

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

Mantis

RRID:SCR_021001

Type: Tool

Proper Citation

Mantis (RRID:SCR_021001)

Resource Information

URL: <https://github.com/PedroMTQ/mantis>

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Description: Software homology based protein function annotation tool that integrates multiple reference data sources. Custom reference data sources can also be added. Accepts as input aminoacids sequence fasta. Customizable and is available on Linux.

Resource Type: standalone software, software resource, software application

Keywords: Protein function annotation, match sequences, multiple reference datasets, Linux, homology based, annotation tool

Availability: Free, Available for download, Freely available

Resource Name: Mantis

Resource ID: SCR_021001

License: MIT license

Record Creation Time: 20220129T080353+0000

Record Last Update: 20260808T190521+0000

Ratings and Alerts

No rating or validation information has been found for Mantis.

No alerts have been found for Mantis.

Data and Source Information

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Ellison G, et al. (2026) Correlative imaging reveals metal dyshomeostasis and altered zinc coordination environments in a pre-clinical Type 2 diabetes model. *Metallomics : integrated biometal science*, 18(1).

Zhao LN, et al. (2026) Alternative splicing regulates FGGY-derived neoantigen presentation and promotes immune evasion in metabolic-associated hepatocellular carcinoma. *iScience*, 29(6), 115999.

Villette R, et al. (2025) Human gut microbiome gene co-expression network reveals a loss in taxonomic and functional diversity in Parkinson's disease. *NPJ biofilms and microbiomes*, 11(1), 142.

Arenillas C, et al. (2025) Convergent Genetic Adaptation in Human Tumors Developed Under Systemic Hypoxia and in Populations Living at High Altitudes. *Cancer discovery*, 15(5), 1037.

Villette R, et al. (2025) Integrated multi-omics highlights alterations of gut microbiome functions in prodromal and idiopathic Parkinson's disease. *Microbiome*, 13(1), 200.

Mesa CA, et al. (2024) Correlating activities and defects in (photo)electrocatalysts using in-situ multi-modal microscopic imaging. *Nature communications*, 15(1), 3908.

Loree JM, et al. (2024) Plasma versus Tissue Tumor Mutational Burden as Biomarkers of Durvalumab plus Tremelimumab Response in Patients with Metastatic Colorectal Cancer in the CO.26 Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(15), 3189.

Fitch SDS, et al. (2023) Combined Electrochemical, XPS, and STXM Study of Lithium Nitride as a Protective Coating for Lithium Metal and Lithium-Sulfur Batteries. *ACS applied materials & interfaces*, 15(33), 39198.

Tung CC, et al. (2023) Single-cell transcriptomics unveils xylem cell development and evolution. *Genome biology*, 24(1), 3.

Pradat Y, et al. (2023) Integrative Pan-Cancer Genomic and Transcriptomic Analyses of Refractory Metastatic Cancer. *Cancer discovery*, 13(5), 1116.

Cha JH, et al. (2022) Altered microstructure of the splenium of corpus callosum is associated with neurodevelopmental impairment in preterm infants with necrotizing enterocolitis. *Italian journal of pediatrics*, 48(1), 6.

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

Queir??s P, et al. (2021) Mantis: flexible and consensus-driven genome annotation. *GigaScience*, 10(6).

Wang D, et al. (2021) Biochar-templated surface precipitation and inner-sphere complexation effectively removes arsenic from acid mine drainage. *Environmental science and pollution research international*, 28(33), 45519.

Kagan MS, et al. (2021) Infant study of hemispheric asymmetry after long-gap esophageal atresia repair. *Annals of clinical and translational neurology*, 8(11), 2132.