



Figure 2 – figure supplement 1: **Effects of perturbation of cell-cell communication on the expression of  $P_{pecB-gfp}$ .** (A) Average cell fluorescence intensity from  $P_{pecB-gfp}$  in a filament of a  $\Delta sepJ/\Delta fraCD$  *Anabaena* strain as a function of time (full black circles); Intensity of autofluorescence as a function of time (blue circles). Data were taken from at least 30 contiguous cells along a filament. (B) Expression from a  $P_{pecB-gfp}$  fusion in the lineages of four (color coded) contiguous cells as a function of time.