Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Jun 29, 2024

SILVA

RRID:SCR_006423
Type: Tool

Proper Citation

SILVA (RRID:SCR_006423)

Resource Information

URL: http://www.arb-silva.de

Proper Citation: SILVA (RRID:SCR_006423)

Description: High quality ribosomal RNA databases providing comprehensive, quality checked and regularly updated datasets of aligned small (16S/18S, SSU) and large subunit (23S/28S, LSU) ribosomal RNA (rRNA) sequences for all three domains of life (Bacteria, Archaea and Eukarya). Supplementary services include a rRNA gene aligner, online tools for probe and primer evaluation and optimized browsing, searching and downloading on the website. The extensively curated SILVA taxonomy and the new non-redundant SILVA datasets provide an ideal reference for high-throughput classification of data from next-generation sequencing approaches. Alignment tool, SINA, is available for download as well as available for use online.

Synonyms: SILVA rRNA database, SILVA - high quality ribosomal RNA databases

Resource Type: data or information resource, database

Defining Citation: PMID:23193283, PMID:24293649, PMID:17947321

Keywords: ribosomal rna, gene sequence, gene, sequence, alignment, taxonomy, 16s, 18s, 23s, 28s, phylogeny, probe, primer, alignment service, fish, arb, ribocon, geoblast, bio.tools

Funding Agency: Max Planck Society, DFG

Availability: Free, Freely available

Resource Name: SILVA

Resource ID: SCR_006423

Alternate IDs: biotools:silva, OMICS_01514, nif-0000-03464, rid_000103

Alternate URLs: https://bio.tools/silva

Record Creation Time: 20220129T080236+0000

Record Last Update: 20240625T053456+0000

Ratings and Alerts

No rating or validation information has been found for SILVA.

No alerts have been found for SILVA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8534 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Song P, et al. (2024) Gut microbiota non-convergence and adaptations in sympatric Tibetan and Przewalski's gazelles. iScience, 27(3), 109117.

Rodríguez-García A, et al. (2024) Short-Chain Fatty Acid Production by Gut Microbiota Predicts Treatment Response in Multiple Myeloma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(4), 904.

Dallas JW, et al. (2024) Cross-species gut microbiota transplantation predictably affects host heat tolerance. The Journal of experimental biology, 227(1).

Du Z, et al. (2024) Microbial network and fermentation modulation of Napier grass and sugarcane top silage in southern Africa. Microbiology spectrum, 12(1), e0303223.

Peng N, et al. (2024) A soil fumigant increases American ginseng (Panax quinquefolius L.) survival and growth under continuous cropping by affecting soil microbiome assembly: a 4-year in situ field experiment. Microbiology spectrum, 12(1), e0175723.

Ogola HJO, et al. (2024) High-throughput amplicon sequencing datasets of microbial community in soils irrigated by quicklime and fly ash-treated acid mine drainage water. Data in brief, 52, 109849.

Qiu S, et al. (2024) The Effects of Composite Alkali-Stored Spent Hypsizygus marmoreus Substrate on Carcass Quality, Rumen Fermentation, and Rumen Microbial Diversity in Goats. Animals : an open access journal from MDPI, 14(1).

Xu M, et al. (2024) Microbiome analysis reveals the intestinal microbiota characteristics and potential impact of Procambarus clarkii. Applied microbiology and biotechnology, 108(1), 77.

Bandla A, et al. (2024) Elevated methane flux in a tropical peatland post-fire is linked to depth-dependent changes in peat microbiome assembly. NPJ biofilms and microbiomes, 10(1), 8.

Wong NST, et al. (2024) Characterization of the hoof bacterial communities in feedlot cattle affected with digital dermatitis, foot rot or both using a surface swab technique. Animal microbiome, 6(1), 2.

Chen Q, et al. (2024) Salmonella-induced microbiome profile in response to sanitation by quaternary ammonium chloride. Microbiology spectrum, 12(2), e0234623.

Qiao Y, et al. (2024) Gut microbiota composition may be an indicator of erectile dysfunction. Microbial biotechnology, 17(1), e14403.

Wu PH, et al. (2024) Exploring the Relationship between Gut Microbiome Composition and Blood Indole-3-acetic Acid in Hemodialysis Patients. Biomedicines, 12(1).

Jacob J, et al. (2024) Possibly pathogenic bacteria in aerosols and foams as a result of aeration remediation in a polluted urban waterway. Folia microbiologica, 69(1), 235.

Magossi G, et al. (2024) A single intranasal dose of essential oil spray confers modulation of the nasopharyngeal microbiota and short-term inhibition of Mannheimia in feedlot cattle: a pilot study. Scientific reports, 14(1), 823.

Rineau F, et al. (2024) Limited effects of crop foliar Si fertilization on a marginal soil under a future climate scenario. Heliyon, 10(1), e23882.

Tapilatu Y, et al. (2024) A first report on prokaryotic diversity in northwestern Arafura deep-sea sediments, Indonesia. Scientific reports, 14(1), 895.

Wang Q, et al. (2024) Insight into bacterial and archaeal community structure of Suaeda altissima and Suaeda dendroides rhizosphere in response to different salinity level. Microbiology spectrum, 12(1), e0164923.

Chen YF, et al. (2024) Role of microbiota in radiation-induced small-bowel damage. Journal of radiation research, 65(1), 55.

Delaroque C, et al. (2024) Dietary emulsifier consumption accelerates type 1 diabetes

development in NOD mice. NPJ biofilms and microbiomes, 10(1), 1.