



Figure S4. Activation of transcription in response to blue light in HEK293 cells transfected with a transcription factor that contains VfAU1-LOV (GA-VfAU1-LOV-P). This transcription factor requires dimerization for activity. Gene design and positive control (GAVPO) are described in Materials and Methods. 24 h after transient transfection, cells were stimulated with blue light for 8 h followed by detection of luciferase activity. Light intensity was $\sim 2.5 \mu\text{W}/\text{mm}^2$. Mean values \pm SEM for three independent experiments each performed in triplicates are shown.