

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

[unc-5\(lib1\[myo-3p::GFP\(-\) + unc-119\(+\)+ myo-2p::GFP\(Mos1\)\]\) IV; krls14 V.](#)

RRID:WB-STRAIN:WBStrain00049003

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049003

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049003>

Proper Citation: RRID:WB-STRAIN:WBStrain00049003

Description: Caenorhabditis elegans with name unc-5(lib1[myo-3p::GFP(-) + unc-119(+)+ myo-2p::GFP(Mos1)]) IV; krls14 V. from WB.

Species: Caenorhabditis elegans

Synonyms: unc-5(lib1[myo-3p::GFP(-) + unc-119(+)+ myo-2p::GFP(Mos1)]) IV; krls14 V.

Notes: Generated from afp_otherstrain Paper data WBPaper000612001.|"krls14 [hsp-16.48p::MosTransposase + lin-15(+)+ unc-122p::GFP] V. Recessive Unc. unc-5(lib1) is a CRISPR/Cas9 engineered mutant carrying the Intersister/Intrachromatid Repair Assay (ICR Assay) cassette inserted into the endogenous unc-5 locus. Briefly, ICR assay cassette includes two tandem GFP cassettes: the upstream using the myo-3 (body wall) promoter with a truncated GFP coding sequence, and the down-stream using the myo-2 (pharynx) promoter with GFP coding sequence interrupted by a Mos1 Drosophila transposon. Excision of Mos1 yields a single DSB, which if repaired by intersister or intrachromatid recombination, then will yield GFP+ progeny. The krls14 insertion carrying heat-shock inducible Mos1 transposase is marked with coelomocyte GFP expression. Reference: Toraason E, et al. Current Biology 2021. <https://doi.org/10.1016/j.cub.2021.08.001> Made_by: Marissa Glover"

Affected Gene: WBGene00003514(myo-2)|WBGene00003515(myo-3)|WBGene00006745(unc-5)|WBGene00006843(unc-119)

Genomic Alteration: WBGene00003514(myo-2), WBGene00003515(myo-3), WBGene00006745(unc-5), WBGene00006843(unc-119)

Catalog Number: WB-STRAIN:WBStrain00049003

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:33740427](#), [PMID:39115289](#)

Organism Name: unc-5(lib1[myo-3p::GFP(-) + unc-119(+)+ myo-2p::GFP(Mos1)]) IV; krls14 V.

Record Creation Time: 20230227T013829+0000

Record Last Update: 20260829T162704+0000

Ratings and Alerts

No rating or validation information has been found for unc-5(lib1[myo-3p::GFP(-) + unc-119(+)+ myo-2p::GFP(Mos1)]) IV; krls14 V..

No alerts have been found for unc-5(lib1[myo-3p::GFP(-) + unc-119(+)+ myo-2p::GFP(Mos1)]) IV; krls14 V..

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.