Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

Unifrac

RRID:SCR_014616
Type: Tool

Proper Citation

Unifrac (RRID:SCR_014616)

Resource Information

URL: http://aem.asm.org/content/71/12/8228.full

Proper Citation: Unifrac (RRID:SCR_014616)

Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented Setember 8, 2016. A suite of tools for the comparison of microbial communities using phylogenetic information. It takes as input a single phylogenetic tree that contains sequences derived from at least two different environmental samples and a file describing which sequences came from which sample.

Resource Type: software application, software resource, data processing software, data analysis software

Keywords: microbiome, comparison, microbial community, phylogenetic tree, sequence

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Unifrac

Resource ID: SCR_014616

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260728T043441+0000

Ratings and Alerts

No rating or validation information has been found for Unifrac.

No alerts have been found for Unifrac.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 824 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Yao T, et al. (2025) Impacts of night shift on medical professionals: a pilot study of brain connectivity and gut microbiota. Frontiers in neuroscience, 19, 1503176.

Neha SA, et al. (2025) Impacts of host phylogeny, diet, and geography on the gut microbiome of rodents. PloS one, 20(1), e0316101.

Cao X, et al. (2025) L-Carnitine Improves Muscle Nutrient Metabolism and Intestinal Health in High-Fat-Fed Carp (Cyprinus carpio). Aquaculture nutrition, 2025, 5623889.

Cheong S, et al. (2025) Exploring the impact of grazing on fecal and soil microbiome dynamics in small ruminants in organic crop-livestock integration systems. PloS one, 20(1), e0316616.

Stothart MR, et al. (2025) Population Dynamics and the Microbiome in a Wild Boreal Mammal: The Snowshoe Hare Cycle and Impacts of Diet, Season and Predation Risk. Molecular ecology, 34(3), e17629.

Jara-Servin A, et al. (2025) Microbial Communities in Agave Fermentations Vary by Local Biogeographic Regions. Environmental microbiology reports, 17(1), e70057.

Tian P, et al. (2025) Acidity, sugar, and alcohol contents during the fermentation of Osmanthus-flavored sweet rice wine and microbial community dynamics. PeerJ, 13, e18826.

Renwick S, et al. (2025) Modulating the developing gut microbiota with 2'-fucosyllactose and pooled human milk oligosaccharides. Microbiome, 13(1), 44.

Melville DW, et al. (2025) Delayed feeding disrupts diurnal oscillations in the gut microbiome of a neotropical bat in captivity. FEMS microbiology ecology, 101(2).

Frith ME, et al. (2024) Microbiota-dependent early-life programming of gastrointestinal motility. iScience, 27(10), 110895.

Zhang Y, et al. (2024) Ethnicity-based analysis of supragingival plaque composition and dental health behaviours in healthy subjects without caries. Heliyon, 10(15), e35238.

Ricci S, et al. (2024) Integrated microbiota-host-metabolome approaches reveal adaptive ruminal changes to prolonged high-grain feeding and phytogenic supplementation in cattle. FEMS microbiology ecology, 100(2).

Corl A, et al. (2024) Social, environmental, and developmental factors affect the microbiota of barn owls (Tyto alba) in a cross-fostering experiment. Animal microbiome, 6(1), 77.

Yang X, et al. (2024) Total flavonoids of Chrysanthemum indicum L inhibit colonic barrier injury induced by acute pancreatitis by affecting gut microorganisms. Aging, 16(11), 10132.

Xu W-B, et al. (2024) Effects of antibiotic and disinfectant exposure on the mouse gut microbiome and immune function. Microbiology spectrum, 12(11), e0061124.

Soh M, et al. (2024) The intestinal digesta microbiota of tropical marine fish is largely uncultured and distinct from surrounding water microbiota. NPJ biofilms and microbiomes, 10(1), 11.

Tochitani S, et al. (2024) Perturbed maternal microbiota shapes offspring microbiota during early colonization period in mice. Proceedings of the Japan Academy. Series B, Physical and biological sciences, 100(6), 335.

Wu C, et al. (2024) Urinary microbiome dysbiosis is associated with an inflammatory environment and perturbed fatty acids metabolism in the pathogenesis of bladder cancer. Journal of translational medicine, 22(1), 628.

Liu L, et al. (2024) Unveiling the Power of Gut Microbiome in Predicting Neoadjuvant Immunochemotherapy Responses in Esophageal Squamous Cell Carcinoma. Research (Washington, D.C.), 7, 0529.

Guo J, et al. (2024) Postbiotics from Saccharomyces cerevisiae fermentation stabilize microbiota in rumen liquid digesta during grain-based subacute ruminal acidosis (SARA) in lactating dairy cows. Journal of animal science and biotechnology, 15(1), 101.