

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

AmoebaDB

RRID:SCR_017592

Type: Tool

Proper Citation

AmoebaDB (RRID:SCR_017592)

Resource Information

URL: <https://amoebadb.org/amoeba/>

Proper Citation: AmoebaDB (RRID:SCR_017592)

Description: Integrated genomic and functional genomic database for Entamoeba and Acanthamoeba parasites. Contains genomes of three Entamoeba species and microarray expression data for E. histolytica. Integrates whole genome sequence and annotation and includes experimental data and environmental isolate sequences provided by community researchers.

Resource Type: analysis service resource, data or information resource, database, production service resource, service resource

Defining Citation: [PMID:20974635](#)

Keywords: Genomic, functional, database, Entamoeba, Acanthamoeba, parasite, microarray, expression, data, experimental, isolate, sequence, bio.tools

Funding: Department of Health and Human Services ;
NIDA ;
NIH

Availability: Free, Freely available

Resource Name: AmoebaDB

Resource ID: SCR_017592

Alternate IDs: biotools:amoebadb, r3d100012457

Alternate URLs: <https://bio.tools/amoebadb>, <https://doi.org/10.17616/R3PX9Q>

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260821T194118+0000

Ratings and Alerts

No rating or validation information has been found for AmoebaDB.

No alerts have been found for AmoebaDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Avila-Bonilla RG, et al. (2022) Proteomic and Functional Analysis of the Effects of Quinoxaline Derivatives on *Entamoeba histolytica*. *Frontiers in cellular and infection microbiology*, 12, 887647.

Yanagawa Y, et al. (2022) Gene expression of axenically-isolated clinical *Entamoeba histolytica* strains and its impact on disease severity of amebiasis. *PLoS pathogens*, 18(9), e1010880.

Jeelani G, et al. (2021) Eukaryotic translation initiation factor 5A and its posttranslational modifications play an important role in proliferation and potentially in differentiation of the human enteric protozoan parasite *Entamoeba histolytica*. *PLoS pathogens*, 17(2), e1008909.

Leitsch D, et al. (2021) An unusual thioredoxin system in the facultative parasite *Acanthamoeba castellanii*. *Cellular and molecular life sciences : CMLS*, 78(7), 3673.

Terán-Ramírez C, et al. (2021) Structure-Function Relationship Study of a Secretory Amoebic Phosphatase: A Computational-Experimental Approach. *International journal of molecular sciences*, 22(4).

Mornico D, et al. (2020) Genomic determinants for initiation and length of natural antisense transcripts in *Entamoeba histolytica*. *Scientific reports*, 10(1), 20190.

González-Robles A, et al. (2020) Ultrastructural, Cytochemical, and Comparative Genomic Evidence of Peroxisomes in Three Genera of Pathogenic Free-Living Amoebae, Including the First Morphological Data for the Presence of This Organelle in Heteroloboseans. *Genome biology and evolution*, 12(10), 1734.

Thibeaux R, et al. (2013) Identification of the virulence landscape essential for *Entamoeba histolytica* invasion of the human colon. *PLoS pathogens*, 9(12), e1003824.