

Resource Summary Report

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CX5000

RRID:WB-STRAIN:WBStrain00005267

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005267

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005267>

Proper Citation: RRID:WB-STRAIN:WBStrain00005267

Description: Caenorhabditis elegans with name slt-1(eh15) X. from WB.

Species: Caenorhabditis elegans

Synonyms: slt-1(eh15) X.

Notes: Made_by: David Hughes/Joe Hao|"slt-1 mutants have no dissecting-scope phenotype. They have a 40% penetrant defect in the ventral guidance of the AVM neuron scored with mec-4::GFP, a mild defect in CAN cell migration that is enhanced by a ceh-23::GFP transgene, and a mild defect in midline crossing by PVQ neurons scorable with sra-6::GFP. slt-1(eh15) is a complex rearrangement that duplicates the endogenous slt-1 gene, but disrupts both duplicated copies. The two copies are linked on X but the exact distance between them is not known. The duplication probably extends >13 kb based on Southern blotting. Deletion breakpoints for the first copy of slt-1 are as follows: nucleotides 26219 to 28163 and 28197 to 28294 in cosmid C26G2 are deleted. The second copy of slt-1 contains the following structure: nucleotides 28197 to 28294 in C26G2 are deleted, followed by a duplication of nucleotides 28300 to 28396 in C26G2 that begins 5 nucleotides after the deletion. Both copies of slt-1 are mutant, as confirmed by both DNA sequence and RT-PCR analysis of slt-1 mRNA. Scoring for homozygosity of the slt-1 allele by PCR is difficult because of the two copies of the gene and because the small deletion and the small duplication of the second copy of slt-1 are the same size. The mutant can be followed indirectly by X linkage (very closely linked to unc-3). It may be possible to make a specific primer within the duplicated region that detects a unique band in the slt-1 mutant."

Affected Gene: WBGene00004854(slt-1)

Genomic Alteration: WBGene00004854(slt-1)

Catalog Number: WB-STRAIN:WBStrain00005267

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:CX5000, CGC_CX5000

Organism Name: CX5000

Record Creation Time: 20230227T013258+0000

Record Last Update: 20260725T171707+0000

Ratings and Alerts

No rating or validation information has been found for CX5000.

No alerts have been found for CX5000.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We have not found any literature mentions for this resource.