Resource Summary Report

Generated by RRID on May 25, 2025

Tetrahymena Stock Center

RRID:SCR_008362
Type: Tool

Proper Citation

Tetrahymena Stock Center (RRID:SCR_008362)

Resource Information

URL: https://tetrahymena.vet.cornell.edu/

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Description: Centralized repository and distribution site for variety of Tetrahymena strains and species. Maintains diverse array of wild type, mutant, and genetically engineered strains of T. thermophila, the most commonly used laboratory species, and variety of other species derived from both laboratory maintained stocks and wild isolates. All stocks are stored in liquid nitrogen to maintain genetic integrity and prevent senescence. In addition to providing worldwide access to strains currently in collection, TSC continually upgrades collection by accepting deposition of newly developed laboratory strains and well characterized wild isolates collected from clearly defined natural sites.

Abbreviations: TSC

Synonyms: Resource Center For Tetrahymena Thermophila

Resource Type: material resource, biomaterial supply resource

Keywords: RIN, Resource Information Network, eukaryota, genetics, biology, cell, cellular, culture, model, molecular, protozoan, repository, research, tetrahymena thermophila

Funding: NIH Office of the Director P40 OD010964

Resource Name: Tetrahymena Stock Center

Resource ID: SCR_008362

Alternate IDs: nif-0000-25476

Old URLs: http://vivo.cornell.edu/individual/vivo/individual27605

Record Creation Time: 20220129T080247+0000

Record Last Update: 20250525T032506+0000

Ratings and Alerts

No rating or validation information has been found for Tetrahymena Stock Center.

No alerts have been found for Tetrahymena Stock Center.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 83 mentions in open access literature.

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

Ye F, et al. (2025) Comprehensive genome annotation of the model ciliate Tetrahymena thermophila by in-depth epigenetic and transcriptomic profiling. Nucleic acids research, 53(2).

Duan L, et al. (2025) Methyl-dependent auto-regulation of the DNA N6-adenine methyltransferase AMT1 in the unicellular eukaryote Tetrahymena thermophila. Nucleic acids research, 53(3).

Sheng Y, et al. (2024) Semiconservative transmission of DNA N 6-adenine methylation in a unicellular eukaryote. Genome research, 34(5), 740.

Ma Y, et al. (2024) Cip1, a CDK regulator, determines heterothallic mating or homothallic selfing in a protist. Proceedings of the National Academy of Sciences of the United States of America, 121(13), e2315531121.

Cole ES, et al. (2024) The 'Janus A' gene encodes a polo-kinase whose loss creates a dorsal/ventral intracellular homeosis in the ciliate, Tetrahymena. bioRxiv : the preprint server for biology.

Hao H, et al. (2023) Independent and Complementary Functions of Caf1b and Hir1 for Chromatin Assembly in Tetrahymena thermophila. Cells, 12(24).

Nabeel-Shah S, et al. (2023) Multilevel interrogation of H3.3 reveals a primordial role in transcription regulation. Epigenetics & chromatin, 16(1), 10.

Fukuda Y, et al. (2022) Snf2 Proteins Are Required to Generate Gamete Pronuclei in Tetrahymena thermophila. Microorganisms, 10(12).

Qiao Y, et al. (2022) Identification and utilization of a mutated 60S ribosomal subunit coding gene as an effective and cost-efficient selection marker for Tetrahymena genetic manipulation. International journal of biological macromolecules, 204, 1.

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

Gotesman M, et al. (2022) Using a Hand-Held Gene Gun for Genetic Transformation of Tetrahymena thermophila. Methods in molecular biology (Clifton, N.J.), 2364, 349.

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.

Liu Y, et al. (2021) An Optimized and Versatile Counter-Flow Centrifugal Elutriation Workflow to Obtain Synchronized Eukaryotic Cells. Frontiers in cell and developmental biology, 9, 664418.

Rao Q, et al. (2021) Structures of outer-arm dynein array on microtubule doublet reveal a motor coordination mechanism. Nature structural & molecular biology, 28(10), 799.

Lv H, et al. (2021) Comparative transcriptome analysis uncovers roles of hydrogen sulfide for alleviating cadmium toxicity in Tetrahymena thermophila. BMC genomics, 22(1), 21.

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.

Sheng Y, et al. (2021) Case Study of the Response of N6-Methyladenine DNA Modification to Environmental Stressors in the Unicellular Eukaryote Tetrahymena thermophila. mSphere, 6(3), e0120820.

Junker AD, et al. (2021) Plastic cell morphology changes during dispersal. iScience, 24(8), 102915.

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).