

Resource Summary Report

Generated by [NIF](#) on Sep 13, 2026

VC381

RRID:WB-STRAIN:WBStrain00035722

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00035722

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00035722>

Proper Citation: RRID:WB-STRAIN:WBStrain00035722

Description: Caenorhabditis elegans with name atm-1(gk186) I. from WB.

Species: Caenorhabditis elegans

Synonyms: atm-1(gk186) I.

Notes: Mutagen:UV/TMP]"This strain was provided by the C. elegans Reverse Genetics Core Facility at the University of British Columbia, which is part of the international C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."["Y48G1BL.2. Superficially wild type. [NOTE: According to WormBase, gk186 is a 548 bp deletion. Left external: gtcgggtttgatgcacttt Right external: atctttccatcggttccacg Left internal: aaattcgattttcgcgatg Right internal: caattgacgcaattgcact]"

Affected Gene: WBGene00000227(atm-1)

Genomic Alteration: WBGene00000227(atm-1)

Catalog Number: WB-STRAIN:WBStrain00035722

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33788576](#)

Alternate IDs: WB-STRAIN:VC381, CGC_VC381

Organism Name: VC381

Record Creation Time: 20230227T013648+0000

Record Last Update: 20260912T181727+0000

Ratings and Alerts

No rating or validation information has been found for VC381.

No alerts have been found for VC381.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Sonowal R, et al. (2023) A microbiota and dietary metabolite integrates DNA repair and cell death to regulate embryo viability and aneuploidy during aging. Science advances, 9(8), eade8653.

Chen L, et al. (2023) Investigation into the communication between unheated and heat-stressed *Caenorhabditis elegans* via volatile stress signals. Scientific reports, 13(1), 3225.

L??scares-Lagunas LI, et al. (2022) ATM/ATR kinases link the synaptonemal complex and DNA double-strand break repair pathway choice. Current biology : CB, 32(21), 4719.

Hammerquist AM, et al. (2021) Maf1 regulates intracellular lipid homeostasis in response to DNA damage response activation. Molecular biology of the cell, 32(11), 1086.

McClendon TB, et al. (2016) X Chromosome Crossover Formation and Genome Stability in *Caenorhabditis elegans* Are Independently Regulated by *xnd-1*. G3 (Bethesda, Md.), 6(12), 3913.

Lawrence KS, et al. (2015) DNA damage response and spindle assembly checkpoint function throughout the cell cycle to ensure genomic integrity. PLoS genetics, 11(4), e1005150.

Ryu JS, et al. (2013) The 53BP1 homolog in *C. elegans* influences DNA repair and promotes apoptosis in response to ionizing radiation. PloS one, 8(5), e64028.

Kimata T, et al. (2012) Synaptic polarity depends on phosphatidylinositol signaling regulated by myo-inositol monophosphatase in *Caenorhabditis elegans*. Genetics, 191(2), 509.