

Resource Summary Report

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nmy-2(ne3409) I; nmy-1(mc90[nmy-1::gfp]) X.

RRID:WB-STRAIN:WBStrain00062755

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00062755

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00062755>

Proper Citation: RRID:WB-STRAIN:WBStrain00062755

Description: Caenorhabditis elegans with name nmy-2(ne3409) I; nmy-1(mc90[nmy-1::gfp]) X. from WB.

Species: Caenorhabditis elegans

Synonyms: nmy-2(ne3409) I; nmy-1(mc90[nmy-1::gfp]) X.

Notes: Maintain at 15C. nmy-2(ne3409) allele induces embryonic lethality (cytokinesis defective) at 25C. nmy-1(mc90) allele induces almost complete sterility at 25C. mc90 is a CRISPR-engineered mutation in nmy-1 at the position corresponding to the allele nmy-2(ne3409) changing NMY-2 Leucine-981 to Proline, which is conserved among nonmuscle myosins. mc90 was introduced in parental strain ML2540, which carries a GFP-tag in the endogenous nmy-1 locus. Reference: Molnar K, et al. Genetics. 2024 Sep 4;228(1):iyae109. doi: 10.1093/genetics/iyae109. PMID: 39053622.

Affected Gene: WBGene00003776(nmy-1)|WBGene00003777(nmy-2)

Genomic Alteration: WBGene00003776(nmy-1), WBGene00003777(nmy-2)

Catalog Number: WB-STRAIN:WBStrain00062755

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: nmy-2(ne3409) I; nmy-1(mc90[nmy-1::gfp]) X.

Record Creation Time: 20250827T213348+0000

Record Last Update: 20260725T173004+0000

Ratings and Alerts

No rating or validation information has been found for nmy-2(ne3409) I; nmy-1(mc90[nmy-1::gfp]) X..

No alerts have been found for nmy-2(ne3409) I; nmy-1(mc90[nmy-1::gfp]) X..

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.