Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

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, PMID:17586664

Keywords: microbiome, database, rrna gene sequence, rrna, 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: r3d100012372, nif-0000-03404, OMICS_01513

Alternate URLs: https://doi.org/10.17616/R3C087

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260912T195642+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 1724 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Shah UA, et al. (2026) A High-Fiber, Plant-Based Diet in Myeloma Precursor Disorders: Results from the NUTRIVENTION Clinical Trial and Preclinical Vk*MYC Model. Cancer discovery, 16(4), 697.

Li X, et al. (2026) Effects of sprayed corn bran on production performance and intestinal function of growing stage magang geese. Poultry science, 105(6), 106766.

Wang H, et al. (2026) Pooled feces reduce the inter-sample variation of microbiota in pig models. BMC microbiology, 26(1).

Gao L, et al. (2026) Co-occurrence network analysis reveals novel associations between the neonatal airway microbiome and bronchopulmonary dysplasia risk: an observational, population-based study. mSphere, 11(2), e0085725.

Fang L, et al. (2026) Alterations of the Gut Microbiome in Psoriasis before and after Treated with Secukinumab. Indian journal of dermatology, 71(1), 36.

Liu RZ, et al. (2026) From the 3rd to the 7th year after straw return, different straw-returning practices drive shifts in soil fungal community composition, functional differentiation, and the reconfiguration of community assembly processes. Frontiers in microbiology, 17, 1808010.

Chu D, et al. (2026) Diet-Driven Divergence in Gut Microbiota Variation Between Two Sympatric Gerbil Species. Ecology and evolution, 16(4), e73367.

Li C, et al. (2026) Altered rumen bacterial flora is associated with increased lipogenesis of adipose tissue in obese dairy cows before calving. Microbiome, 14(1), 66.

Du B, et al. (2026) Fuc-S, a New Degraded Polysaccharide From Fucoidan, Alleviates Type 2 Diabetes-Associated Liver Injury Through Modulating Gut Microbiota. Food science & nutrition, 14(1), e71321.

Lee YI, et al. (2026) Mycorrhizal specificity of fully mycoheterotrophic Yoania in Taiwan and China and novel natural abundance stable isotope patterns. Plant biology (Stuttgart, Germany), 28(4), 1159.

Tang Q, et al. (2026) Effects of dietary rumen-degradable protein on growth performance, nitrogen metabolism, and rumen microbiome in dairy buffalo heifers. Frontiers in veterinary science, 13, 1806578.

Ma Y, et al. (2026) Lactobacillus rhamnosus and Xylo-oligosaccharides improve meat quality and modulate the microbiota composition of Magang geese aged 22-50 days. Poultry science, 105(1), 106090.

Psarrakis C, et al. (2026) A randomized controlled trial of precision bezlotoxumab treatment for Clostridioides difficile infection. Cell reports. Medicine, 102533.

Petrosyan K, et al. (2026) Seed endophytic bacteria are involved in metal adaptation of Orobanche lutea: community dynamics and plant growth promotion traits. BMC plant biology, 26(1).

Cai W, et al. (2026) Mechanism Study on the Regulation of Intestinal Microecology by Hangover Liver-Protecting Beverage for the Treatment of Alcoholic Liver Disease. Food science & nutrition, 14(1), e71435.

Wu H, et al. (2026) Flos sophorae immaturus exosome-like nanovesicles alleviate ulcerative colitis by attenuating intestinal oxidative stress and inflammation through activating Aryl hydrocarbon receptor via gut microbiota and tryptophan metabolism regulation. Journal of nanobiotechnology, 24(1), 132.

Yang G, et al. (2026) Role and mechanisms of moisture regulation in enhancing alfalfa silage quality. BMC plant biology, 26(1).

Wang X, et al. (2026) Polyphenolic nanodot-integrated spindle nanoplatform heals oral mucositis via microbiota restoration and glycolysis inhibition. Journal of nanobiotechnology, 24(1).

de Medeiros Azevedo T, et al. (2026) Unlocking the microbiome of an extremophile plant: metagenomic insights into Calotropis procera's endo-rhizosphere communities. World journal of microbiology & biotechnology, 42(4).

Wang W, et al. (2026) Elevated postoperative IL-1?? induces disorder of intestinal microenvironment and alteration of gut microbiota. Frontiers in microbiology, 17, 1744636.