Reply from Manuel Calleja (FBrf0089316)

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From: Dr. R.A.Drysdale
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FAX TO: **Gines Morata**
FAX NUMBER: [redacted]
Number of pages: **1**
In case of query please phone [redacted] immediately

11th October, 1996

Dear Gines,

I am writing to you about some stocks that you kindly sent to the Bloomington stock center. They are:
Dll Gal4[MD23] / CyO
y w; pnr Gal4[MD237] / TM3, Ser UASy
y w; tsh Gal4[MD621] / CyO ; UASy /TM2, Ubx[1]
y w; ap Gal4[MD544] / CyO
y w; cad Gal4[MD509] / CyO ; MKRS /TM2, Ubx[1]
y w omb Gal4[MD653] / FM7
y w ; UASy / (TM3, Ser UASy)
UASy = P{w[+mC] y[+]}

Please could you confirm for me that the GAL4 insertion is a GawB element and causes mutant alleles of each of the genes mentioned, thus "Dll Gal4[MD23] / CyO" carries an allele of Dll.
If so FlyBase will record an allele of Dll[MD23], associated with the insertion P{GawB}Dll[MD23]. We would also create an "allele" of GAL4, namely GAL4[Dll-MD23], under which to record the expression pattern data.

Also, for UASy, can you tell me a little about the y sequences, e.g. genomic or cDNA, how long is the fragment, and was the y coding region cloned into pUAST?

If you could let me know where the paper is going to appear that describes these that would also be a help.

Thank you very much for your help. The Bloomington stock list is now fully integrated into the genes and aberrations sections of FlyBase, so its best if we get all the details of new stocks sorted out at the outset.

with best wishes, Rachel.

Rachel Drysdale.

FlyBase (Cambridge),
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CENTRO DE BIOLOGIA MOLECULAR "SEVERO OCHOA"
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FAX: [redacted] Telf.: (34 - 1) 397 84

(To): RACHEL DRYSDALE

Fecha (date): 10-15-96

De (From) : MANUEL CALLEJA .

Fax Nº: [redacted]

TEXTO:

1 / 2

16. 10. 96 08:46 *C. BIOLOGIA M 3974799 P01

CENTRO
DE BIOLOGIA
MOLECULAR
"SEVERO OCHOA"

Dear Rachel Drysdale,

All the stocks are insertions of the pGawB element, but only the following stocks:

Dll^{md23} Gal4 /CyO
yw; pnr^{md237} Gal4/ TM3, Ser UAS-y
yw; ap^{md544} Gal4/ CyO
yw omb^{md653} Gal4/ FM7

are known to be mutant for the gene in which they are inserted.

The stocks:

yw; tsh^{md621} Gal4/ CyO; UAS-y / TM2, Ubx^{130}(Not Ubx^{1})
yw; cad^{md509} Gal4/ CyO; MKRS/TM2, Ubx^{130}(Not Ubx^{1})

we believe are insertions on the tsh and cad genes, based on their expression pattern both in imaginal discs and embryos (using UAS-lacZ). Further, we have done "in situs" on polytene chromosomes and the P insertions hybridize close to the sites of tsh and cad genes. In addition, we have the adult expression of those genes using the UAS-y/ Gal4 line and the expression pattern is as we describe in our recent paper in *Science*,, **274**, 252-255.
They are homozygous viable and show no phenotype.

With respect to the UAS-y stock:
yw; UAS-y / TM3, Ser UAS-y (UAS-y=pUAST-y)
the cDNA sequence of the yellow (P. Geyer, C. Spana and V. Corces. *EMBO J.* **10**, 2657-2662(1986)) was cloned in pUAST vector (A. Brand and N. Perrimon. *Development* ,**118**, 401-415 (1993)) the length of the cDNA cloned fragment was 2Kb and contains the entire yellow coding sequence.

If you need more information, please do not hesitate to contact me.

yours

Manuel Calleja

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16. 10. 96 08:46 *C. BIOLOGIA M 3974799 P02

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16th October, 1996

Dear Manuel,

Many thanks for your FAX. It answered all my questions perfectly!

I will record the genetic details of these lines for FlyBase, using your FAX as a personal communication to FlyBase, and this will lead to the correct genotypes being publicised in the Bloomington stock list.

with best wishes,

Rachel .

Rachel Drysdale.

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