

# Resource Summary Report

Generated by [ASWG](#) on Aug 3, 2026

## [phyloseq](#)

RRID:SCR\_013080

Type: Tool

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### Proper Citation

phyloseq (RRID:SCR\_013080)

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### Resource Information

**URL:** <http://www.bioconductor.org/packages/2.12/bioc/html/phyloseq.html>

**Proper Citation:** phyloseq (RRID:SCR\_013080)

**Description:** Software for handling and analysis of high-throughput microbiome census data.

**Abbreviations:** phyloseq

**Resource Type:** software resource

**Defining Citation:** [DOI:10.1371/journal.pone.0061217](https://doi.org/10.1371/journal.pone.0061217)

**Keywords:** bio.tools

**Resource Name:** phyloseq

**Resource ID:** SCR\_013080

**Alternate IDs:** OMICS\_01520, biotools:phyloseq

**Alternate URLs:** <https://bio.tools/phyloseq>, <https://sources.debian.org/src/r-bioc-phyloseq/>

**Record Creation Time:** 20220129T080314+0000

**Record Last Update:** 20260801T190445+0000

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### Ratings and Alerts

No rating or validation information has been found for phyloseq.

No alerts have been found for phyloseq.

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### Data and Source Information

## Usage and Citation Metrics

We found 2774 mentions in open access literature.

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

Parween S, et al. (2026) Host genome and bacterial taxa shape the Arabidopsis seed microbiome. EMBO reports, 27(1), 122.

Alvarenga L, et al. (2026) Impact of Curcuma longa L. extract supplementation on the gut microbiota of hemodialysis patients. Jornal brasileiro de nefrologia, 48(1), e20250032.

Hautefeuille S, et al. (2026) Free-range versus conventional: A comparison of microbial composition and Campylobacter contamination in broiler carcasses after chilling. Poultry science, 105(1), 106111.

Ye H, et al. (2026) Associations between gut microbiota and personality traits: insights from a captive common marmoset (Callithrix jacchus) colony. Microbiology spectrum, 14(1), e0044325.

Seo J, et al. (2026) Standardizing vaginal microbial profiling: evaluating swab materials, storage conditions, and host DNA depletion strategies. BMC microbiology, 26(1), 2.

Steinsdottir HGR, et al. (2026) Microbial dynamics in coral reef waters: Diel cycles in contrasting seasons. Science advances, 12(1), eady9534.

Jansseune SCG, et al. (2026) A lactobacilli-based probiotic but not its postbiotic reduces intestinal inflammatory pathways expression in broilers fed a non-starch polysaccharide rich challenge diet. Poultry science, 105(1), 106159.

Maruyama D, et al. (2026) Gut microbiome-derived propionate reprograms alveolar macrophages metabolically and regulates lung injury responses in mice. Gut microbes, 18(1), 2606486.

Wyatt NJ, et al. (2025) Evaluation of intestinal biopsy tissue preservation methods to facilitate large-scale mucosal microbiota research. EBioMedicine, 112, 105550.

Menozzi E, et al. (2025) Exploring the relationship between GBA1 host genotype and gut microbiome in the GBA1 L444P/WT mouse model: implications for Parkinson's disease pathogenesis. Frontiers in neuroscience, 19, 1546203.

Munyoki SK, et al. (2025) The microbiota extends the reproductive lifespan of mice by safeguarding the ovarian reserve. Cell host & microbe.

Lu Y, et al. (2025) Intrahepatic Microbial Heterogeneity in Multifocal Hepatocellular Carcinoma and Its Association with Host Genomic and Transcriptomic Alterations. Cancer discovery, 15(8), 1630.

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

Santiago-Borges JM, et al. (2025) Uropathogenic *Escherichia coli* niche occupancy determines the effects of mucosal vaccine against FimH. *Cell reports*, 44(8), 116077.

von Ameln Lovison O, et al. (2025) Unveiling the role of the upper respiratory tract microbiome in susceptibility and severity to COVID-19. *Frontiers in cellular and infection microbiology*, 15, 1531084.

Hou S, et al. (2025) Unveiling early-life microbial colonization profile through characterizing low-biomass maternal-infant microbiomes by 2bRAD-M. *Frontiers in microbiology*, 16, 1521108.

Krueger ME, et al. (2025) Comparative analysis of Parkinson's and inflammatory bowel disease gut microbiomes reveals shared butyrate-producing bacteria depletion. *NPJ Parkinson's disease*, 11(1), 50.

Kennedy KM, et al. (2025) Delivery mode, birth order, and sex impact neonatal microbial colonization. *Gut microbes*, 17(1), 2491667.

Assentato L, et al. (2025) The type of environment has a greater impact on the larval microbiota of *Anopheles arabiensis* than on the microbiota of their breeding water. *FEMS microbiology ecology*, 101(1).

Lehr K, et al. (2025) Comparison of different microbiome analysis pipelines to validate their reproducibility of gastric mucosal microbiome composition. *mSystems*, 10(2), e0135824.