

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 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 processing software, software application, data analysis software, software resource

Defining Citation: [PMID: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: 20260731T043140+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 1348 mentions in open access literature.

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

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.

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

Qi J, et al. (2026) Integrated genomic and metabolomic analysis reveals the biocontrol potential of endophytic *Bacillus velezensis* NS13 against *Fusarium* species in *Lonicera macranthoides*. *BMC microbiology*, 26(1), 5.

Blanco-Bercial L, et al. (2026) MetaZooGene Intercalibration Experiment (MZG-ICE): Metabarcoding Marine Zooplankton Diversity of the Global Ocean. *Molecular ecology resources*, 26(1), e70090.

Ruiz E, et al. (2026) Benchmarking the Taxonomic Resolution of Fish eDNA Metabarcodes Against COI Barcodes. *Molecular ecology resources*, 26(1), e70069.

Pronozin AY, et al. (2026) Diversity of lncRNAs in the pan-transcriptome of maize inbred lines. *BMC genomics*, 27(1), 1.

Zhang G, et al. (2025) Genomic and transcriptomic analyses of *Heteropoda venatoria* reveal the expansion of P450 family for starvation resistance in spiders. *GigaScience*, 14.

Huffmyer AS, et al. (2025) Shifts and critical periods in coral metabolism reveal energetic vulnerability during development. *Current biology : CB*, 35(12), 2858.

Zhen Q, et al. (2025) Erucic Acid, Derived by *Lactobacillus Crispatus*, Induces Ferroptosis in Cervical Cancer Organoids Through the PPAR- γ Signaling Pathway. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(48), e12599.

Michel M, et al. (2025) Noninvasive Multicancer Detection Using DNA Hypomethylation of LINE-1 Retrotransposons. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(7), 1275.

Kim CW, et al. (2025) Gut dysbiosis from high-salt diet promotes glioma via propionate-mediated TGF- β activation. *The Journal of experimental medicine*, 222(8).

Bard NW, et al. (2025) Teknonaturalist: A Snakemake Pipeline for Assessing Fungal Diversity From Plant Genome Bycatch. *Molecular ecology resources*, 25(3), e14056.

Lei J, et al. (2025) The Gut Microbiota Affects Anti-TNF Responsiveness by Activating the NAD⁺ Salvage Pathway in Ulcerative Colitis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(8), e2413128.

Jiang C, et al. (2025) Two rice cultivars recruit different rhizospheric bacteria to promote aboveground regrowth after mechanical defoliation. *Microbiology spectrum*, 13(1), e0125424.

Tokumaru T, et al. (2025) Effects of sake lees intake on fecal uremic toxins, plasma D-alanine, constipation, and gut microbiome in healthy adults: A single-arm clinical trial. *PloS one*, 20(6), e0325482.

Du M, et al. (2025) Composite Probiotics Improve Gut Health and Enhance Tryptophan Metabolism in Nursery Piglets During Liquid Feeding. *International journal of molecular sciences*, 26(12).

Kiernan DP, et al. (2025) Effect of Maternal Probiotic and Piglet Dietary Tryptophan Level on Performance and Piglet Intestinal Health Parameters Pre-Weaning. *Microorganisms*, 13(6).

Shabangu KP, et al. (2025) Metagenomic Insights into Pollutants in Biorefinery and Dairy Wastewater: rDNA Dominance and Electricity Generation in Double Chamber Microbial Fuel Cells. *Bioengineering* (Basel, Switzerland), 12(1).

Gallo A, et al. (2025) Perturbations in Microbial Communities at Hydrothermal Vents of Panarea Island (Aeolian Islands, Italy). *Biology*, 14(1).