**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.

**Resource Type:** data or information resource, database

**Defining Citation:** PMID:16820507

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

**Funding Agency:** Department of Energy

**Availability:** Open source

**Resource Name:** Greengenes

**Resource ID:** SCR_002830

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

**Alternate URLs:** http://greengenes.lbl.gov
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 2330 mentions in open access literature.

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


Rungratanawanich W, et al. (2023) ALDH2 deficiency increases susceptibility to binge alcohol-induced gut leakiness, endotoxemia, and acute liver injury in mice through the gut-liver axis. Redox biology, 59, 102577.


Fan Y, et al. (2023) Caloric restriction remodels the hepatic chromatin landscape and bile acid metabolism by modulating the gut microbiota. Genome biology, 24(1), 98.


Forssten SD, et al. (2023) An in vitro model of the chicken gastrointestinal tract with special...
emphasis to the cecal microbiota. Poultry science, 102(6), 102654.


Guo Y, et al. (2023) Photodynamic therapy treats acne by altering the composition of the skin microbiota. Skin research and technology : official journal of International Society for Bioengineering and the Skin (ISBS) [and] International Society for Digital Imaging of Skin (ISDIS) [and] International Society for Skin Imaging (ISSI), 29(1), e13269.

Mueller MG, et al. (2023) Characterization of the GU microbiome in women with self-perceived bladder health over the life course. Neurourology and urodynamics, 42(1), 133.


Hiergeist A, et al. (2023) Reliability of species detection in 16S microbiome analysis: Comparison of five widely used pipelines and recommendations for a more standardized approach. PloS one, 18(2), e0280870.

