

Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

CX4

RRID:WB-STRAIN:WBStrain00005213

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005213

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005213>

Proper Citation: RRID:WB-STRAIN:WBStrain00005213

Description: Caenorhabditis elegans with name odr-7(ky4) X. from WB.

Species: Caenorhabditis elegans

Synonyms: odr-7(ky4) X.

Notes: odr-7 mutants fail to respond to odorants sensed by the AWA neurons.|"Supplementary_genotype odr-7(ky04)"

Affected Gene: WBGene00003854(odr-7)

Genomic Alteration: WBGene00003854(odr-7)

Catalog Number: WB-STRAIN:WBStrain00005213

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:8001144](#), [PMID:37258276](#), [PMID:38421867](#), [PMID:38448519](#)

Alternate IDs: WB-STRAIN:CX4, CGC_CX4

Organism Name: CX4

Record Creation Time: 20230227T013258+0000

Record Last Update: 20260801T171137+0000

Ratings and Alerts

No rating or validation information has been found for CX4.

No alerts have been found for CX4.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Xue W, et al. (2025) Calcium levels in ASER neurons determine behavioral valence by engaging distinct neuronal circuits in *C. elegans*. *Nature communications*, 16(1), 1814.

Brown VE, et al. (2025) The AWC OFF neuron is important for attraction to 1-butanol in *Caenorhabditis elegans*. *microPublication biology*, 2025.

Suryawinata N, et al. (2024) Dietary *E. coli* promotes age-dependent chemotaxis decline in *C. elegans*. *Scientific reports*, 14(1), 5529.

Cheng W, et al. (2023) Multiple Receptors Contribute to the Attractive Response of *Caenorhabditis elegans* to Pathogenic Bacteria. *Microbiology spectrum*, 11(1), e0231922.

McLachlan IG, et al. (2022) Diverse states and stimuli tune olfactory receptor expression levels to modulate food-seeking behavior. *eLife*, 11.

Wang J, et al. (2016) The Anaphase-Promoting Complex (APC) ubiquitin ligase affects chemosensory behavior in *C. elegans*. *PeerJ*, 4, e2013.