

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

[unc-116\(udn45\)/qC1 \[dpy-19\(e1259\) glp-1\(q339\)\] nls189 III.](#)

RRID:WB-STRAIN:WBStrain00052048

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00052048

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00052048>

Proper Citation: RRID:WB-STRAIN:WBStrain00052048

Description: Caenorhabditis elegans with name unc-116(udn45)/qC1 [dpy-19(e1259) glp-1(q339)] nls189 III. from WB.

Species: Caenorhabditis elegans

Synonyms: unc-116(udn45)/qC1 [dpy-19(e1259) glp-1(q339)] nls189 III.

Notes: Made_by: UDN Screening Center|"nls189 [myo-2::GFP] integrated in or near qC1. No recombination seen between nls189 and qC1; fails to complement all markers on qC1. Pick wild-type GFP+ to maintain. Heterozygotes are slightly dumpy GFP+ (pharynx), and segregate wild-type GFP+ heterozygotes, Dpy Sterile GFP+, and non-GFP udn45 homozygotes (larval arrest). Variant edit allele T90I. TspRI restriction site created by synonymous changes for ease of genotyping."|"nls189 [myo-2::GFP] integrated in or near qC1. No recombination seen between nls189 and qC1; fails to complement all markers on qC1. Pick slightly dumpy GFP+ to maintain. Heterozygotes are slightly dumpy GFP+ (pharynx), and segregate slightly dumpy GFP+ heterozygotes, Dpy Sterile GFP+ (qC1 homozygotes), non-GFP udn45 homozygotes (early larval arrest and Unc), and a few slow-growing wild-type looking or thin GFP+ heterozygotes. These thin GFP+ animals give rise to almost exclusively GFP+ progeny; a possible interaction between unb45 and qC1 is suspected. Variant edit allele T90I. TspRI restriction site created by synonymous changes for ease of genotyping."|"Supplementary_genotype unc-116(udn45)/qC1 [dpy-19(e1259) glp-1(q339)] nls189 III|"Variant-edited allele T90I #2."

Affected Gene: WBGene00001078(dpy-19)|WBGene00001609(glp-1)|WBGene00006840(unc-116)

Genomic Alteration: WBGene00001078(dpy-19), WBGene00001609(glp-1), WBGene00006840(unc-116)

Catalog Number: WB-STRAIN:WBStrain00052048

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:37934770](#)

Organism Name: unc-116(udn45)/qC1 [dpy-19(e1259) glp-1(q339)] nls189 III.

Record Creation Time: 20230227T013851+0000

Record Last Update: 20260905T115718+0000

Ratings and Alerts

No rating or validation information has been found for unc-116(udn45)/qC1 [dpy-19(e1259) glp-1(q339)] nls189 III..

No alerts have been found for unc-116(udn45)/qC1 [dpy-19(e1259) glp-1(q339)] nls189 III..

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 [NIF](#) .

Marom R, et al. (2023) Dominant negative variants in KIF5B cause osteogenesis imperfecta via down regulation of mTOR signaling. PLoS genetics, 19(11), e1011005.