California Current microbiomes: baselines and drivers

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Importance

The California Current System (CCS) is environmentally, economically, and culturally valuable. It houses major fisheries and is impacted by oceanographic processes like marine heat waves and upwelling, which are predicted to be impacted by climate change. Understanding baseline microbial and plankton communities will help predict broader ecosystem change.



eukaryotic taxa

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Beyond microbes: Long read sequencing reveals eukaryotic population distributions



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MAGs of ecologically important photosynthetic eukaryotes improve our understanding of baseline phytoplankton communities Bathycoccus and Ostreococcus are two of the three globally dominant picoprasinophyte lineages









location of rRNA genes on contig

hudall ... Mile Alexa handerthe an index h hudall ... Mul huar harpelli a faile da handall . . . Mar Ano had III ... IMA ALA. hadall ... Ihus Ihus Nucleotide position

Zooplankton marker gene coverages show population microdiversity and biogeography

Diatom, dinoflagellate, and haptophyte levels correlate with microbiomes (2018)

