

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

N2

RRID:WB-STRAIN:WBStrain00000001

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00000001

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000001>

Proper Citation: RRID:WB-STRAIN:WBStrain00000001

Description: *Caenorhabditis elegans* with name *Caenorhabditis elegans* wild isolate. from WB.

Species: *Caenorhabditis elegans*

Synonyms: *Caenorhabditis elegans* wild isolate.

Notes: *C. elegans* var Bristol. Generation time is about 3 days. Brood size is about 350. Also CGC reference 257. Isolated from mushroom compost near Bristol, England by L.N. Staniland. Cultured by W.L. Nicholas, identified to genus by Gunther Osche and species by Victor Nigon; subsequently cultured by C.E. Dougherty. Given to Sydney Brenner ca. 1966. Subcultured by Don Riddle in 1973. *Caenorhabditis elegans* wild isolate. DR subclone of CB original (Tc1 pattern I). *C. elegans* var Bristol. Generation time is about 3 days. Brood size is about 350. Also CGC reference 257. Isolated from mushroom compost near Bristol, England by L.N. Staniland. Cultured by W.L. Nicholas, identified to genus by Gunther Osche and species by Victor Nigon; subsequently cultured by C.E. Dougherty. Given to Sydney Brenner ca. 1966. Subcultured by Don Riddle in 1973. *Caenorhabditis elegans* wild isolate. DR subclone of CB original (Tc1 pattern I). [NOTE: This stock might carry a ~1.8 kb deletion in *alh-2* in the background. (UPDATE: 03/26/2018 - a user reported the stock they received was homozygous for the *alh-2*(ot588) mutation.)] *C. elegans* var Bristol. Generation time is about 3 days. Brood size is about 350. Also CGC reference 257. Isolated from mushroom compost near Bristol, England by L.N. Staniland. Cultured by W.L. Nicholas, identified to genus by Gunther Osche and species by Victor Nigon; subsequently cultured by C.E. Dougherty. Given to Sydney Brenner ca. 1966. Subcultured by Don Riddle in 1973. *Caenorhabditis elegans* wild isolate. DR subclone of CB original (Tc1 pattern I). [NOTE: This stock might carry a ~1.8 kb deletion in *alh-2* in the background.] *Reference WBPaper00055815 added based on published strain data identified by Textpresso literature search.* *Reference WBPaper00056552 added based*

on published strain data identified by Textpresso literature search."|"Reference WBPaper00056729 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00056839 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00056884 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00056919 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00056921 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00057117 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00057197 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00057236 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00057259 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00057289 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00057312 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058621 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058626 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058640 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058667 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 WBPaper00058750 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058810 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058832 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058851 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059068 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059172 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 WBPaper00059256 added based on published strain data identified by Textpresso literature search."|"WT C. elegans. From Cambridge collection-originally frozen around 1968: In 1980, in order to establish an ancestral stock, Jonathan Hodgkin thawed one of the earliest frozen tubes of N2, dating from 1968. From this plate J.H. grew up a population en masse (without subculturing) on NGM plates (about 2 generations). Multiple samples of this were frozen in order to provide a reference N2 stock. This set of stock samples was replenished by regrowth in 1985 and 1991, using the same procedure, and a freshly thawed sample was sent to the CGC in 1993. Thus, samples from this frozen stock, called N2 (ancestral), should be only about 6 generations away from the stock used by Sydney Brenner as his standard WT N2. [Isolated from mushroom compost near Bristol, England by L.N. Staniland. Cultured by W.L. Nicholas, identified to genus by Gunther Osche and species by Victor Nigon; subsequently cultured by C.E. Dougherty. Given to Sydney Brenner ca. 1966.] Caenorhabditis elegans wild isolate. Note: N2 (ancestral) has reduced lifespan and fertility relative to the standard CGC N2 strains. See Worm Breeder's Gazette 16(5): 24 (February 1,2001)."

Catalog Number: WB-STRAIN:WBStrain00000001

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:4366476](#), [PMID:9741632](#), [PMID:12186849](#), [PMID:16256736](#), [PMID:17472752](#), [PMID:18409080](#), [PMID:18993077](#), [PMID:20599902](#), [PMID:20595232](#), [PMID:21304598](#), [PMID:21368137](#), [PMID:21415309](#), [PMID:21642964](#), [PMID:21892924](#), [PMID:21893079](#), [PMID:22148238](#), [PMID:22301316](#), [PMID:22446320](#), [PMID:22718972](#), [PMID:22862955](#), [PMID:24278030](#), [PMID:25554789](#), [PMID:25849533](#), [PMID:26112394](#), [PMID:26241504](#), [PMID:26976437](#), [PMID:32550339](#), [PMID:27881675](#), [PMID:30489010](#), [PMID:32550469](#), [PMID:30955935](#), [PMID:32550478](#), [PMID:31053883](#), [PMID:31162948](#), [PMID:31182018](#), [PMID:31220273](#), [PMID:31223636](#), [PMID:31326018](#), [PMID:31409866](#), [PMID:32550434](#), [PMID:31450086](#), [PMID:31432005](#), [PMID:31485018](#), [PMID:31440537](#), [PMID:31510078](#), [PMID:31331055](#), [PMID:30963762](#), [PMID:31577950](#), [PMID:31624276](#), [PMID:31645584](#), [PMID:31700560](#), [PMID:31704915](#), [PMID:31717869](#), [PMID:31998863](#), [PMID:31917826](#), [PMID:33543001](#), [PMID:31960906](#), [PMID:32010481](#), [PMID:32550506](#), [PMID:32550518](#), [PMID:32550517](#), [PMID:32728664](#), [PMID:33005884](#), [PMID:33005881](#), [PMID:33313486](#), [PMID:33274318](#), [PMID:33274320](#), [PMID:34423280](#), [PMID:34377962](#), [PMID:34532702](#), [PMID:34585102](#), [PMID:34693216](#), [PMID:34723151](#), [PMID:35622518](#), [PMID:36060031](#), [PMID:37008729](#), [PMID:37069949](#), [PMID:37065769](#), [PMID:37325193](#), [PMID:37746065](#), [PMID:38371322](#), [PMID:38545437](#), [PMID:38571512](#), [PMID:38660564](#), [PMID:38764945](#), [PMID:39185016](#), [PMID:39650082](#), [PMID:39882098](#), [PMID:39916877](#), [PMID:40027526](#), [PMID:40114851](#), [PMID:40161437](#), [PMID:40191444](#), [PMID:40438139](#), [PMID:40485984](#), [PMID:40547382](#), [PMID:40535527](#)

Alternate IDs: WB-STRAIN:N2, CGC_N2

Organism Name: N2

Record Creation Time: 20230227T013218+0000

Record Last Update: 20260815T162227+0000

Ratings and Alerts

No rating or validation information has been found for N2.

No alerts have been found for N2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1302 mentions in open access literature.

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

Kim J, et al. (2026) SOD1 deficiency drives ferroptosis-linked oxidative and reproductive aging, mitigated by ginseng root extract. *GeroScience*, 48(2), 1649.

El Ghali R, et al. (2026) Sanguinarine activates ATM/ATR-mediated CHK-1 signaling to drive p53-dependent apoptosis in the *C. elegans* germline. *Scientific reports*, 16(1).

Sandkuhler SE, et al. (2026) Cross-species evaluation of TANGO2 homologs, including HRG-9 and HRG-10 in *Caenorhabditis elegans*, challenges a proposed role in heme trafficking. *eLife*, 14.

Zoberman M, et al. (2026) Variant identification and genotyping strategy for the smg-1(r861) allele in *Caenorhabditis elegans*. *microPublication biology*, 2026.

Gremme A, et al. (2026) Consequences of iron exposure and glutathione depletion on redox balance, lipidome, and neurotransmission in *C. elegans*. *Redox biology*, 90, 104023.

Niedworok P, et al. (2026) BCL-11 enables adaptive stress responses to environmental challenges. *iScience*, 29(2), 114422.

Ghali RE, et al. (2026) Sanguinarine activates ATM/ATR-mediated CHK-1 signaling to drive p53-dependent apoptosis in the *C. elegans* germline. *bioRxiv : the preprint server for biology*.

Lacour A, et al. (2026) Cytoplasmic TDP-43 leads to early behavioral impairments without neurodegeneration in a serotonergic neuron-specific *C. elegans* model. *Scientific reports*, 16(1), 6068.

Wang Y, et al. (2026) Endocytic protein AP180 assembly domain regulates synaptic vesicle size and release in *Caenorhabditis elegans*. *PLoS biology*, 24(2), e3003643.

Gibney TV, et al. (2026) Polarized SOS activity orchestrates FGF-directed cell migration in vivo. *Current biology : CB*, 36(8), 1977.

Shepard CD, et al. (2026) Polyphyletic screen defines distinct classes of plant-derived natural products that oppose tauopathy. *Life science alliance*, 9(2).

Thapa BV, et al. (2026) Identification of an uncharacterized gene as a mitochondrial methionine tRNA synthetase in *Caenorhabditis elegans*. *G3 (Bethesda, Md.)*, 16(2).

Khalid A, et al. (2026) Kinesin-1 trans-synaptically regulates synaptic localization of SARM1 for asymmetric neuron diversification. *bioRxiv : the preprint server for biology*.

Clay KJ, et al. (2026) Atypical tetracyclines promote longevity and ferroptotic neuroprotection via translation attenuation. *bioRxiv : the preprint server for biology*.

Fisher K, et al. (2026) Transcriptome- and phenotype-based epistasis analysis in *Caenorhabditis elegans* reveals daf-16/FoxO-dependent and independent effects of daf-2/InsR in L1 starvation and recovery. *G3 (Bethesda, Md.)*, 16(3).

Belfi AC, et al. (2026) Opposing roles for lipocalins and a CD36 family scavenger receptor in apical extracellular matrix-dependent protection of narrow tube integrity. *Development* (Cambridge, England), 153(16).

Radovi?? U, et al. (2026) Forward genetics identifies cuticle and regulatory genes underlying cellular boundary integrity in *C. elegans*. *G3* (Bethesda, Md.), 16(6).

Tan JH, et al. (2026) Quantifying metabolites using structure-switching aptamers coupled to DNA sequencing. *Nature biotechnology*, 44(1), 60.

Lambie EJ, et al. (2026) Fluorescent protein tagging of *C. elegans* core apoptosis pathway components reveals mitochondrial localization of CED-9 Bcl-2, CED-4 Apaf1 and CED-3 Caspase in non-apoptotic and apoptotic cells. *Cell death and differentiation*, 33(1), 15.

Ji Z, et al. (2026) A genetically encoded ionic-stress sensor reveals protons as a sleep driver. *bioRxiv* : the preprint server for biology.