

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

PY1589

RRID:WB-STRAIN:WBStrain00031132

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00031132

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00031132>

Proper Citation: RRID:WB-STRAIN:WBStrain00031132

Description: Caenorhabditis elegans with name cmk-1(oy21) IV. from WB.

Species: Caenorhabditis elegans

Synonyms: cmk-1(oy21) IV.

Notes: Thermotaxis defective.

Affected Gene: WBGene00000553(cmk-1)

Genomic Alteration: WBGene00000553(cmk-1)

Catalog Number: WB-STRAIN:WBStrain00031132

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:PY1589, CGC_PY1589

Organism Name: PY1589

Record Creation Time: 20230227T013614+0000

Record Last Update: 20260725T172256+0000

Ratings and Alerts

No rating or validation information has been found for PY1589.

No alerts have been found for PY1589.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Zhao R, et al. (2025) CaMK modulates sensory neural activity to control longevity and proteostasis. Proceedings of the National Academy of Sciences of the United States of America, 122(20), e2423428122.

Xue W, et al. (2025) Calcium levels in ASER neurons determine behavioral valence by engaging distinct neuronal circuits in C. elegans. Nature communications, 16(1), 1814.

Cheng W, et al. (2023) Multiple Receptors Contribute to the Attractive Response of Caenorhabditis elegans to Pathogenic Bacteria. Microbiology spectrum, 11(1), e0231922.