qed', qed^{SIAOV} - probably ommatoreductum

chromosome. The first allele qed has been "cleaned-up" by transferring it first to a wildtype chromosome and then to a y cv v f chromosome. The second allele, ged states, is still on the original mutagenized chromosome. My mutation maps to 5A6-9 based on its meiotic recombination Both lines were saved from the mutagenesis done in Florence and McGinnis (1998). They are EMS induced alleles originally on a y.YL

map position of 12.5 mu and the following deficiency complementation.

Complements: Df(1)HC244, Df(1)bi-DL1, Df(1)RC40, Df(1)bi-DL2, Df(1)JC70, Df(1)C149, Df(1)N73, Df(1)5D, Df(1)JF5, Df(1)dx81, Df(1)B56^DJ102^P, Df(1)J102^DB119^P

hopping out and locally hopping EP(X)496 but could not get a hit in qed. The only gap is between Df(1)J102^DB119^P (proximal breakpoint: 5A6-9) and Df(1)C149 (5A8-9) suggesting qed is in 5A8-9. I tried imprecisely

Maxillary palps are reduced (as in Dfd hypomorphs) and the ventral eye is reduced (as in Dfd^D). When qed is combined with Dfd^D the vibrissae In many ways, the ged head phenotype is similar to both the Dfd hypomorphic and the Dfd ectopic expression phenotypes seen in adults.

qed shows a recessive genetic interaction with Dfd³/Dfd¹³ (see screen in Florence and McGinnis, 1998). NB: This interaction is NOT dominant as were the other loci reported in Florence and McGinnis. nej^{Q7} shows a dominant enhancement of the qed recessive phenotype.

These alleles were obtained by mobilizing EP(X)1303 and EP(X)1033 (only one allele from the latter). By meiotic recombination, I have placed

txl proximal to mys.

Some alleles are pupal lethal, some are viable. Wings are outstretched (like taxi), cuticle is dark (like ptg). Since Haynes et al. mapped the end of Df(1)C128 within ~15kb of the proximal end of mys, there is a very small region where txl could be Complements: Df(1)RA2, Df(1)GE202, Df(1)HA11, mys, fsh, sn Fails to complement: Df(1)C128, Df(1)Desi^{S3}, Df(1)fh1516

Oce WCI: Ocellarless

Fails to complement Oce¹, but is completely wildtype in the heterozygous state. Can be separated from and is proximal to the Dfd-interacting lethal on the WC1 chromosome: I(1)WC1. The I(1)WC1 chromosome still has the Oce^{WC1} allele on it.

7Ad strongly enhances the split thorax phenotype of I(1)7Ad. When this enhancing locus is removed, the phenotype is much less penetrant and for I(1)7Ad1. This chromosome has at least two mutations, one of which appears to be an Ax allele of N. Either Ax or another mutation distal to not nearly as severe. Assumed to be I(1)7Ad by failure to complement Df(1)SxIRA and because of the hemizygous phenotype which is similar to that described

Dp(I;Y)dx+

From Abe Schalet. This is a transcription of his summary:

Dn(1:Y)dx's were made by irradiating the In(1)sc⁷ XYL•YS chromosome and selecting for Y chromosomes that complemented dx.

INFERRED	d)(I)	Sho Cho	10501CBC	CX	omm/qed	CV	rux	dx	In(1)sc'	break of	Proximal	of $In(1)sc^7$	distal break	Tip of X to	coverage	Cytological	Genetic/	DP(1) 1 June 10 TO
5A8-9;6D8	ND NO	1	•		÷	+	+	+			6D8			1A1;1B3-4		#1	Dp(1;Y)dx+Y	sp(1,1)un s man
5A7- 5C2;6D8	,	r	ı	+	+	ND	+	+			6D8			1A1;1B3-4		#2	Dp(1;Y)dx+Y	(
SA7- SC2;6D8	GN		ı	+	+	+	- +	+			6D8			IAI;1B3-4		#3	Dp(1;Y)dx+Y	1
5A6-9;6D8	ND	ND	-	h	+		- - 	- -	-		000	600		IAI,163=4	1 4 1 . 1 1 2 1	#4	$Dp(1;Y)dx+Y \mid Dp(1;Y)dx+Y \mid $	
4C11;6D8	ND	E	1	+	_	F -	+ -	+ -	+			&D&	1	101,100	1A1:1R3-4	#3	Dp(1;Y)dx+Y	
5C2;6D8	SA3	N	1		+	+	+	+	+			6D8			1A1:1B3-4	7	Dp(1;Y)dx+Y	12 av 1 (4)
5C2;6D8	547-		NIN CIN	N. C.	+	H	+	+	+			6D8			1A1;1B3-4		Dp(1;Y)dx+Y Dp(1; x)dx x PF(1; x) #8	V+vb(V)-/V
	6D8	+	UN	R	ND	H-	1	E	+			6D8			1A1;1B3-4		#8	Dn(1:Y)dx+Y

might have more information since Abe was working for him when he made these lines. Df(1)dx⁶¹ (5C3-10;6C3-12 – uncovers dx).

I don't know how Df(1)dx⁸¹ was constructed and I only have its cytology. I know Abe also made Df(1)dx⁸³ and Df(1)dx⁶⁷. Spyros Artavanis I don't know how Df(1)dx⁸¹ was constructed and I only have its cytology. I know Abe also made Df(1)dx⁸³ and Df(1)dx⁶⁷. Spyros Artavanis