

SUPPLEMENTARY MATERIAL FOR:

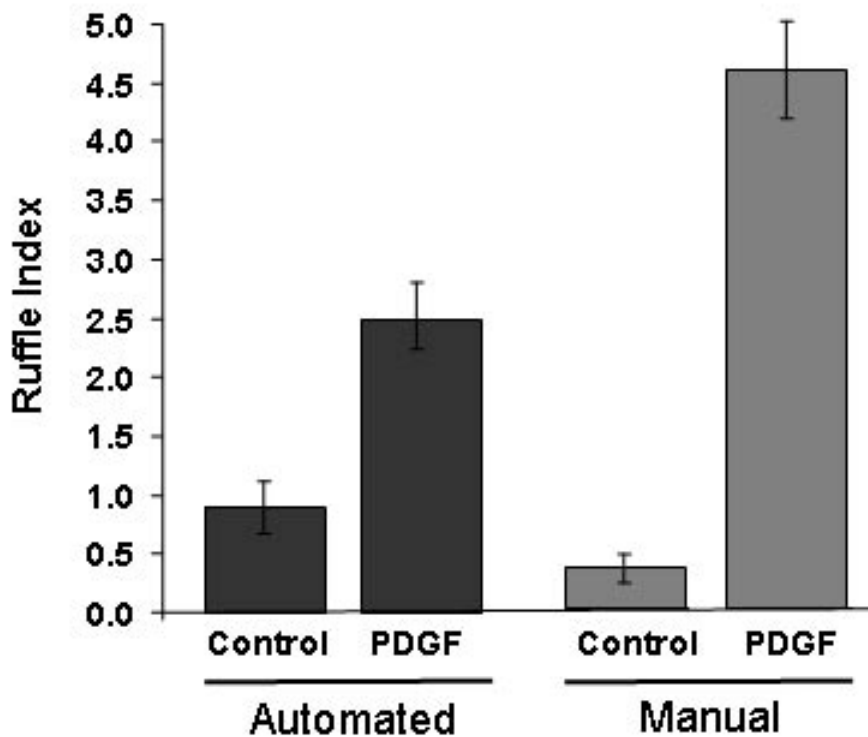
Automated classification and quantification of F-actin-containing ruffles in confocal micrographsQing Yi and Marc G. Coppolino
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Figure S1. Automated quantification of platelet-derived growth factor (PDGF)-induced ruffle formation in NIH 3T3 cells. NIH 3T3 cells were treated with 40 ng/mL PDGF in Dulbecco's modified Eagle's medium (DMEM) for 10 min, fixed, stained with rhodamine-phalloidin, and imaged as described. Calculated ruffle indices (expressed as mean \pm standard error) from manual and automated classifications are shown. Control, cells were treated with DMEM alone. Student's *t*-test showed that the differences between control and PDGF-treated samples are significant for both methods of analysis, with two-tailed *P* values being 0.0391 for the automated protocol and 0.00632 for the manual scoring. Results are from three independent experiments with >15 cells per experiment.