

Supplemental Table 2

Flybase ID	CG number	Gene symbol	P[acman] duplication	first EMS allele?	Mutation	Conserved in Humans?	Comment
FBgn0001218	CG4147	<i>Hsc70-3</i>	Dp(1;3)DC244	Yes	R181H	Yes	
FBgn0027108	CG4590	<i>Inx2</i>	Dp(1;3)DC166	Yes	Q194X ; C256S	No	
FBgn0261955	CG3861	<i>kdn</i>	Dp(1;3)DC154	Yes	W370R ; K393X ; H406L	Yes	
FBgn0001341	CG6189	<i>l(1)1Bi</i>	Dp(1;3)DC011	Yes	L285X ; Q860X ; Q1007L	Yes	
FBgn0027291	CG12233	<i>l(1)G0156</i>	Dp(1;3)DC363	Yes	Splice donor (19,413,727)	Yes	
FBgn0028343	CG8465	<i>l(1)G0222</i>	Dp(1;3)DC331	Yes	L326H	Yes	
FBgn0028342	CG2968	<i>l(1)G0230</i>	Dp(1;3)DC221	Yes	Q129X	Yes	
FBgn0028336	CG4094	<i>l(1)G0255</i>	Dp(1;3)DC026	Yes	T132S ; V141M ; S172F ; L390Q ; I456N	Yes	
FBgn0029870	CG3869	<i>Marf</i>	Dp(1;3)DC154	Yes	S151C ; A207V ; E382K	Yes	
FBgn0025815	CG4039	<i>Mcm6</i>	Dp(1;3)DC160	No	L362P ; Q510X	Yes	
FBgn0004456	CG1771	<i>mew</i>	Dp(1;3)DC266	No	R165X	Yes	
FBgn0030556	CG1810	<i>mRNA-cap</i>	Dp(1;3)DC281	Yes	Y346X ; V377D ; W563X	Yes	
FBgn0030552	CG15871	<i>mRpL38</i>	Dp(1;3)DC280	Yes	Q88X ; splice acceptor (14,121,229)	Yes	
FBgn0030572	CG14413	<i>mRpS25</i>	Dp(1;3)DC286	Yes	splice donor (14,476,789)	Yes	
FBgn0030692	CG8470	<i>mRpS30</i>	Dp(1;3)DC305	Yes	splice donor (15,680,664)	Yes	
FBgn0020272	CG1424	<i>mst</i>	Dp(1;3)DC380	No	V216E	Yes	
FBgn0002878	CG11156	<i>mus101</i>	Dp(1;3)DC273	No	Q525X	Yes	
FBgn0260789	CG12124	<i>mxs</i>	Dp(1;3)DC205	No	S 314X ; Q520X ; Q615X	Yes	
FBgn0002914	CG9045	<i>Myb</i>	Dp(1;3)DC523	No	G111X ; R583X ; X658L ; splice donor (15,749,822)	No	
FBgn0261617	CG15319	<i>nej</i>	Dp(1;3)DC505	No	Y1001N ; C1811Y	Yes	both alleles fail to compl. <i>nej</i> ³
FBgn0023542	CG3460	<i>Nmd3</i>	Dp(1;3)DC039	Yes	V416E	Yes	
FBgn0263968	CG32743	<i>nonC</i>	Dp(1;3)DC163	Yes	A928V	Yes	
FBgn0027537	CG11092	<i>Nup93-1</i>	Dp(1;3)DC275	Yes	K239X	Yes	
FBgn0004102	CG12154	<i>oc</i>	Dp(1;3)DC572	No	Q469X ; splice acceptor (8,527,997)	Yes	
FBgn0264255	CG9907	<i>para</i>	Dp(1;3)DC134	Yes	N343I ; V1424E	Yes	
FBgn0013720	CG14779	<i>pck</i>	Dp(1;3)DC401	No	P50L	Yes	
FBgn0004654	CG3724	<i>Pgd</i>	Dp(1;3)DC038	No	R286X	Yes	
FBgn0003079	CG2845	<i>phl</i>	Dp(1;3)DC404	No	K140X ; E595K	Yes	
FBgn0261922	CG10260	<i>PI4KIIIalpha</i>	Dp(1;3)DC048	Yes	P562L ; W879X	Yes	
FBgn0004957	CG6205	<i>por</i>	Dp(1;3)DC346	No	R135X	Yes	
FBgn0250871	CG2467	<i>pot</i>	Dp(1;3)DC246	Yes	K551X	No	
FBgn0003139	CG12217	<i>PpV</i>	Dp(1;3)DC154	Yes	H112L ; I117F ; G162S ; W203R	Yes	
FBgn0004066	CG3422	<i>Prosa4</i>	Dp(1;3)DC312	Yes	G37R ; splicing acceptor (16,170,923)	Yes	
FBgn0030196	CG2222	<i>Psf3</i>	Dp(1;3)DC223	Yes	Q141X	Yes	