

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

NA22

RRID:WB-STRAIN:WBStrain00041948

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00041948

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00041948>

Proper Citation: RRID:WB-STRAIN:WBStrain00041948

Description: Escherichia coli with name E. coli. from WB.

Species: Escherichia coli

Synonyms: E. coli.

Notes: Bacteria. Jim Lewis received this E. coli strain from Henry Epstein in 1977. It is a prototroph and the worms grow well on it in liquid, even when the bacteria are highly labeled with 35-S. It hasn't been tested to see if it is temperature sensitive. It should be distributed as Jim Lewis' NA22 until it has been confirmed that this is a certified version of NA22. Biosafety Level: BSL-1."Made_by: From Jim Lewis"|"Non-elegans Strain"|"WBStrain mapped, WBPaper00059604 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061357 added based on AFP_Strain data."|"WBStrain provided so WBPaper00061284 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061809 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00062110 paper added based on AFP_Strain data."

Catalog Number: WB-STRAIN:WBStrain00041948

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:31402283](#), [PMID:32339771](#), [PMID:32979113](#), [PMID:33831863](#), [PMID:33930289](#), [PMID:34409305](#), [PMID:34740247](#), [PMID:37611097](#), [PMID:37769015](#), [PMID:38164968](#), [PMID:38252838](#), [PMID:38809582](#), [PMID:38738514](#),

[PMID:38964319](#), [PMID:38960397](#), [PMID:38917419](#), [PMID:39358459](#), [PMID:39420071](#), [PMID:39570954](#), [PMID:39695429](#)

Alternate IDs: WB-STRAIN:NA22, CGC_NA22

Organism Name: NA22

Record Creation Time: 20230227T013736+0000

Record Last Update: 20260815T163449+0000

Ratings and Alerts

No rating or validation information has been found for NA22.

No alerts have been found for NA22.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Haque R, et al. (2025) Decoding sexual dimorphism of the sex-shared nervous system at single-neuron resolution. *Science advances*, 11(28), eadv9106.

van der Most MA, et al. (2024) Toxicokinetics of the Antidepressant Fluoxetine and Its Active Metabolite Norfluoxetine in *Caenorhabditis elegans* and Their Comparative Potency. *Environmental science & technology*, 58(7), 3129.

Taylor SR, et al. (2024) Protocol for isolating specific *C. elegans* neuron types for bulk and single-cell RNA sequencing. *STAR protocols*, 5(4), 103439.

Tintori SC, et al. (2024) Environmental radiation exposure at Chornobyl has not systematically affected the genomes or chemical mutagen tolerance phenotypes of local worms. *Proceedings of the National Academy of Sciences of the United States of America*, 121(11), e2314793121.

Das A, et al. (2024) *C. elegans* touch receptor neurons direct mechanosensory complex organization via repurposing conserved basal lamina proteins. *Current biology : CB*, 34(14), 3133.

Banse SA, et al. (2024) The egg-counter: a novel microfluidic platform for characterization of *Caenorhabditis elegans* egg-laying. *Lab on a chip*, 24(11), 2975.

Schmeisser K, et al. (2024) Mobilization of cholesterol induces the transition from quiescence to growth in *Caenorhabditis elegans* through steroid hormone and mTOR signaling. *Communications biology*, 7(1), 121.

Banse SA, et al. (2023) The Egg-Counter: A novel microfluidic platform for characterization of *Caenorhabditis elegans* egg-laying. *bioRxiv* : the preprint server for biology.

Dockendorff TC, et al. (2022) The nematode *Oscheius tipulae* as a genetic model for programmed DNA elimination. *Current biology* : CB, 32(23), 5083.

Trabelcy B, et al. (2021) A sterol-defined system for quantitative studies of sterol metabolism in *C. elegans*. *STAR protocols*, 2(3), 100710.