Df(1)KA6 268 AB1F0075252
Df(1)m-30 also M

...a clone list report form ver 12/6/89

update

_____ record #_____ reference#_____

please return to:

John Merriam
Biology Department
Univ California
Los Angeles, CA 90024

FAX # [redacted]
phone [redacted]

1 2 3 5 6 7 8

ation gene name abbrev product cross loc rearrange Tstrain marker

ET2 m-dy - -

- loci maps within an approximately 40-kb segment of an 85-kb chromosome walk (as defined by chromosome bkpt. analyses)

Breakpoints molecularly localized: (~~Df(1)m-30(L), Df(1)m259-4(R)~~, Df(1)KA6(L)) ← inferred at rearrangement

jump / jump / walk
origin

genomic kb seq._____accession#_____

blogy_____
origin

cDNA kb seq._____accession#_____

nsposon tag_____
name

ORF_____
#amino acids

A_____
express, enrich, or +/-

kb transcript(s)_____

gonucleotide_____
sequence

product distribution_____

rocloning_____
PCR?

omic kb cloned 85 vector λCh4A, LJ1.

A kb cloned_____vector_____

c (promoters, transmembrane, DNA binding, etc)_____

ords_____

E-mail available

(208) 2/26/96

cloned by L. Marsh, E2
we used his sequences to
jump to 10E1,2.

kson, F Rob
Worcester Foundation of Experimental Biology
22 Maple Ave.
Shrewsbury, Massachusetts 01545

Jackson FR, Worcester

C 10C2,3 10E 64A3,5
↓
1CE1,2

_____ location changes

_____ kb per location?

_____ genomic or cDNA?

key details of cloning method

_____ walk/jump

_____ homology

_____ transposon tag

_____ expression, etc

_____ oligonucleotide

_____ other (specify)

Is the reference correct? (changes?)_____

Your name F. Rob Jackson

telephone number [redacted]

FAX number Email: [redacted]

Please return to John Merriam, Biology Department,
University of California, Los Angeles, CA 90024
FAX # [redacted]

Sue's fields RECORD NO. ~~11~~ 146 147 REF NO. ~~354~~ 268
12/18/86

4 DATE 3/31/87

5 LOCATION 10C2,3 ~~(10E1,2~~ 1195 10E1,2 (or crossref for 10C2,3

7 CLONE NAME lambda Dm 10C/10E

8 GENES INFO near m-dy complex

9 STOCK ORGN Df(1)m 259-4 ~~Harwich~~

10 KB SIZE

11 CROSS REF ~~10C1,2~~ ~~10E1,2~~

12 MISC INFO ~~λgt10 clone of 2.1 Kb EcoRI~~ junction fragment from Df(1)m 259-4

13 REFERENCE1

14 BREAKPOINT Df(1)m 259-4

17 CRREFBP 10E1,2

18 REFERENCE2

19 T STRAIN

22 MARKERS

23 CRREFINS

24 REFERENCE3

25/26 DIS VOL/COMMENTS 65

1 LIST NUMBER

2 REF NUM 268

3 LAB ADDRES ~~Worcester~~ Worcester Foundation
1 of Experimental Biology
2 222 Maple Ave.
3 Shrewsbury, ~~MASS~~ MA 01545
4 "

8 FULL CITN ~~Elliott~~ Elliott and Jackson
unpublished results

9 LAST NAME ~~Rat~~ Jackson, Rob

Hello John!

COPY THIS SIDE OF FORM FOR USE. SEE OTHER SIDE FOR INFORMATION.

Please return completed forms to:

Dr. John Merriam
Department of Biology
University of California
Los Angeles, CA 90024

Use this form to report new information on clones, breakpoints known within a cloned sequence, and transformed inserts. (see DIS 61: 1-9, 1985)

I. **Report on Cloned DNA**

A. Chromosome Location: X, regions 1CC 2-3 and 1CE 1-2

B. Clone Name: λ Dm 1CC/1CE

C. Genes in Clone: near m-dy complex (1CE sequences).

D. Other information (strain, size, DNA sequence, restriction map references, misc.):

λgt10 phage clone of 2.1 kb EcoR1 'junction' fragment from Df(1)vn259-4. Contains sequences from 1CC 2-3 & 1CE 1-2

E. Literature Reference to Clone:

Elliott, K. and Jackson, F.R., unpublished results.

II. **Report on Locating Rearrangement Breakpoints**

A. Chromosome Location (of previously reported clone):

B. Rearrangement name:

C. Additional Rearrangement Breakpoints (not in clone):

D. New Order (if known):

E. Literature reference to mapping rearrangement within clone:

III. **Report on Location of Tranformation Inserts**

A. List Transformant Name, Insertion sites, and Markers present: Denote gene name and allele symbol (whether + or altered): <continue on back if necessary.>

B. Literature reference to Transformation:

IV. **Lab Information: (Names, Lab Address, and Phone #)**

****** continue on back of this sheet ******

Kathy Elliott
F Reb Jackson
+1 [illegible]

Worcester Fnd. of Exp. Biology
222 Maple Ave
Shrewsbury MA 01545

DEC 20 '90 12:13

1562 25 268

UNIVERSITY OF CALIFORNIA, LOS ANGELES dc

UCLA 258

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SANTA BARBARA • SANTA CRUZ

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

December 20, 1990

FAX: [redacted]

Jackson, F Rob
Worcester Foundation of Experimental Biology
222 Maple Ave.
Shrewsbury, Massachusetts 01545

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 like to 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 database 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:

CHANGE or CONFIRM indexing for original clone cit'n: Locations __ Clone sizes __ Names/Products __

Jackson FR, Worcester

new source Harry Mash, UCDavis existing SUL 156 (V)

Location	Key	kb gen/cDNA		Gene name (abbreviation) product rearrangements..
4C	1	10	0	(unn)
10C2,3	1	10	0	[redacted] (m-d)
10C2,3	2	0	0	Df(1)m259-4
10F1,2	1,2	85	0	andante region (m-d); Df(1)m259-4 (prox), Df(1)m 30(L), Df(1)KA6(L)

Delete entirely; I didn't clone this, and it's not near

OK update 2.5?

268

DROSOPHILA GENMAPS DATABASE REPORT FORM

Return to John Merriam, UCLA Biology, Los Angeles, CA 90026-1606; FAX [redacted]

location: 10E1,2 keys for this paper: old Table 6 5/4/9

Gene/mutant name: miniature - dusky -> 1, 2, 6

abbreviation: m-dy

biochemical name/product: unknown

(1) CLONES:

kb_genomic: 80 kb vector/library name: ch 4A / Maniatis

kb_cDNA: 4 + 1 vector/library name: gt10 / 0-24-h embryo

METHOD:

prior clone: walk: ✓

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: transposon tag:

(2) REARRANGEMENTS: same as last update

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

kb_genomic: 2-3 kb accession number:

kb_cDNA: ~5 kb accession number:

ORF-size:

ORF_function/homology group:

ORF_domains:

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 4.2 kb, 3.2 kb.

distribution:

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO:

SN 268

3/18/91

John Merriam
UCLA Drosophila Genmaps Database

FAX [redacted]

FAX: S. DiBartolomeis, F. Jackson
Worcester Foundation for Experimental Biology
222 Maple Ave.
Shrewsbury, Massachusett 01545

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:

23, 226 32nd Drosophila Conference Chicago 1991

--> List the Gene name: and its Chromosome location:

miniature-dusky (m-dy)	X - 10E1-2

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

Describe your results in detail on the reverse side.

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

20 268

WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY

222 Maple Avenue
Shrewsbury, MA 01545

Telephone (508) 842-8921
Fax Phone (508) 842-9632

PLEASE DELIVER THE FOLLOWING PAGE(s) TO:

NAME: John Merriam

FIRM: Biology / UCLA

FAX NO: [redacted]

FROM: R. Jackson **FAX NO** [redacted]

NO. OF PAGES INCLUDING THIS ONE: 2; **DATE SENT:** 2/21; **TIME SENT:** 5PM

MESSAGE:

Hi John,

The searches are going slowly, but I don't really have to move, so that's o.k. I'll fill you in at Flybie. Maybe we can have lunch one day.

Please check appropriate selection(s): Original will not follow ✓:

Original will follow ___ **via: Regular Mail** ___; **Overnight Deliv.** ___; **Hand Deliv.** ___; **Other** ___

If there is any problem receiving this transmission, please call [redacted], Ext. 164 (Gerry Stone)

This message is transmitted by a RICOH FAX 20

268

SOPHILA GENMAPS DATABASE REPORT FORM

(urn to John Merriam, UCLA Biology, Los Angeles, CA 90026-1606; FAX [redacted]

check for SW rev? protein? polytene? do not replace publication

ation: 10E2 keys for this paper:

Gene/mutant name: dusky (of the m-dy complex).

abbreviation: dy

biochemical name/product:

(1) CLONES:

kb_genomic: ~8 kb vector/library name: λ clones 4A

kb_cDNA: ~4.0 kb vector/library name: λ gt10

METHOD:

prior clone: walk: ✓

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: transposon tag:

(2) REARRANGEMENTS: rr, m^MW, m^38c dy^1, [redacted] & dy^73 mapped within region; also Df(1)RA6, Df(1)m-30, Df(1)m^259 breakpoints (in 10E1-2).

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

kb_genomic: accession number:

kb_cDNA: 3961 bp accession number: M84606 (Genbank)

ORF-size: 697 a.a.

ORF_function/homology group:

ORF_domains: Possible transmembrane segment; multiple OPAs; glutamine-rich domain

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 4.2 kb (1, mRNA!)

distribution:

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION [illegible]AIN:

distribution:

obtain

MISC_INFO: We have mapped the dy mRNA, & know where 3 miniature breaks map, but have not identified the miniature mRNA. The two functions are possibly encoded within adjacent regions, rather than

MNV 122892 a.c.

DROSOPHILA GENMAPS DATABASE RECORD PRINTOUT - 8/27/92
Return corrections to John Merriam, UCLA Biology,
Los Angeles, CA 90026-1606; FAX [redacted]

source_numbe 268

full_location: 10E1,2

table_numbers: 1,2,5,6 cross_locations: 10C2,3

gene_name: andante region ; miniature-dusky

gene_abbrev: m-dy

product:

1 kb_cloned_genom: 80 vector_genomi: lambda Ch4A, lambda J1

kb_cloned_cDNA: 4 vector_cDNA: lambda gt10 / 0-24hr embryo

METHOD: expression: walk_jump_org: xxx YACs: 0

microcloning: oligonucleotide:

homology: transposon_tag:

clonetechtext: walk/jump from 10E1,2 end of Df(1)m259-4; locus maps w/in 40kb segment of an 85kb chromosome walk

2 rearrangement: Df(1)m259-4(R), Df(1)m-30(L), Df(1)kA6(L), m-1, m-mw, m-38, dy-73

3 T_strain:

markers:

5 kb_seq_genomic: 3 acc_number_gen: kb_seq_old: 0

kb_seq_cDNA: 4 acc_number_cDNA: M84606

comments:

ORF_size: 697

ORF_functio:

ORF_domain: Possible transmembrane segment; multiple OPAs; ~~glutamine~~ proline-rich domain

6 kb_trans_size: 4.2, 3.2

transc_dist:

7 protein_dist:

8 fusion_dist:

misc_info: breakpoint molecularly localized: Df(1)m-30(L), Df(1)m-259-4(R), Df(1)kA6(L). Two cDNA clones: 4kb and 1kb, both have also been sequenced. We have mapped the dy mRNA, and know where 3 miniature breaks map, but have not; identified the miniature mRNA. The two functins are possibly

full citation: Jackson FR, Worcester

contact_person: Jackson, F Rob ph [redacted] FAX [redacted]
lab_address: Worcester Foundation of Experimental Biology
address_line1: 222 Maple Ave.
address_line2: Shrewsbury, Massachusetts 01545
address_line3:
address_line4:

keywords

DROSOPHILA GENMAPS DATABASE RECORD PRINTOUT - 1/9/95
Return corrections to John Merriam, UCLA Biology,
Los Angeles, CA 90026-1606; FAX [redacted]

source_number 268

full_location: 10E1,2
table_numbers: 1,2,5,6 cross_locations: 10C2,3

gene_name: andante region ; miniature-dusky
gene_abbrev: m-dy
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kb_cloned_cDNA: 4 vector_cDNA: lambda gt10 / 0-24hr embryo

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3 T_strain:
markers:

5 kb_seq_genomic: 3 acc_number_gen: kb_seq_old: 0
kb_seq_cDNA: 4 acc_number_cDNA: M84606

comments:
ORF_size: 697
ORF_functio:
ORF_domain: Possible transmembrane segment; multiple OPAs; proline-rich domain

6 kb_trans_size: 4.2, 3.2
transc_dist:

7 protein_dist:

8 fusion_dist:

misc_info: breakpoint molecularly localized: Df(1)m-30(L), Df(1)m-259-4(R), Df(1)kA6(L). Two cDNA clones: 4kb and 1kb, both have also been sequenced. We have mapped the dy mRNA, and know where 3 miniature breaks map, but have not; identified the miniature mRNA. The two functins are possibly

full citation: Jackson FR, Worcester

contact_person: Jackson, F Rob ph 5[redacted] FAX [redacted]
lab_address: Worcester Foundation of Experimental Biology
address_line1: 222 Maple Ave.
address_line2: Shrewsbury, Massachusetts 01545
address_line3:
address_line4:

keywords