

**Table S1. Rescue of *Pat1* mutant phenotype by expression of PAT1 or KLC**

Genotype	Staufen mislocalization phenotype at stage 9	Two-tailed <i>P</i> -value upon comparison with <i>Pat1</i>
<i>Pat1</i>	27.5% ( <i>n</i> =64)	–
<i>Pat1; maternal <math>\alpha</math>-4-tubulin-Pat1</i>	7.7% ( <i>n</i> =78)	0.0015
<i>Pat1; GEN-KLC</i>	6.4% ( <i>n</i> =47)	0.006

Quantification of the Staufen mislocalization phenotype in various stage 9 oocytes. The ectopic mislocalization of Staufen in *Pat1* mutants is rescued by the expression of *Pat1* in the germline (*Pat1; maternal  $\alpha$ -4-tubulin-Pat1*), as well as by the expression of a genomic-KLC transgene (*Pat1; GEN-KLC*).