

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 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:** 20260725T190600+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 [nidm-terms](#) .

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.

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.

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.

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.

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.

Wang L, et al. (2025) Electroacupuncture alleviates functional constipation by upregulating host-derived miR-205-5p to modulate gut microbiota and tryptophan metabolism. *Frontiers in microbiology*, 16, 1517018.

Zhao X, et al. (2025) Introduction of *Panax notoginseng* into pine forests significantly enhances the diversity, stochastic processes, and network complexity of nitrogen-fixing bacteria in the soil. *Frontiers in microbiology*, 16, 1531875.

Yang J, et al. (2025) Effect of dietary *Dendrobium nobile* Lindl. On production performance, immune function and caecal microbiota of Chishui black-bone hens. *Scientific reports*, 15(1), 9745.

Bibi A, et al. (2025) Behavioral alterations in antibiotic-treated mice associated with gut microbiota dysbiosis: insights from 16S rRNA and metabolomics. *Frontiers in neuroscience*, 19, 1478304.

Wang X, et al. (2025) Differences and correlation analysis of feeding habits and intestinal microbiome in *Schizopygopsis microcephalus* and *Ptychobarbus kaznakovi* in the upper reaches of Yangtze River. *Frontiers in microbiology*, 16, 1513401.

Dong Y, et al. (2025) Effects of high stocking density on the growth performance, intestinal health and bile salts composition of broiler chickens. *Frontiers in microbiology*, 16, 1542059.

Zhang A, et al. (2025) Multi-Omics Approach to Evaluate Effects of Dietary Sodium Butyrate on Antioxidant Capacity, Immune Function and Intestinal Microbiota Composition in Adult Ragdoll Cats. *Metabolites*, 15(2).

Zhang Q, et al. (2025) Co-housing with Tibetan chickens improved the resistance of Arbor Acres chickens to *Salmonella enterica* serovar Enteritidis infection by altering their gut microbiota composition. *Journal of animal science and biotechnology*, 16(1), 2.

Liu M, et al. (2025) Circadian rhythms of microbial communities and their role in regulating nitrogen and phosphorus cycling in the rhizosphere of tea plants. *Horticulture research*, 12(1), uhae267.

Yin H, et al. (2025) Response of Soil Bacteria to Short-Term Nitrogen Addition in Nutrient-Poor Areas. *Microorganisms*, 13(1).