

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

CB4856

RRID:WB-STRAIN:WBStrain00004602

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00004602

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00004602>

Proper Citation: RRID:WB-STRAIN:WBStrain00004602

Description: Caenorhabditis elegans with name EMPTY from WB.

Species: Caenorhabditis elegans

Synonyms: EMPTY

Notes: Isolated from a pineapple field in Hawaii in 1972 by L. Hollen. Wild type. Low copy Tc1; pattern IX. C. elegans wild isolate. CB subclone of HA-8 (Tc1 pattern IX). See also WBPaper00005369. [NOTE (4-2014): Users reported abnormalities in CB4856 in late 2013 and early 2014. The current working stock at the CGC was thawed in 2-2014 from stock frozen in 1995.]|"Made_by: Hollen L|"Reference WBPaper00056884 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058717 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059179 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059294 added based on published strain data identified by Textpresso literature search."|"Supplementary_genotype|"Supplementary_genotype Hawaiiin|"WBStrain mapped, WBPaper00060431 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060602 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061125 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061410 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061444 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061452 added based on AFP_Strain data."|"WBStrain provided so WBPaper00059223 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060105 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060484 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060613 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061063 paper added based on AFP_Strain data."|"WBStrain provided so

WBPaper00061243 paper added based on AFP_Strain data."|"WBStrain provided so
WBPaper00061246 paper added based on AFP_Strain data."|"WBStrain provided so
WBPaper00061289 paper added based on AFP_Strain data."|"WBStrain provided so
WBPaper00061297 paper added based on AFP_Strain data."|"WBStrain provided so
WBPaper00061466 paper added based on AFP_Strain data."|"WBStrain provided so
WBPaper00061653 paper added based on AFP_Strain data."|"WBStrain provided so
WBPaper00061877 paper added based on AFP_Strain data."|"WBStrain provided so
WBPaper00062064 paper added based on AFP_Strain data."

Catalog Number: WB-STRAIN:WBStrain00004602

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:9136008](#), [PMID:11779843](#), [PMID:12410303](#), [PMID:15598130](#),
[PMID:16955112](#), [PMID:17196041](#), [PMID:17203010](#), [PMID:17335351](#), [PMID:17339204](#),
[PMID:17704085](#), [PMID:18505880](#), [PMID:18524955](#), [PMID:18993077](#), [PMID:19150845](#),
[PMID:20002199](#), [PMID:20088888](#), [PMID:22301316](#), [PMID:25995208](#), [PMID:31182018](#),
[PMID:31422888](#), [PMID:31624276](#), [PMID:31960906](#), [PMID:31988193](#), [PMID:32049015](#),
[PMID:32550482](#), [PMID:32518061](#), [PMID:32796008](#), [PMID:33005884](#), [PMID:33016879](#),
[PMID:33034119](#), [PMID:33157031](#), [PMID:33175833](#), [PMID:33593818](#), [PMID:33693840](#),
[PMID:33820969](#), [PMID:33827942](#), [PMID:33983439](#), [PMID:34040027](#), [PMID:34084768](#),
[PMID:34237064](#), [PMID:34534386](#), [PMID:34698211](#), [PMID:37058288](#), [PMID:37099597](#),
[PMID:37170380](#), [PMID:37198172](#), [PMID:37221008](#), [PMID:37548405](#), [PMID:37561720](#),
[PMID:37572357](#), [PMID:37624117](#), [PMID:37643243](#), [PMID:37603562](#), [PMID:37641865](#),
[PMID:37729202](#), [PMID:37751046](#), [PMID:37777524](#), [PMID:37865119](#), [PMID:37917003](#),
[PMID:37956108](#), [PMID:37985670](#), [PMID:38302462](#), [PMID:38320757](#), [PMID:38413743](#),
[PMID:38466732](#), [PMID:38478633](#), [PMID:38486337](#), [PMID:38570505](#), [PMID:38564369](#),
[PMID:38538795](#), [PMID:38963038](#), [PMID:39303031](#), [PMID:39368088](#), [PMID:39554805](#),
[PMID:39439404](#), [PMID:39460939](#)

Alternate IDs: WB-STRAIN:CB4856, CGC_CB4856

Organism Name: CB4856

Record Creation Time: 20230227T013253+0000

Record Last Update: 20260815T162338+0000

Ratings and Alerts

No rating or validation information has been found for CB4856.

No alerts have been found for CB4856.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Zheng H, et al. (2026) Two parallel neuronal circuits involving electrical synapse and DAF-7/TGF- β signaling regulate muscle autophagy in *C. elegans*. *Developmental cell*.

Varandas KC, et al. (2025) Glia detect and transiently protect against dendrite substructure disruption in *C. elegans*. *Nature communications*, 16(1), 79.

Waddell BM, et al. (2025) Mutant alleles of the *Caenorhabditis elegans* rde-1 gene identified through chemical mutagenesis of an snRNA misprocessing reporter. *G3* (Bethesda, Md.), 15(7).

Wang S, et al. (2025) Asymmetric partitioning of persistent paternal mitochondria during cell divisions safeguards embryo development and mitochondrial inheritance. *Developmental cell*, 60(12), 1730.

Haskell D, et al. (2025) Variation in Social Feeding Behaviors and Interactions Among *Caenorhabditis* Nematodes. *Ecology and evolution*, 15(11), e72522.

Almoril-Porras A, et al. (2025) Configuration of electrical synapses filters sensory information to drive behavioral choices. *Cell*, 188(1), 89.

Zhao R, et al. (2025) CaMK modulates sensory neural activity to control longevity and proteostasis. *Proceedings of the National Academy of Sciences of the United States of America*, 122(20), e2423428122.

D H, et al. (2025) Variation in social feeding behavior and interactions among *Caenorhabditis* nematodes. *bioRxiv : the preprint server for biology*.

Tintori SC, et al. (2025) A multigenerational population-growth assay to capture subtle fitness phenotypes in *C. elegans* and other nematodes. *Genetics*, 230(2).

Neves ARR, et al. (2025) Crossovers are regulated by a conserved and disordered synaptonemal complex domain. *Nucleic acids research*, 53(4).

Geetha SS, et al. (2025) Bloom helicase contributes to successful crossover formation with both catalytic and structural roles in *Caenorhabditis elegans* meiosis. *Nucleic acids research*, 53(19).

Shi J, et al. (2024) Identification of BiP as a temperature sensor mediating temperature-induced germline sex reversal in *C. elegans*. *The EMBO journal*, 43(18), 4020.

Gao AW, et al. (2024) High-content phenotypic analysis of a *C. elegans* recombinant inbred population identifies genetic and molecular regulators of lifespan. *bioRxiv : the preprint server for biology*.

Gutnik S, et al. (2024) Multiplex DNA fluorescence in situ hybridization to analyze maternal vs. paternal *C. elegans* chromosomes. *Genome biology*, 25(1), 71.

Antkowiak KR, et al. (2024) A nematode model to evaluate microdeletion phenotype expression. *G3 (Bethesda, Md.)*, 14(2).

Puri D, et al. (2023) Muscleblind-1 interacts with tubulin mRNAs to regulate the microtubule cytoskeleton in *C. elegans* mechanosensory neurons. *PLoS genetics*, 19(8), e1010885.

Hiramatsu F, et al. (2023) Kin-recognition and predation shape collective behaviors in the cannibalistic nematode *Pristionchus pacificus*. *PLoS genetics*, 19(12), e1011056.

Santos J, et al. (2023) Microbes are potential key players in the evolution of life histories and aging in *Caenorhabditis elegans*. *Ecology and evolution*, 13(9), e10537.

Hu Y, et al. (2023) Casein kinase 1 gamma regulates oxidative stress response via interacting with the NADPH dual oxidase complex. *PLoS genetics*, 19(4), e1010740.

Cahoon CK, et al. (2023) Sexual dimorphic regulation of recombination by the synaptonemal complex in *C. elegans*. *eLife*, 12.