Resource Summary Report

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Greengenes

RRID:SCR_002830
Type: Tool

Proper Citation

Greengenes (RRID:SCR_002830)

Resource Information

URL: http://greengenes.secondgenome.com/downloads

Proper Citation: Greengenes (RRID:SCR_002830)

Description: Database that provides access to the current and comprehensive 16S rRNA gene sequence alignment for browsing, blasting, probing, and downloading. The data and tools can assist the researcher in choosing phylogenetically specific probes, interpreting microarray results, and aligning/annotating novel sequences. The 16S rRNA gene database provides chimera screening, standard alignment, and taxonomic classification using multiple published taxonomies. ARB users can use Greengenes to update local databases., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Resource Type: database, data or information resource

Defining Citation: PMID:16820507

Keywords: microbiome, rrna, 16s rrna, gene, dna, rna, chimera, alignment, taxonomic classification, taxonomy, FASEB list

Funding: Department of Energy contract DE-AC02-05CH11231

Availability: Free, Freely available

Resource Name: Greengenes

Resource ID: SCR_002830

Alternate IDs: OMICS_01512, r3d100010549, nif-0000-02927

Alternate URLs: http://greengenes.lbl.gov, https://doi.org/10.17616/R36C8G

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Record Creation Time: 20220129T080215+0000

Record Last Update: 20260725T191125+0000

Ratings and Alerts

No rating or validation information has been found for Greengenes.

No alerts have been found for Greengenes.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3125 mentions in open access literature.

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

Terzo S, et al. (2026) Positive impact of indicaxanthin from Opuntia ficus-indica fruit on high-fat diet-induced neuronal damage and gut microbiota dysbiosis. Neural regeneration research, 21(1), 324.

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

Dempsey E, et al. (2025) Protective Properties of the White Button Mushroom, Agaricus bisporus, in a Mouse Model of Colitis. Molecular nutrition & food research, e70133.

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.

Hicks C, et al. (2025) Oral, Vaginal, and Stool Microbial Signatures in Patients With Endometriosis as Potential Diagnostic Non-Invasive Biomarkers: A Prospective Cohort Study. BJOG : an international journal of obstetrics and gynaecology, 132(3), 326.

Li Y, et al. (2025) Effects of adding a kind of compound bio-enzyme to the diet on the production performance, serum immunity, and intestinal health of Pekin ducks. Poultry science, 104(1), 104506.

Cheng YC, et al. (2025) Efficacy of supplemental amino acids with Corynebacterium glutamicum cell mass on growth and health of nursery pigs. Journal of animal science, 103.

Zhang X, et al. (2025) Lentinan's effect on gut microbiota and inflammatory cytokines in 5-FU-induced mucositis mice. AMB Express, 15(1), 11.

Kordahi MC, et al. (2025) Mucus-penetrating microbiota drive chronic low-grade intestinal inflammation and metabolic dysregulation. Gut microbes, 17(1), 2455790.

Kashchenko G, et al. (2025) Investigating Aerobic Hive Microflora: Role of Surface Microbiome of Apis Mellifera. Biology, 14(1).

Morita Y, et al. (2025) Impacts of trehalose supplementation on ruminal microbiota and productivity of Japanese Black heifers under heat-stressed conditions. Animal bioscience, 38(7), 1446.

Zhang F, et al. (2025) Different lysine-to-methionine ratios in a low-protein diet affect the microbiome and metabolome, influencing the jejunal barrier function in Tibetan sheep. Frontiers in microbiology, 16, 1441143.

Gong D, et al. (2025) The gastric microbiome altered by A4GNT deficiency in mice. Frontiers in microbiology, 16, 1541800.

Zhao S, et al. (2025) Significant Enrichment of Potential Pathogenic Fungi in Soil Mediated by Flavonoids, Phenolic Acids, and Organic Acids. Journal of fungi (Basel, Switzerland), 11(2).

Yu J, et al. (2025) Integrated microbiome and metabolome analysis reveals altered gut microbial communities and metabolite profiles in dairy cows with subclinical mastitis. BMC microbiology, 25(1), 115.

Lian J, et al. (2025) Both light and soil moisture affect the rhizosphere microecology in two oak species. Frontiers in microbiology, 16, 1506558.

Altun M, et al. (2025) Modulation of Gut Microbiota Using VSL#3 and Its Impact on Aortic Parameters in a Rat Model. Anatolian journal of cardiology, 29(6), 282.

Xie M, et al. (2025) The influence of Lactobacillus johnsonii on tumor growth and lymph node metastasis in papillary thyroid carcinoma. Communications biology, 8(1), 419.

Park J, et al. (2025) Self-disassembling nanoparticles as oral nanotherapeutics targeting intestinal microenvironment. Nature communications, 16(1), 3365.

Wang Z, et al. (2025) Characterization of gut microbiota and metabolites in renal transplant recipients during COVID-19 and prediction of one-year allograft function. Journal of translational medicine, 23(1), 420.