

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

CL6049

RRID:WB-STRAIN:WBStrain00005114

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005114>

Proper Citation: RRID:WB-STRAIN:WBStrain00005114

Description: Caenorhabditis elegans with name dvls62 X. from WB.

Species: Caenorhabditis elegans

Synonyms: dvls62 X.

Notes: Associated protein: Human TDP-43["dvls62 [snb-1p::hTDP-43/3' long UTR + mtl-2p::GFP] X. Temperature-sensitive. Maintain at 16 to minimize selection against transgene. Uncoordinated from hatching; phenotype is stronger at higher temperatures. Intestinal GFP expression. Reference: Ash PE, et al. Hum Mol Genet. 2010 Aug 15;19(16):3206-18."|"Mutagen:UV/TMP"|"Supplementary_genotype dvls62 [snb-1p::hTDP-43/3'long UTR + mtl-2p::GFP] X"|"Transgene expression: Inducible pan-neuronal + intestine (marker)"]

Catalog Number: WB-STRAIN:WBStrain00005114

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:37957360](#), [PMID:39212733](#)

Alternate IDs: WB-STRAIN:CL6049, CGC_CL6049

Organism Name: CL6049

Record Creation Time: 20230227T013257+0000

Record Last Update: 20260815T162347+0000

Ratings and Alerts

No rating or validation information has been found for CL6049.

No alerts have been found for CL6049.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Park KH, et al. (2025) Optogenetic induction of TDP-43 aggregation impairs neuronal integrity and behavior in *Caenorhabditis elegans*. *Translational neurodegeneration*, 14(1), 20.

Chamoli M, et al. (2023) A drug-like molecule engages nuclear hormone receptor DAF-12/FXR to regulate mitophagy and extend lifespan. *Nature aging*, 3(12), 1529.