

Resource Summary Report

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Ism-8 (xe17[myo-2p::mCherry::unc-54 3'UTR]) IV/nT1 [qls51] (IV;V); pkIs1582 V/nT1 [qls51] (IV;V).

RRID:WB-STRAIN:WBStrain00050683

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00050683

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00050683>

Proper Citation: RRID:WB-STRAIN:WBStrain00050683

Description: Caenorhabditis elegans with name Ism-8 (xe17[myo-2p::mCherry::unc-54 3'UTR]) IV/nT1 [qls51] (IV;V); pkIs1582 V/nT1 [qls51] (IV;V). from WB.

Species: Caenorhabditis elegans

Synonyms: Ism-8 (xe17[myo-2p::mCherry::unc-54 3'UTR]) IV/nT1 [qls51] (IV;V); pkIs1582 V/nT1 [qls51] (IV;V).

Notes: Made_by: Florian Aeschlimann|"pkIs1582 [let-858::GFP + rol-6(su1006)] V. Homozygous lethal Ism-8 deletion balanced by GFP-marked nT1 translocation. xe17 generated by CRISPR/Cas9-engineered replacement of the gene with a red pharyngeal marker. Ism-8 heterozygotes are wild-type (will roll in this case because of pkIs1582) green & red pharynx, and will segregate rolling heterozygotes (green & red pharynx), arrested nT1[qls51] aneuploids (only green pharynx), and Ism-8 homozygotes (only red pharynx). Homozygous nT1[qls51] inviable. Pick rollers with green & red pharynx and check for correct segregation of progeny to maintain. Reference: Mattout A, et al. Nat Cell Biol. 2020 May;22(5):579-590. PMID: 32251399"

Affected Gene: WBGene00003082(Ism-8)|WBGene00003514(myo-2)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00003082(Ism-8), WBGene00003514(myo-2), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00050683

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: lsm-8 (xe17[myo-2p::mCherry::unc-54 3'UTR]) IV/nT1 [qls51] (IV;V); pkIs1582 V/nT1 [qls51] (IV;V).

Record Creation Time: 20230227T013842+0000

Record Last Update: 20260815T163725+0000

Ratings and Alerts

No rating or validation information has been found for lsm-8 (xe17[myo-2p::mCherry::unc-54 3'UTR]) IV/nT1 [qls51] (IV;V); pkIs1582 V/nT1 [qls51] (IV;V)..

No alerts have been found for lsm-8 (xe17[myo-2p::mCherry::unc-54 3'UTR]) IV/nT1 [qls51] (IV;V); pkIs1582 V/nT1 [qls51] (IV;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.