

Table 1. Structure of F-actin contractile rings obtained by analyses of equatorially sectioned images

	Ring #1	Ring #2	Ring #3	Ring #4	Ring #5	Ring #6
Cell cycle stage	early anaphase B	early anaphase B	late anaphase B	late anaphase B	cytokinesis	cytokinesis
Number of serial sections	14	20	32	19	33	26
Number of total filaments in each F-actin ring (%)	1,119 (100)	1,571 (100)	1,460 (100)	2,000 (100)	2,112 (100)	1,066 (100)
Number of clockwise filaments (%)	468 (41.8)	710 (45.2)	509 (34.9)	899 (45)	731 (34.6)	356 (33.3)
Number of counterclockwise filaments (%)	581 (51.9)	645 (41.1)	676 (46.3)	873 (43.7)	886 (42.0)	427 (40)
Number of other filaments (%)	70 (6.3)	216 (13.7)	275 (18.8)	228 (11)	495 (23.4)	283 (26.5)
Length of F-actin (average \pm SD μ m)	0.61 \pm 0.16	0.59 \pm 0.16	0.59 \pm 0.15	0.58 \pm 0.17	0.45 \pm 0.11	0.45 \pm 0.13
Estimated diameter of the ring (μ m)	2.31	2.38	2.33	2.54	1.43	1.89

The average length of F-actin was obtained for randomly extracted 100 F-actins. Some of these F-actins spanned two serial sections. Diameter of the ring was estimated as follows. First, the area enclosed by a median circle of a ring, which passes through midpoints of the width of the ring was estimated using NIH Image. The diameter was then calculated supposing that the median circle was a complete circle.