

**Table S2:** Spindle phenotypes and knockdown of shRNA lines used in this study

<b>GENOTYPE</b>	<b>Knockdown of mRNA (%) 1</b>	<i>tubP-GAL4</i> <sup>2</sup>	<i>matalpha4-GAL- VP16</i> <sup>2</sup>	<b>% abnormal spindles <sup>3</sup> (N)</b>	<b>P-value <sup>4</sup></b>
Wild type	NA	Viable	Fertile	0 (30)	-
<i>polo GL00014</i>	36	lethal	sterile	70 (31)	0.001
<i>polo GL00512</i>	9	lethal	sterile	100 (9)	0.001
<i>Rho1 HMS00375</i>	28	lethal	sterile	40 (43)	0.0001
<i>sticky GL00312</i>	35	lethal	sterile	30 (38)	0.0016
<i>RhoGEF2 HMS01118</i>	11	lethal	sterile	6 (18)	0.375
<i>pbl GL01092</i>	6	lethal	sterile	10 (21)	0.165

<sup>1</sup> Effect on mRNA expression evaluated by qRT-PCR (see Materials and Methods)

<sup>2</sup> Phenotype when crossed to the indicated GAL4 expressing line.

<sup>3</sup> Abnormal spindles were scored as any spindles that have frayed microtubules, not tapered poles or disorganized central spindle.

<sup>4</sup> Fisher's exact test was used to calculate the P-values compared to wild-type