

Resource Summary Report

Generated by [NIF](#) on Aug 28, 2026

TX183

RRID:WB-STRAIN:WBStrain00035068

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00035068

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00035068>

Proper Citation: RRID:WB-STRAIN:WBStrain00035068

Description: *Caenorhabditis elegans* with name oma-1(zu405te33)/nT1 [unc-?(n754) let-?] IV; oma-2(te51)/nT1 V. from WB.

Species: *Caenorhabditis elegans*

Synonyms: oma-1(zu405te33)/nT1 [unc-?(n754) let-?] IV; oma-2(te51)/nT1 V.

Notes: Heterozygotes are Unc and segregate Unc and non-Unc steriles (oma-1; oma-2 homozygotes). The Oma animal has an empty uterus and lots of oocytes in the gonad arms. Maintain by picking Uncs. zu405 is a gain-of-function mutation which results in temperature sensitive, embryonic lethality. Loss-of-function mutation in either oma-1 or oma-2 alone does not have a detectable phenotype. te33 is a dominant suppressor of the zu405 embryonic lethality. te51 is a mutation that, in the oma-1(zu405te33) background, gives an Oma (Oocyte Maturation defective) phenotype. [Heterozygotes are Unc and segregate Unc and non-Unc steriles (oma-1; oma-2 homozygotes). The Oma animal has an empty uterus and lots of oocytes in the gonad arms. Maintain by picking Uncs. zu405 is a gain-of-function mutation which results in temperature sensitive, embryonic lethality. Loss-of-function mutation in either oma-1 or oma-2 alone does not have a detectable phenotype. te33 is a dominant suppressor of the zu405 embryonic lethality. te51 is a mutation that, in the oma-1(zu405te33) background, gives an Oma (Oocyte Maturation defective) phenotype. [NOTE (09/2016; D. Greenstein, unpublished results): The two molecular changes in te33 are different than reported by Detwiler et al. (2001), but nonetheless result in a strong loss of oma-1 function. Sequencing of the original isolate of te33 gave the same result (S. Robertson and R. Lin, unpublished results).] This strain carrying oma-1(zu405te33) contains the following mutations: zu405 [C8889984T; P240L] and te33 [C8889978A, S238stop & C8889863T, H200Y]."

Affected Gene: WBGene00003864(oma-1)|WBGene00003865(oma-2)

Genomic Alteration: WBGene00003864(oma-1), WBGene00003865(oma-2)

Catalog Number: WB-STRAIN:WBStrain00035068

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:TX183, CGC_TX183

Organism Name: TX183

Record Creation Time: 20230227T013644+0000

Record Last Update: 20260815T163248+0000

Ratings and Alerts

No rating or validation information has been found for TX183.

No alerts have been found for TX183.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Leighton DH, et al. (2014) Communication between oocytes and somatic cells regulates volatile pheromone production in *Caenorhabditis elegans*. *Proceedings of the National Academy of Sciences of the United States of America*, 111(50), 17905.