FBrf0075180

ade2

MIN 5/7/92

2891

4/10/92

John Merriam
UCLA Drosophila Genmaps Database

complete your FAX number here: [redacted]

Tiong S; Nash D
Genetics
University of Alberta
Edmonton, Albetta, T6G 2E9
Alberta
Canada

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:

Tiong S; Nash D. Molecualr analysis of the adenosine2 (ade2) locus of D. melanogaster. 33rd Annual Drosophila Research Conference 1992.

--> List the Gene name:	and its Chromosome location:
adenosine2	26B1-2

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: 26 B1,2 keys for this paper: 1,2,5,6

Gene/mutant name: adenosine 2

abbreviation: adc 2

biochemical name/product: FGAR - amidotransferase

(1) CLONES:

kb_genomic: ✓ 32 vector/library name: λEMBL4 / OR-R (Amherst)

kb_cDNA: ✓ 3.7 vector/library name: λgt10 / OR-R (Poole et al, 1985)

METHOD:

prior clone: λ297 (H2.0 locus Barad et al 1988) walk: ✓

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: transposon tag:

(2) REARRANGEMENTS: T(2;3) adc 2^9 (26B2; 2-97C5-9)

adc 2^8 (26B1,2; 4F; 57B-C)

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

kb_genomic: 5.3 kb accession number:

kb_cDNA: 3.7 kb (incomplete) accession number:

ORF-size: 1354 aa

ORF_function/homology group:

ORF_domains:

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 4.4 kb

distribution:

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO: