Mdr65 (FBrf0075221)

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

UCLA 2426

SANTA BARBARA • SANTA CRUZ

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

8/30/91

FAX:

Wu CT; Budding M; Griffin MS; Croop JM
Harvard University
School Medicine
Dana Farber Cancer Institute
Division of Pediat Hematol Oncol
Boston, MA 02115

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:

Wu CT; Budding M; Griffin MS; Croop JM. Isolation and characterization of Drosophila multidrug resistance gene homologs. Mol Cell Biol 1991 Aug;11(8):3940-8.

--> List the Gene name:	and its Chromosome location:
Mdr65	65A

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

PHILA GENMAPS DATABASE REPORT FORM

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

...tion: 65.7 keys for this paper:

Gene/mutant name: Mdr 65

abbreviation:

biochemical name/product: P-Glycoprotein - Multidrug Resistance Gene

(1) CLONES:

kb_genomic: vector/library name:

kb_cDNA: vector/library name:

METHOD:

prior clone: Mdr 65 walk:

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: transposon tag:

(2) REARRANGEMENTS:

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

kb_genomic: accession number:

kb_cDNA: 4.2 accession number: M29717

ORF-size: 1332 AA

ORF_function/homology group: Multidrug resistance Gene

ORF_domains: ATP Binding site

(6) TRANSCRIPT DESCRIPTION:

transcript_size:

distribution:

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO:

MNV 5/5/92

UNIVERSITY OF CALIFORNIA, LOS ANGELES

UCLA

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

~~2934~~

SANTA BARBARA • SANTA CRUZ

4/17/92

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

FAX [redacted]

complete your FAX number here:

Croop J; Budding M; Griffin M; Wu C
Pediatric Oncology
Dana Farber Cancer Inst.
44 Binney Street
Boston, MA 02115

Dear Colleagues,

Great progress has been made toward a molecular description of the Drosophila genome. This can be seen from the wall chart of Drosophila chomosomes in the Oct 11 1991 issue of Science (review: Science 254, 221-225). A summary file showing the cytological locations of cloned DNA, rearrangement break points, and transposable element insertions (called clonelist.txt) has been posted on the file server FLY.BIO.INDIANA.EDU for electronic access using FTP.

Your article, listed below, is likely to have cloning or molecular information that should be listed in the Drosophila Genmaps. Please take a few minutes to complete this form and return to me by FAX or mail. 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, schelduled for June. -- John

CITATION:

Croop J; Budding M; Griffin M; Wu C. Isolation and characterization of Drosophila multidrug resistance gene homologues. 33rd Annual Drosophila Research Conference 1992.

--> List the Gene name:	and its Chromosome location:
[redacted] MDR65	[redacted] 65A

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

DROSOPHILA GENMAPS DATABASE REPORT FORM

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

location: 4.5A keys for this paper:

Gene/mutant name: multidrug resistance gene

abbreviation: MDR 65

biochemical name/product: P-Glycoprotein

(1) CLONES:

kb_genomic: vector/library name:

kb_cDNA: vector/library name:

METHOD:

prior clone: walk:

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: ✓ transposon tag:

(2) REARRANGEMENTS:

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

kb_genomic: accession number:

kb_cDNA: 4.2 accession number:

ORF-size:

ORF_function/homology group: ABC transporter, MDR

ORF_domains:

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 4.5, 6.5, 9 kb

distribution:

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO: