

Supplemental Table 2

Flybase ID	CG number	Gene symbol	P[acman] duplication	first EMS allele?	Mutation	Conserved in Humans?	Comment
FBgn0023458	CG3585	<i>Rbcn-3A</i>	Dp(1;3)DC152	Yes	Q41X and R1802L ; C288X ; W291X ; F2361I	Yes	
FBgn0023510	CG17766	<i>Rbcn-3B</i>	Dp(1;3)DC034	Yes	<u>Q777X</u> ; Y882X ; <u>K895X</u> ; W1254X ; R1294X	Yes	
FBgn0015799	CG7413	<i>Rbf</i>	Dp(1;3)DC013	No	K119X ; S185M and I187V ; K458X ; splice acceptor (693,047) ; splice acceptor (694,100)	Yes	
FBgn0026374	CG8497	<i>Rhp</i>	Dp(1;3)DC305	Yes	M1K	Yes	
FBgn0003277	CG1554	<i>RpII215</i>	Dp(1;3)DC241	No	V785E	Yes	
FBgn0002590	CG8922	<i>RpS5a</i>	Dp(1;3)DC325	No	Y80X	Yes	
FBgn0029755	CG4202	<i>Sas10</i>	Dp(1;3)DC130	Yes	Q177X	Yes	
FBgn0040918	CG3576	<i>schlank</i>	Dp(1;3)DC152	Yes	M1I ; S344P	Yes	
FBgn0021765	CG7113	<i>scu</i>	Dp(1;3)DC341	Yes	V52E ; Q159X ; S165F	Yes	
FBgn0052654	CG32654	<i>Sec16</i>	Dp(1;3)DC256	Yes	P1926S	Yes	
FBgn0003371	CG2621	<i>sgg</i>	Dp(1;3)DC048	Yes	V68E ; Q70X ; P223L	Yes	
FBgn0003392	CG18102	<i>shi</i>	Dp(1;3)DC133	No	K10X ; G55D ; P221L ; L350H ; L280Q ; K727X	Yes	
FBgn0030352	CG15738	<i>sicily</i>	Dp(1;3)DC246	Yes	splice acceptor (11,787,621)	Yes	
FBgn0025637	CG16983	<i>skpA</i>	Dp(1;3)DC010	Yes	K22X	Yes	
FBgn0025800	CG2262	<i>Smox</i>	Dp(1;3)DC185	Yes	Q313X ; <u>K394X</u>	Yes	
FBgn0265523	CG4013	<i>Smr</i>	Dp(1;3)DC258	Yes	Q1655X ; K1996X ; Q2002X ; <u>R2567X</u>	Yes	
FBgn0023169	CG3051	<i>SNF1A (AMPKα)</i>	Dp(1;3)DC102	No	D188L	Yes	alleles of this compl. group fail to compl. <i>SNF1A</i> ¹ and can be rescued by a genomic rescue construct
FBgn0020378	CG1343	<i>Sp1</i>	Dp(1;3)DC212	Yes	Q8X ; C197S	Yes	
FBgn0045073	CG9126	<i>Stim</i>	Dp(1;3)DC307	Yes	W202X ; V279D ; K426X ; R492X	Yes	
FBgn0004648	CG4122	<i>svr</i>	Dp(1;3)DC008	Yes	S950T	Yes	
FBgn0260938	CG9056	<i>tay</i>	Dp(1;3)DC133	No	R990X	Yes	
FBgn0027296	CG3073	<i>temp</i>	Dp(1;3)DC039	Yes	Q190X	Yes	
FBgn0010416	CG9984	<i>TH1</i>	Dp(1;3)DC313	Yes	Q100X ; R149X ; splice donor (16,284,495)	Yes	
FBgn0003714	CG7925	<i>tko</i>	Dp(1;3)DC452	No	Q6X ; L85H	Yes	
FBgn0023518	CG3848	<i>trr</i>	Dp(1;3)DC034	Yes	W155X and S115T ; K512X ; R1477X	Yes	
FBgn0031057	CG14224	<i>Ubqn</i>	Dp(1;3)DC550	Yes	Q129X	Yes	
FBgn0030354	CG1559	<i>Upf1</i>	Dp(1;3)DC246	Yes	W120X ; I486N ; Q586X	Yes	