

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

HT115

RRID:WB-STRAIN:WBStrain00041079

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00041079

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00041079>

Proper Citation: RRID:WB-STRAIN:WBStrain00041079

Description: Escherichia coli with name E. coli [F-, mcrA, mcrB, IN(rrnD-rrnE)1, rnc14::Tn10(DE3 lysogen: lacUV5 promoter -T7 polymerase)]. from WB.

Species: Escherichia coli

Synonyms: E. coli [F-, mcrA, mcrB, IN(rrnD-rrnE)1, rnc14::Tn10(DE3 lysogen: lacUV5 promoter -T7 polymerase)].

Notes: Bacterial strain. Genotype: F-, mcrA, mcrB, IN(rrnD-rrnE)1, rnc14::Tn10(DE3 lysogen: lacUV5 promoter -T7 polymerase) (IPTG-inducible T7 polymerase) (RNase III minus). This strain grows on LB or 2XYT plates. This strain is tetracycline resistant. Researchers using this strain should test for expression by transforming in one of the plasmids from the Fire Vector Kit (1999) (pLT76, e.g.) using standard CaCl₂ transformation techniques. Biosafety Level: BSL-1."Generated from papers flagged positive during the last month for data type afp_strain/other_strain."|"Non-elegans Strain"|"Reference WBPaper00055815 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00056998 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00057197 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00057236 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058667 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058717 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00058995 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059068 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059256 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059294 added based on published strain data

identified by Textpresso literature search."|"Reference WBPaper00059538 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00059681 added based on published strain data identified by Textpresso literature search."|"Reference WBPaper00060680 added based on published strain data identified by Textpresso literature search."|"WBStrain mapped, WBPaper00059536 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059685 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059960 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00059997 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060064 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060142 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060498 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060501 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060738 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060859 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060871 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00060921 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061045 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061072 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061110 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061131 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061203 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061220 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061275 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061309 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061409 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061476 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061483 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061526 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061527 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061536 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061547 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061553 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061562 added based on AFP_Strain data."|"WBStrain provided so WBPaper00059223 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00059401 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00059744 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060060 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060161 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060223 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060343 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060459 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060487 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060797 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00060942 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061178 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061236 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061289 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061436 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061451 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061573 paper added based on AFP_Strain

data."|"WBStrain provided so WBPaper00061684 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061746 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061750 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061786 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061791 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061805 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061869 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061870 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061894 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061901 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061940 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00061998 paper added based on AFP_Strain data."|"WBStrain provided so WBPaper00062146 paper added based on AFP_Strain data."

Catalog Number: WB-STRAIN:WBStrain00041079

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:12709403](#), [PMID:30489010](#), [PMID:31282863](#), [PMID:31402283](#), [PMID:31409866](#), [PMID:31450086](#), [PMID:31577950](#), [PMID:31624276](#), [PMID:31882874](#), [PMID:31917826](#), [PMID:31988193](#), [PMID:32010481](#), [PMID:32049015](#), [PMID:32156756](#), [PMID:32209461](#), [PMID:32275886](#), [PMID:32273538](#), [PMID:32451438](#), [PMID:32453327](#), [PMID:32468214](#), [PMID:31771413](#), [PMID:32652074](#), [PMID:32687264](#), [PMID:32694663](#), [PMID:32707947](#), [PMID:32750056](#), [PMID:32768194](#), [PMID:32857970](#), [PMID:32855271](#), [PMID:32918875](#), [PMID:32945661](#), [PMID:32494730](#), [PMID:32609395](#), [PMID:32943454](#), [PMID:33009389](#), [PMID:32163353](#), [PMID:33033182](#), [PMID:33077477](#), [PMID:33238150](#), [PMID:33238119](#), [PMID:33289480](#), [PMID:33298437](#), [PMID:33309948](#), [PMID:33355089](#), [PMID:33432376](#), [PMID:33440164](#), [PMID:33440146](#), [PMID:33470040](#), [PMID:33542359](#), [PMID:33602504](#), [PMID:33654835](#), [PMID:33674585](#), [PMID:33673074](#), [PMID:33666644](#), [PMID:33718883](#), [PMID:33789349](#), [PMID:33359170](#), [PMID:33863916](#), [PMID:33972428](#), [PMID:34102068](#), [PMID:32694842](#), [PMID:34172445](#), [PMID:34156835](#), [PMID:34268480](#), [PMID:34325294](#), [PMID:34321666](#), [PMID:34397094](#), [PMID:34376665](#), [PMID:34407398](#), [PMID:34467850](#), [PMID:34496255](#), [PMID:34499406](#), [PMID:34542850](#), [PMID:34607947](#), [PMID:34663906](#), [PMID:36178967](#), [PMID:36618984](#), [PMID:37260751](#), [PMID:37416472](#), [PMID:37122724](#), [PMID:37541249](#), [PMID:37537842](#), [PMID:37552986](#), [PMID:37549461](#), [PMID:37556491](#), [PMID:37578251](#), [PMID:37607437](#), [PMID:37606250](#), [PMID:37620393](#), [PMID:37626039](#), [PMID:37640905](#), [PMID:37712432](#), [PMID:37769015](#), [PMID:37773959](#), [PMID:37872247](#), [PMID:37934606](#), [PMID:38100354](#), [PMID:37987447](#), [PMID:37982457](#), [PMID:37795690](#), [PMID:38177330](#), [PMID:38177158](#), [PMID:38226857](#), [PMID:38252833](#), [PMID:38134228](#), [PMID:38261662](#), [PMID:38266092](#), [PMID:38240316](#), [PMID:38329452](#), [PMID:38374083](#), [PMID:38378890](#), [PMID:38396085](#), [PMID:38418585](#), [PMID:38421867](#), [PMID:38427913](#), [PMID:38466732](#), [PMID:38446619](#), [PMID:38483903](#), [PMID:38446666](#), [PMID:38446031](#), [PMID:38498505](#), [PMID:38485937](#), [PMID:38378098](#), [PMID:38510643](#), [PMID:38520690](#), [PMID:38547054](#), [PMID:38556137](#), [PMID:38575580](#), [PMID:38570505](#), [PMID:38582051](#), [PMID:38548742](#), [PMID:38529797](#), [PMID:38538795](#), [PMID:38589671](#), [PMID:38594249](#), [PMID:38608859](#), [PMID:38607730](#), [PMID:38678555](#),

[PMID:38664565](#), [PMID:38664429](#), [PMID:38692279](#), [PMID:38696255](#), [PMID:38740431](#),
[PMID:38763511](#), [PMID:38760342](#), [PMID:38776905](#), [PMID:38776903](#), [PMID:38775657](#),
[PMID:38799567](#), [PMID:38795346](#), [PMID:38784855](#), [PMID:38783998](#), [PMID:38816072](#),
[PMID:38844830](#), [PMID:38852157](#), [PMID:38851828](#), [PMID:38857399](#), [PMID:38869949](#),
[PMID:38869752](#), [PMID:38878153](#), [PMID:38880276](#), [PMID:38908368](#), [PMID:38746662](#),
[PMID:38744971](#), [PMID:38743783](#), [PMID:38963038](#), [PMID:38946799](#), [PMID:38704027](#),
[PMID:38986790](#), [PMID:38984542](#), [PMID:38983916](#), [PMID:39025156](#), [PMID:39166513](#),
[PMID:39179648](#), [PMID:39164296](#), [PMID:39237708](#), [PMID:39235964](#), [PMID:39180255](#),
[PMID:39255003](#), [PMID:39289374](#), [PMID:39285192](#), [PMID:39305484](#), [PMID:39117797](#),
[PMID:38925148](#), [PMID:39083540](#), [PMID:39368088](#), [PMID:39367234](#), [PMID:39395417](#),
[PMID:39392750](#), [PMID:39405353](#), [PMID:39382030](#), [PMID:39426950](#), [PMID:39423230](#),
[PMID:39423228](#), [PMID:39418305](#), [PMID:39436952](#), [PMID:39474353](#), [PMID:39472562](#),
[PMID:39169182](#), [PMID:39485281](#), [PMID:39504959](#), [PMID:39501794](#), [PMID:37811492](#),
[PMID:39571580](#), [PMID:39636673](#), [PMID:39632952](#), [PMID:39652540](#), [PMID:39731224](#),
[PMID:39460939](#), [PMID:39853894](#), [PMID:40118018](#), [PMID:39995862](#), [PMID:40252647](#),
[PMID:40404656](#), [PMID:40410380](#)

Alternate IDs: WB-STRAIN:HT115

Organism Name: HT115

Record Creation Time: 20230227T013729+0000

Record Last Update: 20260829T162427+0000

Ratings and Alerts

No rating or validation information has been found for HT115.

No alerts have been found for HT115.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Rahman SS, et al. (2025) Methionine cycle in C. elegans serotonergic neurons regulates diet-dependent behaviour and longevity through neuron-gut signaling. Nature communications, 16(1), 5118.

Yan J, et al. (2025) Eukaryotic Elongation Factor 2 Kinase EFK-1/eEF2K promotes starvation resistance by preventing oxidative damage in C. elegans. Nature communications, 16(1), 1752.

B??rd??n K, et al. (2025) Developing Endogenous Autophagy Reporters in *Caenorhabditis elegans* to Monitor Basal and Starvation-Induced Autophagy. *International journal of molecular sciences*, 26(20).

Tran MV, et al. (2024) MAP9/MAPH-9 supports axonemal microtubule doublets and modulates motor movement. *Developmental cell*, 59(2), 199.

Singh N, et al. (2024) The Rac pathway prevents cell fragmentation in a nonprotrusively migrating leader cell during *C.??elegans* gonad organogenesis. *Current biology : CB*, 34(11), 2387.

Laranjeira AC, et al. (2024) Nutritional vitamin B12 regulates RAS/MAPK-mediated cell fate decisions through one-carbon metabolism. *Nature communications*, 15(1), 8178.

Hall AE, et al. (2024) *C. elegans* Afadin is required for epidermal morphogenesis and functionally interfaces with the cadherin-catenin complex and RhoGAP PAC-1/ARHGAP21. *Developmental biology*, 511, 12.

Romero-Aranda C, et al. (2024) Integrator complex subunit 6 (INTS-6) mediates DNA damage response in *Caenorhabditis elegans*. *microPublication biology*, 2024.

Koopman M, et al. (2024) Rebalancing the motor circuit restores movement in a *Caenorhabditis elegans* model for TDP-43 toxicity. *Cell reports*, 43(5), 114204.

Lacroix B, et al. (2024) Increases in cyclin A/Cdk activity and in PP2A-B55 inhibition by FAM122A are key mitosis-inducing events. *The EMBO journal*, 43(6), 993.

Rodrigues NTL, et al. (2024) Quantitative perturbation-phenotype maps reveal nonlinear responses underlying robustness of PAR-dependent asymmetric cell division. *PLoS biology*, 22(12), e3002437.

Gao SM, et al. (2024) Aging atlas reveals cell-type-specific effects of pro-longevity strategies. *Nature aging*, 4(7), 998.

Ohmine K, et al. (2024) Cacao Procyanidins-Induced Lifespan Extension in *Caenorhabditis elegans* in a Nervous System and CaMKII-Dependent Manner. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 79(4).

Bland T, et al. (2024) Optimized PAR-2 RING dimerization mediates cooperative and selective membrane binding for robust cell polarity. *The EMBO journal*, 43(15), 3214.

Pandey T, et al. (2024) LPD-3 as a megaprotein brake for aging and insulin-mTOR signaling in *C.??elegans*. *Cell reports*, 43(3), 113899.

Romoli O, et al. (2024) Limitations in harnessing oral RNA interference as an antiviral strategy in *Aedes aegypti*. *iScience*, 27(3), 109261.

Campos JC, et al. (2023) Exercise preserves physical fitness during aging through AMPK and mitochondrial dynamics. *Proceedings of the National Academy of Sciences of the United States of America*, 120(2), e2204750120.

Goyala A, et al. (2023) CRISPR-activated expression of collagen col-120 increases lifespan and heat tolerance. *microPublication biology*, 2023.

Kenny-Ganzert I, et al. (2023) Differential production rates of cytosolic and transmembrane GFP reporters in *C. elegans* L3 larval uterine cells. *microPublication biology*, 2023.

Torzone SK, et al. (2023) Opposing action of the FLR-2 glycoprotein hormone and DRL-1/FLR-4 MAP kinases balance p38-mediated growth and lipid homeostasis in *C. elegans*. *PLoS biology*, 21(9), e3002320.