

Resource Summary Report

Generated by PRECISE-TBI on Sep 7, 2026

VSEARCH

RRID:SCR_024494

Type: Tool

Proper Citation

VSEARCH (RRID:SCR_024494)

Resource Information

URL: <https://github.com/torognes/vsearch>

Proper Citation: VSEARCH (RRID:SCR_024494)

Description: Software versatile open source tool for metagenomics. Used for processing and preparing metagenomics, genomics and population genomics nucleotide sequence data.

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [PMID:27781170](https://pubmed.ncbi.nlm.nih.gov/27781170/)

Keywords: processing and preparing metagenomics, genomics and population genomics, nucleotide sequence data,

Availability: Free, Available for download, Freely available

Resource Name: VSEARCH

Resource ID: SCR_024494

Record Creation Time: 20231002T161336+0000

Record Last Update: 20260905T133031+0000

Ratings and Alerts

No rating or validation information has been found for VSEARCH.

No alerts have been found for VSEARCH.

Data and Source Information

Usage and Citation Metrics

We found 1553 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Huang W, et al. (2026) Core gastric microbiota linked to pathogenesis and preserved across age-stratified cohorts. *Cell reports. Medicine*, 7(7), 102905.

Deng S, et al. (2026) Repurposing of the Macrolide Antibiotic Clarithromycin for the Prevention of Lung Cancer. *Molecular cancer therapeutics*, 25(2), 283.

New JS, et al. (2026) Human anti-glycan reactivity emerges from B cells utilizing private gene rearrangements that are affinity matured in germinal centers. *Immunity*, 59(3), 651.

Lobel L, et al. (2026) Dietary sulfur amino acids enhance anti-tumor immunity in colon cancer via an NKT cell-XCL1-cDC1 circuit. *Immunity*, 59(6), 1708.

Kong JY, et al. (2026) Cross-site oral and esophageal microbiome signatures define diagnostic patterns and reveal mechanistic drivers of ESCC. *iScience*, 29(8), 116667.

Richardson RT, et al. (2026) Sensitive Environmental DNA Methods for Low-Risk Surveillance of At-Risk Bumble Bees. *Molecular ecology resources*, 26(1), e70073.

Brício DG, et al. (2026) Metagenomic and biogenic amine changes in cassava fermentation for tucupi production using *Pediococcus acidilactici* starter culture. *Journal of the science of food and agriculture*, 106(4), 2424.

Hu X, et al. (2026) Multi-omics analysis reveals the critical role of gut microbiota related tryptophan and glutathione metabolism in sepsis-associated encephalopathy. *BMC microbiology*, 26(1).

Wang B, et al. (2026) Mineral substrates as evolutionary drivers of soil microbial diversity through the rare biosphere. *Applied and environmental microbiology*, 92(1), e0201125.

Decker O, et al. (2026) Distance-decay reveals contrasting effects of land-use types on arthropod community homogenisation. *Nature communications*, 17(1), 763.

Pieters J, et al. (2026) Hidden Partners in Diversity: Acidobacteriota and Their Distribution in the Cape Floristic Region. *MicrobiologyOpen*, 15(1), e70192.

Seo J, et al. (2026) Standardizing vaginal microbial profiling: evaluating swab materials, storage conditions, and host DNA depletion strategies. *BMC microbiology*, 26(1), 2.

He J, et al. (2026) *Muribaculum intestinale* alleviates depressive-like behaviors by inhibiting Th17 cell differentiation and M1 microglia polarization. *Microbiome*, 14(1).

Godoy-Lozano EE, et al. (2026) Enrichment hydrocarbon-degrading bacterial communities from the southern Gulf of Mexico in long-term stored sediments.

Biodegradation, 37(2).

Li W, et al. (2026) Tissue-specific assembly of endophytic microbiota in *Agriophyllum squarrosum* (L.) Moq. *BMC microbiology*, 26(1).

Yagi N, et al. (2026) Species identification and genotyping of *Citrobacter* spp. using genes with high nucleotide diversity. *Microbiology spectrum*, 14(6), e0364625.

Motivans Švara E, et al. (2026) Method comparison of microscopy, metabarcoding, and multispectral imaging flow cytometry for identification and relative abundance analysis of insect-dispersed pollen. *Scientific reports*, 16(1).

Wang W, et al. (2026) Intestinal fungal dysbiosis in gestational diabetes mellitus is associated with adverse pregnancy outcomes. *BMC pregnancy and childbirth*, 26(1).

Kato NN, et al. (2026) Microbial Chemical Diversity and Cytotoxic Potential From Brazilian Ferruginous Caves: A Pioneering Metabolomic Survey. *Chemistry & biodiversity*, 23(1), e02912.

Motta EVS, et al. (2026) Divergent microbiome signatures between managed and wild honey bee (*Apis mellifera*) populations in South Texas. *Microbiology spectrum*, 14(3), e0339425.