

Additional File 1. *Streptomyces* and *Escherichia coli* strains used in this work.

Strain	Description	Reference
<i>S.coelicolor</i> M145	SCP1- SCP2- , reference strain	[1]
<i>Streptomyces venezuelae</i> NRRL B-65442	NRRL B-65442 strain	[1]
<i>E. coli</i> DH5α	F-Φ80lacZΔM15 Δ(lacZYA-argF)U169 recA1 endA1 hsdR17 (rk-, mk+) poa supE44 thi-1 gyrA96 relA1λ-	Invitrogen
<i>E. coli</i> ET12567/pUZ8002	<i>E. coli</i> ET12567 harbouring pUZ8002, a not self-transmissible plasmid which can mobilize <i>oriT</i> -containing plasmids by conjugation.	[2]
Sc-M1 mutant	<i>sco2730::Tn5062</i> mutant in <i>S.coelicolor</i> was generated by Tn5062 transposon insertion by conjugation with <i>E. coli</i> ET12567/pUZ8002	[3]
Sc-M2 mutant	<i>sco2730/31</i> antisense mRNA in <i>S. coelicolor</i> . Hygro ^R	[4]
Sc-M3 mutant	<i>sco2730</i> knockout in <i>S. coelicolor</i> . Apra ^R	This study
Sc-M4 mutant	<i>S. coelicolor</i> without chromosomal ends. Hygro ^R	This study
SC-M5 mutant	<i>S. coelicolor</i> combined a <i>SCO2730</i> knockout with the deletion of the chromosomal ends. Apra ^R Kan ^R Hygro ^R	This study
Sv-M1 mutant	<i>sco2730/31</i> antisense mRNA in <i>S. venezuelae</i> . Apra ^R Kana ^R	This study
Sv-M2 mutant	<i>S. venezuelae</i> without chromosomal ends. Hygro ^R	This study
Sv-M3 mutant	<i>S. venezuelae</i> combined the <i>sco2730/31</i> antisense mRNA with the deletion of the chromosomal ends. Apra ^R Kan ^R Hygro ^R	This study

References

1. Kieser T: *Practical Streptomyces genetics*. Norwich: John Innes Foundation; 2000.
2. Flett F, Mersinias V, Smith CP: **High efficiency intergeneric conjugal transfer of plasmid DNA from *Escherichia coli* to methyl DNA-restricting streptomycetes**. *FEMS Microbiol Lett* 1997, **155**:223-229.
3. Gonzalez-Quinonez N, Corte-Rodriguez M, Alvarez-Fernández-Garcia R, Rioseras B, Lopez-Garcia MT, Fernández-Garcia G, Montes-Bayon M, Manteca A, Yagüe P: **Cytosolic copper is a major modulator of germination, development and secondary metabolism in *Streptomyces coelicolor*** *Sci Rep* 2019, **9**:4214.
4. González-Quinónez N, Gutiérrez-Del-Río I, García-Cancela P, Fernández-García G, Alonso-Fernández S, Yagüe P, Pérez-Valero Á, Montes-Bayón M, Lombó F, Manteca Á: **The Modulation of SCO2730/31 Copper Chaperone/Transporter Orthologue Expression Enhances Secondary Metabolism in Streptomycetes**. *International Journal of Molecular Sciences* 2021, **22**:10143.