

Resource Summary Report

Generated by [RRID](#) on Aug 7, 2026

DC19

RRID:WB-STRAIN:WBStrain00005604

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005604

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005604>

Proper Citation: RRID:WB-STRAIN:WBStrain00005604

Description: Caenorhabditis elegans with name bus-5(br19) X. from WB.

Species: Caenorhabditis elegans

Synonyms: bus-5(br19) X.

Notes: Severe missense mutation. Bus (resistant to M. nematophilum), Bah (resistant to Yersinia biofilm formation), resistant to Leucobacter Verde2, hypersensitive to Leucobacter Verde1, drug and bleach sensitive. Slightly skiddy movement. Useful for drug screening. Reference: Xiong H, et al. Sci Rep. 2017 Aug 29;7(1):9839.|"WBStrain mapped, WBPaper00061006 added based on AFP_Strain data."

Affected Gene: WBGene00044621(bus-5)

Genomic Alteration: WBGene00044621(bus-5)

Catalog Number: WB-STRAIN:WBStrain00005604

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33159585](#)

Alternate IDs: WB-STRAIN:DC19, CGC_DC19

Organism Name: DC19

Record Creation Time: 20230227T013301+0000

Record Last Update: 20260801T171144+0000

Ratings and Alerts

No rating or validation information has been found for DC19.

No alerts have been found for DC19.

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 [RRID](#) .

Tan JH, et al. (2026) Quantifying metabolites using structure-switching aptamers coupled to DNA sequencing. *Nature biotechnology*, 44(1), 60.

Mendes C, et al. (2025) Synthetic Cathinones Induce Developmental Arrest, Reduce Reproductive Capacity, and Shorten Lifespan in the *C. elegans* Model. *Journal of xenobiotics*, 15(1).

Xie Y, et al. (2025) Tubulin autoregulation factors SCAPER and TTC5 recruit γ -tubulin to non-centrosomal MTOCs for neuronal microtubule nucleation and axon regeneration. *bioRxiv : the preprint server for biology*.

O'Rourke D, et al. (2023) Isolation and molecular identification of nematode surface mutants with resistance to bacterial pathogens. *G3 (Bethesda, Md.)*, 13(5).

Ma Z, et al. (2023) The integrated stress response protects against ER stress but is not required for altered translation and lifespan from dietary restriction in *Caenorhabditis elegans*. *Frontiers in cell and developmental biology*, 11, 1263344.

Njume FN, et al. (2022) A lipid transfer protein ensures nematode cuticular impermeability. *iScience*, 25(11), 105357.