

Resource Summary Report

Generated by [kravitz2](#) on Sep 5, 2026

[+/szT1 \[lon-2\(e678\) umnIs61\] I; T20B5.2\(ve651\[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP\]\)/szT1 X.](#)

RRID:WB-STRAIN:WBStrain00049390

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00049390

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00049390>

Proper Citation: RRID:WB-STRAIN:WBStrain00049390

Description: Caenorhabditis elegans with name +/szT1 [lon-2(e678) umnIs61] I; T20B5.2(ve651[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/szT1 X. from WB.

Species: Caenorhabditis elegans

Synonyms: +/szT1 [lon-2(e678) umnIs61] I; T20B5.2(ve651[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/szT1 X.

Notes: Made_by: RG KO Group|"umnIs61 [myo-2p::mKate2 + NeoR, X: 15420938 (intergenic)] I. Homozygotes are unhealthy. Deletion of 5228 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break in parental strain N2. Heterozygotes are wild-type GFP+ mKate2+, and segregate wild-type GFP+ mKate2+, GFP+ non-mKate2 sickly adults (ve651 homozygotes), Lon non-GFP mKate2+ males (szT1 hemizygotes), and dead eggs (szT1 homozygotes and aneuploids). Maintain by picking wild-type GFP+ mKate2+. Left flanking Sequence: aaggggagggaaacagttgaggacttttg ; Right flanking sequence: GAATGCGCATACTTGATGGAAAACCCGCTC. sgRNA #1: aacagttgaggacttttggt; sgRNA #2: ATCAAGTATGCGCATTCGCT. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

Affected Gene: WBGene00003056(lon-2)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)

Genomic Alteration: WBGene00003056(lon-2), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54)

Catalog Number: WB-STRAIN:WBStrain00049390

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: +/-szT1 [lon-2(e678) umnIs61] I; T20B5.2(ve651[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/szT1 X.

Record Creation Time: 20230227T013832+0000

Record Last Update: 20260905T115641+0000

Ratings and Alerts

No rating or validation information has been found for +/-szT1 [lon-2(e678) umnIs61] I; T20B5.2(ve651[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/szT1 X..

No alerts have been found for +/-szT1 [lon-2(e678) umnIs61] I; T20B5.2(ve651[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/szT1 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.