

Resource Summary Report

Generated by ASWG on Aug 29, 2026

lite-1(xu492) X.

RRID:WB-STRAIN:WBStrain00051067

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00051067

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00051067>

Proper Citation: RRID:WB-STRAIN:WBStrain00051067

Description: Caenorhabditis elegans with name lite-1(xu492) X. from WB.

Species: Caenorhabditis elegans

Synonyms: lite-1(xu492) X.

Notes: Light sensation defect; loss of light sensation. lite-1(xu492) is a 2701 bp deletion generated by CRISPR/Cas9-based gene editing using the Fire Lab protocol (Arribere et al., 2014). Left flanking sequence: 5' CGTAAAAACAACATGCCACCAC Right flanking sequence: 5' GCGGGCCACCTACGCCAGTA. Primer sequences used to detect the deletion: Forward (flanking): 5' GAAGAAAAGGCGGTGCAAAC; Reverse (flanking): 5' GAAGCAACAAGACGATCTCC; Forward (internal): 5' ATGATCGCAAAAATCCTGTGCGAGTC. Wild-type product: 1972 bp; xu492 product: 1475 bp; both bands should be visible if heterozygous. Reference: Zhang W, et al. PLoS Genet. 2020 Dec 10;16(12):e1009257. doi: 10.1371/journal.pgen.1009257. eCollection 2020 Dec.

Affected Gene: WBGene00001803(lite-1)

Genomic Alteration: WBGene00001803(lite-1)

Catalog Number: WB-STRAIN:WBStrain00051067

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: lite-1(xu492) X.

Record Creation Time: 20230227T013844+0000

Record Last Update: 20260815T163733+0000

Ratings and Alerts

No rating or validation information has been found for lite-1(xu492) X..

No alerts have been found for lite-1(xu492) 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.