

Resource Summary Report

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CGC45

RRID:WB-STRAIN:WBStrain00004976

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00004976

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00004976>

Proper Citation: RRID:WB-STRAIN:WBStrain00004976

Description: Caenorhabditis elegans with name unc-4(e120)/mT1 [umnIs34] II; mT1 [dpy-10(e128)]/dpy-17(e164) III. from WB.

Species: Caenorhabditis elegans

Synonyms: unc-4(e120)/mT1 [umnIs34] II; mT1 [dpy-10(e128)]/dpy-17(e164) III.

Notes: umnIs34 [myo-2p::GFP + NeoR, III: 8856215 (intergenic)] II. Heterozygotes are wild-type GFP+, and segregate wild-type GFP+, DpyUnc non-GFP, sterile Dpy GFP+ mT1 homozygotes, and large numbers of arrested aneuploid embryos. Maintain by picking wild-type GFP+ and check for correct segregation of progeny to maintain. Derived by insertion of myo-2p::GFP transgene into mT1 balancer in parental strain DR1832 using CRISPR/Cas9.

Affected Gene: WBGene00001072(dpy-10)|WBGene00001076(dpy-17)|WBGene00006744(unc-4)

Genomic Alteration: WBGene00001072(dpy-10), WBGene00001076(dpy-17), WBGene00006744(unc-4)

Catalog Number: WB-STRAIN:WBStrain00004976

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:CGC45, CGC_CGC45

Organism Name: CGC45

Record Creation Time: 20230227T013256+0000

Record Last Update: 20260808T170805+0000

Ratings and Alerts

No rating or validation information has been found for CGC45.

No alerts have been found for CGC45.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Clemens E, et al. (2025) Cap-adjacent 2'-O-ribose methylation of RNA in *C. elegans* is required for postembryonic growth and germline development in the presence of the decapping exonuclease EOL-1. bioRxiv : the preprint server for biology.