

Resource Summary Report

Generated by T1D on Jul 31, 2026

GiardiaDB

RRID:SCR_013377

Type: Tool

Proper Citation

GiardiaDB (RRID:SCR_013377)

Resource Information

URL: <http://giardiadb.org>

Proper Citation: GiardiaDB (RRID:SCR_013377)

Description: GiardiaDB is a resource for information on Giardia lamblia. It contains gene information, including genomic attributes, protein expression patterns, evolution, and EST sequence information. The website provides tools for BLASTing, sequence retrieval, graphic visualization, and PubMed information.

Synonyms: GiardiaDB

Resource Type: data or information resource, database

Keywords: genome, giardia lamblia, protein expression, FASEB list

Resource Name: GiardiaDB

Resource ID: SCR_013377

Alternate IDs: nif-0000-02908, r3d100012458

Record Creation Time: 20220129T080315+0000

Record Last Update: 20260729T044315+0000

Ratings and Alerts

No rating or validation information has been found for GiardiaDB.

No alerts have been found for GiardiaDB.

Data and Source Information

Usage and Citation Metrics

We found 100 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Freitag K, et al. (2025) A TATA-box-binding protein binds single-stranded DNA in two modes: To poly(G) tracts and to flexible DNA regions. *The Journal of biological chemistry*, 301(6), 108552.

Henao MA, et al. (2025) In Silico Discovery of Antigenic-Secreted Proteins to Diagnostic Human Toxocariasis. *Acta parasitologica*, 70(1), 54.

Alves-Ferreira EVC, et al. (2025) Whole Genome Sequence of the gut commensal protist *Tritrichomonas musculus* isolated from laboratory mice. *Scientific data*, 12(1), 590.

Yeo HR, et al. (2025) Giardia intraflagellar transport protein 88 is involved in flagella formation. *Parasites, hosts and diseases*, 63(1), 12.

Hagen KD, et al. (2024) Harnessing the power of new genetic tools to illuminate Giardia biology and pathogenesis. *Genetics*, 227(2).

Ranjbarian F, et al. (2024) Tetramerization of deoxyadenosine kinase meets the demands of a DNA replication substrate challenge in *Giardia intestinalis*. *Nucleic acids research*, 52(22), 14061.

Alvarez-Jarreta J, et al. (2024) VEuPathDB: the eukaryotic pathogen, vector and host bioinformatics resource center in 2023. *Nucleic acids research*, 52(D1), D808.

Shih HW, et al. (2023) Encystation stimuli sensing is mediated by adenylate cyclase AC2-dependent cAMP signaling in *Giardia*. *Nature communications*, 14(1), 7245.

Balmer EA, et al. (2023) A core UPS molecular complement implicates unique endocytic compartments at the parasite-host interface in *Giardia lamblia*. *Virulence*, 14(1), 2174288.

Novák LVF, et al. (2023) Genomics of *Preaxostyla* Flagellates Illuminates the Path Towards the Loss of Mitochondria. *PLoS genetics*, 19(12), e1011050.

Motyřková A, et al. (2023) Adaptation of the late ISC pathway in the anaerobic mitochondrial organelles of *Giardia intestinalis*. *PLoS pathogens*, 19(10), e1010773.

Saghaug CS, et al. (2023) Genetic diversity in the metronidazole metabolism genes nitroreductases and pyruvate ferredoxin oxidoreductases in susceptible and refractory clinical samples of *Giardia lamblia*. *International journal for parasitology. Drugs and drug resistance*, 21, 51.

Siddiq A, et al. (2023) A thermo-resistant and RNase-sensitive cargo from *Giardia duodenalis* extracellular vesicles modifies the behaviour of enterobacteria. *Journal of extracellular biology*, 2(9), e109.

Fang YK, et al. (2023) A mitochondrion-free eukaryote contains proteins capable of import into an exogenous mitochondrion-related organelle. *Open biology*, 13(1), 220238.

Sun M, et al. (2023) Giardia VSPAS7 protein attenuates Giardia intestinalis-induced host macrophage pyroptosis. *Parasites & vectors*, 16(1), 359.

Bilodeau DY, et al. (2022) Precise gene models using long-read sequencing reveal a unique poly(A) signal in Giardia lamblia. *RNA (New York, N.Y.)*, 28(5), 668.

Horáková V, et al. (2022) Efficient CRISPR/Cas9-mediated gene disruption in the tetraploid protist Giardia intestinalis. *Open biology*, 12(4), 210361.

Amos B, et al. (2022) VEuPathDB: the eukaryotic pathogen, vector and host bioinformatics resource center. *Nucleic acids research*, 50(D1), D898.

Thomas EB, et al. (2021) Staging Encystation Progression in Giardia lamblia Using Encystation-Specific Vesicle Morphology and Associating Molecular Markers. *Frontiers in cell and developmental biology*, 9, 662945.

Pipaliya SV, et al. (2021) Unexpected organellar locations of ESCRT machinery in Giardia intestinalis and complex evolutionary dynamics spanning the transition to parasitism in the lineage Fornicata. *BMC biology*, 19(1), 167.