

Resource Summary Report

Generated by [ASWG](#) on Aug 17, 2026

UCLUST algorithm

RRID:SCR_011921

Type: Tool

Proper Citation

UCLUST algorithm (RRID:SCR_011921)

Resource Information

URL: http://drive5.com/usearch/manual/uclust_algo.html

Proper Citation: UCLUST algorithm (RRID:SCR_011921)

Description: Algorithm that divides a set of sequences into clusters

Abbreviations: UCLUST

Resource Type: software resource

Defining Citation: [PMID:20709691](#)

Resource Name: UCLUST algorithm

Resource ID: SCR_011921

Alternate IDs: OMICS_01448

Record Creation Time: 20220129T080307+0000

Record Last Update: 20260815T182442+0000

Ratings and Alerts

No rating or validation information has been found for UCLUST algorithm.

No alerts have been found for UCLUST algorithm.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 57 mentions in open access literature.

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

Li G, et al. (2026) Predator-driven microbial feedback loops promote plant health. *Nature communications*, 17(1).

Ismaeil M, et al. (2026) Predictive functional profiling of 16S rRNA genes amplicons reveals bioremediation and sulfur metabolism capacity in thermophilic hot spring bacteriomes. *Scientific reports*, 16(1).

Wang N, et al. (2025) Succinic acid reduces tomato bacterial wilt disease by recruiting *Sphingomonas* sp. *Environmental microbiome*, 20(1), 85.

Chao H, et al. (2025) Litter quality modulates changes in bacterial and fungal communities during the gut transit of earthworm species of different ecological groups. *ISME communications*, 5(1), ycae171.

Wan S, et al. (2024) Gut microbiome changes in mouse, Mongolian gerbil, and hamster models following *Clostridioides difficile* challenge. *Frontiers in microbiology*, 15, 1368194.

Wang X, et al. (2024) Phages enhance both phytopathogen density control and rhizosphere microbiome suppressiveness. *mBio*, 15(6), e0301623.

Wang J, et al. (2024) Protein-small molecule binding site prediction based on a pre-trained protein language model with contrastive learning. *Journal of cheminformatics*, 16(1), 125.

Kim JE, et al. (2023) Microbial diversity and metabolic function in duodenum, jejunum and ileum of emu (*Dromaius novaehollandiae*). *Scientific reports*, 13(1), 4488.

Li Z, et al. (2023) Effects of melittin on laying performance and intestinal barrier function of quails. *Poultry science*, 102(2), 102355.

Chen C, et al. (2023) Methylophilic methanogens and bacteria synergistically demethylate dimethylarsenate in paddy soil and alleviate rice straighthead disease. *The ISME journal*, 17(11), 1851.

Liu J, et al. (2023) *Acer truncatum* leaves extract modulates gut microbiota, improves antioxidant capacity, and alleviates lipopolysaccharide-induced inflammation in broilers. *Poultry science*, 102(10), 102951.

Mondal HK, et al. (2022) Alteration of gut microbiota composition and function of Indian major carp, rohu (*Labeo rohita*) infected with *Argulus siamensis*. *Microbial pathogenesis*, 164, 105420.

Mei L, et al. (2022) Dysbiosis of vaginal microbiota associated with persistent high-risk human papilloma virus infection. *Journal of translational medicine*, 20(1), 12.

Zhu YX, et al. (2022) Mechanisms of fungal community assembly in wild stoneflies moderated by host characteristics and local environment. *NPJ biofilms and microbiomes*, 8(1), 31.

Wang P, et al. (2022) Herbivore camping reshapes the taxonomy, function and network of pasture soil microbial communities. *PeerJ*, 10, e14314.

Yan X, et al. (2022) Antagonization of Ghrelin Suppresses Muscle Protein Deposition by Altering Gut Microbiota and Serum Amino Acid Composition in a Pig Model. *Biology*, 11(6).

Wang Q, et al. (2022) Effects of Dietary Koumine on Growth Performance, Intestinal Morphology, Microbiota, and Intestinal Transcriptional Responses of *Cyprinus carpio*. *International journal of molecular sciences*, 23(19).

Zhang S, et al. (2022) Effect of different straw retention techniques on soil microbial community structure in wheat-maize rotation system. *Frontiers in microbiology*, 13, 1069458.

Lv D, et al. (2021) Comparison of Gut Bacterial Communities of Fall Armyworm (*Spodoptera frugiperda*) Reared on Different Host Plants. *International journal of molecular sciences*, 22(20).

Luo H, et al. (2021) Hepatoprotective effects of Cassiae Semen on mice with non-alcoholic fatty liver disease based on gut microbiota. *Communications biology*, 4(1), 1357.