

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 24, 2025

## Anvi'o

RRID:SCR\_021802

Type: Tool

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### Proper Citation

Anvi'o (RRID:SCR\_021802)

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### Resource Information

**URL:** <https://anvio.org>

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**Description:** Open source software analysis and visualization platform for microbial omics including genomics, metagenomics, metatranscriptomics, pangenomics, metapangenomics, phylogenomics, and microbial population genetics in integrated fashion through extensive interactive visualization capabilities.

**Synonyms:** Anvi'o

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

**Keywords:** analysis, visualization, integrated omics, metagenomics, pangenomics, phylogenomics, microbial omics

**Funding:** Simons Foundation ;  
Alfred P. Sloan Foundation ;  
Marine Biological Laboratory ;  
University of Chicago ;  
Helmholtz Institute for Functional Marine Biodiversity ;  
W. M. Keck Foundation

**Availability:** Free, Available for download, Freely available

**Resource Name:** Anvi'o

**Resource ID:** SCR\_021802

**Alternate IDs:** biotools:anvio

**Alternate URLs:** <https://github.com/merenlab/anvio>, <https://bio.tools/anvio>

**License:** GNU General Public License v3.0

**Record Creation Time:** 20220129T080357+0000

**Record Last Update:** 20250424T065643+0000

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## Ratings and Alerts

No rating or validation information has been found for Anvi'o.

No alerts have been found for Anvi'o.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 15 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Veseli I, et al. (2024) Digital Microbe: a genome-informed data integration framework for team science on emerging model organisms. *Scientific data*, 11(1), 967.

Bech PK, et al. (2024) Succession of microbial community composition and secondary metabolism during marine biofilm development. *ISME communications*, 4(1), ycae006.

Fogarty EC, et al. (2023) A highly conserved and globally prevalent cryptic plasmid is among the most numerous mobile genetic elements in the human gut. *bioRxiv : the preprint server for biology*.

Baker JL, et al. (2023) Illuminating the oral microbiome and its host interactions: recent advancements in omics and bioinformatics technologies in the context of oral microbiome research. *FEMS microbiology reviews*, 47(5).

Chan DTC, et al. (2023) Revealing the Host-Dependent Nature of an Engineered Genetic Inverter in Concordance with Physiology. *BioDesign research*, 5, 0016.

Hochart C, et al. (2023) Ecology of Endozoicomonadaceae in three coral genera across the Pacific Ocean. *Nature communications*, 14(1), 3037.

Gaia M, et al. (2023) Mirusviruses link herpesviruses to giant viruses. *Nature*, 616(7958), 783.

O'Banion BS, et al. (2023) Plant myo-inositol transport influences bacterial colonization phenotypes. *Current biology : CB*, 33(15), 3111.

Gilroy R, et al. (2023) An initial genomic blueprint of the healthy human oesophageal microbiome. *Access microbiology*, 5(6).

Cornet L, et al. (2022) The GEN-ERA toolbox: unified and reproducible workflows for research in microbial genomics. *GigaScience*, 12.

McCauley KE, et al. (2022) Heritable vaginal bacteria influence immune tolerance and relate to early-life markers of allergic sensitization in infancy. *Cell reports. Medicine*, 3(8), 100713.

Vanni C, et al. (2022) Unifying the known and unknown microbial coding sequence space. *eLife*, 11.

Nanjani S, et al. (2022) Genome analysis uncovers the prolific antagonistic and plant growth-promoting potential of endophyte *Bacillus velezensis* K1. *Gene*, 836, 146671.

Bulankova P, et al. (2021) Mitotic recombination between homologous chromosomes drives genomic diversity in diatoms. *Current biology : CB*, 31(15), 3221.

Miyoshi J, et al. (2021) Early-Life Microbial Restitution Reduces Colitis Risk Promoted by Antibiotic-Induced Gut Dysbiosis in Interleukin 10<sup>-/-</sup> Mice. *Gastroenterology*, 161(3), 940.