Resource Summary Report

Generated by NIF on Apr 19, 2025

biobakery

RRID:SCR_016596
Type: Tool

Proper Citation

biobakery (RRID:SCR_016596)

Resource Information

URL: https://bitbucket.org/biobakery/biobakery/wiki/Home

Proper Citation: biobakery (RRID:SCR_016596)

Description: Analysis environment and collection of individual software tools to process raw shotgun metagenome or metatranscriptome sequencing data for quantitative microbial community profiling. Used for a metaomics data analysis.

Synonyms: bioBakery, biobakery

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

Defining Citation: PMID:29194469

Keywords: Huttenhower lab, metaomics, data, analysis, process, raw, shotgun, metagenome, metatranscriptome, sequencing, microbial, profiling, bio.tools

Funding: NIDDK U54 DE023798;
Sloan Foundation 4406J0B;
NHGRI R01 HG005220;
NSF DBI1053486;
NHGRI R01 HG005969;
ARO W911NF1110473

Availability: Public, Free, Freely available, Tutorial available

Resource Name: biobakery

Resource ID: SCR_016596

Alternate IDs: biotools:biobakery

Alternate URLs: http://huttenhower.sph.harvard.edu/biobakery, https://bio.tools/biobakery

License: MIT license

Record Creation Time: 20220129T080331+0000

Record Last Update: 20250420T014815+0000

Ratings and Alerts

No rating or validation information has been found for biobakery.

No alerts have been found for biobakery.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Wang R, et al. (2024) From transients to permanent residents: the existence of obligate aerobic microorganisms in the goat rumen. Frontiers in microbiology, 15, 1325505.

Zhao X, et al. (2024) Yinchenhao Decoction Protects Against Acute Liver Injury in Mice With Biliary Acute Pancreatitis by Regulating the Gut Microflora-Bile Acids-Liver Axis. Gastroenterology research and practice, 2024, 8882667.

Zheng J, et al. (2024) Noninvasive, microbiome-based diagnosis of inflammatory bowel disease. Nature medicine, 30(12), 3555.

Yang R, et al. (2024) Inspecting mother-to-infant microbiota transmission: disturbance of strain inheritance by cesarian section. Frontiers in microbiology, 15, 1292377.

Ning L, et al. (2023) Microbiome and metabolome features in inflammatory bowel disease via multi-omics integration analyses across cohorts. Nature communications, 14(1), 7135.

Xu Y, et al. (2023) Airborne microbes in five important regions of Chinese traditional distilled liquor (Baijiu) brewing: regional and seasonal variations. Frontiers in microbiology, 14,

1324722.

Wang Z, et al. (2023) Composition and functional profiles of gut microbiota reflect the treatment stage, severity, and etiology of acute pancreatitis. Microbiology spectrum, 11(5), e0082923.

Yang S, et al. (2022) Resveratrol Improves the Digestive Ability and the Intestinal Health of Siberian Sturgeon. International journal of molecular sciences, 23(19).

Wang S, et al. (2021) Metagenomic analysis of mother-infant gut microbiome reveals global distinct and shared microbial signatures. Gut microbes, 13(1), 1.

Chang YL, et al. (2019) A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. Mucosal immunology, 12(2), 457.

Bastiaanssen TFS, et al. (2019) Making Sense of … the Microbiome in Psychiatry. The international journal of neuropsychopharmacology, 22(1), 37.