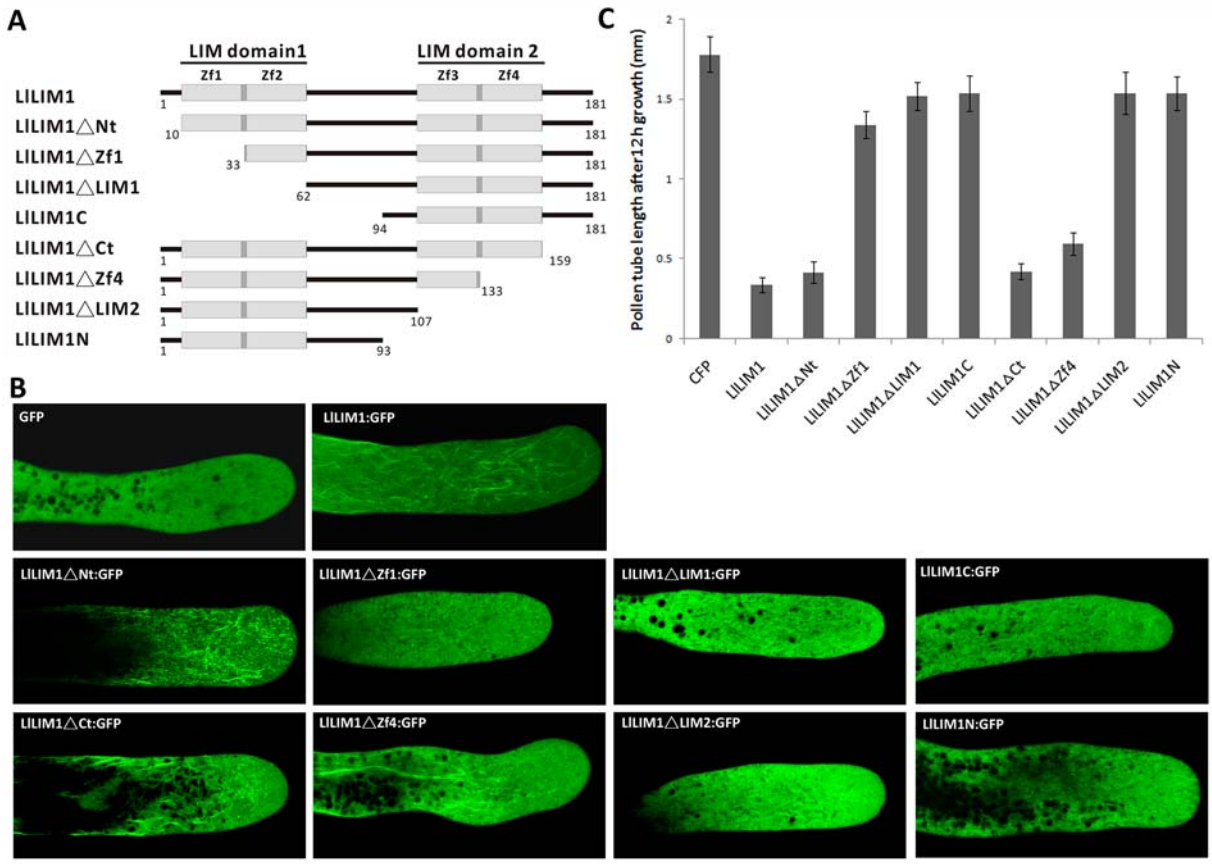

Supplemental Figure 2. Co-sedimentation assays revealed direct binding to promote F-actin bundling by N- (LlLIM1N) and C-half (LlLIM1C) recombinant LlLIM1 proteins.

High-speed co-sedimentation assays were used to examine the binding ability of LlLIM1N or LlLIM1C recombinant proteins to F-actin. Various amounts (0 to 48 μM) of LlLIM1N (A) and LlLIM1C (B) were incubated with 4 μM F-actin for 1 hr, then centrifuged at 100,000xg for 45 min and analyzed by SDS-PAGE. Low-speed co-sedimentation assay was used to examine the capability for F-actin bundle assembly of these recombinant proteins. Various amounts (0 to 64 μM) of LlLIM1N (C) and LlLIM1C (D) recombinant proteins were incubated with 4 μM F-actin for 1 hr, then centrifuged at 12,500xg for 45 min. Equal amounts of pellet (P) and supernatants (S) were analyzed by SDS-PAGE and Coomassie Blue staining.