

Supplemental Table 1, related to Figure 3. Identification of mutations in the *E(spl)* genes by Fly-TILL

<u>Gene</u>	<u>PCR primer pairs</u>	<u># mutations identified</u>	<u>Mutation</u>	<u>AA change</u>	<u>PCR frag. (bp)</u>	<u>Stowers Stock #</u>	<u>Bloomington Stock #</u>
<i>m8</i>	m8-539 ttagccgtgagcgaaaga	8	G343A	V59M	911	SH_1251	61149
	m8-1450 tcccctccaacatccaataaag						
<i>m7</i>	m7-314 gctccgcaggtgggtggtt	12	G268A	G86E	1011	SH_1228	61150
	m7-1325 agacttctgctcgattgattta		G249A	E80K		SH_1098	61151
			T322A	V104E		SH_0477	61152
<i>m5</i>	m5-1334 cgatcatcaggcgggggaggtta	12	A278T	K72*	1364	SH_0665	61153
	m5-2698 gctgcggctgctgcgggtat		C443T	Q127*		SH_0507	61154
			T173A	C37S		SH_0357	61155
			C582T	T173I		SH_0738	61156
<i>m3</i>	m3-2294 gcaacgcacgcgaacaaactc	5	G144A	E4K	1383	SH_0625	61157
	m3-3677 tggcggactgggacaagaatgaac						
<i>mγ</i>	gamma-4949 tgcgggcaggtgagcgagtc	7	G280A	G50D	1344	SH_0119	61158
	gamma-6293 ttgcgttctagcgttccgttct		T437A	N102K		SH_1107	61159
<i>mδ</i>	delta-4356 acggagtggggagagttca	8	G637T	E161*	1406	SH_0313	61160
	delta-2950 gcgtggtggcagttagg		T323A	L56Q		SH_0657	61161
<i>mβ</i>	beta-2636 cgccggcgcaaaacttcc	14	G445A	E47K	1377	SH_0839	61162
	beta-4013 tgtcccgtcgcactcactgtc		T621A	H105Q		SH_0732	61163

Total number of mutations identified: 66