

# Resource Summary Report

Generated by [nidm-terms](#) on Aug 11, 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:** 20260808T170809+0000

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## Ratings and Alerts

No rating or validation information has been found for CX2065.

No alerts have been found for CX2065.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

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.

Chen L, et al. (2023) Investigation into the communication between unheated and heat-stressed *Caenorhabditis elegans* via volatile stress signals. Scientific reports, 13(1), 3225.

Pu L, et al. (2023) Hypoxia induces food leaving in *C. elegans*. microPublication biology, 2023.

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.