Resource Summary Report

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CU428.2

RRID:TSC_SD00178
Type: Organism

Proper Citation

RRID:TSC_SD00178

Organism Information

URL: https://tetrahymena.vet.cornell.edu/display.php?stockid=SD00178

Proper Citation: RRID:TSC_SD00178

Description: Tetrahymena thermophila with name CU428.2 from TSC.

Species: Tetrahymena thermophila

Notes: 6-methylpurine resistance functional heterokaryon. Regenerated micronucleus from CU428.1 by "star" mating. Non-star side maintained.

Catalog Number: SD00178

Background: mpr1-1/mpr1-1 (MPR1; mp-s, VII)

Database: TSC, Tetrahymena Stock Center

Database Abbreviation: TSC

Organism Name: CU428.2

Ratings and Alerts

No rating or validation information has been found for CU428.2.

No alerts have been found for CU428.2.

Data and Source Information

Source: Integrated Animals

Source Database: TSC, Tetrahymena Stock Center

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

Sparvoli D, et al. (2022) An apical membrane complex for triggering rhoptry exocytosis and invasion in Toxoplasma. The EMBO journal, 41(22), e111158.

Üstüntan?r Dede AF, et al. (2021) The in vivo Tetrahymena thermophila extracellular glucose drop assay for characterization of mammalian insulin activity. European journal of protistology, 79, 125803.

Kar UP, et al. (2021) Cardiolipin targets a dynamin-related protein to the nuclear membrane. eLife, 10.

Al-Asadi S, et al. (2019) Characterization of the peroxiredoxin 1 subfamily from Tetrahymena thermophila. Cellular and molecular life sciences : CMLS, 76(23), 4745.

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.

Mickalide H, et al. (2019) Higher-Order Interaction between Species Inhibits Bacterial Invasion of a Phototroph-Predator Microbial Community. Cell systems, 9(6), 521.

Akematsu T, et al. (2018) Resistance to 6-Methylpurine is Conferred by Defective Adenine Phosphoribosyltransferase in Tetrahymena. Genes, 9(4).

Pillai AN, et al. (2017) An evolutionarily conserved phosphatidate phosphatase maintains lipid droplet number and endoplasmic reticulum morphology but not nuclear morphology. Biology open, 6(11), 1629.

Kaur H, et al. (2017) An endosomal syntaxin and the AP-3 complex are required for formation and maturation of candidate lysosome-related secretory organelles (mucocysts) in Tetrahymena thermophila. Molecular biology of the cell, 28(11), 1551.

Akematsu T, et al. (2017) Post-meiotic DNA double-strand breaks occur in Tetrahymena, and require Topoisomerase II and Spo11. eLife, 6.

Melancon E, et al. (2017) Best practices for germ-free derivation and gnotobiotic zebrafish husbandry. Methods in cell biology, 138, 61.

McDaniel SL, et al. (2016) DRH1, a p68-related RNA helicase gene, is required for chromosome breakage in Tetrahymena. Biology open, 5(12), 1790.

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.

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

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

Yang Q, et al. (2015) Depletion of UBC9 Causes Nuclear Defects during the Vegetative and Sexual Life Cycles in Tetrahymena thermophila. Eukaryotic cell, 14(12), 1240.

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.

Seixas C, et al. (2010) CCTalpha and CCTdelta chaperonin subunits are essential and required for cilia assembly and maintenance in Tetrahymena. PloS one, 5(5), e10704.

Bright LJ, et al. (2010) Comprehensive analysis reveals dynamic and evolutionary plasticity of Rab GTPases and membrane traffic in Tetrahymena thermophila. PLoS genetics, 6(10), e1001155.