

Resource Summary Report

Generated by [ASWG](#) on Jul 30, 2026

[goa-1\(n499\)/tmC20 \[unc-14\(tmIs1219\) dpy-5\(tm9715\)\]](#)

[I.](#)

RRID:WB-STRAIN:WBStrain00050646

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00050646

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00050646>

Proper Citation: RRID:WB-STRAIN:WBStrain00050646

Description: Caenorhabditis elegans with name goa-1(n499)/tmC20 [unc-14(tmIs1219) dpy-5(tm9715)] I. from WB.

Species: Caenorhabditis elegans

Synonyms: goa-1(n499)/tmC20 [unc-14(tmIs1219) dpy-5(tm9715)] I.

Notes: This strain is difficult and time consuming to maintain. Gives relatively few heterozygotes. Homozygous lethal mutation balanced by Dpy- and myo-2p::Venus-marked inversion. Heterozygotes are paralyzed Unc and Egl with relatively dim pharyngeal GFP (Venus) expression. Heterozygotes segregate heterozygous non-Dpy GFP+ paralyzed Unc and Egl, non-GFP embryonic lethal (homozygous n499), and Dpy with brighter GFP+ (tmC20 homozygous). Remove Dpy from plate to prevent them from taking over. Heterozygotes tend to stack up in parallel clumps. Populations can be enriched by transferring these clumps to new plates and allowing Dpy (tmC20 homozygotes) to crawl out into bacterial lawn, and then picking away Dpy or transferring the clump of Hets to another plate. Derived by balancing n499 from parental strain MT1102 over tmC20 from FX30179.

Affected Gene: WBGene00001067(dpy-5)|WBGene00001648(goa-1)|WBGene00006753(unc-14)

Genomic Alteration: WBGene00001067(dpy-5), WBGene00001648(goa-1), WBGene00006753(unc-14)

Catalog Number: WB-STRAIN:WBStrain00050646

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: goa-1(n499)/tmC20 [unc-14(tm1s1219) dpy-5(tm9715)] I.

Record Creation Time: 20230227T013841+0000

Record Last Update: 20260725T172722+0000

Ratings and Alerts

No rating or validation information has been found for goa-1(n499)/tmC20 [unc-14(tm1s1219) dpy-5(tm9715)] I..

No alerts have been found for goa-1(n499)/tmC20 [unc-14(tm1s1219) dpy-5(tm9715)] I..

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.