Df(2R)CA53
Df(2R)H23
cn

FBrf0075183

(426)

ren, Bill
Department of Biochemistry, Faculty of Science
Australian National University
PO Box 4
anberra, ACT 2601

arren B (1988) 29th Annual Drosophila Conference

3E6,8

OK - 43E6-8 _____ location changes

50kb in EMBL3 _____ kb per location?

Genomic _____ genomic or cDNA?

key details of cloning method

Walk, starting from GapdH clone obtained from Dave Sullivan. He isolated it by homology to Yeast Gapdh. Contains cinnabar _____ walk/jump

_____ homology

_____ transposon tag

_____ expression, etc

_____ oligonucleotide

_____ other (specify)

Please change contact addressee to Dr A.J. Howells

s the reference correct? (changes?) _____

our name Dr. A.J. Howells

elephone number [redacted]

X number [redacted]

e return to John Merriam, Biology Department,
ity of California, Los Angeles, CA 90024

[redacted]

REPORT FORM

THE DROSOPHILA CLONE LIST BY CHROMOSOME LOCATION

Corrections and additions may be sent using this report form or by using a copy of the page from the list.

New fields version 7/24/87 RECORD NO 1393 REF NO. 421

4. Date Feb 1989
5. Location 43E6-E8
6. Table Num (0) 1 2 3 (4) (5) (6)
7. Clone Name Glyceraldehyde 3 Phosphate Dehydrogenase
8. Genes Info cinnabar included in walk
9. Stock Orgn Canton S
10. KB Size 50
11. Cross Ref
12. Misc Info Walk still within Df(2R)H23 and Df(2R)Ca53
13. Reference Warren and Howells (in prep)
14. Breakpoint
15. BPCont1
16. BPCont2
17. T Strain
18. Markers
19. DIS Vol
20. Comments
21. KB Sequenced
22. Coordinates

best

key to Table num for this record: 0 = new data and ref on clone previously entered, 1 = clone, 2 = rearrangement breakpoing, 3 = insert, 4 = walk, 5 = sequenced, 6 = transcription unit. multiple entries ok (ie 1,2,4,5,6)

OLC

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SANTA BARBARA • SANTA CRUZ

December 20, 1990

FAX: [redacted]

A.J.
Howells, ~~M.~~
Department of Biochemistry, Faculty of Science
Australian National University
GPO Box 4
Canberra, ACT 2601

John Merriam
UCLA Drosophila Genmaps Database
DEPARTMENT OF BIOLOGY
405 HILGARD AVENUE
LOS ANGELES, CALIFORNIA [redacted]
FAX [redacted]

Dear Colleagues:

I would like to use information from the clone list to construct a "physical map" of the Drosophila genome. You have (a) clone(s) listed, as described below, so I would [redacted] enlist your help. What I need for this project are the names and locations of chromosome rearrangement breakpoints that lie within the region of your clone/walk. Mapping breakpoints is the most reliable way of connecting the molecular with the cytological scales.

As you know, the clone list has been useful to Drosophila workers in finding starting points for their walks. The bibliography is organized by references, so that the original cloning paper from a lab is cited as key #1, with subsequent papers cited by subject (key #5 is sequence information, for example). 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. It will be most useful if you can update your clone sizes and make more exact your clone locations. Make any other changes you want also. List the rearrangements and which breakpoints you have identified. Any cytologically visible rearrangement (deletion, inversion, translocation, transposition, duplication) is useful. Please indicate if the same citation is the best reference, or indicate a better one (or a personal communication).

I thank you for your help as always. With your prompt and generous support I can expect to show you the results in March at the Chicago fly meeting.

List Rearrangements :	Breakpoint found:	Other breakpoints:
misc 50 kb region is deleted	in both Df(2R)CA53 and	Df(2R)H23
Also deleted in cytological	normal l(2)cn^{84h80}, contains the distal	
breakpoint of l(2)cn^{79b9}		

(Alexandrov (1984) DIS 60 : 45-47)

CHANGE or CONFIRM Indexing for original clone cit'n: Location__ Clone sizes__ Names/Products__

~~Warren B (1988) 29th Annual Drosophila Conference~~ ✓ Warren, W.D + Howells, A.J. (1989) 30th Annual Drosophila Conference (paper in preparation)

Location	Key	kb gen/cDNA	Gene name (abbreviation) product rearrangements...
43E6,8	1,6	50 0	Glyceraldehyde-3-phosphate dehydrogenase (gapdh)

0.8 (cinnabar (cn)

~~Arise~~ .8 kb cDNA vector cn

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9/3/92

John Merriam
UCLA Drosophila Genmaps Database

DEPARTMENT OF BIOLOGY
405 HILGARD AVENUE
LOS ANGELES, CALIFORNIA 90024-1606
FAX [redacted]

complete your FAX number here: [redacted]

Warren B & Howells, AJ.
Department of Biochemistry, Faculty of Science
Australian National University
GPO Box 4
Canberra, ACT 2601

Dear Colleagues,

We need your **help** in forming a **Restriction Map** of the *Drosophila melanogaster* genome. Our task is to collect information for a physical map of genes (clones and walks) based on restriction sites. Already a physical map of clones exists based on collected information about the band locations of clones (see Science 254: 221). The next step will provide a higher resolution framework for organizing information in the Drosophila genome data base project.

The most important information we would like to receive from you is the restriction map you have for the gene cn, gapdh 1. Of course we mean a map for as much of that chromosome region as you have. The best form of information for us would be a table or list of the coordinates (in Kb) of restriction sites. We will also be happy to accept a Xerox copy of any map you already have available, with the gene name, scale, symbol legend to enzymes, lab name and/or reference attached. It would be very helpful if you could include the locations of other details on a line drawing for future physical annotations. We would like to see the following features on your scale diagram:

* transcript units with origin and exons
* alternate splices or cDNAs if different from above
* sequenced intervals with accession nos.
* breakpoints of rearrangements (named)
* STS or any other landmarks

With this request we are initiating a new data base direction for us. That is to record, for each laboratory or project, the kb coordinates of the gene or chromosomal region of interest. The information you send us should represent your most up-to-date and comprehensive map. Separately we will continue to record the data for individual publications. By using records from both projects together we maintain a link between publications and the physical restriction map.

We would also like to use this opportunity to verify our records and have enclosed information we believe to be presented in individual publications. Please review each record with respect to the questions listed below. Make revisions directly on the copy and send corrected copies back to us.

* are the gene name and abbreviation informative, acceptable?
* is the information accurate?
* is the information in each report restricted to data that was presented for the first time in the corresponding paper? For example Table/Section 1 should be filled out only for those publications describing isolation of DNA clones.
* has this meeting report or communication been published? Please provide the citation.
* are the name, address, phone and Fax nos. up to date?

Thank you for your assistance with this project which will benefit all Drosophila workers. We hope to present initial results at the 1993 Drosophila meetings. To do this we need your response as soon as possible. Please check the appropriate box below and send back or Fax this form along with your list or map. John

- [x] map or coordinates enclosed
- [ ] no map available
- [ ] send request to _____ at _____

OPHILA GENMAPS DATABASE RECORD PRINTOUT 1/21/92
n corrections to John Merriam, UCLA Biology,
Angeles, CA 90026-1606; FAX [redacted]

source_number

full_location 43E6,8

table_numbers 1,6 cross_locations

gene_name cinnabar; Gapdh1

gene_abbrev cn;Gapdh1

product Kynurenine-hydroxylase;Glyceraldehyde-3-phosphate dehydrogen

1 kb_cloned_genom 50 vector_genomic EMBL3

kb_cloned_cDNA 0.8 vector_cDNA cn

METHOD: expression walk_jump_org xxx YACs 0

microcioning oligonucleotide

homology transposon_tag

clonetechtext walk within Df(2R)H23 and Df(2R)CA53 = GapdH clone obtained from Dave Sullivan (he isolated this clone by homology to yeast Gapdh), walk contains Cinnabar

2 rearrangement Df(2R)CA53;Df(2R)H23

3 T_strain

markers

5 kb_seq_genomic 12.3 ø acc_number_gen kb_seq_old 0

kb_seq_cDNA 0.8 ø acc_number_cDNA

comments ~~no #6 info included~~ sequences n[illegible] yet published

ORF_size

ORF_function

ORF_domains

6 kb_trans_size —

transc_dist

7 protein_dist

8 fusion_dist

misc_info 50kb region is deleted in both Df(2R)CA53 and Df(2R)H23. Also deleted in cytological normal l(2)cn-84h80, contains the distal breakpoint of l(2)cn-79b9 (Alexandrov 1984 DIS 60:45-47) Transcription unit located b[illegible]een Gapdh1 & cn appears to encode Drosophila calcineurin B.

full citation Warren B & Howells, AJ. 30th Annual Drosophila Conference 1989. (paper in preparation)

contact_person Howells, AJ ph [redacted] FAX [redacted]

lab_address Department of Biochemistry, Faculty of Science

address_line1 Australian National University

address_line2 GPO Box 4

address_line3 Canberra, ACT 2601

address_line4

keywords

0313

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SANTA BARBARA • SANTA CRUZ

December 20, 1990

John Merriam
UCLA Drosophila Genmaps Database
DEPARTMENT OF BIOLOGY
405 HILGARD AVENUE
LOS ANGELES, CALIFORNIA 90024-1606
FAX [redacted]

FAX: [redacted]

Howells, J.A.
Department of Biochemistry, Faculty of Science
Australian National University
GPO Box 4
Canberra, ACT 2601

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Warren B (1988) 29th Annual Drosophila Conference

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