

Table S1. A table summarizing the statistics of the mitotic index and phenotypes of 1022M, 1022M+Stil and 3T3 cells expressing shRNA targeting Stil, as shown in Figs 1 and 2.

Remarks	Monopolar	Multipolar	Normal	Number of mitoses	Number of cells	
*	–	10	–	10	7200	1022M
*	–	2	12	14	1100	1022M+ Stil
**	2	–	31	33	800	3T3 RNAi control
** 9 out of 17 have 3 poles	3	17	1	21	3000	3T3 RNAi Stil

Student's *t*-tests: *, $P < 1.59281\text{E-}06$, **, $P < 4.83089\text{E-}07$ for 1022M and 3T3, respectively.