

Resource Summary Report

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Ribosomal Database Project

RRID:SCR_006633

Type: Tool

Proper Citation

Ribosomal Database Project (RRID:SCR_006633)

Resource Information

URL: <http://rdp.cme.msu.edu>

Proper Citation: Ribosomal Database Project (RRID:SCR_006633)

Description: A database which provides ribosome related data services to the scientific community, including online data analysis, rRNA derived phylogenetic trees, and aligned and annotated rRNA sequences. It specifically contains information on quality-controlled, aligned and annotated bacterial and archaean 16S rRNA sequences, fungal 28S rRNA sequences, and a suite of analysis tools for the scientific community. Most of the RDP tools are now available as open source packages for users to incorporate in their local workflow.

Abbreviations: RDP

Synonyms: Ribosomal Database Project

Resource Type: data or information resource, database, resource

Defining Citation: [PMID:24288368](https://pubmed.ncbi.nlm.nih.gov/24288368/), [PMID:17586664](https://pubmed.ncbi.nlm.nih.gov/17586664/)

Keywords: microbiome, database, rna gene sequence, rna, ribosome, genome browser, high-throughput sequencing, bacteria, archaea, fungi, FASEB list

Funding: DOE DE-FG02-99ER62848;
DOE DE-SC0004601;
DOE DE-FC02-07ER64494;
NIEHS P42 ES004911;
NSF DBI-0328255;
USDA 2008-35107-04542;
NHLBI U01HL098961;
NIDDK UH3 DK083993

Availability: Open source

Resource Name: Ribosomal Database Project

Resource ID: SCR_006633

Alternate IDs: nif-0000-03404, OMICS_01513

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Record Creation Time: 20220129T080237+0000

Record Last Update: 20250411T055126+0000

Ratings and Alerts

No rating or validation information has been found for Ribosomal Database Project .

No alerts have been found for Ribosomal Database Project .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1372 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Zhou X, et al. (2025) Dietary Fiber-Rich *Spartina anglica* Improves Intestinal Health and Antioxidant Capacity of Zhedong White Geese. *Antioxidants* (Basel, Switzerland), 14(1).

Chen L, et al. (2025) Gut bacteria Prevotellaceae related lithocholic acid metabolism promotes colonic inflammation. *Journal of translational medicine*, 23(1), 55.

Tian T, et al. (2025) Pepper root exudate alleviates cucumber root-knot nematode infection

by recruiting a rhizobacterium. *Plant communications*, 6(1), 101139.

Paredes Contreras BV, et al. (2025) Enhanced UV-B photoprotection activity of carotenoids from the novel *Arthrobacter* sp. strain LAPM80 isolated from King George Island, Antarctica. *Heliyon*, 11(1), e41400.

Shama S, et al. (2024) Mother's milk microbiota is associated with the developing gut microbial consortia in very-low-birth-weight infants. *Cell reports. Medicine*, 5(9), 101729.

Li X, et al. (2024) Anatomical, chemical and endophytic fungal diversity of a Qi-Nan clone of *Aquilaria sinensis* (Lour.) Spreng with different induction times. *Frontiers in plant science*, 15, 1320226.

Nie Q, et al. (2024) Glucomannan promotes *Bacteroides ovatus* to improve intestinal barrier function and ameliorate insulin resistance. *iMeta*, 3(1), e163.

Wei D, et al. (2024) *Pseudomonas chlororaphis* IRHB3 assembles beneficial microbes and activates JA-mediated resistance to promote nutrient utilization and inhibit pathogen attack. *Frontiers in microbiology*, 15, 1328863.

Wu D, et al. (2024) Modulating Gastrointestinal Microbiota in Preweaning Dairy Calves: Dose-Dependent Effects of Milk-Based Sodium Butyrate Supplementation. *Microorganisms*, 12(2).

Han Q, et al. (2024) Quality traits drive the enrichment of *Massilia* in the rhizosphere to improve soybean oil content. *Microbiome*, 12(1), 224.

Wang X, et al. (2024) Sodium oligomannate disrupts the adherence of Ribhigh bacteria to gut epithelia to block SAA-triggered Th1 inflammation in 5XFAD transgenic mice. *Cell discovery*, 10(1), 115.

Liu M, et al. (2024) Insights into the airborne microorganisms in a Sichuan south-road dark tea pile fermentation plant during production. *Frontiers in microbiology*, 15, 1439133.

Sun X, et al. (2024) Probiotic *Bacillus pumilus* LV149 enhances gut repair, modulates microbiota, and alters transcriptome in DSS-induced colitis mice. *Frontiers in microbiology*, 15, 1507979.

Hao J, et al. (2024) Double Advantages of Nutrients and Biostimulants Derived from Sewage Sludge by Alkaline Thermal Hydrolysis Process for Agricultural Use: Quality Promotion of Soil and Crop. *Advanced science (Weinheim, Baden-Wurtemberg, Germany)*, 11(13), e2307793.

He Y, et al. (2024) Clinical Efficacy and Gut Microbiota Regulating-Related Effect of Si-Jun-Zi Decoction in Postoperative Non-Small Cell Lung Cancer Patients: A Prospective Observational Study. *Integrative cancer therapies*, 23, 15347354241237973.

Haytham H, et al. (2024) Probiotic consortium modulating the gut microbiota composition and function of sterile Mediterranean fruit flies. *Scientific reports*, 14(1), 1058.

Hu T, et al. (2024) Maternal probiotic mixture supplementation optimizes the gut microbiota structure of offspring piglets through the gut-breast axis. *Animal nutrition (Zhongguo xu mu shou yi xue hui)*, 19, 386.

Xu X, et al. (2024) *Protorhabditis* nematodes and pathogen-antagonistic bacteria interactively promote plant health. *Microbiome*, 12(1), 221.

Zhu Y, et al. (2024) Adipose Tissue-Resident *Sphingomonas Paucimobilis* Suppresses Adaptive Thermogenesis by Reducing 15-HETE Production and Inhibiting AMPK Pathway. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(47), e2310236.

Zhang J, et al. (2024) Toxicological Analysis of Acetamiprid Degradation by the Dominant Strain Md2 and Its Effect on the Soil Microbial Community. *Toxics*, 12(8).