



Figure S12. Reduction of cortical actin and the emergence of long actin-rich filopodia (arrows) in M38K^{Opto-mFGFR1} cells in response to blue light. (left) Unstimulated M38K^{Opto-mFGFR1} cells. (right) M38K^{Opto-mFGFR1} cells stimulated with blue light. Red: TRITC-phalloidin staining. Blue: DAPI staining. Cells were stimulated with blue light for 5 min every 15 min for 48 h. Light intensity was $\sim 2.5 \mu\text{W}/\text{mm}^2$. **Scale bar: 20 μm .**