Resource Summary Report

Generated by nidm-terms on Jul 28, 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

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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: resource, database, data or information 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: 20260728T043236+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 1441 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

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.

Chen Y, et al. (2025) Effects of a Novel Magnetic Nanomaterial on Oral Biofilms. International dental journal, 75(2), 1203.

Wang P, et al. (2025) Effects of modified corn straw supplementation on laying performance, egg quality, immune response, antioxidant capacity, lipid metabolism and intestinal microbiota of post-peak laying hens. Poultry science, 104(10), 105579.

Liu S, et al. (2025) Early Response of Rhizosphere Microbial Community Network Characteristics to Thinning Intensity in Pinus massoniana Plantations. Microorganisms, 13(6).

Dong Y, et al. (2025) Modulation of the gut-bone axis: Lacticaseibacillus paracasei LC86 improves bone health via anti-inflammatory metabolic pathways in zebrafish models of osteoporosis and cartilage damage. Frontiers in immunology, 16, 1493560.

Huang P, et al. (2025) Causal relationship between gut microbiota and pneumonia: a Mendelian randomization and retrospective case-control study. BMC pulmonary medicine,

25(1), 449.

Wang W, et al. (2025) Populus simonii × Populus nigra overexpressing PsnWRKY70 recruits phyllosphere bacterial strains that inhibit Alternaria alternata. mSystems, 10(9), e0176524.

Pang S, et al. (2025) Tongue coating microbial communities vary in children with Henoch-Schönlein purpura. Scientific reports, 15(1), 5466.

Xu X, et al. (2025) Interactions Between Bacterivorous Nematodes and Bacteria Reduce N2O Emissions. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(12), e2413227.

Yang L, et al. (2025) Limosilactobacillus reuteri prevents progression of ankylosing spondylitis in mice by restoring gut microbiota-metabolism homeostasis. Journal of translational medicine, 23(1), 715.

Tong A, et al. (2025) Comparative analysis of actinorhizal nodule and associated soil microorganism diversity and structure in three Alnus species. Frontiers in plant science, 16, 1572494.

Li Y, et al. (2025) Organic pollutant-induced long-distance ROS signaling drives plant systemic acquired acclimation via rhizomicrobiota. Nature communications, 16(1), 9077.

Liu Y, et al. (2025) Effects of fiber sources with different solubilities on the growth performance, nutrient metabolism, antioxidant, immune capacity and intestinal health of meat geese. Animal microbiome, 7(1), 118.

Xie H, et al. (2025) XGBoost-based urinary microbial signatures enable non-invasive diagnosis and prognosis for urothelial carcinoma. BMC microbiology, 25(1), 732.

Xiang F, et al. (2025) Dietary supplementation with Bacillus-based probiotic improves gut health in the weaned piglets challenged by rotavirus. Journal of animal science and biotechnology, 16(1), 161.

Liu Z, et al. (2025) Effects of feeding different baits on the growth of Scylla paramamosain megalopa and the bacterial community in a mariculture system. Scientific reports, 15(1), 43895.

Siebielec S, et al. (2025) Plant growth promotion mechanisms of bacteria isolated from a long-term reclaimed smelter waste deposit. Scientific reports, 15(1), 38040.

Toledo-Alarcón J, et al. (2025) Groundwater denitrification using electro-assisted autotrophic processes: exploring bacterial community dynamics in a single-chamber reactor. Frontiers in bioengineering and biotechnology, 13, 1475589.

An X, et al. (2025) Microbial diversity characteristics and differential analysis in green turtle nests in the Xisha Islands, South China Sea. Applied and environmental microbiology, 91(8), e0052725.

Xie Y, et al. (2025) Root exudates and microbial community structure characteristics of mango under soil borne diseases. Frontiers in microbiology, 16, 1627112.