

Table S1. Strains used and attachment at cytokinesis. Genotype, genetic background and source of the strains used in this work. Note that whilst SCAR and myosin II null strains were generated in Ax3 genetic background, other mutants were generated by others in the Ax2 background. The appropriate control was used in all cases. In order to score detachment at mitosis, time-lapse DIC movies of cells dividing on glass coverslips were captured. Mitoses were scored as detached if at least one of the daughter cells lost contact with the substratum during division. At least 15 divisions were scored for each strain and values are for cells grown in the absence of blebbistatin or doxycycline unless stated.

Strain	Genotype	Reference	% Detached	
Ax3	Wt (<i>axeA1,axeB1,axeC1</i>)	Sussman and Sussman 1967	0	
IR46	<i>Ax3, pyr5-6, scrA::pyr5-6</i>	Blagg <i>et al.</i> 2003	-Bleb 65	+Bleb 0
JK103	<i>Ax3,mhcA::bsr</i>	This work	0	
JK107	<i>Ax3, scrA::pyr5-6, mhcA::bsr, P_{Tet-ON} - scrA</i>	This work	+Dox 0	-Dox 0
AP1	<i>Ax3, hspc300::bsr</i>	Pollitt and Insall, 2009		
IR57	<i>Ax3, napA::bsr</i>	Ibarra <i>et al.</i> 2006		
SB3	<i>Ax3, pir121::bsr</i>	Blagg <i>et al.</i> 2003		
Ax2	Wt (<i>axeA2,axeB2,axeC2</i>)	Watts and Ashworth 1970	3	
EB1	<i>Ax2, ebl::bsr</i>	Rehberg and Graf 2002	73	
Ax2 scar-	<i>Ax2, scrA::bsr</i>	Steffen <i>et al.</i> 2006		