

Table S2. Summary statistics of swarm plots

Analysis type	Genotype	Mean	StDev	n=
Clumping duration (min), Figure 1E	<i>Δain1</i>	19.7	7.2	45
	<i>Δain1 Δmyo51</i>	20.0	9.9	26
	<i>Δain1 Δmyp2</i>	26.5	6.6	12
Clumping fluorescence intensity (A.U.), Figure 1G	<i>Δain1</i>	1.9x10 ⁴	8.4x10 ³	19
	<i>Δain1 Δmyo51</i>	1.3x10 ⁴	4.4x10 ³	19
% constricted at start of shedding, Figure 3C	Wild type	61.8	6.0	38
	<i>Δain1</i>	58.0	7.9	44
	<i>Δmyo51</i>	65.0	5.0	42
	<i>Δain1 Δmyo51</i>	50.6	8.5	51
Shedding duration (min), Figure 3D	Wild type	13.8	3.6	30
	<i>Δain1</i>	14.8	3.6	30
	<i>Δmyo51</i>	13.7	3.6	30
	<i>Δain1 Δmyo51</i>	23.7	5.8	30
Timing of ring assembly (min), Figure S1A	Wild type	17.0	3.5	43
	<i>Δain1</i>	12.7	2.4	38
	<i>Δmyo51</i>	30.2	4.7	47
	<i>Δain1 Δmyo51</i>	21.4	4.1	46
Timing of constriction onset (min), Figure S1B	Wild type	36.6	3.7	37
	<i>Δain1</i>	37.9	4.6	34
	<i>Δmyo51</i>	41.8	3.8	41
	<i>Δain1 Δmyo51</i>	43.8	4.2	42
Timing of clumping onset (min), Figure S1C	<i>Δain1</i>	9.8	6.0	25
	<i>Δain1 Δmyo51</i>	13.5	5.0	26
Timing of clumping end (min), Figure S1D	<i>Δain1</i>	29.4	9.1	25
	<i>Δain1 Δmyo51</i>	33.5	8.7	26
Timing of shedding onset (min), Figure S1E	Wild type	64.1	4.3	43
	<i>Δain1</i>	65.5	5.7	34
	<i>Δmyo51</i>	72.0	5.3	29
	<i>Δain1 Δmyo51</i>	70.2	6.0	37
Timing of ring disassembly (min), Figure S1F	Wild type	77.0	7.0	24
	<i>Δain1</i>	79.2	4.5	19
	<i>Δmyo51</i>	82.8	4.3	11
	<i>Δain1 Δmyo51</i>	89.1	6.6	13
Maturation duration (min), Figure S1G	Wild type	19.4	5.4	37
	<i>Δain1</i>	25.2	4.8	34
	<i>Δmyo51</i>	11.9	4.8	41
	<i>Δain1 Δmyo51</i>	22.2	4.5	41
Constriction rate (μm/min), Figure S1H	Wild type	0.28	0.04	15
	<i>Δain1</i>	0.27	0.03	20
	<i>Δmyo51</i>	0.31	0.04	15
	<i>Δain1 Δmyo51</i>	0.28	0.04	20
Width of shed (% of cell width), Figure S1J	Wild type	77.8	10.2	10
	<i>Δain1</i>	78.0	6.3	10
	<i>Δmyo51</i>	74.4	11.4	10
	<i>Δain1 Δmyo51</i>	89.4	5.8	10
Global fluorescence intensity of DMSO and LatA (A.U.), Figure S2	DMSO	1.5x10 ⁷	1.4x10 ⁶	15
	LatA	1.5x10 ⁷	1.8x10 ⁶	15