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4/7/92

John Merriam
UCLA Drosophila Genmaps Database

complete your FAX number here:

Lee J; Von Kessler D; Parks S; Beachy P
Molecular Biology & Genetics
Johns Hopkins Sch. of Med.
725 N. Wolfe St. PCTB 714
Baltimore, MD 21205

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:

Lee J; Von Kessler D; Parks S; Beachy P. Isolation and characterization of the hedgehog segment polarity gene. 33rd Annual Drosophila Research Conference 1992.

--> List the Gene name:	and its Chromosome location:
hedgehog	94 D-E

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.
- [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: 94D1 keys for this paper: 1, 6, 8

Gene/mutant name: wedgelacq

abbreviation: hi

biochemical name/product:

(1) CLONES:

kb_genomic: ✓ vector/library name: Lambda - Manniatis

kb_cDNA: ✓ vector/library name: 1-7 kb Nick Brown

METHOD:

prior clone: walk:

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: transposon tag: ✓ plasmid rescue

(2) REARRANGEMENTS:

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

kb_genomic: accession number:

kb_cDNA: 2.4 kb accession number:

ORF-size: 1.1

ORF_function/homology group: none detected in database searches by FASTA and TFASTA
10 motifs detected by Blocks (Henikoff and Henikoff 1991) NAR 19, 6565-6572

ORF_domains:

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 2.4 KB

distribution: Segment-polarity-type expression in embryos. Very low expression in 1st + 2nd instar, Peaks again in pupae, present in adults (but lower than in pupal)

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO: created two strong hi alleles by excision of element and three weak alleles