InaD

FBrf0075215

DROSOPHILA GENMAPS DATABASE REPORT FORM

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

location: 581 - 601 keys for this paper: 1

Gene/mutant name: Inactivation - no - after potential D

abbreviation: InaD

biochemical name/product:

(1) CLONES:

kb_genomic: 7 Kb vector/library name: Manseau genomic library

kb_cDNA: 8 Kb vector/library name: 48hr head cDNA library

METHOD:

prior clone: walk:

expression: photoreceptor cell differential screen: ✓

microclone: oligonucleotide: PCR?

homology: transposon tag:

(2) REARRANGEMENTS:

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

b_genomic: 3 Kb accession number: not published yet

kb_cDNA: 8 Kb accession number: "

ORF-size: 674 aa

ORF_function/homology group:

ORF_domains: N/A

(6) TRANSCRIPT DESCRIPTION:

transcript_size: 2 kb

distribution: Eye Specific

(7) PROTEIN ANTIBODY:

distribution: photoreceptor

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO:

UNIVERSITY OF CALIFORNIA, LOS ANGELES

UCLA

2923

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

SANTA BARBARA • SANTA CRUZ

4/17/92

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]

Shieh B-H; Niemeyer B; Kline G; Zuker C
Pharamacology
Vanderbilt University
MRB 454
Nashville, TN 37232

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:

Shieh B-H; Niemeyer B; Kline G; Zuker C. The Inactivation-nor-afterpotential D (InaD) gene encodes a novel polypeptide which is essential for the phototransduction process. 33rd Annual Drosophila Research Conference 1992.

--> List the Gene name:	and its Chromosome location:
InaD	59 B

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.
- [x] 7 Protein described by antisera.
- [ ] 8 Promoter fusion studies.
- [ ] No cloning or molecular information about gene