

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 31, 2026

LX645

RRID:WB-STRAIN:WBStrain00026369

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00026369

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00026369>

Proper Citation: RRID:WB-STRAIN:WBStrain00026369

Description: Caenorhabditis elegans with name dop-1(vs100) X. from WB.

Species: Caenorhabditis elegans

Synonyms: dop-1(vs100) X.

Notes: 328 bp deletion which completely removes exons 8 and 9. The first 22 bp deleted are: cgtagtcccccttttaaatt.|"Mutagen:TMP+UV"|"Mutagen:TMP/UV"|"WBStrain mapped, WBPaper00059778 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060969 added based on AFP_Strain data."

Affected Gene: WBGene00001052(dop-1)

Genomic Alteration: WBGene00001052(dop-1)

Catalog Number: WB-STRAIN:WBStrain00026369

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32510332](#), [PMID:33524034](#), [PMID:37416472](#), [PMID:37431892](#), [PMID:38338915](#), [PMID:39369984](#)

Alternate IDs: WB-STRAIN:LX645, CGC_LX645

Organism Name: LX645

Record Creation Time: 20230227T013537+0000

Record Last Update: 20260829T161951+0000

Ratings and Alerts

No rating or validation information has been found for LX645.

No alerts have been found for LX645.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

McMillen A, et al. (2025) Dopaminergic Modulation of Short-Term Associative Memory in *Caenorhabditis elegans*. *Journal of neurochemistry*, 169(8), e70200.

Ali Nasser R, et al. (2023) Early-life experience reorganizes neuromodulatory regulation of stage-specific behavioral responses and individuality dimensions during development. *eLife*, 12.