

Resource Summary Report

Generated by [ASWG](#) on Aug 2, 2026

UPARSE

RRID:SCR_005020

Type: Tool

Proper Citation

UPARSE (RRID:SCR_005020)

Resource Information

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

Proper Citation: UPARSE (RRID:SCR_005020)

Description: An Operational Taxonomic Unit (OTU) clustering software for 16S and other marker genes. Highly accurate OTU sequences and improved diversity measures.

Abbreviations: UPARSE

Resource Type: software resource

Defining Citation: [PMID:23955772](#)

Resource Name: UPARSE

Resource ID: SCR_005020

Alternate IDs: OMICS_01449

Record Creation Time: 20220129T080228+0000

Record Last Update: 20260801T190244+0000

Ratings and Alerts

No rating or validation information has been found for UPARSE.

No alerts have been found for UPARSE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3898 mentions in open access literature.

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

Liu D, et al. (2026) The effect of fermented sea buckthorn products on production performance, egg quality, intestinal health, and antioxidant capacity of laying hens. *Poultry science*, 105(1), 106134.

Li X, et al. (2026) Metformin attenuates colitis via blocking STAT3 acetylation by reducing acetyl-CoA production. *Journal of advanced research*, 79, 393.

Huang J, et al. (2026) Emulsified essential oil-organic acid mixtures in drinking water reduce *Salmonella Typhimurium* infection and improve intestinal health in broilers. *Poultry science*, 105(1), 106138.

Wang Z, et al. (2026) Rotation-driven changes in physicochemical properties modulate soil microbial diversity and community complexity in tobacco-woad soils. *Microbiology spectrum*, 14(1), e0301624.

Ma Y, et al. (2026) *Lactobacillus rhamnosus* and Xylo-oligosaccharides improve meat quality and modulate the microbiota composition of Magang geese aged 22-50 days. *Poultry science*, 105(1), 106090.

Xiao Y, et al. (2026) Berberine suppresses colon inflammation via integrated modulation of host metabolism, microbial ecology, and innate immune signaling. *Theranostics*, 16(4), 2019.

Han P, et al. (2026) Integrated multi-omics reveals microbial and metabolic mechanisms driving enhanced fermentation quality in cigar tobacco leaves with exogenous additives. *Bioresources and bioprocessing*, 13(1), 2.

Zhao M, et al. (2026) *Prevotella copri* facilitates wound healing in mice through the sphingosine-CerS1-ceramide metabolic pathway. *Microbiology spectrum*, 14(1), e0158725.

Jiao X, et al. (2025) Progressive gut microbiota shifts and functional alterations across aging stages and frailty in mice. *iScience*, 28(7), 112985.

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

Zhang J, et al. (2025) Combination application of microbial agent and lime application improves soil nutrients and soil fungi community, producing good quality tobacco. *Frontiers in microbiology*, 16, 1615412.

Ma W, et al. (2025) An in vivo study of the ameliorative effect of supplementation with *Lacticaseibacillus paracasei* Glory LP16 in immunocompromised mice. *Scientific reports*, 15(1), 14932.

Zhou X, et al. (2025) *Lactobacillus gallinarum* improves broiler performance by enhancing antioxidant capacity and regulating intestinal microbiota. *Poultry science*, 104(10), 105537.

Huang K, et al. (2025) Research on the characteristics of gut microbiota in overweight patients with early-onset type 2 diabetes mellitus. *Journal of diabetes investigation*, 16(10), 1890.

Cui P, et al. (2025) Diversity, antibacterial and antioxidant activities of fungi associated with *Apis cerana*. *PeerJ*, 13, e19762.

Zhang X, et al. (2025) Transcutaneous auricular vagus nerve stimulation regulates gut microbiota mediated peripheral inflammation and metabolic disorders to suppress depressive-like behaviors in CUMS rats. *Frontiers in microbiology*, 16, 1576686.

Cui Y, et al. (2025) Microbial community structure and functional traits involved in the adaptation of culturable bacteria within the gut of amphipods from the deepest ocean. *Microbiology spectrum*, 13(1), e0072324.

Ji XY, et al. (2025) Interspecific allelopathic interaction primes direct and indirect resistance in neighboring plants within agroforestry systems. *Plant communications*, 6(1), 101173.

Zhao Y, et al. (2025) ITS amplicon sequencing revealed that rare taxa of tea rhizosphere fungi are closely related to the environment and provide feedback on tea tree diseases. *Microbiology spectrum*, 13(1), e0188924.

Xie C, et al. (2025) Transplantation of fecal microbiota from low to high residual feed intake chickens: Impacts on RFI, microbial community and metabolites profiles. *Poultry science*, 104(1), 104567.