

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

L4440

RRID:Addgene_1654

Type: Plasmid

Proper Citation

RRID:Addgene_1654

Plasmid Information

URL: <http://www.addgene.org/1654>

Proper Citation: RRID:Addgene_1654

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:2790; Vector Types:Worm Expression, RNAi; Bacterial Resistance:Ampicillin

Comments: See Fire Lab Vector Kit Documentation 1999. Fire Lab Miniprep Number pPD129.36, Ligation number L4440. "Author's Map" courtesy of Dr. Guy Caldwell.

Plasmid Name: L4440

Record Creation Time: 20220422T221933+0000

Record Last Update: 20260829T075923+0000

Ratings and Alerts

No rating or validation information has been found for L4440.

No alerts have been found for L4440.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 92 mentions in open access literature.

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

Han RT, et al. (2026) Pyran compound 7r exerts neuroprotective effects against Parkinson's disease via modulating oxidative stress and autophagy. *iScience*, 29(6), 116233.

Ahmed S, et al. (2026) Heat shock factor-1 alleviates ER-stress in *Caenorhabditis elegans*. *Scientific reports*, 16(1).

VanDerMolen KR, et al. (2025) Non-cell-autonomous regulation of mTORC2 by Hedgehog signaling maintains lipid homeostasis. *Cell reports*, 44(1), 115191.

Samarskaya VO, et al. (2025) Poly ADP-Ribosylation in a Plant Pathogenic Oomycete *Phytophthora infestans*: A Key Controller of Growth and Host Plant Colonisation. *Journal of fungi (Basel, Switzerland)*, 11(1).

Kim J, et al. (2025) Imaging and Quantifying Mitochondrial Morphology in *C. elegans* During Aging. *Journal of visualized experiments : JoVE*(215).

Schreier J, et al. (2025) A genetic framework for RNAi inheritance in *Caenorhabditis elegans*. *EMBO reports*, 26(16), 4072.

Zhu M, et al. (2025) PTP-3 regulated by VB12 is important for ageing health in *C. elegans*. *npj aging*, 11(1), 10.

Nair SS, et al. (2025) Validation study of a novel, rapid, open platform real-time LAMP assay for early diagnosis of pulmonary tuberculosis. *Scientific reports*, 15(1), 10069.

Zellag RM, et al. (2025) The spatiotemporal distribution of LIN-5/NuMA regulates spindle orientation in the *C. elegans* germ line. *Cell reports*, 44(2), 115296.

Morillo KS, et al. (2025) Single-nucleus neuronal transcriptional profiling of male *C. elegans* uncovers regulators of sex-specific and sex-shared behaviors. *Cell reports*, 44(8), 116016.

Gimenez S, et al. (2025) Towards identification of a holocentromere marker in the lepidopteran model *Spodoptera frugiperda*. *Chromosoma*, 134(1), 2.

Knittel TL, et al. (2025) Interdependence of Pasha and Drosha for localization and function of the Microprocessor in *C. elegans*. *Nature communications*, 16(1), 5595.

Zhang J, et al. (2025) Experimental validation of RNA interference technologies for improved control of barber's pole worm. *Veterinary research*, 56(1), 194.

Packer J, et al. (2024) Atypical Protein Kinase C Promotes its own Asymmetric Localisation by Phosphorylating Cdc42 in the *C. elegans* zygote. *bioRxiv : the preprint server for biology*.

Martínez-Valencia D, et al. (2024) The *Entamoeba histolytica* Vps26 (EhVps26) retromeric protein is involved in phagocytosis: Bioinformatic and experimental approaches. *PloS one*, 19(8), e0304842.

Kovács D, et al. (2024) Age-dependent heat shock hormesis to HSF-1 deficiency suggests a compensatory mechanism mediated by the unfolded protein response and innate immunity in young *Caenorhabditis elegans*. *Aging cell*, 23(10), e14246.

Agarwal P, et al. (2024) Active nuclear positioning and actomyosin contractility maintain leader cell integrity during gonadogenesis. *Current biology : CB*, 34(11), 2373.

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.

Weng Y, et al. (2024) Male-specific behavioral and transcriptomic changes in aging *C. elegans* neurons. *iScience*, 27(6), 109910.

Alirzayeva H, et al. (2024) ALS-FUS mutations cause abnormal PARylation and histone H1.2 interaction, leading to pathological changes. *Cell reports*, 43(8), 114626.