Resource Summary Report

Generated by dkNET on Sep 6, 2026

CU427.4

RRID:TSC_SD00715
Type: Organism

Proper Citation

RRID:TSC_SD00715

Organism Information

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

Proper Citation: RRID:TSC_SD00715

Description: Tetrahymena thermophila with name CU427.4 from TSC.

Species: Tetrahymena thermophila

Notes: Cycloheximide resistance functional heterokaryon.Regenerated micronucleus from CU427.2 by "star" mating. Non-star side maintained.

Catalog Number: SD00715

Background: chx1-1/chx1-1 (CHX1; cy-s, VI)

Database: TSC, Tetrahymena Stock Center

Database Abbreviation: TSC

Source References: PMID:730051, PMID:689366, PMID:411713

Organism Name: CU427.4

Record Creation Time: 20230308T214042+0000

Record Last Update: 20260905T173635+0000

Ratings and Alerts

No rating or validation information has been found for CU427.4.

No alerts have been found for CU427.4.

Data and Source Information

Source: Integrated Animals

Source Database: TSC, Tetrahymena Stock Center

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Pinello JF, et al. (2024) Novel requirements for HAP2/GCS1-mediated gamete fusion in Tetrahymena. iScience, 27(6), 110146.

Cole ES, et al. (2023) The Tetrahymena bcd1 mutant implicates endosome trafficking in ciliate, cortical pattern formation. Molecular biology of the cell, 34(8), ar82.

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

Singleton AL, et al. (2021) Increasing temperature weakens the positive effect of genetic diversity on population growth. Ecology and evolution, 11(24), 17810.

Moerman F, et al. (2020) Evolution under pH stress and high population densities leads to increased density-dependent fitness in the protist Tetrahymena thermophila. Evolution; international journal of organic evolution, 74(3), 573.

Benz PM, et al. (2020) AKAP12 deficiency impairs VEGF-induced endothelial cell migration and sprouting. Acta physiologica (Oxford, England), 228(1), e13325.

Aijaz I, et al. (2019) Cheating, facilitation and cooperation regulate the effectiveness of phage-encoded exotoxins as antipredator molecules. MicrobiologyOpen, 8(2), e00636.

Zou D, et al. (2017) Behavioral Effects of a Chemorepellent Receptor Knockout Mutation in Tetrahymena thermophila. mSphere, 2(4).

Yale K, et al. (2016) Phosphorylation-Dependent Targeting of Tetrahymena HP1 to Condensed Chromatin. mSphere, 1(4).

Hamilton EP, et al. (2016) Structure of the germline genome of Tetrahymena thermophila and relationship to the massively rearranged somatic genome. eLife, 5.

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.

Yan GX, et al. (2016) Cdk3, a conjugation-specific cyclin-dependent kinase, is essential for the initiation of meiosis in Tetrahymena thermophila. Cell cycle (Georgetown, Tex.), 15(18), 2506.

Iwamoto M, et al. (2015) Biased assembly of the nuclear pore complex is required for somatic and germline nuclear differentiation in Tetrahymena. Journal of cell science,

128(9), 1812.

Fukuda Y, et al. (2015) Role of the Cytosolic Heat Shock Protein 70 Ssa5 in the Ciliate Protozoan Tetrahymena thermophila. The Journal of eukaryotic microbiology, 62(4), 481.

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

Phadke SS, et al. (2012) Is Evolution of Mating Preferences Inevitable? Random Mating in the Multisex System of Tetrahymena thermophila. International journal of evolutionary biology, 2012, 201921.

Stolfa G, et al. (2012) Entry and killing of Tetrahymena thermophila by bacterially produced Shiga toxin. mBio, 4(1), e00416.