ems

EBrF0075200

DROSOPHILA GENMAPS DATABASE RECORD PRINTOUT - 8/31/92
Return corrections to John Merriam, UCLA Biology,
Los Angeles, CA 90026-1606; FAX [redacted]

source_numbe 389

full_location 57B

table_numbers 1,5,6 cross_locations ~~88A~~ cad 33F

gene_name W26

gene_abbrev W26

product homeobox protein,transcription factor,homoedomain pr

1 kb_cloned_genom 40 vector_genomi

kb_cloned_cDNA 1 vector_cDNA

METHOD: expression walk_jump_org xxx YACs 0

microcloning oligonucleotide

homology xxx transposon_tag

clonetechtext then two walking steps, homeobox homology with caudal H.B. probe (cad)

2 rearrangement

3 T_strain

markers

5 kb_seq_genomic 0 acc_number_gen kb_seq_old 2.6

kb_seq_cDNA 2.6 acc_number_cDNA

comments

ORF_size

ORF_functio

ORF_domain

6 kb_trans_size 2.7, 2.3

transc_dist embryo proctodeum, ~~midgut~~ hindgut, anal pads and nervous system

7 protein_dist Same as RNA

8 fusion_dist

misc_info cDNA clones show complex splicing with 6 exons, homeobox has intron, 58% paired homo

full citation Walldorf; Gehring. 10th European Drosophila conference, Barcelona 1987. 11th European Drosophila conference 1989.

contact_person Walldorf, Uwe ph [redacted] FAX [redacted]

lab_address Biozentrum

address_line1 University of Basel

address_line2 Klingelbergstrasse 70

address_line3 CH-4056 Basel

address_line4 SWITZERLAND

keywords

DROSOPHILA GENMAPS DATABASE RECORD PRINTOUT - 8/26/92
Return corrections to John Merriam, UCLA Biology,
Los Angeles, CA 90026-1606; FAX [redacted]

source_numbe 389

full_location 88A
table_numbers 1,5,6 cross_locations ~~57B~~ 99B msh (= msh)

gene_name empty spiracles
gene_abbrev ems
product transcription factor,homeodomain pr

1 kb_cloned_genom 25 vector_genomi
kb_cloned_cDNA 2.3kb 0 vector_cDNA
METHOD: expression walk_jump_org YACs 0
microcloning oligonucleotide
homology xxx transposon_tag
clonetechtext homeobox homology --(probe used homeobox; PCR sequence mutants, to 99B msh) (msh)

2 rearrangement

3 T_strain
markers

5 kb_seq_genomic 3.1 2.3 acc_number_gen X66270 kb_seq_old 2.3
kb_seq_cDNA 2.3 0 acc_number_cDNA X66270
comments
ORF_size 1491 nt
ORF_functio homeodomain - containing ORF
ORF_domain Homeodomain, CTK-repeat, poly-alanine, proline-rich

6 kb_trans_size 2.3
transc_dist head, segmental pattern ~~in early anterior~~ (stripe) later a in the embryo, around ~~and late~~ tracheal pits and in post. spiracles

7 protein_dist the same as RNA

8 fusion_dist

misc_info 2 exons w/ H-box at 3'

full citation Walldorf; Gehring. 10th European Drosophila conference, Barcelona 1987. 11th European Drosophila conference 1989. Walldorf and Gehring EMBO J. 11, 2247-2259 (1992)

contact_person ~~Walldorf, Uwe~~ Gehring ph [redacted] FAX [redacted]
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address_line4 SWITZERLAND

keywords

New Fields RECORD NO 1552 REF NO. 389

Version 7/24/87

update record of ref 389

please return to:

John Merriam

Biology Department
Univ California
Los Angeles, CA 90024

FAX # [redacted]

4. Date

5. Location 88A

6. Table Num 0 1 2 3 4 5 6

7. Clone Name

8. Genes Info empty spiracles (ems) HBox

9. Stock Orgn

10. KB Size 20

11. Cross Ref 57B

12. Misc Info PCR sequence mutants, h box homology; 2.3kb RNA in early antenna embryo and late maxillary pits; 2 exons with H box at 3'

13. Reference

14. Breakpoint

15. BPCont1

16. BPCont2

17. T Strain

18. Markers

19. DIS Vol

20. Comments

21. KB Sequenced 2, 3

22. Coordinates

Walldorf, U

~~Kloter, U~~

Gehring, W.

=

Biozentrum, Univ Basel

CH-4056 Basel

Switzerland

11th Euro 1989

key to Table num for this record: 0 = new data and ref on clone previously entered, 1 = clone, 2 = rearrangement breakpoint, 3 = insert, 4 = walk, 5 = sequenced, 6 = transcription unit. multiple entries ok (ie 1,2,4,5,6)

#

[redacted]ring, W.J.

'89

11/18/90

Biozentrum
University of Basel
Klingelbergstrasse 70
CH-4056 Basel, SWITZERLAND

Walldorf and Gehring (1987) 10th Euro Dros conference, Barcelona. 11th Euro

57B	88A (Empty spiracles gene)	location changes
40kb	25kb	kb per location?
genomic	genomic	genomic or cDNA?
		key details of cloning method
2 walking steps		walk/jump
Homeobox homology (Probe caudal H.B)	Homeobox homology (Probe mush Homeobox)	homology
		transposon tag
midgut, anal pads, tracheal system	head, segmental pattern	expression, etc
		oligonucleotide
		other (specify)

Is the reference correct? (changes?)_____

Your name Uwe Walldorf

telephone number [redacted]

FAX number_____

Please return to John Merriam, Biology Department, University of California, Los Angeles, CA 90024
FAX # [redacted]

...ses RECORD NO ~~1888~~ 895 REF NO. 389 update w/389
...rsion 7/24/87 record

4. Date _____ please return to:

5. Location 57B John Merriam

6. Table Num 0 (1) 2 3 4 5 (6) Biology Department
Univ California
Los Angeles, CA 90024

7. Clone Name _____

8. Genes Info (W26) H box protein FAX # [redacted]

9. Stock Orgn _____

10. KB Size ~20

11. Cross Ref 88A

12. Misc Info cad probe, 2-3 kb at 2.7 kb
RNAs in embryos proctodeum, later in CNS,
8 exons in 20 kb TU

13. Reference _____

14. Breakpoint _____

15. BPCont1 _____

16. BPCont2 _____

17. T Strain _____

18. Markers _____

19. DIS Vol _____

20. Comments _____

21. KB Sequenced _____

Wall dorf, U
Gehring, W

Biozentrum,
University Basel
CH-4056
Basel
Switzerland

¤ Help: F1 ¤ Record: ^U ¤ Memo: ^HOM...

CROSS_REF 88A
MISC_INFO 2.6 and 2.2 kb embryonic trnscrpts, cDNA clones show complex splicin
g with 6 exons, homeobox has intron, 58% paired homo
BREAKPOINT
BPCONT1
BPCONT2
T_STRAIN
MARKERS
CRREFINS
DIS_VOL 65
COMMENTS

ED ¤<C:>¤COMPLETE ¤Rec: 895/1918 ¤ ¤Num