

**Table S1. Summary of abnormal masses**

Genotype	Head	Wing and leg discs
<i>Ice</i> <sup>Δ1</sup> /+	0.16	0.05
<i>Ice</i> <sup>Δ1</sup>	3.64	3.80
<i>Ice</i> <sup>Δ1</sup> /+	0.77	0.09
<i>Ice</i> <sup>Δ1</sup>	6.31	5.00

Summary of defects associated with loss of *Ice* in 24-hour pupae. See text and methods for details. The numbers refer to the number of masses observed per section. On average, eight sections were scored per pupa. Thus, wild-type animals contain on average about one mass, while animals lacking zygotic *Ice* contain on average about 30.

