

Resource Summary Report

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

USEARCH

RRID:SCR_027438

Type: Tool

Proper Citation

USEARCH (RRID:SCR_027438)

Resource Information

URL: <http://www.drive5.com>

Proper Citation: USEARCH (RRID:SCR_027438)

Description: Software application that provides search and clustering functionality, typically used with amplicon sequence data. Used to assign sequences to clusters.

Synonyms: USEARCH12

Resource Type: software application, software resource, source code

Defining Citation: [PMID:20709691](#)

Keywords: assign sequences to clusters, search and clustering functionality, amplicon sequence data,

Availability: Free, Available for download, Freely available

Resource Name: USEARCH

Resource ID: SCR_027438

Alternate URLs: <https://github.com/rcedgar/usearch12>

License: GNU GPL-3.0

Record Creation Time: 20250917T060928+0000

Record Last Update: 20260912T200527+0000

Ratings and Alerts

No rating or validation information has been found for USEARCH.

No alerts have been found for USEARCH.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3225 mentions in open access literature.

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

Liu YY, et al. (2026) Assessing whether rectal swabs reflect appendiceal microbiota profiles in acute appendicitis: a 16S rRNA-based comparative study. Gut pathogens, 18(1), 10.

Lei G, et al. (2026) Synthetic microbial communities rescues strawberry from soil-borne disease by enhancing soil functional microbial abundance and multifunctionality. Journal of advanced research, 83, 113.

Bartsch M, et al. (2026) Gut microbiome mediates the association between dietary quality and metabolic risk in a heterogeneous adult population. Nutrition & metabolism, 23(1), 13.

Qiao J, et al. (2026) The Lolal-dpp axis mediates the regulation of host reproduction by gut symbionts in insects. Nature communications, 17(1).

Liu A, et al. (2026) Esketamine alleviates COPD-depression comorbidity in rats via MAPK/NF- κ B inhibition and gut-lung-brain axis modulation. Journal of neuroinflammation, 23(1), 68.

Ou T, et al. (2026) Pseudomonas koreensis HLG18 improves mulberry waterlogging resilience in riparian zone by synergistically modulating endophytic microbiome and metabolic profiles. Microbiology spectrum, 14(3), e0295925.

Li G, et al. (2026) Rhizosphere bacterial characteristics reveal the invasive advantage of Sphagneticola trilobata compared to the greening grass Axonopus compressus. BMC microbiology, 26(1).

Zhao Z, et al. (2026) Fecal metaproteomics reveals alterations in gut microbiota and intestinal proteins in adolescents with bipolar depression. Translational psychiatry, 16(1).

Pan N, et al. (2026) Supplementary filling seedlings in secondary Pinus massoniana forests changed the structure of soil bacterial communities. Scientific reports, 16(1).

Lee YI, et al. (2026) Mycorrhizal specificity of fully mycoheterotrophic Yoania in Taiwan and China and novel natural abundance stable isotope patterns. Plant biology (Stuttgart, Germany), 28(4), 1159.

Muriuki SW, et al. (2026) Long-term farming and cropping systems with contrasting nitrogen forms and input diversity influence soil prokaryotic diversity in the central highlands of Kenya. PloS one, 21(3), e0344418.

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).

Sánchez-Osuna M, et al. (2026) Single point mutations in global regulatory genes restore cephalosporin resistance in a low-MIC *Enterococcus faecium* natural isolate. *Antimicrobial agents and chemotherapy*, 70(5), e0194825.

Li Y, et al. (2026) Integrated multi-omics implicates the gut microbiota and bilirubin in abdominal fat deposition in Huainan yellow chickens. *Poultry science*, 105(6), 106769.

Panek J, et al. (2026) Plant-soil-microbiome interactions: mechanisms, advances, and challenges in sustainable agriculture and healthy agroecosystems. *Frontiers in microbiology*, 17, 1762743.

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

Gong Y, et al. (2026) Prophylactic impact of cecal fermentation broth against gut microbiota dysbiosis of broiler chickens challenged with *Escherichia coli*. *Animal microbiome*, 8(1), 11.

Liu M, et al. (2026) Deciphering the Arterial and Venous Blood Bacterial DNA Profile: Pioneering Insights into Coronary Heart Disease Etiology and Progression. *Microorganisms*, 14(2).

Chen W, et al. (2026) Diet-Induced Modulation of Gut Microbiota Affects Meat Quality in Grass Carp (*Ctenopharyngodon idellus*). *Microorganisms*, 14(2).

Kong C, et al. (2026) Extraction-Dependent Structural Diversity of White Kidney Bean Cotyledon Polysaccharides Determines Their Effects on Ex Vivo Fermentation of the Elderly Gut Microbiota. *Nutrients*, 18(4).