

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

B2086 II

RRID:TSC_SD01625

Type: Organism

Proper Citation

RRID:TSC_SD01625

Organism Information

URL: <https://sites.wustl.edu/tetrahymena/finding-strains/>

Proper Citation: RRID:TSC_SD01625

Description: Tetrahymena thermophila with name B2086 II from TSC.

Species: Tetrahymena thermophila

Notes: All three B2086 clones were used extensively for crosses in the Frankel lab in the late 1980's and 1990's. Submitted by Joseph Frankel, University of Iowa

Catalog Number: SD01625

Background: mat1-2/mat1-2 (mat1-2, II)

Database: TSC, Tetrahymena Stock Center

Database Abbreviation: TSC

Source References: [PMID:8253268](#)

Organism Name: B2086 II

Record Creation Time: 20230308T214034+0000

Record Last Update: 20260905T173624+0000

Ratings and Alerts

No rating or validation information has been found for B2086 II.

No alerts have been found for B2086 II.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: TSC, Tetrahymena Stock Center

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Lian Y, et al. (2022) Histone Chaperone Nrp1 Mutation Affects the Acetylation of H3K56 in Tetrahymena thermophila. Cells, 11(3).

Lian Y, et al. (2021) The histone chaperone Nrp1 is required for chromatin stability and nuclear division in Tetrahymena thermophila. Epigenetics & chromatin, 14(1), 34.

Lv H, et al. (2021) Characterization of Cystathionine γ -Synthase TtCbs1 and Cysteine Synthase TtCsa1 Involved in Cysteine Biosynthesis in Tetrahymena thermophila. The Journal of eukaryotic microbiology, 68(2), e12834.

Nabeel-Shah S, et al. (2021) Functional characterization of RebL1 highlights the evolutionary conservation of oncogenic activities of the RBBP4/7 orthologue in Tetrahymena thermophila. Nucleic acids research, 49(11), 6196.

Lv H, et al. (2021) Identification and functional analysis of the mitochondrial cysteine synthase TtCsa2 from Tetrahymena thermophila. Journal of cellular biochemistry, 122(12), 1817.

Bo T, et al. (2021) Atg5 Regulates Selective Autophagy of the Parental Macronucleus during Tetrahymena Sexual Reproduction. Cells, 10(11).

Üstüntanır Dede AF, et al. (2020) Construction and dynamic characterization of a Tetrahymena thermophila macronuclear artificial chromosome. Gene, 748, 144697.

Tian M, et al. (2020) Spatial constraints on chromosomes are instrumental to meiotic pairing. Journal of cell science, 133(22).

Tian M, et al. (2019) Non-coding RNA Transcription in Tetrahymena Meiotic Nuclei Requires Dedicated Mediator Complex-Associated Proteins. Current biology : CB, 29(14), 2359.

Ashraf K, et al. (2019) Proteomic Analysis of Histones H2A/H2B and Variant Hv1 in Tetrahymena thermophila Reveals an Ancient Network of Chaperones. Molecular biology and evolution, 36(5), 1037.

Saettone A, et al. (2018) The bromodomain-containing protein Ibd1 links multiple chromatin-related protein complexes to highly expressed genes in Tetrahymena thermophila. Epigenetics & chromatin, 11(1), 10.

Cheng CY, et al. (2016) The piggyBac transposon-derived genes TPB1 and TPB6 mediate essential transposon-like excision during the developmental rearrangement of key

genes in *Tetrahymena thermophila*. *Genes & development*, 30(24), 2724.

Carle CM, et al. (2016) A Parallel G Quadruplex-Binding Protein Regulates the Boundaries of DNA Elimination Events of *Tetrahymena thermophila*. *PLoS genetics*, 12(3), e1005842.

Xu Q, et al. (2016) The key role of CYC2 during meiosis in *Tetrahymena thermophila*. *Protein & cell*, 7(4), 236.

Xu J, et al. (2015) Chromodomain protein Tcd1 is required for macronuclear genome rearrangement and repair in *Tetrahymena*. *Scientific reports*, 5, 10243.

Akematsu T, et al. (2014) Role of class III phosphatidylinositol 3-kinase during programmed nuclear death of *Tetrahymena thermophila*. *Autophagy*, 10(2), 209.

Tian M, et al. (2014) Phosphoproteomic analysis of protein phosphorylation networks in *Tetrahymena thermophila*, a model single-celled organism. *Molecular & cellular proteomics : MCP*, 13(2), 503.

Lukaszewicz A, et al. (2013) Mus81 nuclease and Sgs1 helicase are essential for meiotic recombination in a protist lacking a synaptonemal complex. *Nucleic acids research*, 41(20), 9296.

Xu J, et al. (2013) Localization and functional analysis of HmgB3p, a novel protein containing high-mobility-group-box domain from *Tetrahymena thermophila*. *Gene*, 526(2), 87.

Xu J, et al. (2012) The zinc finger protein Zfr1p is localized specifically to conjugation junction and required for sexual development in *Tetrahymena thermophila*. *PLoS one*, 7(12), e52799.