

**Table S4. KIFC5A silencing partly rescues the effect of Eg5 inhibition on the mitotic spindle**

siRNA		Monastrol	KIFC5A + Monastrol
Total number of cells counted		10972	10631
Interphase cells		10498 (95.7%)	10338 (97.2%)
Mitotic cells with	‘monastral’ spindle	443 (4%) [93.5%]	201 (1.9%) [68.6%]
Mitotic cells in	prophase	17 (0.1%) [3.5%]	42 (0.4%) [14.34%]
	prometaphase	14 (0.1%) [3%]	38 (0.4%) [12.97%]
	metaphase	-	4 (0%) [1.37%]
	anaphase	-	2 (0%) [0.68%]
	telophase	-	6 (0.1%) [2.05%]
Mitotic cells (non-monastrol phenotype)		31 (0.2%) [6.5%]	92 (0.9%) [31.4%]
(% of all cells)			
[% of all mitotic cells]			