Figure S5. Activation of Elk1 luciferase reporter in response to blue light depends on the MAPK/ERK pathway. U0126, a selective MEK inhibitor, abolishes reporter activation in HEK293 cells transiently transfected with Opto-mFGFR1. Inhibitor was added at a concentration of 10 µM 45 min prior to light stimulation. Cells were stimulated with blue light for 8 h followed by detection of luciferase activity. Light intensity was ~2.5 µW/mm². Mean values ± SEM for two independent experiments each performed in triplicates are shown.