

Resource Summary Report

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

PR678

RRID:WB-STRAIN:WBStrain00030785

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00030785

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00030785>

Proper Citation: RRID:WB-STRAIN:WBStrain00030785

Description: Caenorhabditis elegans with name tax-4(p678) III. from WB.

Species: Caenorhabditis elegans

Synonyms: tax-4(p678) III.

Notes: Defective in chemotaxis to Na⁺, NaHCO₃, pyridine, cAMP, D-tryptophan; partially defective to CO₂(phosphate)m H⁺(phosphate),, H⁺(citrate); inverted taxis to Cl⁻, OH⁻. Progeny yield about 50% of normal. No Thermotaxis. See also WBPaper00002585."|"Made_by: Dusenbery D"|"WBStrain provided so WBPaper00061198 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061436 paper added based on AFP_Strain data."

Affected Gene: WBGene00006526(tax-4)

Genomic Alteration: WBGene00006526(tax-4)

Catalog Number: WB-STRAIN:WBStrain00030785

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33759761](#), [PMID:38396085](#), [PMID:38935621](#), [PMID:40485984](#)

Alternate IDs: WB-STRAIN:PR678, CGC_PR678

Organism Name: PR678

Record Creation Time: 20230227T013611+0000

Record Last Update: 20260815T163125+0000

Ratings and Alerts

No rating or validation information has been found for PR678.

No alerts have been found for PR678.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Rosero M, et al. (2026) AFD thermosensory neurons mediate tactile-dependent locomotion modulation in *C. elegans*. *eLife*, 14.

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

Tee LF, et al. (2023) Electric shock causes a fleeing-like persistent behavioral response in the nematode *Caenorhabditis elegans*. *Genetics*, 225(2).

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