

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

IB16

RRID:WB-STRAIN:WBStrain00008608

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00008608

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00008608>

Proper Citation: RRID:WB-STRAIN:WBStrain00008608

Description: Caenorhabditis elegans with name ceh-17(np1) I. from WB.

Species: Caenorhabditis elegans

Synonyms: ceh-17(np1) I.

Notes: Mutagen:UV/TMP|"Supplementary_genotype ceh-17(np1) I|"WBStrain mapped, WBPaper00060107 added based on AFP_Strain data."|"WT behavioral phenotype. Axon guidance defect in ceh-17 expressing neurons ALA and 4SIA. ceh-17 = D1007.1, a C. elegans paired homeodomain transcription factor, Phox2 orthologue. np1 is a molecular null. np1 is a 1353 bp deletion including 549 bp upstream of the initiator ATG and extending to the 5th codon of the homeodomain. [NOTE: Miyazaki, et al. (2022) report that this strain carries the fln-2(ot611) mutation in the background, and outcrossing the strain resulted in significantly reduced quiescence during lethargus.]"

Affected Gene: WBGene00000440(ceh-17)

Genomic Alteration: WBGene00000440(ceh-17)

Catalog Number: WB-STRAIN:WBStrain00008608

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:32811254](#), [PMID:36652499](#), [PMID:36924492](#), [PMID:39738055](#), [PMID:40114851](#)

Alternate IDs: WB-STRAIN:IB16, CGC_IB16

Organism Name: IB16

Record Creation Time: 20230227T013324+0000

Record Last Update: 20260829T161424+0000

Ratings and Alerts

No rating or validation information has been found for IB16.

No alerts have been found for IB16.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Medrano E, et al. (2025) Osmolarity regulates *Caenorhabditis elegans* egg-laying behavior via chemosensory and biophysical mechanisms. *The Journal of experimental biology*, 228(21).

Pradhan S, et al. (2025) Pathogen infection induces sickness behaviors through neuromodulators linked to stress and satiety in *C. elegans*. *Nature communications*, 16(1), 3200.

Chandra R, et al. (2023) Sleep is required to consolidate odor memory and remodel olfactory synapses. *Cell*, 186(13), 2911.

Kawano T, et al. (2023) ER proteostasis regulators cell-non-autonomously control sleep. *Cell reports*, 42(3), 112267.

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

Ardiel EL, et al. (2022) Stereotyped behavioral maturation and rhythmic quiescence in *C. elegans* embryos. *eLife*, 11.