

Table S1. Spindle-severing experiments

Genotype	n	A ($\mu\text{m}/\text{sec}$)	P ($\mu\text{m}/\text{sec}$)	Anaphase (Student's <i>t</i> -test, versus wild type)	
				(A)	(P)
Wild-type metaphase	8	0.65 \pm 0.18	0.70 \pm 0.08	<i>P</i> >0.5	<i>P</i> <0.001
<i>pph-6(RNAi)</i> metaphase*	8	0.69 \pm 0.09	0.79 \pm 0.14	<i>P</i> ~0.2	<i>P</i> <0.001
<i>goa-1(sa734)</i> metaphase*	8	0.67 \pm 0.05	0.70 \pm 0.04	<i>P</i> >0.05	<i>P</i> <0.001
<i>gpa-16(RNAi)</i> metaphase*	14	0.68 \pm 0.02	0.71 \pm 0.01	<i>P</i> >0.5	<i>P</i> <0.001
Wild type [†]	9	0.68 \pm 0.10	1.10 \pm 0.12		
<i>pph-6(RNAi)</i>	12	0.40 \pm 0.09	0.56 \pm 0.08	<i>P</i> <0.001	<i>P</i> <0.001
<i>saps-1(RNAi)</i>	10	0.39 \pm 0.07	0.57 \pm 0.07	<i>P</i> <0.001	<i>P</i> <0.001
<i>goa-1(sa734)</i> [‡]	12	0.69 \pm 0.08	0.73 \pm 0.09	<i>P</i> ~0.2	<i>P</i> <0.001
<i>gpa-16(RNAi)</i> [‡]	15	0.60 \pm 0.07	0.65 \pm 0.07	<i>P</i> ~0.1	<i>P</i> <0.001
<i>gbp-1(RNAi)</i> [‡]	8	0.96 \pm 0.08	0.97 \pm 0.23	<i>P</i> <0.001	<i>P</i> <0.001
<i>saps-1/gbp-1(RNAi)</i>	9	0.74 \pm 0.15	0.92 \pm 0.09	<i>P</i> ~0.2	<i>P</i> <0.001
<i>csnk-1(RNAi)</i>	10	0.92 \pm 0.13	1.25 \pm 0.18	<i>P</i> <0.001	<i>P</i> <0.001
<i>saps-1/csnk-1(RNAi)</i> [§]	9	0.49 \pm 0.08	0.59 \pm 0.07	<i>P</i> <0.001	<i>P</i> <0.001
<i>ani-1(RNAi)</i>	9	0.75 \pm 0.08	1.00 \pm 0.10	<i>P</i> >0.2	<i>P</i> >0.05
Latrunculin/wild type	11	1.14 \pm 0.20	1.05 \pm 0.17	<i>P</i> <0.001	<i>P</i> >0.2
Latrunculin/ <i>saps-1(RNAi)</i>	14	0.70 \pm 0.04	0.64 \pm 0.06	<i>P</i> <0.001	<i>P</i> <0.001

Average peak velocities were estimated as described in the Materials and methods for the anterior (A) and posterior (P) spindle poles. Spindle-severing experiments were performed at anaphase unless otherwise indicated, or at metaphase, as indicated, before the initial spindle displacement. '±' corresponds to standard deviation.

*The values obtained for the anterior and posterior poles are statistically similar to those of the wild type in metaphase (A, *P*>0.2; P, *P*>0.1).

[†]These values are statistically indistinguishable from those reported by Afshar et al. (Afshar et al., 2004; Afshar et al., 2005) (*P*>0.2).

[‡]From Afshar et al. (Afshar et al., 2004).

[§]The value for the posterior pole is statistically similar to those of *pph-6(RNAi)* and *saps-1(RNAi)* (*P*>0.2). The value for the anterior pole is at limit of being statistically different from *pph-6(RNAi)* and *saps-1(RNAi)* (*P*~0.05).