

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

MGH171

RRID:WB-STRAIN:WBStrain00026494

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00026494

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00026494>

Proper Citation: RRID:WB-STRAIN:WBStrain00026494

Description: Caenorhabditis elegans with name sid-1(qt9) V; alxIs9. from WB.

Species: Caenorhabditis elegans

Synonyms: sid-1(qt9) V; alxIs9.

Notes: alxIs9 [vha-6p::sid-1::SL2::GFP]. Gut-sensitive RNAi line. Stable line with strong GFP signal."Supplementary_genotype sid-1(qt9) V; alxIs9[Pvha-6::SID-1::SL2::GFP]"|"WBStrain mapped, WBPaper00049531 added based on AFP_Strain data."|"WBStrain mapped, WBPaper00061439 added based on AFP_Strain data."

Affected Gene: WBGene00004795(sid-1)

Genomic Alteration: WBGene00004795(sid-1)

Catalog Number: WB-STRAIN:WBStrain00026494

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:27129311](#), [PMID:34038721](#), [PMID:37773960](#), [PMID:38446031](#), [PMID:38510643](#)

Alternate IDs: WB-STRAIN:MGH171, CGC_MGH171

Organism Name: MGH171

Record Creation Time: 20230227T013538+0000

Record Last Update: 20260912T181519+0000

Ratings and Alerts

No rating or validation information has been found for MGH171.

No alerts have been found for MGH171.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Wang X, et al. (2025) The transcription factor SKN-1 drives lysosomal enlargement during aging to maintain function. PLoS biology, 23(12), e3003540.

Wilhelm T, et al. (2025) An intergenerational lipid memory of the social environment in C. elegans. bioRxiv : the preprint server for biology.

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

Ragle JM, et al. (2024) The NHR-23-regulated putative protease inhibitor mlt-11 gene is necessary for C. elegans cuticle structure and function. bioRxiv : the preprint server for biology.

Otarigho B, et al. (2024) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in C. elegans. eLife, 12.

Hao F, et al. (2024) Bacterial peptidoglycan acts as a digestive signal mediating host adaptation to diverse food resources in C. elegans. Nature communications, 15(1), 3286.

Goswamy D, et al. (2023) C. elegans orphan nuclear receptor NHR-42 represses innate immunity and promotes lipid loss downstream of HLH-30/TFEB. Frontiers in immunology, 14, 1094145.

Ghaddar A, et al. (2023) Whole-body gene expression atlas of an adult metazoan. Science advances, 9(25), eadg0506.

Johnson LC, et al. (2023) NHR-23 activity is necessary for C. elegans developmental progression and apical extracellular matrix structure and function. Development

(Cambridge, England), 150(10).

Otarigho B, et al. (2023) Neuronal NPR-15 modulates molecular and behavioral immune responses via the amphid sensory neuron-intestinal axis in *C. elegans*. bioRxiv : the preprint server for biology.