

Resource Summary Report

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ApiDB ToxoDB

RRID:SCR_013453

Type: Tool

Proper Citation

ApiDB ToxoDB (RRID:SCR_013453)

Resource Information

URL: <http://toxodb.org/toxo/>

Proper Citation: ApiDB ToxoDB (RRID:SCR_013453)

Description: A genome and functional genomic database for the protozoan parasite *Toxoplasma gondii*. It incorporates the sequence and annotation of the *T. gondii* ME49 strain, as well as genome sequences for the GT1, VEG and RH (Chr Ia, Chr Ib) strains. Sequence information is integrated with various other genomic-scale data, including community annotation, ESTs, gene expression and proteomics data. Organisms * *Toxoplasma gondii* (ME49, RH, GT1, Veg strains) * *Neospora caninum* * environmental isolate sequences from numerous species Tools * BLAST: Identify Sequence Similarities * Sequence Retrieval: Retrieve Specific Sequences using IDs and coordinates * PubMed and Entrez: View the Latest *Toxoplasma*, *Neospora* Pubmed and Entrez Results * Genome Browser: View Sequences and Features in the genome browser * Ancillary Genome Browse: Access Additional info like Probeset data and *Toxoplasma* Array info

Abbreviations: ApiDB ToxoDB

Synonyms: *Toxoplasma* Genomics Resource, ToxoDB

Resource Type: data or information resource, database

Defining Citation: [PMID:18003657](https://pubmed.ncbi.nlm.nih.gov/18003657/), [PMID:12519989](https://pubmed.ncbi.nlm.nih.gov/12519989/)

Keywords: end-sequencing, bac clone, data mining tool, microarray, proteomic sequencing, *toxoplasma gondii*, bac clone, 8x random shotgun, genomic sequencing project, snp, qtl, sequencing, genomic, non-vertebrate, unicellular, eukaryote, genome, pathogen, toxoplasmosis, bio.tools, FASEB list

Funding: NIAID contract HHSN266200400037C

Resource Name: ApiDB ToxoDB

Resource ID: SCR_013453

Alternate IDs: nif-0000-03572, biotools:toxodb

Alternate URLs: <https://bio.tools/toxodb>

Old URLs: <http://ToxoDB.org>

Record Creation Time: 20220129T080316+0000

Record Last Update: 20250429T055607+0000

Ratings and Alerts

No rating or validation information has been found for ApiDB ToxoDB.

No alerts have been found for ApiDB ToxoDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 134 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Charital S, et al. (2024) The acyl-CoA synthetase TgACS1 allows neutral lipid metabolism and extracellular motility in *Toxoplasma gondii* through relocation via its peroxisomal targeting sequence (PTS) under low nutrient conditions. *mBio*, 15(4), e0042724.

Gennari SM, et al. (2024) A population study of *Toxoplasma gondii* in the Amazon region expands current knowledge of the genetic diversity in South America. *PLoS neglected tropical diseases*, 18(12), e0012737.

Feitosa TF, et al. (2024) Genetic diversity of *Toxoplasma gondii* in goats and sheep from the Northeast Region of Brazil destined for human consumption. *Current research in parasitology & vector-borne diseases*, 5, 100163.

Nan H, et al. (2024) Identification and function characterization of NcAP2XII-4 in *Neospora caninum*. *Parasites & vectors*, 17(1), 392.

Dong H, et al. (2024) The *Toxoplasma* monocarboxylate transporters are involved in the metabolism within the apicoplast and are linked to parasite survival. *eLife*, 12.

Yi XL, et al. (2024) Seroprevalence and molecular detection of *Toxoplasma gondii* and *Neospora caninum* in beef cattle and goats in Hunan province, China. *Parasites & vectors*, 17(1), 195.

Zhang Y, et al. (2024) A novel mRNA vaccine, TGGT1_278620 mRNA-LNP, prolongs the survival time in BALB/c mice with acute toxoplasmosis. *Microbiology spectrum*, 12(1), e0286623.

Amorim da Silva R, et al. (2024) Isolation and genetic characterization of *Toxoplasma gondii* from chickens from public markets in Pernambuco State, Brazil. *Current research in parasitology & vector-borne diseases*, 6, 100207.

Yin D, et al. (2023) Protein Lactylation and Metabolic Regulation of the Zoonotic Parasite *Toxoplasma gondii*. *Genomics, proteomics & bioinformatics*, 21(6), 1163.

Castillo-Cuenca JC, et al. (2023) Seroprevalence and genetic characterization of *Toxoplasma gondii* in domestic pigs intended for human consumption in Cuba. *Zoonoses and public health*, 70(2), 125.

Wilde ML, et al. (2023) Characterisation of the OTU domain deubiquitinase complement of *Toxoplasma gondii*. *Life science alliance*, 6(6).

Piva MM, et al. (2022) Outbreak of toxoplasmosis associated with muscular lesions in finishing pigs caused by an atypical *Toxoplasma gondii* genotype. *Revista brasileira de parasitologia veterinaria = Brazilian journal of veterinary parasitology : Orgao Oficial do Colegio Brasileiro de Parasitologia Veterinaria*, 31(4), e011622.

Zhang Y, et al. (2022) Toxoplasmosis vaccines: what we have and where to go? *NPJ vaccines*, 7(1), 131.

Nzulu IN, et al. (2021) Detection and genetic characterisation of *Toxoplasma gondii* circulating in free-range chickens, pigs and seropositive pregnant women in Benue state, Nigeria. *PLoS neglected tropical diseases*, 15(6), e0009458.

Deiró AGJ, et al. (2021) Presence of atypical genotypes of *Toxoplasma gondii* isolated from cats in the state of Bahia, Northeast of Brazil. *PloS one*, 16(10), e0253630.

Farhat S, et al. (2021) Rapid protein evolution, organellar reductions, and invasive intronic elements in the marine aerobic parasite dinoflagellate *Amoebophrya* spp. *BMC biology*, 19(1), 1.

Cabral AD, et al. (2021) Occurrence and diversity of Sarcocystidae protozoa in muscle and

brain tissues of bats from São Paulo state, Brazil. International journal for parasitology. Parasites and wildlife, 14, 91.

Giorda F, et al. (2021) Evidence for Unknown Sarcocystis-Like Infection in Stranded Striped Dolphins (*Stenella coeruleoalba*) from the Ligurian Sea, Italy. Animals : an open access journal from MDPI, 11(5).

Dass S, et al. (2021) Toxoplasma LIPIN is essential in channeling host lipid fluxes through membrane biogenesis and lipid storage. Nature communications, 12(1), 2813.

Rompikuntal PK, et al. (2021) Blocking Palmitoylation of Toxoplasma gondii Myosin Light Chain 1 Disrupts Glideosome Composition but Has Little Impact on Parasite Motility. mSphere, 6(3).