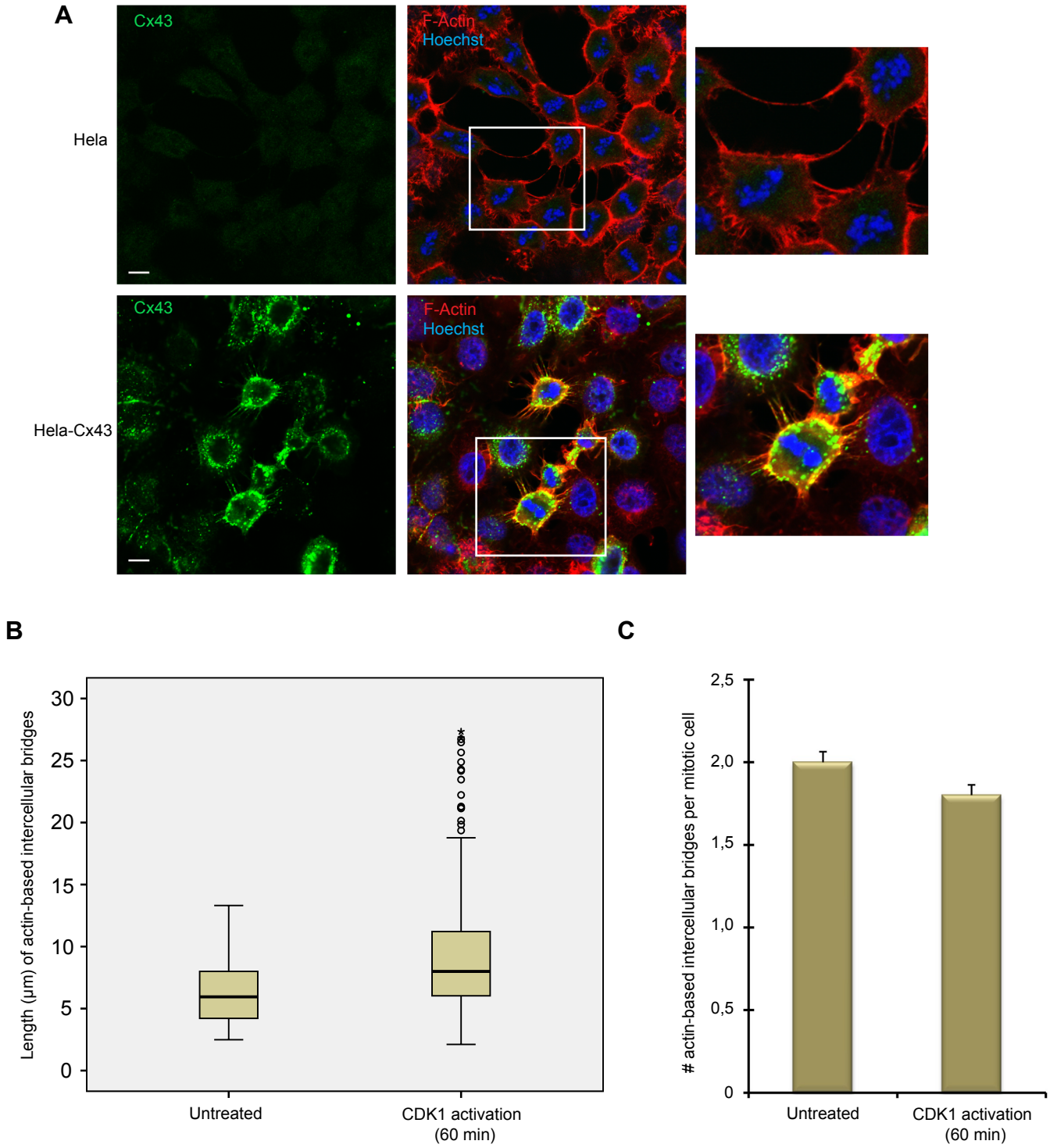

Figure S4. Characterization of actin-based plasma membrane bridges between mitotic HeLa cells and adjacent cells. (A) Untransfected HeLa cells (upper panel) or HeLa cells stably transfected with Cx43 (HeLa-Cx43, lower panel) were fixed and stained against Cx43 (green) and F-actin (red). The nuclei were stained using Hoechst. Scale bars, 10 µm. **(B, C)** HeLa-Cx43 cells were left untreated or treated with RO-3306 (10 µM) for 18 hours. RO-3306 was then washed out, and the cells were incubated in normal culture medium for 60 minutes. The cells were then fixed and stained against F-actin and the nuclei were stained with Hoechst. The number and length of actin-based intercellular bridges were quantified using immunofluorescence confocal microscopy, as shown in Figure 4D and E. (B) The distribution of the length of the actin-based intercellular bridges in untreated and in cells synchronized in mitosis using RO-3306 is shown by a boxplot. (C) The average number of actin-based plasma membrane bridges between mitotic cells and adjacent cells per mitotic cell was analyzed in the untreated cells and in cells synchronized in mitosis using RO-3306. Values shown are the mean ± S.E.M.