

Resource Summary Report

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BMCG- ΔΔΔDCL1-63

RRID:TSC_SD01805

Type: Organism

Proper Citation

RRID:TSC_SD01805

Organism Information

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

Proper Citation: RRID:TSC_SD01805

Description: Tetrahymena thermophila with name BMCG- ΔΔΔDCL1-63 from TSC.

Species: Tetrahymena thermophila

Notes: ΔΔΔDCL1 homokaryon transformed with Bsr-MTT1-CNA1-GFP. CNA1-GFP seq. was used to replace MTT1 coding seq. Bsr1 cassette was inserted at the 5'ΔΔΔ™F seq. of MTT1 locus. The construct was transformed into mac. Thaw cells without drugs, then grow them in 60-100ug/ml blasticidin, Use 0.5-1 ug/ml cadmium chloride to express and see the green centromere. From the Gorovsky lab, University of Rochester. This strain has been cataloged by the Stock Center but not thawed.

Affected Gene: CNA1 (TTHERM_00146340), DCL1 (TTHERM_00284230)

Genomic Alteration: Micronucleus: DCL1 replaced by neo3 Macronucleus: CNA1 GFP tagged replaces MTT1 coding in MTT1 locus, bsr1 cassette in MTT1 5'ΔΔΔ™

Catalog Number: SD01805

Background: dcl1[ΔΔΔ↑?::neo3]/dcl1[ΔΔΔ↑?::neo3]
(dcl1[ΔΔΔ↑?::neo3]/dcl1[ΔΔΔ↑?::neo3]; MTT1/mtt1-?[5'ΔΔΔ™
bsr1,ΔΔΔ↑,(::CNA1), GFPc]; bsr-r, pm-r, GFP tagged Cna1p, ?)

Database: TSC, Tetrahymena Stock Center

Database Abbreviation: TSC

Source References: [PMID:15598983](#), [PMID:16738316](#)

Organism Name: BMCG- ΔΔΔDCL1-63

Record Creation Time: 20230308T214042+0000

Record Last Update: 20260905T173635+0000

Ratings and Alerts

No rating or validation information has been found for BMCG- Δ DCL1-63.

No alerts have been found for BMCG- Δ DCL1-63.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: TSC, Tetrahymena Stock Center

Usage and Citation Metrics

We have not found any literature mentions for this resource.