

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

pCFJ150 - pDESTttTi5605[R4-R3]

RRID:Addgene_19329

Type: Plasmid

Proper Citation

RRID:Addgene_19329

Plasmid Information

URL: <http://www.addgene.org/19329>

Proper Citation: RRID:Addgene_19329

Insert Name: pDESTttTi5605[R4-R3]

Organism: Caenorhabditis elegans

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:18953339](#)

Vector Backbone Description: Backbone Size:2354; Vector Backbone:N/A; Vector Types:Worm Expression; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Invitrogen Gateway 3-fragment compatible destination vector. Contains C.Briggsae unc-119 rescue fragment. Also contains genomic regions flanking ttTi5605 Mos1 insertion to generate MosSCI inserts at this locus. Please note that due to a bug in the Addgene map algorithm, the attR sites are depicted as attR1 and attR2, when in fact they are attR3 and attR4. Please refer to the author's map for an accurate depiction of these sites.

Plasmid Name: pCFJ150 - pDESTttTi5605[R4-R3]

Record Creation Time: 20220422T222045+0000

Record Last Update: 20260902T043413+0000

Ratings and Alerts

No rating or validation information has been found for pCFJ150 - pDESTttTi5605[R4-R3].

No alerts have been found for pCFJ150 - pDESTttTi5605[R4-R3].

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Boström AH, et al. (2026) Auxin-inducible degradation of UNC-116 in *C. elegans* inhibits bidirectional dense core vesicle transport and worm locomotion on different timescales. *Journal of cell science*, 139(6).

Sorensen Turpin CG, et al. (2025) Securin regulates the spatiotemporal dynamics of separase. *The Journal of cell biology*, 224(2).

Ma L, et al. (2024) FLN-2 functions in parallel to linker of nucleoskeleton and cytoskeleton complexes and CDC-42/actin pathways during P-cell nuclear migration through constricted spaces in *Caenorhabditis elegans*. *Genetics*, 227(3).

Lee YT, et al. (2023) Mitochondrial GTP metabolism controls reproductive aging in *C. elegans*. *Developmental cell*, 58(23), 2718.

Sorensen Turpin CG, et al. (2023) Securin Regulates the Spatiotemporal Dynamics of Separase. *bioRxiv* : the preprint server for biology.

Doser RL, et al. (2022) Decreased Reactive Oxygen Species Signaling Alters Glutamate Receptor Transport to Synapses in *C. elegans* AVA Neurons. *microPublication biology*, 2022.

Velez-Aguilera G, et al. (2022) Cortical microtubule pulling forces contribute to the union of the parental genomes in the *Caenorhabditis elegans* zygote. *eLife*, 11.

Kim J, et al. (2022) Condensin DC loads and spreads from recruitment sites to create loop-anchored TADs in *C. elegans*. *eLife*, 11.

Moseley-Aldredge M, et al. (2022) A role for the Erk MAPK pathway in modulating SAX-7/L1CAM-dependent locomotion in *Caenorhabditis elegans*. *Genetics*, 220(2).

Hsu TY, et al. (2021) *C. elegans* orthologs MUT-7/CeWRN-1 of Werner syndrome protein regulate neuronal plasticity. *eLife*, 10.

Russell JC, et al. (2021) Generation and characterization of a tractable *C. elegans* model of tauopathy. *GeroScience*, 43(5), 2621.

Velez-Aguilera G, et al. (2020) PLK-1 promotes the merger of the parental genome into a single nucleus by triggering lamina disassembly. *eLife*, 9.

Hefel A, et al. (2019) Tissue-Specific Split sfGFP System for Streamlined Expression of GFP Tagged Proteins in the *Caenorhabditis elegans* Germline. *G3 (Bethesda, Md.)*, 9(6),

1933.

Sanchis A, et al. (2019) Metformin treatment reduces motor and neuropsychiatric phenotypes in the zQ175 mouse model of Huntington disease. *Experimental & molecular medicine*, 51(6), 1.

Aoki I, et al. (2018) SLO potassium channels antagonize premature decision making in *C. elegans*. *Communications biology*, 1, 123.

Link J, et al. (2018) Transient and Partial Nuclear Lamina Disruption Promotes Chromosome Movement in Early Meiotic Prophase. *Developmental cell*, 45(2), 212.

Fernández-Cárdenas LP, et al. (2017) *Caenorhabditis elegans* ATPase inhibitor factor 1 (IF1) MAI-2 preserves the mitochondrial membrane potential ($\Delta\psi$) and is important to induce germ cell apoptosis. *PloS one*, 12(8), e0181984.

Bolková J, et al. (2016) Live imaging reveals spatial separation of parental chromatin until the four-cell stage in *Caenorhabditis elegans* embryos. *The International journal of developmental biology*, 60(1-3), 5.

Gnazzo MM, et al. (2016) The RNA-binding protein ATX-2 regulates cytokinesis through PAR-5 and ZEN-4. *Molecular biology of the cell*, 27(20), 3052.

Vérièpe J, et al. (2015) Neurodegeneration in *C. elegans* models of ALS requires TIR-1/Sarm1 immune pathway activation in neurons. *Nature communications*, 6, 7319.