

Resource Summary Report

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AFS222

RRID:WB-STRAIN:WBStrain00000062

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00000062

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000062>

Proper Citation: RRID:WB-STRAIN:WBStrain00000062

Description: Caenorhabditis elegans with name zen-4(cle10) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: zen-4(cle10) IV.

Notes: Supplementary_genotype zen-4(cle10) IV|"Temperature-sensitive embryonic-lethal mutant. Maintain at 15C. Shift L4s to 25C overnight to observe mutant phenotype of embryos produced by adults. Mutants lack a central spindle during early embryonic mitosis and exhibits a late cytokinesis defect (cleavage furrows regress after ingressing in nearly to the center of dividing embryonic cells). This strain can be used for CRISPR-Cas9 co-conversion. There is a causal mis-sense mutation present in zen-4(cle10), GAC to AAC (D520N), and two silent mutations. One silent mutation is a CGA to CGG mutation at codon 523 that creates a recognition site for a Cas9 guide RNA, in order to use zen-4(cle10ts) as a CRISPR/Cas9 co-conversion marker. The other silent mutation is a GCA to GCT mutation at codon 519 that introduces an AluI site for RFLP analysis. Reference: Farboud B, et al. Genetics Early online November 30, 2018; https:"

Affected Gene: WBGene00006974(zen-4)

Genomic Alteration: WBGene00006974(zen-4)

Catalog Number: WB-STRAIN:WBStrain00000062

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37756590](#)

Alternate IDs: WB-STRAIN:AFS222, CGC_AFS222

Organism Name: AFS222

Record Creation Time: 20230227T013219+0000

Record Last Update: 20260725T171555+0000

Ratings and Alerts

No rating or validation information has been found for AFS222.

No alerts have been found for AFS222.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We have not found any literature mentions for this resource.