

Resource Summary Report

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DADA2

RRID:SCR_023519

Type: Tool

Proper Citation

DADA2 (RRID:SCR_023519)

Resource Information

URL: <https://benjjneb.github.io/dada2/>

Proper Citation: DADA2 (RRID:SCR_023519)

Description: Open source software R package for modeling and correcting Illumina sequenced amplicon errors. Fast and accurate sample inference from amplicon data with single nucleotide resolution.

Resource Type: software toolkit, software resource

Defining Citation: [PMID:27214047](#)

Keywords: modeling and correcting amplicon errors, Illumina sequenced amplicon errors, amplicon errors, sample inference, amplicon data, single nucleotide resolution

Funding: NSF ;
NIAID R01AI112401;
Samarth Foundation

Availability: Free, Available for download, Freely available

Resource Name: DADA2

Resource ID: SCR_023519

Alternate URLs: <https://bioconductor.org/packages/dada2/>

License: LGPL v2

Record Creation Time: 20230502T050211+0000

Record Last Update: 20260729T044555+0000

Ratings and Alerts

No rating or validation information has been found for DADA2.

No alerts have been found for DADA2.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 960 mentions in open access literature.

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

Hong S, et al. (2026) Clinical efficacy and multi-omics analysis of Si-Ni-San for depression treatment in breast cancer patients: a randomized, double-blind, placebo-controlled, crossover trial. *Chinese medicine*, 21(1), 9.

Taheri S, et al. (2026) The role of flour type and feeding schedule on the sourdough microbiome. *Microbiology spectrum*, 14(1), e0238025.

Yu Y, et al. (2026) *Perilla frutescens* seeds enhance lamb immunity and antioxidant capacity via the microbiota-gut-liver-muscle axis. *Journal of animal science and biotechnology*, 17(1), 1.

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.

Harris A, et al. (2026) Canopy reflectance as a predictor of soil microbial community composition and diversity at a continental scale. *The New phytologist*, 249(2), 829.

Jimusi , et al. (2026) L-theanine's therapeutic effects on colorectal cancer: Mechanistic insights from a 1,2-dimethylhydrazine-induced rat model. *Translational oncology*, 63, 102609.

Lemonnier C, et al. (2026) Comparison of Metabarcoding and Shotgun Sequencing Confirms the Relevance of Chloroplastic rRNA Genes to Assess Community Structure of Lake Phytoplankton. *Molecular ecology resources*, 26(1), e70077.

Jin S, et al. (2025) Disruption of the transsulfuration pathway by acute kidney injury causes intestinal damage. *iScience*, 28(10), 113511.

Abdill RJ, et al. (2025) Integration of 168,000 samples reveals global patterns of the human gut microbiome. *Cell*, 188(4), 1100.

Yang Z, et al. (2025) *Veillonella* intestinal colonization promotes *C. difficile* infection in Crohn's disease. *Cell host & microbe*, 33(9), 1518.

Bethune E, et al. (2025) Harnessing cosmic carbon: anaerobic microbial responses to fullerenes under early Earth conditions. *Frontiers in microbiology*, 16, 1511842.

Ramalho Guerra R, et al. (2025) Microbial diversity and composition in the gut microbiome of patients during systemic inflammatory response syndrome: can we use gut bacteria as potential biomarkers to characterize sepsis? *Frontiers in cellular and infection microbiology*, 15, 1622866.

Zhang X, et al. (2025) Common mycorrhizal networks facilitate plant disease resistance by altering rhizosphere microbiome assembly. *Cell host & microbe*.

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

Xu CCY, et al. (2025) Pre-exposure to stress reduces loss of community and genetic diversity following severe environmental disturbance. *Current biology : CB*, 35(5), 1061.

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

Abukhiran IM, et al. (2025) Mucosal Microbiome Markers of Complete Pathologic Response to Neoadjuvant Therapy in Rectal Carcinoma. *Cancer research communications*, 5(5), 756.

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.

Wang S, et al. (2025) Deterministic succession patterns in the rumen and fecal microbiome associate with host metabolic shifts in peripartum dairy cattle. *GigaScience*, 14.

Woestmann F, et al. (2025) The Gut Microbiome in Autosomal Dominant Polycystic Kidney Disease: A Cross-Sectional Study. *Kidney360*, 6(11), 1906.