UCLA DEPT OF BIOLOGY [redacted] Dec 20 90 15:5? ??

FBrf0075256

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519

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T(1;2)su(s)118 = f83
T(1;2)su(s)128 = m80

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

December 20, 1990

FAX: [redacted]

Voelker, Robert
Genetics Lab
N.I.E.H.S.
Research Triangle Park, NC 22709

Dear Colleagues:

I would like to use information from the clone list to construct a "physical map" of the Drosophila genome. You have (a) clone(s) listed, as described below, so I would like to enlist your help. What I need for this project are the names and locations of chromosome rearrangement breakpoints that lie within the region of your clone/walk. Mapping breakpoints is the most reliable way of connecting the molecular with the cytological scales.

As you know, the clone list has been useful to Drosophila workers in finding starting points for their walks. The database is organized by references, so that the original cloning paper from a lab is cited as key #1, with subsequent papers cited by subject (key #5 is sequence information, for example). The clone list is therefore also a gene-by-gene literature index. The clone list is now mounted on the Indiana University BioArchive computer bulletin board in the FLY subdirectory. Use Internet address [redacted] and your local File Transfer Program.

Please take a few minutes to complete this form and return to me by FAX or mail. It will be most useful if you can update your clone sizes and make more exact your clone locations. Make any other changes you want also. List the rearrangements and which breakpoints you have identified. Any cytologically visible rearrangement (deletion, inversion, translocation, transposition, duplication) is useful. Please indicate if the same citation is the best reference, or indicate a better one (or a personal communication).

I thank you for your help as always. With your prompt and generous support I can expect to show you the results in March at the Chicago fly meeting.

List Rearrangements :	Breakpoint found:	Other breakpoints:

CHANGE or CONFIRM indexing for original clone cit'n: Locations __ Clone sizes __ Names/Products __

Voelker RA; Huang SM; Wisely GB; Sterling JF; Bainbridge SP ; Hiraizumi K. Molecular and genetic organization of the suppressor of sable and minute (1) 1B region in Drosophila melanogaster. Genetics 1989 Jul;122(3):625-42.

Location	Key	kb gen/cDNA	Gene name (abbreviation) product rearrangements...
1B13-C1	1	0 0	lethal(1)1Bi; lethal(1)1Bk (l(1)1Bi;l(1)1Bk)
1B13-C1	1,5,6	0 3.8	Minute(1)Blond (M(1)1B) 130KD protein
1B13-C1	1,5,6	25 5	suppressor of sable (su(s)) 150KD protein

Q: Should there be mult. records at same position? 9/24/90 tone 2/2/90

osophila clone list report form ver 12/6/89

please return to:

John Merriam
Biology Department
Univ California
Los Angeles, CA 90024
FAX # [redacted]
phone

new/update
date 8II90 record # _____ reference# 519
Genetics
122:625

key 1 2 3 5 6 7 8

location	gene name	abbrev	product	cross loc	rearrange	Tstrain	marker
1B13-1C1	suppressor of 5a6k	su(s)	~150 KD nuclear prot				
"	Minute(1)Blond	M(1)Bld	~130 KD protein				
"	Minute(1)1B	M(1)1B					
"	lethal(1)1BL	l(1)1BL	?				
"	lethal(1)1BK	l(1)1BK	?				

make 3 records? currently 1 record ← yes

alk/jump _____ origin

homology _____ origin

transposon tag P element name

cDNA cloned by use of genomic probes express, enrich, or +/-

oligonucleotide _____ sequence

microcloning _____ PCR?

genomic kb seq: su(s) = 8.5kb M(1)1B = 6 kb accession# not yet in data base

cDNA kb seq. su(s) ~ 5kb M(1)1B ~ 3.8kb accession# not yet in data base

ORF su(s) = 1322 aa M(1)1B = 1133 aa #amino acids

kb transcript(s) su(s) = ~ 5kb mature message M(1)1B = ~ 3.8 kb " "

product distribution su(s) - message expressed throughout life cycle

genomic kb cloned ~25 vector EMBL 4

cDNA kb cloned su(s) = ~5kb M(1)1B = ~3.8kb vector BS SK- BS KS+

misc (promoters, transmembrane, DNA binding, etc) su(s) protein - similar to RNA binding proteins M(1)1B protein - no similarity to anything in database

key words su(s) - suppressors M(1)1B - Minutes

fields
rsion 7/24/87 RECORD NO ~~1733~~ REF NO. ~~519~~

Genetics 122: 625
Voelker ---
new ref

4. Date 7/29/87
5. Location 1B10-C1
6. Table Num 0 1 2 3 4 5 (6)
7. Clone Name
8. Genes Info su(s) m(1)Bld and flanking embryonic transcripts
9. Stock Orgn
10. KB Size
11. Cross Ref
12. Misc Info su(s) resorg ~~5~~ kb (embryos) nearby adjacent resorgen on 1/Y (embryo) (l(1)1Bl) 3,5 Y (embryo) (m(1)Bld) 1.5/1.7 (embryo) 1, 4 and 4 (embryo) kb (l(1)1Bl) (embryo and adults)
13. Reference
14. Breakpoint
15. BPCont1
16. BPCont2
17. T Strain
18. Markers
19. DIS Vol 69
20. Comments coordinates
21. KB Sequenced
22. Coordinates

su(s), m(1)Bld and flanking embryonic tran

✓ submitted

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

...fields RECORD NO 1734 REF NO. 519 upgrade record
...rsion 7/24/87

4. Date
5. Location ~~EBE~~ 1B10-C1
6. Table Num 0 1 2 3 4 (5) (6)
7. Clone Name
8. Genes Info
9. Stock Orgn
10. KB Size
11. Cross Ref
12. Misc Info SCI(S) has 5kb RAH from 8kb TU, 1322aa ORF with small section of homology to human 70k U1 sn RAH
13. Reference
14. Breakpoint
15. BPCont1
16. BPCont2
17. T Strain
18. Markers
19. DIS Vol
20. Comments
21. KB Sequenced 8,5
22. Coordinates

please return to:
John Merriam
Biology Department
Univ California
Los Angeles, CA 90024
FAX # [redacted]

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

source_number: 519

full_location: 1B13-C1 cross_locations:

table_numbers: 1,5,6

gene_name: Minute(1)Blond

gene_abbrev: M(1)1B

product: 130KD protein YACs: 0

kb_cloned_genom: 0 vector_genomic: EMBL4

kb_cloned_cDNA: 3.8 vector_cDNA: BKS KS+

expression: xxx

homology:

microcloning:

transposon_tag: xxx

oligonucleotide:

clonetechtext: cloned by use of genomic probes in expression library, P element transposon tag

rearrangement:

T_strain:

markers:

kb_seq_genomic: 6 acc_number_gen: kb_seq_old: 0

kb_seq_cDNA: 3.8 acc_number_cDNA:

comments:

ORF_size: 1133

ORF_function:

ORF_domains:

kb_trans_size: 3.8

transc_dist:

protein_dist:

fusion_dist:

misc_info: M(1)1B protein - no similarity to anything in databases

full citation: Voelker RA; Huang SM; Wisely GB; Sterling JF; Bainbridge SP ; Hiraizumi K. Molecular and genetic organization of the suppressor of sable and minute (1) 1B region in Drosophila melanogaster. Genetics 1989 Jul;122(3):625-42.

contact_person: Voelker, Robert phone_number: [redacted]

lab_address: Genetics Lab

address_line1: N.I.E.H.S.

address_line2: Research Triangle Park, NC 22709

address_line3:

address_line4:

keywords !

source_number: 519

full_location: 1B13-C1 cross_locations:

table_numbers: 1,2,5,6

gene_name: suppressor of sable

gene_abbrev: su(s)

product: 150KD protein YACs: 0

kb_cloned_genom: 0 vector_genomic: EMBL4

kb_cloned_cDNA: 5 vector_cDNA: BK SK-

expression:

homology:

microcloning:

transposon_tag:

oligonucleotide:

clonetechtext:

rearrangement: su(s)-f83;su(s)-m80

T_strain:

markers:

kb_seq_genomic: 8.5 acc_number_gen: M57889 kb_seq_old: 8.5

kb_seq_cDNA: 5 acc_number_cDNA:

comments: coordinates given

ORF_size: 1322

ORF_function:

ORF_domains: homology to human U1 snRNA 70K ... su(s) is similar to RNA binding proteins

kb_trans_size: 5

transc_dist: message expressed throughout life cycle

protein_dist:

fusion_dist:

misc_info: su(s) message 5kb (embryos) from 8kb TU, adjacent messages are (embryo) l(1)1B1 su(s)-f83, within su(s),2R(56-58)associated with a lethal;su(s)-m80,within su(s), 2L(28C;D)

full citation **Voelker RA; Huang SM; Wisely GB; Sterling JF; Bainbridge SP ; Hiraizumi K. Molecular and genetic organization of the suppressor of sable and minute (1) 1B region in Drosophila melanogaster. Genetics 1989 Jul;122(3):625-42.**

contact_person **Voelker, Robert** **phone_number** [redacted]

lab_address **Genetics Lab**

address_line1 **N.I.E.H.S.**

address_line2 **Research Triangle Park, NC 22709**

address_line3

address_line4

keywords !

source_number: 519

full_location: 1B13-C1 cross_locations:

table_numbers: 1

gene_name: lethal(1)1Bi; lethal(1)1Bk

gene_abbrev: l(1)1Bi;l(1)1Bk

product: YACs: 0

kb_cloned_genom: 0 vector_genomic: EMBL 4

kb_cloned_cDNA: 0 vector_cDNA:

expression:

homology:

microcloning:

transposon_tag:

oligonucleotide:

clonetechtext:

rearrangement:

T_strain:

markers:

kb_seq_genomic: 0 acc_number_gen: kb_seq_old: 0

kb_seq_cDNA: 0 acc_number_cDNA:

comments:

ORF_size:

ORF_function:

ORF_domains:

kb_trans_size:

transc_dist:

protein_dist:

fusion_dist:

misc_info: Identified by complementation of recessive lethal alleles by Pelement transformants;

full citation: Voelker RA; Huang SM; Wisely GB; Sterling JF; Bainbridge SP ; Hiraizumi K. Molecular and genetic organization of the suppressor of sable and minute (1) 1B region in Drosophila melanogaster. Genetics 1989 Jul;122(3):625-42.

contact_person: Voelker, Robert phone_number: [redacted]

lab_address: Genetics Lab

address_line1: N.I.E.H.S.

address_line2: Research Triangle Park, NC 22709

address_line3:

address_line4:

keywords !

[redacted] Dec 20 90 15:52 No.014 P

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December 20, 1990

John Merriar
UCLA Drosophila Genmaps Databas

DEPARTMENT OF BIOLOG
405 HILGARD AVENU
LOS ANGELES, CALIFORNIA 90024-160

FAX [redacted]

FAX: [redacted]

Voelker, Robert
Genetics Lab
N.I.E.H.S.
Research Triangle Park, NC 22709

Dear Colleagues:

I would like to use information fr[redacted] clone list to construct a "physical map" of the Drosophila genome. You have (a) clone(s) listed, as described [redacted] so I would like to enlist your help. What I need for this project are the names and locations of chromosome rearrangement breakpoints that lie within the region of your clone/walk. Mapping breakpoints is the most reliable way of connecting the molecular with the cytological scales.

As you know, the clone list has been useful to Drosophila workers in finding starting points for their walks. The databas[redacted] org[redacted]zed by references, so that the original cloning paper from a lab is cited as key #1, with subsequen[redacted] paper[redacted]d by subject (key #5 is sequence information, for example). The clone list is therefore also a gene-by-gene [redacted]ture ind[redacted] The clone list is now mounted on the Indiana University BioArchive computer bulletin board [redacted]FLY subdirectory. Use Internet address [redacted] and your local File Transfer Program.

Please tak[redacted]w minutes to complete this form and return to me by FAX or mail. It will be most useful if you can update your [redacted]one sizes and make more exact your clone locations. Make any other changes you want also. List the rearrangements and which breakpoints you have identified. Any cytologically visible rearrangement (deletion, inversion, translocation, transposition, duplication) is useful. Please indicate if the sa[redacted]tation is the best reference, or indicate a better one (or a personal communication).

I thank you for your help as always. With your prompt and generous support I can expe[redacted]w you the results in March at the Chicago fly meeting.

List Rearrangements:		Breakpoint found:	Other breakpoin[redacted]
TU(2)su(s)f83	1B13-C1	within su(s)	2R(56-58); associated with a
" su(s)m80	25 46	within su(s)	2L(28C;D)

CHANGE or CONFIRM Indexing for original clone cit'n: Locations __ Clone s[redacted] James Products __

Voelker RA; Huang SM; Wisely GB; Sterling JF; Bainbridge SP ; Hiraizumi K. Molecular [redacted] genetic organization of [redacted] suppressor of sable and [redacted] (1) 1B region in Drosophila melanogaster. Genetics 1989 Jul;122(3):625-42.

Location	Key	kb gen/cDNA	Gene name (abbreviation) product rearrangements...
1B13-C1	1	0 0	lethal(1,[redacted]nal(1)1P[redacted](1)1Bi;l(1)1B
1B13-C1	1,5,6	0 3.8	Minute(1)Blond (M(1)1B[redacted]0KD protein
1B13-C1	1,5,6	25 5	suppressor of sable (su(s)) 150KD protein

Mol. Cell. Biol. 6:1520-8, 1986 (original) 15
Genetics 126: 1071-1082 1990 [redacted]

author checked

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

source_numbe 519

full_location 1B13-C1
table_numbers 1 cross_locations

gene_name lethal(1)1Bk
gene_abbrev l(1)1Bk
product

1 kb_cloned_genom 10 vector_genomi EMBL4
kb_cloned_cDNA 0 vector_cDNA

METHOD: expression walk_jump_org YACs 0
microcloning oligonucleotide
homology transposon_tag xxx

clonetechtext Identified by complementation of recessive lethal alleles by P-element transformations.

2 rearrangement

3 T_strain
markers

5 kb_seq_genomic 0 acc_number_gen kb_seq_old 0
kb_seq_cDNA 0 acc_number_cDNA
comments
ORF_size
ORF_functio
ORF_domain

6 kb_trans_size
transc_dist

7 protein_dist

8 fusion_dist

misc_info

full citation Voelker RA; Huang SM; Wisely GB; Sterling JF; Bainbridge SP ; Hiraizumi K. Molecular and genetic organization of the suppressor of sable and minute (1) 1B region in Drosophila melanogaster. Genetics 1989 Jul;122(3):625-42.

contact_person Voelker, Robert ph [redacted] FAX [redacted]
lab_address Laboratory of Molecular Genetics
address_line1 National Institute of Environmental Health Sciences
address_line2 PO Box 12233
address_line3 Research Triangle Park, NC 2770
address_line4

keywords

author checked

DROSOPHILA GENMAPS DATABASE RECORD PRINTOUT - 8/26/92 source_numbe 519

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

full_location 1B13-C1
table_numbers 1 cross_locations

gene_name lethal(1)1Bi
gene_abbrev l(1)1Bi
product

1 kb_cloned_genom 10 vector_genomi EMBL 4
kb_cloned_cDNA 0 vector_cDNA YACs 0

METHOD: expression walk_jump_org
microcloning oligonucleotide
homology transposon_tag xxx

clonetechtext Identified by complementation of recessive lethal alleles by P element transformations

2 rearrangement

3 T_strain
markers

5 kb_seq_genomic 0 acc_number_gen kb_seq_old 0
kb_seq_cDNA 0 acc_number_cDNA
comments
ORF_size
ORF_functio
ORF_domain

6 kb_trans_size
transc_dist

7 protein_dist

8 fusion_dist

misc_info

full citation Voelker RA; Huang SM; Wisely GB; Sterling JF; Bainbridge SP ; Hiraizumi K. Molecular and genetic organization of the suppressor of sable and minute (1) 1B region in Drosophila melanogaster. Genetics 1989 Jul;122(3):625-42.

contact_person Voelker, Robert ph [redacted] FAX [redacted]
lab_address Laboratory of Molecular Genetics
address_line1 National Institute of Environmental Health Sciences
address_line2 PO Box 12233
address_line3 Research Triangle Park, NC 2770
address_line4

keywords

ok

DROSOPHILA GENMAPS DATABASE REPORT FORM

Return to John Merriam, UCLA Biology, Los Angeles, CA 90024-1606 ; FAX [redacted]

T(1;2)su(s)

location: 1B13-1C1 Table numbers: 6

Gene/mutant name: suppressor of sable

abbreviation: su(s)

biochemical name/product:

(1) CLONES:

kb_genomic: vector/library name:

kb_cDNA: vector/library name:

METHOD:

prior clone: walk:

expression: differential screen:

microclone: oligonucleotide: PCR?

homology: transposon tag:

(2) REARRANGEMENTS:

(3) TRANSFORM INSERTS:

(5) SEQUENCE:

kb_genomic: accession number:

kb_cDNA: accession number:

ORF-size:

ORF_function/homology group:

ORF_domains:

(6) TRANSCRIPT DESCRIPTION:

transcript_size:

distribution:

(7) PROTEIN ANTIBODY:

distribution:

(8) LAC Z FUSION STAIN:

distribution:

MISC_INFO: Insertion sites of 16 independent mobile element caused mutations

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SANTA BARBARA • SANTA CRUZ

January 28 , 1991

John Merriam
UCLA Drosophila Genmaps Database

DEPARTMENT OF BIOLOGY
405 HILGARD AVENUE
LOS ANGELES, CALIFORNIA 90024-1606
FAX [redacted]

FAX: [redacted]

Voelker, RA
Laboratory of Molecular Genetics
National Institute of Environmental Health Sciences
PO Box 12233
Research Triangle Park, NC 27709

Help!

Your article, listed below, is likely to have cloning or molecular information that should be listed in Drosophila Genmaps. As you know, the clone list has been useful to Drosophila workers in finding start points for their walks. The database is organized by references, so that the original cloning paper from each lab is cited as key #1, with their subsequent papers cited by subject. The clone list is therefore also a gene-by-gene literature index. The clone list is now mounted on the Indiana University BioArchive computer bulletin board in the FLY subdirectory. Use Internet address [redacted] and your local File Transfer Program.

Please take a few minutes to complete this form and return to me by FAX or mail. On separate sheet(s) we print out the information we have already from your lab on this gene from the December 3, 1990 list. Send back to us any corrections you may have. If we missed any previous papers, make copies of this form to describe each earlier paper. If you feel 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 expect to show you the results in March at the Chicago fly meeting. -- John

CITATION:

Voelker RA; Graves J; Gibson W; Eisenberg M. Mobile element insertions causing mutations in the Drosophila suppressor of sable locus occur in DNAase-I hypersensitive subregions of 5'-transcribed nontranslated sequences. Genetics 1990 Dec;126(4):1071-82.

--> List the Gene name:	and its Chromosome location:
Suppressor of sable	1B13-1C1

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.
- [ ] 6 Transcript obtained.
- [ ] 7 Protein described by antisera.
- [ ] 8 Promoter fusion studies.

source_number: 1561

full_location: 1B13-C1 cross_locations:

table_numbers: 1,2

gene_name:

gene_abbrev: su(s)

product: YACs: 0

kb_cloned_genom: 25 vector_genomic:

kb_cloned_cDNA: 0 vector_cDNA:

expression:

homology:

microcloning:

transposon_tag:

oligonucleotide:

clonetechtext:

rearrangement: T(1,2)su(s)-f83;T(1,2)su(s)-m80

T_strain:

markers:

kb_seq_genomic: 0 acc_number_gen: kb_seq_old: 0

kb_seq_cDNA: 0 acc_number_cDNA:

comments:

ORF_size:

ORF_function:

ORF_domains:

kb_trans_size:

transc_dist:

protein_dist:

fusion_dist:

misc_info: T(1,2)su(s)-f83,breakpoint within su(s),2R(56-58)associated with a lethal;
T(1,2)su(s)-m80,breakpoint within su(s).2L(28C;D)

full citation: **Volker, Robert,. Genetics Lab. NIEHS. Research Triangle Park, NC 22709; Personal communication**

contact_person phone_number

lab_address

address_line1

address_line2

address_line3

address_line4

keywords

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

December 20, 1990

FAX: [redacted]

Voelker, Robert
Genetics Lab
N.I.E.H.S.
Research Triangle Park, NC 22709

Dear Colleagues:

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Please take a few minutes to complete this form and return to me by FAX or mail. It will be most useful if you can update your clone sizes and make more exact your clone locations. Make any other changes you want also. List the rearrangements and which breakpoints you have identified. Any cytologically visible rearrangement (deletion, inversion, translocation, transposition, duplication) is useful. Please indicate if the same citation is the best reference, or indicate a better one (or a personal communication).

I thank you for your help as always. With your prompt and generous support I can expect to show you the results in March at the Chicago fly meeting.

List Rearrangements:	Breakpoint found:	Other breakpoints:
T(1;2) su(s)^{f83}	within su(s)	2R(56-58); associated with a lethal
" su(s)^{m80}	within su(s)	2L (28C;D)

CHANGE or CONFIRM indexing for original clone cit'n: Locations __ Clone si __ Names/Products __

Voelker RA; Huang SM; Wisely GB; Sterling JF; Bainbridge SP ; Hiraizumi K. Molecular and genetic organization of the suppressor of sable and minute (1) 1B region in Drosophila melanogaster. Genetics 1989 Jul;122(3):625-42.

Location	Key	kb gen	cDNA	Gene name (abbreviation) product rearrangements...
1B13-C1	1	0	0	lethal(1)1Bi; lethal(1)1Bk (l(1)1Bi;l(1)1Bk)
1B13-C1	1,5,6	0	3.8	Minute(1)Blond (M(1)1B) 130KD protein
1B13-C1	1,5,6	25	5	suppressor of sable (su(s)) 150KD protein

additional ref.

Mol. Cell. Biol. 6:1520-8, 1986 (original) 15
Genetics 126: 1071-1082, 1990 no
Mol. Cell. Biol. 11: 894-905, Feb. 1991 (in press, no

hlp: 764, thm = 1561

1561

.hor: VOELKER RA (Reprint); GRAVES J; GIBSON W; EISENBERG M.
.ress: NIEHS,MOLEC GENET LAB, RES TRIANGLE PK, NC 27709, USA (Reprint).
.tle: MOBILE ELEMENT INSERTIONS CAUSING MUTATIONS IN THE DROSOPHILA SUPPRESSOR OF SABLE LOCUS OCCUR IN DNASE-I HYPERSENSITIVE SUBREGIONS OF 5'-TRANSCRIBED NONTRANSLATED SEQUENCES.

Journal: GENETICS, 1990 DEC, V126 N4:1071-1082.
GA Number: EL334.

Language: English.
Pub Type: Article.
References: 42.

CC Subfile: LIFE, AGRI.
CC Edition: Life Sciences, V22 NO1; Agriculture, Biology, & Environmental Sciences, V34 NO

Subject Category: Molecular Biology/Genetics; Biology.
Subject Cat Code: MBGL; BIOG.

15, 51, 108, 147, 258, 519, 722, 764, 1561

print

source_number: 1561

full_location: 28C,D cross_locations:

table_numbers: 2

gene_name:

gene_abbrev:

product: YACs: 0

kb_cloned_genom: 0 vector_genomic:

kb_cloned_cDNA: 0 vector_cDNA:

expression:

homology:

microcloning:

transposon_tag:

oligonucleotide:

clonetechtext:

rearrangement: T(1,2)su(s)-m80

T_strain:

markers:

kb_seq_genomic: 0 acc_number_gen: kb_seq_old: 0

kb_seq_cDNA: 0 acc_number_cDNA:

comments:

ORF_size:

ORF_function:

ORF_domains:

kb_trans_size:

transc_dist:

protein_dist:

fusion_dist:

misc_info: breakpoint within su(s), 2L(28C;D)

full citation **Voelker, Robert,. Genetics Lab. NIEHS. Research Triangle Park, NC 22709; Personal communication**

contact_person **phone_number**

lab_address

address_line1

address_line2

address_line3

address_line4

keywords

source_number: 1561

full_location: 1B13-C1 cross_locations:

table_numbers: 1,2

gene_name:

gene_abbrev:

product: YACs: 0

kb_cloned_genom: 25 vector_genomic:

kb_cloned_cDNA: 0 vector_cDNA:

expression:

homology:

microcloning:

transposon_tag:

oligonucleotide:

clonetechtext:

rearrangement: T(1,2)su(s)-f83;T(1,2)su(s)-m80

T_strain:

markers:

kb_seq_genomic: 0 acc_number_gen: kb_seq_old: 0

kb_seq_cDNA: 0 acc_number_cDNA:

comments:

ORF_size:

ORF_function:

ORF_domains:

kb_trans_size:

transc_dist:

protein_dist:

fusion_dist:

misc_info: T(1,2)su(s)-f83,breakpoint within su(s),2R(56-58)associated with a lethal; T(1,2)su(s)-m80,breakpoint within su(s).2L(28C;D)

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