

Resource Summary Report

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N2_(ancestral)

RRID:WB-STRAIN:WBStrain00000003

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00000003

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00000003>

Proper Citation: RRID:WB-STRAIN:WBStrain00000003

Description: *Caenorhabditis elegans* with name C. elegans wild type (ancestral). from WB.

Species: *Caenorhabditis elegans*

Synonyms: C. elegans wild type (ancestral).

Notes: 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).| "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:WBStrain00000003

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:26208319](#)

Alternate IDs: WB-STRAIN:N2_(ancestral)

Organism Name: N2_(ancestral)

Record Creation Time: 20230227T013218+0000

Record Last Update: 20260815T162227+0000

Ratings and Alerts

No rating or validation information has been found for N2_(ancestral).

No alerts have been found for N2_(ancestral).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1062 mentions in open access literature.

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

Ahsan FM, et al. (2026) Reductive death is averted by a conserved de novo lipogenic switch. *Molecular cell*, 86(13), 2539.

John NS, et al. (2026) Genetic mutations in GLP-1/Notch pathway reveal distinct mechanisms of Notch signaling in germline stem cell regulation. *Biology open*, 15(2).

Stošić O, et al. (2026) Comparative Study of the Effects of Carvacrol and p-Cymene on the Motor Activity of Rats and Movement of *Caenorhabditis elegans*. *Molecules (Basel,*

Switzerland), 31(7).

Villena-Giménez A, et al. (2026) Cosmic silence and viral noise: transcriptomic crosstalk in *Caenorhabditis elegans* under simulated space conditions. *Frontiers in microbiology*, 17, 1781245.

Sheeler CA, et al. (2026) A neuropeptide regulates cell non-autonomous protein homeostasis. *Cell reports*, 45(4), 117207.

Liu J, et al. (2026) Induction and regulation of reversible suspended animation in *C. elegans*. *Nature communications*, 17(1).

Shi L, et al. (2026) D-pinitol extends the lifespan of *Caenorhabditis elegans* through integrated antioxidant defense, proteostasis, and autophagy signaling. *npj aging*, 12(1).

Hong Y, et al. (2026) Paclitaxel-induced germline DNA-damage signatures independent of mismatch repair in *C. elegans*. *Frontiers in pharmacology*, 17, 1717152.

Bush ZD, et al. (2026) High-resolution global recombination mapping in *C. elegans* reveals sexual dimorphisms shaped by meiotic chromosomal features and structures. *bioRxiv : the preprint server for biology*.

Biswas K, et al. (2026) Transcriptional responses to chronic oxidative stress require cholinergic activation of G-protein-coupled receptor signaling. *eLife*, 14.

Mühlemeyer F, et al. (2026) Strevertene A, a *Streptomyces*-Derived Macrolide, Reveals Selective Activity against the Human Parasite *Schistosoma mansoni*. *ACS omega*, 11(22), 33061.

Bergemann CM, et al. (2026) Progeny effects of rotenone exposure depend on parental toxicity. *Toxicological sciences : an official journal of the Society of Toxicology*, 209(3).

Wang X, et al. (2026) A new set of combinatorial dimeric codes for nuclear hormone receptor-target gene specificity. *Nucleic acids research*, 54(3).

Wang YH, et al. (2026) Dynamic RNA Polymerase compartments organize the transcription of gene clusters. *bioRxiv : the preprint server for biology*.

Coakley S, et al. (2026) An epidermal membrane-associated periodic skeleton restricts endocytosis to stabilize neuron-epidermal attachment and preserve axons. *Science advances*, 12(2), eadz4762.

Mialon M, et al. (2026) A trans-synaptic IgLON adhesion molecular complex directly contacts and clusters a nicotinic receptor. *Nature communications*, 17(1), 1404.

Jiang WI, et al. (2026) Conserved lipid metabolic reprogramming confers hypoxic and aging resilience. *EMBO reports*, 27(3), 704.

Rashid S, et al. (2026) Widespread intron retention and exon skipping characterise alternative splicing changes in a *C. elegans* model of spinal muscular atrophy. *Human molecular genetics*, 35(2).

Hwang H, et al. (2026) Maternal age modulates progeny social behavior via a small RNA-neuropeptide axis. *bioRxiv : the preprint server for biology*.

Han J, et al. (2026) Analysis of Nematode Ventral Nerve Cords Suggests Multiple Instances of Evolutionary Changes to Neuron Number. *Evolution & development*, 28(2), e70037.