

# Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

## 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](#), [PMID: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:** r3d100012266, biotools:toxodb, nif-0000-03572

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

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

**Record Creation Time:** 20220129T080316+0000

**Record Last Update:** 20260829T183042+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 153 mentions in open access literature.

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

Tian X, et al. (2026) The role of TgEfhc3 in Toxoplasma gondii biology and its prospects as a subunit vaccine. Parasites & vectors, 19(1).

Gurupwar R, et al. (2026) Parasite-specific essential bromodomain protein TgBDP4 is a key epigenetic reader and a potential drug target for the parasite Toxoplasma gondii. The Journal of biological chemistry, 302(7), 113160.

Vanni I, et al. (2026) Exploring the repertoire of rhomboid proteases in Cryptosporidium parvum parasite: phylogenesis, structural motifs, and cellular localization in sporozoite cells. Frontiers in cellular and infection microbiology, 16, 1733450.

Silva EMC, et al. (2026) Bivalve mollusks as sentinels: Molecular detection of Toxoplasma gondii on Maranh??o Island in northeastern Brazil. International journal for parasitology. Parasites and wildlife, 30, 101241.

Su W, et al. (2025) A novel YGGT family protein is localized in the apicoplast and is essential for the organelle inheritance. Frontiers in cellular and infection microbiology, 15, 1642716.

Lu XS, et al. (2025) Molecular Prevalence and Genotyping of Toxoplasma gondii in Sheep Tissues Intended for Human Consumption in Shanxi Province, North China. Animals : an open access journal from MDPI, 15(12).

Aswale KR, et al. (2025) RNA triphosphatase-mediated mRNA capping is essential for maintaining transcript homeostasis and the survival of *Toxoplasma gondii*. *Nature communications*, 16(1), 5452.

Kashyap P, et al. (2025) Deletion of splicing factor Cdc5 in *Toxoplasma* disrupts transcriptome integrity, induces abortive bradyzoite formation, and prevents acute infection in mice. *Nature communications*, 16(1), 3769.

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.

Wang F, et al. (2024) Construction of luciferase-expressing *Neospora caninum* and drug screening. *Parasites & vectors*, 17(1), 118.

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.

Vilela VLR, et al. (2024) An abortion storm in a goat farm in the Northeast Region of Brazil was caused by the atypical *Toxoplasma gondii* genotype #13. *Current research in parasitology & vector-borne diseases*, 5, 100157.

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.

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.

Dini FM, et al. (2024) Multiple Typing Approach to Characterize *Toxoplasma gondii* Strains from Captive and Livestock Species in Northern Italy Suggests the Circulation of Type-II Variants. *Animals : an open access journal from MDPI*, 14(24).

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.

Li C, et al. (2024) *Toxoplasma* sortilin interacts with secretory proteins and it is critical for parasite proliferation. *Parasites & vectors*, 17(1), 105.

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.