

Table S3. Bacterial strains, plasmids and primers used in this study.

Strain	Description	Reference
<i>S.coelicolor</i> M145	SCP1- SCP2 ⁻ , reference strain.	[1]
<i>Streptomyces venezuelae</i> NRRL B-65442	NRRL B-65442 strain	
<i>SCO2730::Tn5062</i> mutant	<i>S. coelicolor</i> interrupted at the <i>SCO2730</i> ORF	[2]
<i>Streptomyces albus</i> <i>J1074</i>	<i>S.albus</i> G lacking <i>Sall</i> restriction modification system	[3]
<i>E. coli</i> TOP10	F ⁻ <i>mcrA</i> Δ (<i>mrr-hsdRMS-mcrBC</i>) φ80 <i>lacZ</i> ΔM15 Δ <i>lacX74</i> <i>recA1</i> <i>araD139</i> Δ (<i>ara-leu</i>)7697 <i>galU</i> <i>galK</i> <i>rpsL</i> <i>endA1</i> <i>nupG</i> .	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.	[4]
Plasmids		
pNG4	Integrative and conjugative vector, Hygro ^R .	[5]
pNG4-SP44- <i>SCO2730/31</i> <i>S. coelicolor</i>	pNG4 harbouring the <i>S. coelicolor</i> <i>SCO2730/31</i> antisense mRNA under the SP44 promoter control	This study
pNG4-SP44- <i>SCO2730/31</i> consensus	pNG4 harbouring the consensus <i>SCO2730/31</i> antisense mRNA under the SP44 promoter control	This study
PCR™-Blunt II-TOPO®	Zero Blunt® TOPO® PCR Cloning Kit, Kan ^R .	Invitrogen
pKQLL-SP44- <i>SCO2730/31</i> <i>S. coelicolor</i>	Kan ^R , pBR322 replication origin, M13F/R harbouring the <i>S. coelicolor</i> <i>SCO2730/31</i> antisense mRNA under the SP44 promoter control	BGI, this study
pKQLL-SP44- <i>SCO2730/31</i> consensus	Kan ^R , pBR322 replication origin, M13F/R harbouring the consensus <i>SCO2730/31</i> antisense mRNA under the SP44 promoter control	BGI, this study
Primers		
SCO4848F	CGTCGTATCCCCTCGGTTG	[6]
pMS82R	GAGCCGGGAAAGCTCATTCA	[6]
vnz22340	TTACTTCTTGCTTGCTCGGAC	This study
M13F	CAGGAAACAGCTATGA	Invitrogen
M13R	CTGGCCGTCGTTTTAC	Invitrogen
SP44F	TCTCACTCCGCTGAAACTGT	This study
SP44R	ATGCTAGTCGCGTTGATCG	This study

References

1. Kieser, T., *Practical streptomyces genetics*. John Innes Foundation: Norwich, 2000.
2. Gonzalez-Quinonez, N.; Corte-Rodriguez, M.; Alvarez-Fernandez-Garcia, R.; Rioseras, B.; Lopez-Garcia, M. T.; Fernandez-Garcia, G.; Montes-Bayon, M.; Manteca, A.; Yague, P., Cytosolic copper is a major modulator of germination, development and secondary metabolism in *Streptomyces coelicolor*. *Sci Rep* **2019**, 9, (1), 4214.
3. Chater, K. F.; Wilde, L. C., *Streptomyces albus* G mutants defective in the SalGI restriction-modification system. *J Gen Microbiol* **1980**, 116, (2), 323-34.
4. Flett, F.; Mersinias, V.; Smith, C. P., High efficiency intergeneric conjugal transfer of plasmid DNA from *Escherichia coli* to methyl DNA-restricting streptomycetes. *FEMS Microbiol Lett* **1997**, 155, (2), 223-9.
5. Gonzalez-Quinonez, N.; Lopez-Garcia, M. T.; Yague, P.; Rioseras, B.; Pisciotto, A.; Alduina, R.; Manteca, A., New PhiBT1 site-specific integrative vectors with neutral phenotype in *Streptomyces*. *Appl Microbiol Biotechnol* **2016**, 100, (6), 2797-808.
6. Rioseras, B.; Yague, P.; Lopez-Garcia, M. T.; Gonzalez-Quinonez, N.; Binda, E.; Marinelli, F.; Manteca, A., Characterization of SCO4439, a D-alanyl-D-alanine carboxypeptidase involved in spore cell wall maturation, resistance, and germination in *Streptomyces coelicolor*. *Sci Rep* **2016**, 6, 21659.