

Resource Summary Report

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VC10127

RRID:WB-STRAIN:WBStrain00037977

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00037977

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00037977>

Proper Citation: RRID:WB-STRAIN:WBStrain00037977

Description: Caenorhabditis elegans with name Whole-genome sequenced strain. from WB.

Species: Caenorhabditis elegans

Synonyms: Whole-genome sequenced strain.

Notes: Made_by: Vancouver KO Group|"Million Mutation Project strain. This strain was isolated after UV/TMP mutagenesis of VC2010, propagated clonally through F10 to drive mutations to homozygosity, and subjected to whole-genome sequencing. It is homozygous for a large number of mutations determined from sequence data. It may also carry large copy number variations that are not homozygous. Alleles numbered between gk100000 and gk962522 are homozygous; those numbered from gk962523 up should be assumed to be non-homozygous. A graphical representation of these large copy number differences can be seen in the Plot section for each strain on the MMP web site (URL: genome.sfu.ca/mmp/). It also carries a homozygous deletion in F19C6.1 (gk1192), identified by CGH (Comparative Genome Hybridization), which can be detected by PCR with the following primers. External left primer: CGAACTCGCCGTTCTACTTC. External right primer: GTTTTAGCGGCTTCAACTGC. Internal left primer: CGTCCCTTGATTGGTTCATT. Internal right primer: GATTCTCATTGGCAGACGGT. Internal WT amplicon: 3924 bp. Approximate deletion size: 2575 bp. The deletion was confirmed by PCR, but was not sequenced. Left flanking CGH probe: TTCGTTCAAGCTTAATGTTTCAGCATGCCTCTTCTTGACTCGCTTCTTTT. Left deleted CGH probe: TCCGGTACCAATTGTCGACTTGCTACCATTTTACGACCGCACAACCTAAAA. Right deleted CGH probe: TAGTGAGGGAAGTGTAGATAATTCTTCCACTTTTTGCTTTTTCTTTCTT. Right flanking CGH probe: TACCGTATTGGCAACGATATTTCAATCTCCATGGTCCTATCGTGGCTGA.

Flanking sequences represent the nearest array oligo sequences present in the deletion chromosome on the basis of fluorescence ratio. These should not be considered hard breakpoints in the absence of actual sequence data."|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."

Catalog Number: WB-STRAIN:WBStrain00037977

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:VC10127, CGC_VC10127

Organism Name: VC10127

Record Creation Time: 20230227T013705+0000

Record Last Update: 20260829T162333+0000

Ratings and Alerts

No rating or validation information has been found for VC10127.

No alerts have been found for VC10127.

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.