Resource Summary Report

Generated by NIF on Apr 28, 2025

<u>pynast</u>

RRID:SCR_024189 Type: Tool

Proper Citation

pynast (RRID:SCR_024189)

Resource Information

URL: https://github.com/biocore/pynast

Proper Citation: pynast (RRID:SCR_024189)

Description: Software tool for aligning sequences to template alignment.

Synonyms: Python Nearest Alignment Space Termination tool

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

Defining Citation: PMID:19914921

Keywords: aligning sequences to template alignment,

Funding:

Availability: Free, Available for download, Freely available,

Resource Name: pynast

Resource ID: SCR_024189

Alternate IDs: OMICS_15419

Alternate URLs: https://sources.debian.org/src/pynast/

License: Modified BSD License

Record Creation Time: 20230824T050212+0000

Ratings and Alerts

No rating or validation information has been found for pynast.

No alerts have been found for pynast.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 64 mentions in open access literature.

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

Cao J, et al. (2024) Graphene enhances artemisinin production in the traditional medicinal plant Artemisia annua via dynamic physiological processes and miRNA regulation. Plant communications, 5(3), 100742.

Zhao B, et al. (2024) Microbial communities and metagenomes in methane-rich deep coastal sediments. Scientific data, 11(1), 1043.

Huang CG, et al. (2024) Exploring the Interplay of Gut Microbiota and Systemic Inflammation in Pediatric Obstructive Sleep Apnea Syndrome and Its Impact on Blood Pressure Status: A Cross-Sectional Study. International journal of molecular sciences, 25(24).

Ma W, et al. (2024) Amelioration of inflammatory bowel disease by Bifidobacterium animalis subsp. lactis XLTG11 in combination with mesalazine. Frontiers in microbiology, 15, 1472776.

Liu Y, et al. (2024) The Diversity of Wolbachia and Other Bacterial Symbionts in Spodoptera frugiperda. Insects, 15(4).

Wan S, et al. (2024) Gut microbiome changes in mouse, Mongolian gerbil, and hamster models following Clostridioides difficile challenge. Frontiers in microbiology, 15, 1368194.

Fan J, et al. (2024) Taxonomic composition and functional potentials of gastrointestinal microbiota in 12 wild-stranded cetaceans. Frontiers in microbiology, 15, 1394745.

Zhang H, et al. (2024) Fungal endophytes of Taxus species and regulatory effect of two strains on taxol synthesis. BMC microbiology, 24(1), 291.

Wang J, et al. (2023) The Periparturient Gut Microbiota's Modifications in Shaziling Sows

concerning Bile Acids. Metabolites, 13(1).

Liu D, et al. (2023) Indoleacrylic acid produced by Parabacteroides distasonis alleviates type 2 diabetes via activation of AhR to repair intestinal barrier. BMC biology, 21(1), 90.

Yi X, et al. (2023) Melatonin promotes gut anti-oxidative status in perinatal rat by remodeling the gut microbiome. Redox biology, 65, 102829.

Lu F, et al. (2023) Anthocyanin-rich blue potato meals protect against polychlorinated biphenyl-mediated disruption of short-chain fatty acid production and gut microbiota profiles in a simulated human digestion model. Frontiers in nutrition, 10, 1130841.

Mondal HK, et al. (2022) Alteration of gut microbiota composition and function of Indian major carp, rohu (Labeo rohita) infected with Argulus siamensis. Microbial pathogenesis, 164, 105420.

Yu HR, et al. (2022) Effects of Maternal Gut Microbiota-Targeted Therapy on the Programming of Nonalcoholic Fatty Liver Disease in Dams and Fetuses, Related to a Prenatal High-Fat Diet. Nutrients, 14(19).

Messer LF, et al. (2021) Temperate southern Australian coastal waters are characterised by surprisingly high rates of nitrogen fixation and diversity of diazotrophs. PeerJ, 9, e10809.

Tian Q, et al. (2021) Soil pH and Organic Carbon Properties Drive Soil Bacterial Communities in Surface and Deep Layers Along an Elevational Gradient. Frontiers in microbiology, 12, 646124.

Henares D, et al. (2021) Differential nasopharyngeal microbiota composition in children according to respiratory health status. Microbial genomics, 7(10).

Afanador-Barajas LN, et al. (2021) Impact of a bacterial consortium on the soil bacterial community structure and maize (Zea mays L.) cultivation. Scientific reports, 11(1), 13092.

Bian Y, et al. (2021) A correlational study of Weifuchun and its clinical effect on intestinal flora in precancerous lesions of gastric cancer. Chinese medicine, 16(1), 120.

Xiao Joe JT, et al. (2021) The Alteration of Intestinal Microbiota Profile and Immune Response in Epinephelus coioides during Pathogen Infection. Life (Basel, Switzerland), 11(2).