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SANTA BARBARA • SANTA CRUZ

December 20, 1990

Dromsopd

FAX: [redacted]

John Merriam
UCLA Drosophila Genmaps Database
DEPARTMENT OF BIOLOGY
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Biochemistry Department
2160 S First Ave
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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 ✓

Kelley MR; Venugopal S; Harless J; Deutsch WA. Antibody to a human DNA repair protein allows for cl oning of a Drosophila cDNA that encodes an apurinic endonuclease. Mol Cell Biol 1989 Mar;9(3):965-73.

Location	Key	kb gen/cDNA	Gene name (abbreviation) product rearrangements...
79CD	1,5,6	1.5 1.3	AP endonuclease (AP3) mutagen induced repair / ribosomal protein gene homology

Presumptive

79CD SN 1566

this gene is a new gene

Note: ≃3-5 kb upstream of this [redacted] in [redacted] gene "Dromsopa" which is a 0.8 kb adult, male specific [redacted] cDNA. It has been submitted to the EMBL data library (acc # X56491). It has an "Opa" repetitive

the new record