



Figure S5. Activation of Elk1 luciferase reporter in response to blue light depends on the MAPK/ERK pathway. UO126, a selective MEK inhibitor, abolishes reporter activation in HEK293 cells transiently transfected with Opto-mFGFR1. Inhibitor was added at a concentration of 10 μ M 45 min prior to light stimulation. Cells were stimulated with blue light for 8 h followed by detection of luciferase activity. Light intensity was \sim 2.5 μ W/mm². Mean values \pm SEM for two independent experiments each performed in triplicates are shown.