Additional file 10 eGFP labelling of *Streptomyces sp.* AcH 505

To obtain eGFP labelled *S. sp.* AcH505, the plasmid pRM4.3, which is a pSET152 derivative containing the *egfp* gene under control of the constitutive ermE* promoter [1] was introduced into the strain by interspecific conjugation using a modified protocol according to Kieser et al. [2]: *E. coli* ET12567 (pUB307) [3, 4] was transformed with pRM4.3. Transformants were grown over night in LB supplemented with the antibiotics kanamycin 50 µg x mL⁻¹, chloramphenicol 12.5 µg x mL⁻¹, and apramycin 50 µg x mL⁻¹ at 37 °C on a rotary shaker. Cells were harvested, washed twice with LB without antibiotics and resuspended in 1 ml of LB. 100 µL of this cell suspension was mixed with ~ 1x 10⁸ spores of *S. sp.* AcH 505 and plated on SFM medium (20 % soybean flour, 20 % mannitol, 1.6 % agar, pH 7.5) supplemented with 10 mM MgCl₂. After 16 h cultivation at 29 °C, the plates were overlayed with 1 ml H₂O containing 1.5 mg x mL⁻¹ apramycin and 0.75 mg x mL⁻¹ nalidixic acid.

References


