Resource Summary Report

Generated by T1D on Aug 1, 2026

PlasmoDB

RRID:SCR_013331
Type: Tool

Proper Citation

PlasmoDB (RRID:SCR_013331)

Resource Information

URL: http://PlasmoDB.org

Proper Citation: PlasmoDB (RRID:SCR_013331)

Description: Functional genomic database for malaria parasites. Database for Plasmodium spp. Provides resource for data analysis and visualization in gene-by-gene or genome-wide scale. PlasmoDB 5.5 contains annotated genomes, evidence of transcription, proteomics evidence, protein function evidence, population biology and evolution data. Data can be queried by selecting from query grid or drop down menus. Results can be combined with each other on query history page. Search results can be downloaded with associated functional data and registered users can store their query history for future retrieval or analysis.Key community database for malaria researchers, intersecting many types of laboratory and computational data, aggregated by gene.

Synonyms: PlasmoDB, Plasmodium Genomics Resource, PlasmoDB 5.5, Plasmodium genome-resource

Resource Type: data analysis service, data or information resource, data repository, storage service resource, data access protocol, database, service resource, production service resource, software resource, analysis service resource, web service

Defining Citation: PMID:18957442

Keywords: Functional, genomic, database, malaria, parasite, data, analysis, visualization, gene, genome, annotation, transcription, proteomics, protein, evolution, FASEB list

Related Condition: malaria

Funding: NIAID

Resource Name: PlasmoDB

Resource ID: SCR_013331

Alternate IDs: nif-0000-03314, SCR_017665, r3d100011569

Record Creation Time: 20220129T080315+0000

Record Last Update: 20260801T042718+0000

Ratings and Alerts

No rating or validation information has been found for PlasmoDB.

No alerts have been found for PlasmoDB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1239 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Ellis VA, et al. (2025) A generalist vector-transmitted parasite exhibits population genetic structure among host genera. Parasitology, 152(1), 82.

Jonsdottir TK, et al. (2025) A scalable CRISPR-Cas9 gene editing system facilitates CRISPR screens in the malaria parasite Plasmodium berghei. Nucleic acids research, 53(2).

Ceesay S, et al. (2025) Plasmodium falciparum expresses fewer var genes at lower levels during asymptomatic dry season infections than clinical malaria cases. PLoS pathogens, 21(6), e1013210.

Okafor A, et al. (2025) Transcriptome analysis reveals a de novo DNA element that may interact with chromatin-associated proteins in Plasmodium berghei during erythrocytic development. Scientific reports, 15(1), 18621.

Li Q, et al. (2025) Malaria: past, present, and future. Signal transduction and targeted therapy, 10(1), 188.

Lawton JG, et al. (2025) Diamonds in the rif: Alignment-free comparative genomics analysis reveals strain-transcendent Plasmodium falciparum antigens amidst extensive genetic diversity. Infection, genetics and evolution : journal of molecular epidemiology and evolutionary genetics in infectious diseases, 129, 105725.

Emmanuel J, et al. (2025) An optimized deep-forest algorithm using a modified differential evolution optimization algorithm: A case of host-pathogen protein-protein interaction prediction. Computational and structural biotechnology journal, 27, 595.

Kiboi D, et al. (2025) Isolation and characterization of Plasmodium falciparum blood-stage persisters by improved selection protocols using dihydroartemisinin alone. Antimicrobial agents and chemotherapy, 69(3), e0005324.

de F??tima Ferreira-da-Cruz M, et al. (2025) Diagnosing P. simium zoonotic malaria infection in the Rio de Janeiro Atlantic forest, Brazil. Scientific reports, 15(1), 23695.

Smith C, et al. (2025) Activity-based protein profiling reveals both canonical and novel ubiquitin pathway enzymes in Plasmodium. PLoS pathogens, 21(4), e1013032.

Anton L, et al. (2025) Integrated structural biology of the native malarial translation machinery and its inhibition by an antimalarial drug. Nature structural & molecular biology, 32(11), 2158.

D Sa J, et al. (2025) Stabilized designs of the malaria adhesin protein PvRBP2b for use as a potential diagnostic for Plasmodium vivax. The Journal of biological chemistry, 301(3), 108290.

Rawat A, et al. (2025) PfPPM2 signalling regulates asexual division and sexual conversion of human malaria parasite Plasmodium falciparum. Nature communications, 16(1), 4790.

Probst AS, et al. (2025) In vivo screen of Plasmodium targets for mosquito-based malaria control. Nature, 643(8072), 785.

Gao J, et al. (2025) The Plasmodium berghei merozoite protein PbGAC is critically involved in erythrocyte binding during invasion. Parasites & vectors, 18(1), 432.

Salomane N, et al. (2025) The impact of Iso-mukaadial acetate on Plasmodium falciparum transcriptional gene regulation. Scientific reports, 15(1), 42381.

Gockel J, et al. (2025) CUT&Tag and DiBioCUT&Tag enable investigation of the AT-rich epigenome of Plasmodium falciparum from low-input samples. Cell reports methods, 5(8), 101110.

Yu X, et al. (2025) Epigenetically conferred ring-stage survival in Plasmodium falciparum against artemisinin treatment. Nature communications, 16(1), 8037.

Kengne-Ouafo JA, et al. (2025) Plasmodium falciparum Subtilisin-like Domain-Containing Protein (PfSDP), a Cross-Stage Antigen, Elicits Short-Lived Antibody Response Following Natural Infection with Plasmodium falciparum. Cells, 14(15).

Kojom Foko LP, et al. (2025) Novel Plasmodium falciparum Kelch13 polymorphisms in Cameroon with structural and physicochemical impact. Antimicrobial agents and chemotherapy, 69(5), e0088424.