

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 17, 2026

SINA

RRID:SCR_005067

Type: Tool

Proper Citation

SINA (RRID:SCR_005067)

Resource Information

URL: <http://www.arb-silva.de/aligner/>

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Description: Service to align and optionally taxonomically classify your rRNA gene sequences. The results can be combined with any other sequences aligned by SINA or taken from the SILVA databases by concatenation of FASTA files or using the ARB MERGE tool. Note: Submission is currently limited to at most 1000 sequences of at most 6000 bases each. If your requirements exceed this limitation, get Opens internal link in current windowSINA for local installation.

Abbreviations: SINA

Synonyms: SINA Alignment Service, SILVA Incremental Aligner

Resource Type: analysis service resource, data analysis service, production service resource, service resource, software resource

Defining Citation: [PMID:22556368](#)

Keywords: alignment, taxonomic classification, rrna, gene sequence, fasta, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: SINA

Resource ID: SCR_005067

Alternate IDs: OMICS_01438, biotools:sina

Alternate URLs: <https://bio.tools/sina>, <https://sources.debian.org/src/sina/>, <https://github.com/epruesse/SINA>

Record Creation Time: 20220129T080228+0000

Ratings and Alerts

No rating or validation information has been found for SINA.

No alerts have been found for SINA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 387 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Mahnert A, et al. (2026) Cultivation and molecular profiling reveal ammonia-oxidizing archaea as skin commensals. The ISME journal, 20(1).

Martinek A, et al. (2026) Obesity Impairs Skin Barrier Function and Facilitates Allergic Sensitization in Mice. Allergy, 81(2), 498.

Mölzer A, et al. (2026) Comparison of Bacterial Adhesion on Two Different Suture Materials After Tooth Extraction in Women Receiving Antiresorptive Therapy: An Exploratory Clinical Study with Prospective Data Collection. Journal of clinical medicine, 15(7).

Bullich-Vilarrubias C, et al. (2026) Phascolarctobacterium faecium reduces food intake via PYY signaling, contributing to the mitigation of body weight gain in diet-induced obese mice. Gut microbes, 18(1), 2617691.

Morrison AG, et al. (2026) An enhanced domestication method for uncultured bacteria. ISME communications, 6(1), ycag062.

Das A, et al. (2026) Synthesis of and characterization of differentially sulfated disaccharide repeating units of keratan sulfate. Glycoscience & therapy, 2(1).

Shaw SC, et al. (2026) Type I interferon signaling in hematopoietic cells impairs neutrophil antibacterial function in the middle ear during viral co-infection. Cell reports. Medicine, 7(6), 102846.

Vollmers J, et al. (2026) Cultivation-independent high-quality microbial genome reconstruction from environmental samples with midi-metagenomics. Genome research, 36(7), 1493.

Garvey K, et al. (2026) Minimally invasive capsule-string device enables spatially resolved microbiome profiling across the upper gastrointestinal tract. Gut microbes, 18(1), 2675764.

Treitli SC, et al. (2026) Metabolic capacities of large "pillotinae" spirochetes from termite guts and their placement among ?Brevitellaceae. BMC biology, 24(1).

Paul LS, et al. (2026) A culturomics approach reveals cross-feeding capacity of intestinal pig bacteria upon release of inositol from phytate. Microbiome, 14(1), 44.

Vojtkuf I, et al. (2026) Seasonal Dynamics of Freshwater Bacterial Communities in Continental and Mediterranean Lakes. Microbial ecology, 89(1).

Hageman RL, et al. (2026) Widespread deep-sea microorganisms in subseafloor geochemical cycling. Frontiers in microbiology, 17, 1790163.

Park J, et al. (2025) An experimental test of the influence of microbial manipulation on sugar kelp (*Saccharina latissima*) supports the core influences host function hypothesis. Applied and environmental microbiology, 91(6), e0030125.

Böswald LF, et al. (2025) Fibre supplementation alters the gastrointestinal microbiome, the microbial metabolites and indicators of neurodegeneration in a mouse model of Alzheimer's disease. Scientific reports, 15(1), 32705.

Farrell AA, et al. (2025) Bacterial Growth Temperature as a Horizontally Acquired Polygenic Trait. Genome biology and evolution, 17(1).

Wolf S, et al. (2025) Microbial carbon oxidation in seawater below the hypoxic threshold. Scientific reports, 15(1), 2838.

Intze E, et al. (2025) The infant microbiota hopscotches between community states toward maturation-longitudinal stool parameters and microbiota development in a cohort of European toddlers. ISME communications, 5(1), ycaf016.

Crull S, et al. (2025) Seasonal Host Shifts for *Legionella* Within an Industrial Water-Cooling System. Environmental microbiology reports, 17(4), e70132.

Miralles-Lorenzo J, et al. (2025) Environmental Gradients and Conservation Status Determine the Structure and Carbon-Related Metabolic Potential of the Prokaryotic Communities of Mediterranean Inland Saline Shallow Lakes. Ecology and evolution, 15(5), e71286.