

**Figure S2.** Control cultures of the *S. coelicolor* wild-type strain showing the absence of autofluorescence under the culture conditions, developmental time-points and the microscopy settings used to follow the FtsZ-eGFP, SCO2102-mCherry and SCO2103-eGFP kinetic shown in Figures 7 and 8. Scale bars indicate 5  $\mu$ m.

