

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

CB1112

RRID:WB-STRAIN:WBStrain00004246

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00004246

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00004246>

Proper Citation: RRID:WB-STRAIN:WBStrain00004246

Description: Caenorhabditis elegans with name cat-2(e1112) II. from WB.

Species: Caenorhabditis elegans

Synonyms: cat-2(e1112) II.

Notes: Associated protein: Putative tyrosine hydroxylase|"Catecholamine absent. Recessive. M-MATING+++ 10-30%WT. See also WBPaper00003844."|"Made_by: Sulston J"|"Supplementary_genotype cat-2(e1112)"|"WBStrain provided so WBPaper00061917 paper added based on AFP_Strain data."

Affected Gene: WBGene00000296(cat-2)

Genomic Alteration: WBGene00000296(cat-2)

Catalog Number: WB-STRAIN:WBStrain00004246

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:240872](#), [PMID:31797327](#), [PMID:34517863](#), [PMID:36653384](#), [PMID:37119137](#), [PMID:37155851](#), [PMID:37416472](#), [PMID:37431892](#), [PMID:37728328](#), [PMID:38338915](#), [PMID:39212733](#), [PMID:39329779](#)

Alternate IDs: WB-STRAIN:CB1112, CGC_CB1112

Organism Name: CB1112

Record Creation Time: 20230227T013251+0000

Record Last Update: 20260815T162331+0000

Ratings and Alerts

No rating or validation information has been found for CB1112.

No alerts have been found for CB1112.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

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

Li G, et al. (2025) A gut-brain-gut axis orchestrates host responses counteracting microbiome-induced iron insufficiency. *The EMBO journal*, 44(24), 7590.

Bhat US, et al. (2025) FLP-15 functions through the GPCR NPR-3 to regulate local and global search behaviours in *Caenorhabditis elegans*. *bioRxiv : the preprint server for biology*.

Clark AS, et al. (2024) Morphological hallmarks of dopaminergic neurodegeneration are associated with altered neuron function in *Caenorhabditis elegans*. *Neurotoxicology*, 100, 100.

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

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

Thapliyal S, et al. (2023) Multisite regulation integrates multimodal context in sensory circuits to control persistent behavioral states in *C. elegans*. *Nature communications*, 14(1), 3052.

Yu J, et al. (2023) Parallel pathways for serotonin biosynthesis and metabolism in *C. elegans*. *Nature chemical biology*, 19(2), 141.

Fok A, et al. (2023) High-fidelity encoding of mechanostimuli by tactile food-sensing neurons requires an ensemble of ion channels. *Cell reports*, 42(5), 112452.

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

Clark AS, et al. (2023) Morphological hallmarks of dopaminergic neurodegeneration are associated with altered neuron function in *Caenorhabditis elegans*. *bioRxiv : the preprint server for biology*.

Liu J, et al. (2023) GABAergic signaling between enteric neurons and intestinal smooth muscle promotes innate immunity and gut defense in *Caenorhabditis elegans*. *Immunity*, 56(7), 1515.

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.

Schwartz EKC, et al. (2021) Serotonin and Dopamine Mimic Glucose-Induced Reinforcement in *C. elegans*: Potential Role of NSM Neurons and the Serotonin Subtype 4 Receptor. *Frontiers in physiology*, 12, 783359.