ABrf0075197

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4/8/92

John Merriam
UCLA Drosophila Genmaps Database

complete your FAX number here: [redacted]

Jones R; Gelbart W
Biological Sciences
Southern Methodist Univ.
Fondren Science BLDG
Dallas, TX 75275

FAX [redacted]

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:

Jones R; Gelbart W. Molecualr analysis of the Poylcomb-group gene Enhancer of zeste [E(z)]. 33rd Annual Drosophila Research Conference 1992.

--> List the Gene name:	and its Chromosome location:
Enhancer of zeste [E(z)]	67E3,4

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

also SN 499 earlier record some info

DROSOPHILA GENMAPS DATABASE REPORT FORM

K Jones ds.1.93

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

MNV 5/5/92

location: 67E3-67E4 keys for this paper: 1, 5

Gene/mutant name: Enhancer of zeste

abbreviation: E(z)

biochemical name/product:

(1) CLONES:

kb_genomic: ~70 kb vector/library name: λDASH (E(z)^{1R1}/mw6), [redacted] (isogenic e "third chrom.")

kb_cDNA: ✓2.5 kb vector/library name: λNB40 - 0-4 h embryo - Brown + Kafatos

METHOD:

prior clone: walk: X

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: transposon tag:

(2) REARRANGEMENTS: E(z)^{1R1} = T(2;3)21C1-2;67E3-4

(3) TRANSFORM INSERTS: Not cytologically mapped -- just by Chromosome

(5) SEQUENCE:

kb_genomic: accession number:

kb_cDNA: ✓2.5 kb accession number:

ORF-size: 2280 bp

ORF_function/homology group: 53 a a near C terminus of E(z) are similar to C terminal domain of Trithorax

ORF_domains:

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 2.5 kb (major) + 3.3 kb (minor)

distribution: Only Northern data 2.5 kb. Most abundant in early embryos, decreasing in late embryos, very low in larvae, increases in pupae + adult ♂ + ♀. Minor 3.3 kb RNA only visible in zygotically-produced embryonic RNA, larvae, pupae + adults.

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO: < 0.5 kb from haywire (hay) & in opposite orientation