FBrf0075216

DROSOPHILA GENMAPS DATABASE RECORD PRINTOUT - 12/12/91
Return corrections to John Merriam, UCLA Biology,
Los Angeles, CA 90026-1606; FAX [redacted]

l(2)37Bc

source_number 1779

full_location 37B10
table_numbers 1,2,5,6 cross_locations

gene_name l(2)37Bc
gene_abbrev Bc
product Bc protein

1 kb_cloned_genom 160 vector_genomic lambda RS24/charion 4 Manistis Carton-S
kb_cloned_cDNA 1.67 vector_cDNA pNB40 embryonic

METHOD: expression walk_jump_org YACs 0
microcloning oligonucleotide
homology transposon_tag

clonetechtext prior clone genomic from Ruth stewart

2 rearrangement Df(2L)TW130; Df(2L)OD15; Df(2L)hkuc1; Df(2L)VA18; Df(2L)hkuc2

3 T_strain
markers

5 kb_seq_genomic 0 acc_number_gen kb_seq_old 0
kb_seq_cDNA 1.67 acc_number_cDNA
comments
ORF_size 425
ORF_function tyrosine protein kinase-like
ORF_domains Histine-rich domain

6 kb_trans_size 1.7
transc_dist

7 protein_dist

8 fusion_dist

misc_info 8-12 bands uncovered; (Bogert et. al 1987. Cell 51:929-940.); 7.0 kb fragment two locations are on 3rd and X chromosome.

full citation Stathakis D; Nomyk T; Wright T. 32nd Drosophila Conference, Chicago 1991.

contact_person Stathakis D ph FAX
lab_address Department of Biology
address_line1 University of Virginia
address_line2 McCommick Rd. Gilmer Hall
address_line3 Charlottesville, VA 22901
address_line4

keywords

- DROSOPHILA GENMAPS DATABASE REPORT FORM

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location: 37B1C keys for this paper:

Gene/mutant name: l(2)37BC

abbreviation: Bc

biochemical name/product: BC protein

(1) CLONES: Bc 14.75 kb λR:24

kb_genomic: 160 Kb vector/library name: λ/charon 4 Maniatis Canton-S

kb_cDNA: 1.67 Kb vector/library name: pNB40 embryonic (Boggert et al 1986 Cell 51:921-927)

METHOD: genomic

prior clone: from Ruth Steward walk:

~~differential~~ screen: cDNA 1.67 using genomic for

expression: oligonucleotide: PCR? first transform

microclone:

homology: transposon tag:

(2) REARRANGEMENTS: Df(2L)TW130, Df(2L)ED15, Df(2L)hkUC1, Df(2L)VA18 and Df(2L)hkUC2

(3) TRANSFORM INSERTS: 7.0 Kb ~~insert~~ two locations Kb one on 3rd and one on X chromosome

(5) SEQUENCE:

kb_genomic: accession number:

kb_cDNA: 1.67 Kb accession number:

ORF-size: 1,275 bp 425aa

ORF_function/homology group: Cryptydine protein Kb

ORF_domains: Histone-rich domain

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 1.7 Kb

distribution:

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO: 8-12 hours ~~progress~~

John Merriam
UCLA Drosophila Genmaps Database

FAX [redacted]

3/18/91

FAX: D. Stathakis, T. Nomyk, T Wright
Dept of Biol, Univ of Virginia
Mc Cormick Rd, Gilmer Hall
Charlottesville, Va 22901

Help!

Your article, listed below, is likely to have cloning or molecular information that should be listed in Drosophila Genmaps. As you know, the clone list has been useful to Drosophila workers in finding start points for their walks. The database is organized by references, so that the original cloning paper from each lab is cited as key #1, with their subsequent papers cited by subject. The clone list is therefore also a gene-by-gene literature index. The clone list is now mounted on the Indiana University BioArchive computer bulletin board in the FLY subdirectory. Use Internet address 129.79.1.101 and your local File Transfer Program.

Please take a few minutes to complete this form and return to me by FAX or mail. On separate sheet(s) we print out the information we have already from your lab on this gene. Send back to us any corrections you may have. If we missed any previous papers, make copies of this form to describe each earlier paper. Include your FAX number. If you think that one of your co-authors would be a better contact for us, feel free to send them this letter with your request to answer it.

I thank you for your help as always. With your prompt and generous support I can include your results in the next update on the bulletin board. -- John

CITATION:

32nd Drosophila Conference Chicago 1991

--> List the Gene name:	and its Chromosome location:
l(2) 37 Bc	37 B

KEYs 1-8: Please check off those boxes which describe THIS PAPER

Describe your results in detail on the reverse side.

- ☑ 1 Genomic or cDNA clones obtained.
- ☐ 2 Rearrangement breakpoints found in clone.
- ☐ 3 New location of transformed insert.
- ☑ 5 Sequence obtained.
- ☐ 6 Transcript obtained.
- ☐ 7 Protein described by antisera.
- ☐ 8 Promoter fusion studies.
- ☐ No cloning or molecular information about gene

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