Hnf4

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4/22/92

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

FAX [redacted]

complete your FAX number here: [redacted]

Zhong W; Darnell JE,JR
Rockefeller University
1230 York Avenue
New York City, NY 10021

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, scheduled for June. -- John

CITATION:

Zhong W; Darnell JE,JR. The expression pattern of a Drosophila homolog to the mouse transcription factor HNF-4 suggest a determinative role in gut formation. 33rd Annual Drosophila Research Conference 1992.

--> List the Gene name:	and its Chromosome location:
HNF-4 (D)	29E

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: 79E keys for this paper:

Gene/mutant name: HNF4(D)

abbreviation:

biochemical name/product:

(1) CLONES:

kb_genomic: ~ 30 vector/library name: λEMBL3

kb_cDNA: 3.7 vector/library name: pBluescript SK(-) & p[redacted]

METHOD:

prior clone: walk:

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: rat HNF4 [HNF-4] transposon tag:

(2) REARRANGEMENTS:

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

kb_genomic: accession number:

kb_cDNA: 3.7 accession number:

ORF-size: 2001 bp - ?

ORF_function/homology group: homologous to mouse/rat liver enriched transcription factor HNF4

ORF_domains: steroid hormone receptor superfamily DNA binding and ligand binding domain

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 3.3 Kb & 4.6 Kb

distribution: midgut, fat bodies, malpighian tubules, salivary gland and oenocytes

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO: