

Resource Summary Report

Generated by [NIF](#) on Aug 16, 2026

VC1099

RRID:WB-STRAIN:WBStrain00036323

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00036323

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00036323>

Proper Citation: RRID:WB-STRAIN:WBStrain00036323

Description: Caenorhabditis elegans with name hsp-4(gk514) II. from WB.

Species: Caenorhabditis elegans

Synonyms: hsp-4(gk514) II.

Notes: F43E2.8. Superficially wild type.["Mutagen:UV/TMP"]["Supplementary_genotype hsp-4(gk514) II"]["This strain was provided by the C. elegans Reverse Genetics Core Facility at the University of British Columbia, which is part of the international C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."] ["WBStrain provided so WBPaper00061805 paper added based on AFP_Strain data."]

Affected Gene: WBGene00002008(hsp-4)

Genomic Alteration: WBGene00002008(hsp-4)

Catalog Number: WB-STRAIN:WBStrain00036323

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:34407398](#), [PMID:36924492](#)

Alternate IDs: WB-STRAIN:VC1099, CGC_VC1099

Organism Name: VC1099

Record Creation Time: 20230227T013653+0000

Record Last Update: 20260815T163308+0000

Ratings and Alerts

No rating or validation information has been found for VC1099.

No alerts have been found for VC1099.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Shi J, et al. (2024) Identification of BiP as a temperature sensor mediating temperature-induced germline sex reversal in *C. elegans*. The EMBO journal, 43(18), 4020.

Chen L, et al. (2023) Investigation into the communication between unheated and heat-stressed *Caenorhabditis elegans* via volatile stress signals. Scientific reports, 13(1), 3225.

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

Tang H, et al. (2021) Fatty acids impact sarcomere integrity through myristoylation and ER homeostasis. Cell reports, 36(7), 109539.

Yuan Y, et al. (2011) Dysregulated LRRK2 signaling in response to endoplasmic reticulum stress leads to dopaminergic neuron degeneration in *C. elegans*. PloS one, 6(8), e22354.