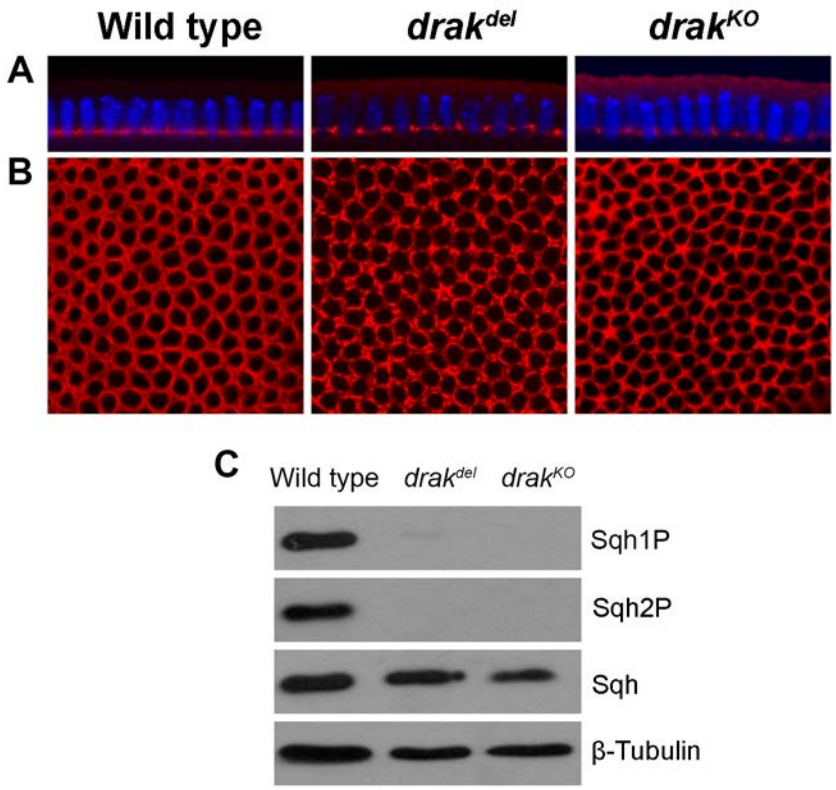

Figure S1 *drak*^{del} and *drak*^{KO} defects in myosin II organization during cellularization. Embryos were stained with anti-Zip antibody (red) and Hoechst (blue). (A) Cross-sections showing the early cellularization front. The cellularization fronts of *drak*^{del} and *drak*^{KO} mutant embryos are wavy because the furrow canals have different depths. (B) Grazing section projections of early cellularizing embryos showing the microfilament network. *drak*^{del} and *drak*^{KO} mutant embryos show clumps of myosin II in some regions of the microfilament rings and absence of myosin II in other regions. (C) Western blot showing decreased mono-phosphorylated (Sqh1P) and di-phosphorylated (Sqh2P) Sqh protein (Sqh) in cellularization-stage *drak*^{del} and *drak*^{KO} mutant embryos. No differences in total Sqh (phosphorylated and non-phosphorylated) levels between *drak*^{del} and *drak*^{KO} mutant embryos, and wild-type embryos were observed. β-Tubulin was used as a loading control. Scale bars, 20 μm.