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From [redacted] **Wed Mar 03 14:21:23 1999**
From: Gillian Millburn (Genetics) <[redacted]>
To [redacted]
Cc: [redacted]
Subject: FlyBase query
Date: Wed, 3 Mar 1999 14:23:44 +0000

Dear Dr. Ferrus,

I am curating your paper for FlyBase:

Prado et al., 1999, Genetics 151(1): 163--175

I am trying to match up the HL and ME genes in Figure 1. of this paper with the genes from your paper:

Ferrus et al., 1990, Genetics 125: 383--398

and what we have in FlyBase.

Below is what I have managed to sort out. I'd be grateful if you could check over this to see if it is correct and for the genes where I haven't been able to match up with a gene in FlyBase (marked with ???) I would be grateful if you could tell me which gene in FlyBase they correspond to.

symbol in Figure 1, Prado, 1999 paper	gene symbol in FlyBase	mutant designations from Ferrus, 1990 paper
HL-IV	not in FlyBase = new gene	
HL-XI	???	
HL-III	not in FlyBase = new gene	
HL-X (scully)	scully	
HL-XIV	not in FlyBase = new gene	
HL-VIII (prodos)	prodos	
HL-VII	not in FlyBase = new gene	
HL-I (wupA)	wupA	
HL-VI	l(1)16Fe	1614
HL-XII	???	
HL-XIII	l(1)16Fk	13167
HL-IX	???	
HL-V (ariadne)	ariadne	
HL-II (Frq)	Frq	
ME-VII	???	
ME-VI	???	
ME-V	???	
ME-IV (mnb)	mnb	
ME-I	l(1)16Fa	305, 254, 2215
ME-II	l(1)16Fb	1359, 162
ME-III	l(1)16Fc	387, 581, 583, 598

There are 6 genes I haven't been able to match up with what we have in FlyBase: HL-XI, HL-XII, HL-IX, ME-VIII, ME-VI and ME-V.

There are also 6 "l(1)16F" genes from your 1990 paper which I haven't been able to match up to the genes in your 1999 paper. They are:

l(1)16Ff - mutant designation in 1990 paper: 2288

l(1)16Fg - mutant designation in 1990 paper: 2270

l(1)16Fh - mutant designation in 1990 paper: 7688, 17053

l(1)16Fi - mutant designation in 1990 paper: 484

l(1)16Fj - mutant designation in 1990 paper: 1199

l(1)16Fl - mutant designation in 1990 paper: 3014

do any of these correspond to HL-XI, HL-XII, HL-IX, ME-VIII, ME-VI and ME-V ?

I look forward to hearing from you,

Gillian

Gillian Millburn.

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From [redacted] **Thu Mar 04 15:41:41 1999**
From: [redacted] (Alberto Ferrus)
To: Gillian Millburn (Genetics) <[redacted]>
Subject: Re: FlyBase query
Date: Thu, 4 Mar 1999 17:55:21 +0100

Dear Gillian:

I have modified your table with the name equivalences in our publications and the new genes in the cluster. I realize that it is difficult to keep track of the different names but the reality is that the number of genes in this area has turned out much higher than suspected in 1990. In the end, the significant names should be those given to reasonably well characterized genes. Thus, scully, prodos, ariadne, Frequenin, etc. can be considered as definitive and informative names.

In the column "mutant designations from Ferrus 1990", I include the allele numbers, some of which were not listed in that paper. See also, Torroja et al., 1998, J. Cell Biol. 141, 1009-1017.

>symbol in Figure >1, Prado, 1999 paper	gene symbol in FlyBase	mutant designations from Ferrus, 1990 paper
>HL-IV	not in FlyBase = new gene	
>HL-XI	16Fh	7688, 17053
>HL-III	not in FlyBase = new gene	
>HL-X (scully)	scully	174, 4058, 3127, S152
>HL-XIV	not in FlyBase = new gene	
>HL-VIII (prodos)	prodos , 16Fg	2270
>HL-VII	not in FlyBase = new gene	
>HL-I (wupA)	wupA	
>HL-VI	l(1)16Fe	1614
>HL-XII	new gene	
>HL-XIII	l(1)16Fk	13167
>HL-IX	new gene	
>HL-V (ariadne)	ariadne , 16Fj	1199, 3747, 4822, 5777
>HL-II (Frq)	Frq	T(X;Y)V7
>		
>		
>ME-VII	new gene	29847, 28403
>ME-VI	new gene	19433, 22398
>ME-V	new gene	22051
>ME-IV (mnb)	mnb	
>ME-I	l(1)16Fa	305, 254, 2215
>ME-II	l(1)16Fb	1359, 162
>ME-III	l(1)16Fc	387, 581, 583, 598

>There are also 6 "l(1)16F" genes from your 1990 paper which I haven't
>been able to match up to the genes in your 1999 paper. They are:
>
>l(1)16Ff - mutant designation in 1990 paper: 2288 THIS ALLELE IS LOST
>

>l(1)16Fg - mutant designation in 1990 paper: 2270 prodos ALLELE
>
>l(1)16Fh - mutant designation in 1990 paper: 7688, 17053 HLXI,
>
>l(1)16Fi - mutant designation in 1990 paper: 484 THIS ALLELE IS LOST
>
>l(1)16Fj - mutant designation in 1990 paper: 1199 ariadne HLV
>
>l(1)16Fl - mutant designation in 1990 paper: 3014 THIS ALLELE IS LOST

I hope this information will be of help. Let me know if further clarifications are needed.

Give my regards to Michael Ash.

Alberto.
Alberto Ferrus
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FAX: [redacted]
ph: