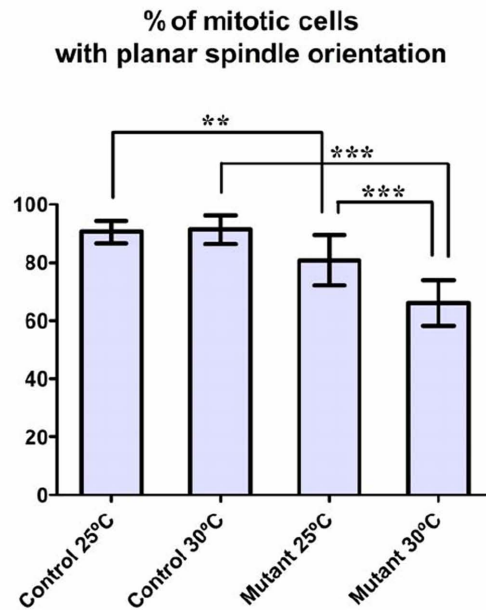


A



B

% of mitotic divisions with planar spindle orientation								
Genotypes compared	Mean ± SD (%)		≠	P value (t-)	n (wing discs)		n (cells)	
	apkc <sup>ts</sup> /+(25°C) vs Df(2R)l4/+(25°C)	91.9 ± 2.03			89.4 ± 4.75	NO	P=0.281	5
apkc <sup>ts</sup> /+(30°C) vs Df(2R)l4/+(30°C)	90.0 ± 5.21	92.4 ± 4.70	NO	P=0.398	6	7	181	282
apkc <sup>ts</sup> /Df(2R)l4 (25°C) vs apkc <sup>ts</sup> /apkc <sup>k06403</sup> (25°C)	79.7 ± 11.3	82.3 ± 3.11	NO	P=0.603	8	6	217	193
apkc <sup>ts</sup> /Df(2R)l4 (30°C) vs apkc <sup>ts</sup> /apkc <sup>k06403</sup> (30°C)	65.4 ± 5.69	67.1 ± 10.2	NO	P=0.659	10	8	243	213
Control 25°C <sup>1</sup> vs Control 30°C <sup>2</sup>	90.5 ± 3.8	91.3 ± 4.8	NO	p=0.682	11	13	376	489
Control 25°C <sup>1</sup> vs Mutant 25°C <sup>3</sup>	90.5 ± 3.8	80.8 ± 8.6	YES	P=0.002	11	14	376	410
Control 25°C <sup>1</sup> vs Mutant 30°C <sup>4</sup>	90.5 ± 3.8	66.1 ± 7.8	YES	P=0.0001	11	18	376	456
Control 30°C <sup>2</sup> vs Mutant 25°C <sup>3</sup>	91.3 ± 4.8	80.8 ± 8.6	YES	P=0.0007	13	14	489	410
Control 30°C <sup>2</sup> vs Mutant 30°C <sup>4</sup>	91.3 ± 4.8	66.1 ± 7.8	YES	P=0.0001	13	18	489	456
Mutant 25°C <sup>3</sup> vs Mutant 30°C <sup>4</sup>	80.8 ± 8.6	66.1 ± 7.8	YES	P=0.0001	14	18	410	456

<sup>1</sup>The genotypes apkc<sup>ts</sup>/+ and Df(2R)l4/+ at 25°C were pooled.

<sup>2</sup>The genotypes apkc<sup>ts</sup>/+ and Df(2R)l4/+ at 30°C were pooled.

<sup>3</sup>The genotypes apkc<sup>ts</sup>/Df(2R)l4 and apkc<sup>ts</sup>/apkc<sup>k06403</sup> at 25°C were pooled.

<sup>4</sup>The genotypes apkc<sup>ts</sup>/Df(2R)l4 and apkc<sup>ts</sup>/apkc<sup>k06403</sup> at 30°C were pooled.