

Resource Summary Report

Generated by [dkNET](#) on Aug 8, 2026

LX704

RRID:WB-STRAIN:WBStrain00026375

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00026375

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00026375>

Proper Citation: RRID:WB-STRAIN:WBStrain00026375

Description: Caenorhabditis elegans with name dop-2(vs105) V; dop-3(vs106) X. from WB.

Species: Caenorhabditis elegans

Synonyms: dop-2(vs105) V; dop-3(vs106) X.

Notes: WBStrain mapped, WBPaper00059778 added based on AFP_Strain data.

Affected Gene: WBGene00001053(dop-2)|WBGene00020506(dop-3)

Genomic Alteration: WBGene00001053(dop-2), WBGene00020506(dop-3)

Catalog Number: WB-STRAIN:WBStrain00026375

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32510332](#), [PMID:37155851](#)

Alternate IDs: WB-STRAIN:LX704, CGC_LX704

Organism Name: LX704

Record Creation Time: 20230227T013537+0000

Record Last Update: 20260801T171713+0000

Ratings and Alerts

No rating or validation information has been found for LX704.

No alerts have been found for LX704.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

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

Bastien BL, et al. (2024) nlr-1/CNTNAP regulates dopamine circuit structure and foraging behaviors in *C. elegans*. *Communications biology*, 7(1), 1248.

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

Ji H, et al. (2023) A proprioceptive feedback circuit drives *Caenorhabditis elegans* locomotor adaptation through dopamine signaling. *Proceedings of the National Academy of Sciences of the United States of America*, 120(20), e2219341120.