

Correction: Biphasic targeting and cleavage furrow ingression directed by the tail of a myosin II

Xiaodong Fang, Jianying Luo, Ryuichi Nishihama, Carsten Wloka, Christopher Dravis, Mirko Travaglia, Masayuki Iwase, Elizabeth A. Vallen, and Erfei Bi

Vol. 191 No. 7, December 27, 2010. Pages 1333–1350.

After publication of the paper, the authors discovered an error in figure preparation. In Fig. 3 B of the original manuscript, the authors used the same *mlc1-11* GFP channel kymograph in both the *mlc1-11* (left) and *iqg1Δ* (right) panels. The authors have provided the corrected image and the affected legends (Fig. 3 and Video 2). This error in figure preparation does not impact the conclusions of the paper.

The HTML and PDF versions of the article have been corrected. The error remains only in the print version.

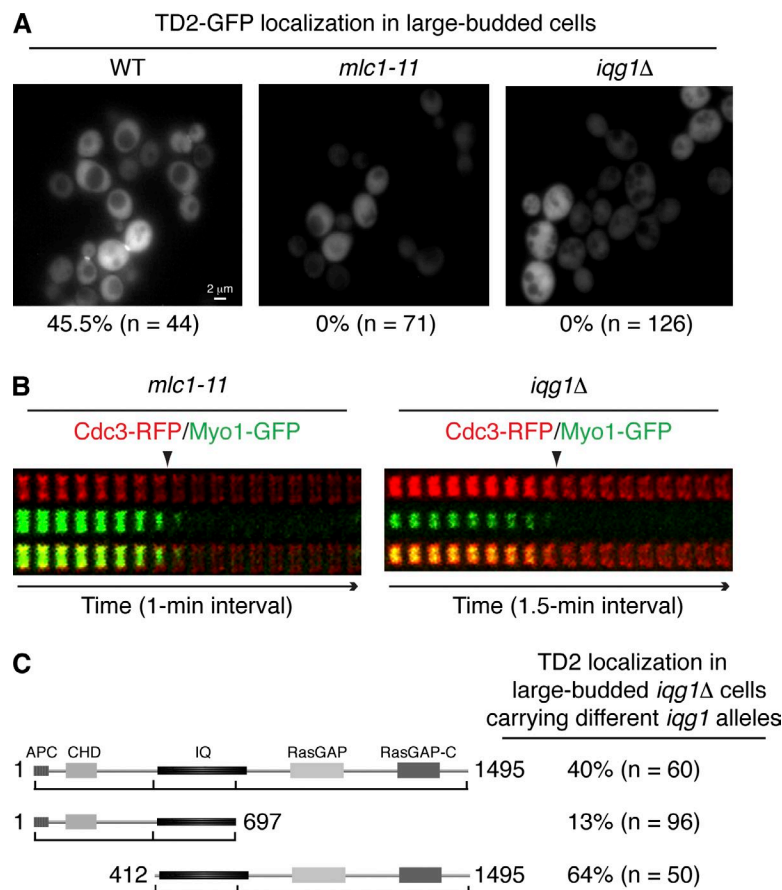
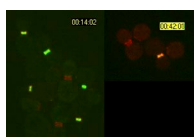


Figure 3. Myo1 targeting during cytokinesis depends on Mlc1 and Iqg1. (A) myo1-TD2 localization depends on Mlc1 and Iqg1. Wild-type (WT) (XDY154), *mlc1-11* (XDY173), and *iqg1Δ* (XDY218) cells carrying plasmid pRS316-MYO1-TD2-GFP were grown in SC-Ura medium at 23°C and then examined for myo1-TD2 localization. (B) Full-length Myo1 localization depends on Mlc1 and Iqg1. Strains YEF6179 (*mlc1-11* MYO1-GFP CDC3-RFP; left) and YEF6325 (*iqg1Δ* CDC3-RFP, pRS316-MYO1-C-GFP; right) were grown in liquid SC-Leu media at 23°C and then imaged by 3D dual-color time-lapse microscopy at 23°C with indicated intervals. Montage images of the GFP, RFP, and merged channels from the representative time-lapse data are shown here. Arrowheads indicate the splitting of septin hourglass into two cortical rings, which coincides with mitotic exit and the onset of cytokinesis. (C) myo1-TD2 localization in cells containing different *iqg1* alleles. Plasmid pRS315 derivatives carrying the indicated *iqg1* alleles (see Table III) were transformed into strain XDY218. Transformants were grown in SC-Ura-Leu medium at 23°C and then quantified for myo1-TD2 localization. APC, APC/C recognition site; CHD, calponin-homology domain; IQ, IQ motifs; Ras-GAP, RasGAP-related domain; RasGAP-C, RasGAP C terminus-related domain.



Video 2. Full-length Myo1 disappears from the bud neck at the onset of cytokinesis in *mlc1-11* and *iqg1Δ* cells. (Left) Strain: YEF6179 (*mlc1-11* MYO1-GFP CDC3-mCherry:LEU2). Green, Myo1-GFP; red, Cdc3-RFP. 1-min time-lapse interval is shown. (Right) Strain: YEF6325 (*iqg1Δ* CDC3-mCherry:LEU2, pRS316-MYO1-C-GFP). Green, Myo1-GFP; red, Cdc3-RFP. 1.5-min time-lapse interval is shown.