Resource Summary Report

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TGD

RRID:SCR_012803
Type: Tool

Proper Citation

TGD (RRID:SCR_012803)

Resource Information

URL: http://ciliate.org/index.php/home/welcome

Proper Citation: TGD (RRID:SCR_012803)

Description: TGD Wiki is a user-updatable database of information about the Tetrahymena thermophila genome sequence determined at The Institute for Genomic Research (TIGR). TGD Wiki provides information on the genome, genes, and proteins of Tetrahymena collected from the scientific literature, research community and many other resources. In order to keep the information in our database as current as possible, we will soon be inviting the members of the Tetrahymena community to add and update these annotations to reflect published research. TGD Wiki currently offers the following features: * Free, unrestricted read access to all available data * Sequence and annotation data for 24,725 genes (TIGR v.2008) * GBrowse genome browser with links to and from each gene page (TIGR v.2006) * BLAST searching of the TIGR gene models and genome sequence (TIGR v.2006) Tetrahymena Genome Database (TGD) Wiki began in 2004 at Stanford University using the schema and programs of its parent project, Saccharomyces Genome Database. TGD Wiki is now a collaboration between Bradley University, Stanford University, and Cornell University. As we begin TGD Wiki at its new home at Bradley University, the TGD Wiki database contains the following data from TGD: * Gene Names and Aliases * Gene Descriptions * Gene Ontology (GO) Annotations * Homologs (similar genes in selected organisms) * Protein Domains * Associated Literature * Paragraphs (longer, free-text descriptions of gene function, structure, and significance) * Coding and Protein Sequences We have updated the following fields to match the newest gene model sequences (TIGR v.2008): Coding and Protein Sequences, Protein Domains and Gene Descriptions. We will also be recalculating the GO Annotations (IEA evidence code) and Homologs as part of our effort to keep the annotations in TGD Wiki as current as possible. We will be relying on members of the Tetrahymena community to maintain high-quality, updated annotations in the remainder of the fields using our annotation interface. Also setting up new database superdb - for unpublished data Look at Ciliate.org for news on this and other new databases

Abbreviations: TGD, TGD LOCUS, TGD REF

Synonyms: TGD REF, Tetrahymena Genome Database, TGD Wiki, TGD LOCUS, Tetrahymena Genome Database Wiki

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

Keywords: ciliate

Funding: NIH

Resource Name: TGD

Resource ID: SCR_012803

Alternate IDs: nlx_75432

Record Creation Time: 20220129T080312+0000

Record Last Update: 20260829T182422+0000

Ratings and Alerts

No rating or validation information has been found for TGD.

No alerts have been found for TGD.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Zhao W, et al. (2024) Genome assembly of a symbiotic balantidia (Balantidium ctenopharyngodoni) in fish hindgut. Scientific data, 11(1), 323.

Edamatsu M, et al. (2020) Development of an expression system in Tetrahymena inner arm dyneins and motile properties of the single-headed subspecies (Dyh8p and Dyh12p). Biochemical and biophysical research communications, 523(1), 253.

de Vanssay A, et al. (2020) The Paramecium histone chaperone Spt16-1 is required for Pgm endonuclease function in programmed genome rearrangements. PLoS genetics, 16(7), e1008949.

Iwamoto M, et al. (2019) Identification of the evolutionarily conserved nuclear envelope proteins Lem2 and MicLem2 in Tetrahymena thermophila. Gene: X, 1, 100006.

Yang W, et al. (2019) Tetrahymena Comparative Genomics Database (TCGD): a community resource for Tetrahymena. Database : the journal of biological databases and curation, 2019.

Ye Q, et al. (2019) Induction of oxidative stress, apoptosis and DNA damage by koumine in Tetrahymena thermophila. PloS one, 14(2), e0212231.

Iwamoto M, et al. (2019) Identification of the evolutionarily conserved nuclear envelope proteins Lem2 and MicLem2 in Tetrahymena thermophila. Gene, 721S, 100006.

Edamatsu M, et al. (2018) Functional characterization of lethal P-loop mutations in Tetrahymena outer arm dynein (Dyh3p). Biochemical and biophysical research communications, 496(4), 1382.

Sparvoli D, et al. (2018) Remodeling the Specificity of an Endosomal CORVET Tether Underlies Formation of Regulated Secretory Vesicles in the Ciliate Tetrahymena thermophila. Current biology : CB, 28(5), 697.

Iwamoto M, et al. (2017) Compositionally distinct nuclear pore complexes of functionally distinct dimorphic nuclei in the ciliate Tetrahymena. Journal of cell science, 130(10), 1822.

Edamatsu M, et al. (2017) Establishment of a mutation system in Tetrahymena outer arm dynein and P-loop functions of the alpha heavy chain (Dyh3p). Biochemical and biophysical research communications, 483(1), 24.

Edamatsu M, et al. (2014) Motor domain-based motility system and motile properties of alpha heavy chain in Tetrahymena outer arm dynein. Biochemical and biophysical research communications, 453(3), 595.

Edamatsu M, et al. (2014) The functional expression and motile properties of recombinant outer arm dynein from Tetrahymena. Biochemical and biophysical research communications, 447(4), 596.

Gonzalez NH, et al. (2011) A single peroxisomal targeting signal mediates matrix protein import in diatoms. PloS one, 6(9), e25316.