

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

CX2065

RRID:WB-STRAIN:WBStrain00005220

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005220

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005220>

Proper Citation: RRID:WB-STRAIN:WBStrain00005220

Description: Caenorhabditis elegans with name odr-1(n1936) X. from WB.

Species: Caenorhabditis elegans

Synonyms: odr-1(n1936) X.

Notes: Defective chemotaxis to some volatile odorants: benzaldehyde, 2-butanone, isoamyl alcohol. [NOTE: the n1936 mutation is a G-to-A substitution at the end of the second exon (donor site). N2: 5'AGTTGAGGTAATTCA3'. n1936: 5'AGTTGAGATAATTCA3'. Recommended sequencing primers: FWD 5'gcaggagctcacatcggtta3'; REV 5'ttggaatcacatcctgcatga3'.]

Affected Gene: WBGene00003848(odr-1)

Genomic Alteration: WBGene00003848(odr-1)

Catalog Number: WB-STRAIN:WBStrain00005220

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:8348618](#), [PMID:21173231](#), [PMID:36652499](#), [PMID:38302462](#)

Alternate IDs: WB-STRAIN:CX2065, CGC_CX2065

Organism Name: CX2065

Record Creation Time: 20230227T013258+0000

Record Last Update: 20260725T171704+0000

Ratings and Alerts

No rating or validation information has been found for CX2065.

No alerts have been found for CX2065.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Dai W, et al. (2025) Different concentrations of 2-Undecanone triggers repellent and nematicidal responses in *Caenorhabditis elegans*. Scientific reports, 15(1), 14186.

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.

Marogi JG, et al. (2024) *Pseudomonas aeruginosa* modulates both *Caenorhabditis elegans* attraction and pathogenesis by regulating nitrogen assimilation. Nature communications, 15(1), 7927.

Cheng H, et al. (2021) Molecular Strategies for Intensity-Dependent Olfactory Processing in *Caenorhabditis elegans*. Frontiers in molecular neuroscience, 14, 748214.

O'Halloran DM, et al. (2012) Changes in cGMP levels affect the localization of EGL-4 in AWC in *Caenorhabditis elegans*. PloS one, 7(2), e31614.