

Resource Summary Report

Generated by SPARC SAWG on Sep 15, 2026

Community Cyberinfrastructure for Advanced Marine Microbial Ecology Research and Analysis

RRID:SCR_002676

Type: Tool

Proper Citation

Community Cyberinfrastructure for Advanced Marine Microbial Ecology Research and Analysis (RRID:SCR_002676)

Resource Information

URL: <http://camera.calit2.net/>

Proper Citation: Community Cyberinfrastructure for Advanced Marine Microbial Ecology Research and Analysis (RRID:SCR_002676)

Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented May 26, 2016; however, the URL provides links to associated projects and data. A suite of data query, download, upload, analysis and sharing tools serving the needs of the microbial ecology research community, and other scientists using metagenomics data.

Abbreviations: CAMERA

Resource Type: analysis service resource, data analysis service, data or information resource, data repository, organization portal, portal, production service resource, service resource, storage service resource

Defining Citation: [PMID:21045053](#)

Keywords: ecology, energy, environment, gene, analysis, bioinformatics, biological, biology, community, cyberinfrastructure, data, dna, genome, genomics, health care, map, marine, metadata, metagenomic, microbial, microbiology, molecular biology, organism, research, scientific, sequence, sequencing, software, tool, training, viral

Funding: Gordon and Betty Moore Foundation

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Community Cyberinfrastructure for Advanced Marine Microbial Ecology Research and Analysis

Resource ID: SCR_002676

Alternate IDs: SCR_011924, OMICS_01476, nif-0000-23292

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260912T195544+0000

Ratings and Alerts

No rating or validation information has been found for Community Cyberinfrastructure for Advanced Marine Microbial Ecology Research and Analysis.

No alerts have been found for Community Cyberinfrastructure for Advanced Marine Microbial Ecology Research and Analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 83 mentions in open access literature.

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

Figuroa JL, et al. (2024) MerCat2: a versatile k-mer counter and diversity estimator for database-independent property analysis obtained from omics data. *Bioinformatics advances*, 4(1), vbae061.

Zhang W, et al. (2021) Characterization and genomic analysis of the first Oceanospirillum phage, vB_OliS_GJ44, representing a novel siphoviral cluster. *BMC genomics*, 22(1), 675.

Pang Z, et al. (2021) Linking Plant Secondary Metabolites and Plant Microbiomes: A Review. *Frontiers in plant science*, 12, 621276.

Moreno PS, et al. (2017) Characterisation of the canine faecal virome in healthy dogs and dogs with acute diarrhoea using shotgun metagenomics. *PloS one*, 12(6), e0178433.

Zou B, et al. (2017) MIPE: A metagenome-based community structure explorer and SSU primer evaluation tool. *PloS one*, 12(3), e0174609.

Ichinomiya M, et al. (2016) Diversity and oceanic distribution of the Parmales (Bolidophyceae), a picoplanktonic group closely related to diatoms. *The ISME journal*, 10(10), 2419.

Tapia JE, et al. (2016) Microbiota Influences Morphology and Reproduction of the Brown Alga *Ectocarpus* sp. *Frontiers in microbiology*, 7, 197.

Fondi M, et al. (2016) "Every Gene Is Everywhere but the Environment Selects": Global Geolocalization of Gene Sharing in Environmental Samples through Network Analysis. *Genome biology and evolution*, 8(5), 1388.

Rinaudo P, et al. (2016) biosigner: A New Method for the Discovery of Significant Molecular Signatures from Omics Data. *Frontiers in molecular biosciences*, 3, 26.

Carvalho E, et al. (2016) Discovery of A-type procyanidin dimers in yellow raspberries by untargeted metabolomics and correlation based data analysis. *Metabolomics : Official journal of the Metabolomic Society*, 12(9), 144.

Noda-García L, et al. (2015) Insights into the evolution of enzyme substrate promiscuity after the discovery of (??)? isomerase evolutionary intermediates from a diverse metagenome. *BMC evolutionary biology*, 15, 107.

Dudhagara P, et al. (2015) Web Resources for Metagenomics Studies. *Genomics, proteomics & bioinformatics*, 13(5), 296.

von Dassow P, et al. (2015) Life-cycle modification in open oceans accounts for genome variability in a cosmopolitan phytoplankton. *The ISME journal*, 9(6), 1365.

Martin M, et al. (2015) The Cultivable Surface Microbiota of the Brown Alga *Ascophyllum nodosum* is Enriched in Macroalgal-Polysaccharide-Degrading Bacteria. *Frontiers in microbiology*, 6, 1487.

Puxty RJ, et al. (2015) Spontaneous Deletion of an "ORFanage" Region Facilitates Host Adaptation in a "Photosynthetic" Cyanophage. *PloS one*, 10(7), e0132642.

Groussman RD, et al. (2015) Diversity and Evolutionary History of Iron Metabolism Genes in Diatoms. *PloS one*, 10(6), e0129081.

Tseng CH, et al. (2015) Prokaryotic assemblages and metagenomes in pelagic zones of the South China Sea. *BMC genomics*, 16(1), 219.

Wang H, et al. (2015) Diversity of putative archaeal RNA viruses in metagenomic datasets of a yellowstone acidic hot spring. *SpringerPlus*, 4, 189.

Coolen MJ, et al. (2015) The transcriptional response of microbial communities in thawing Alaskan permafrost soils. *Frontiers in microbiology*, 6, 197.

Lara E, et al. (2015) Life-style and genome structure of marine *Pseudoalteromonas* siphovirus B8b isolated from the northwestern Mediterranean Sea. *PloS one*, 10(1), e0114829.