**Table S2: Strains and plasmids used in this study**

|  |  |  |
| --- | --- | --- |
| **Strain or plasmid** | **Relevant property(ies)**¶ | **Reference** |
| *S. coelicolor* strains |
| M145 WT | Wild type strain. | [1] |
| M145 ∆*sco0921-20*::Ω *apraR* | WT M145 containing apramycin resistance cassette (*aac(3)-IV*) in place of *sco0921-20* operon. | This study |
| M145 *att*pSAM2::pOSV557-*sco0921-20* | WT M145 containing the plasmid pOSV557-*sco0921-20* integrated at pSAM2 *att*B site [2]  | This study |
| M145 *att*pSAM2::pOSV557-*sco0921* | WT M145 containing the plasmid pOSV557-*sco0921* integrated at pSAM2 *att*B site [2]. | This study |
| M145 *att*pSAM2::pOSV557-*sco0920* | WT M145 containing the plasmid pOSV557-*sco0920* integrated at pSAM2 *att*B site [2]. | This study |
| M145 ∆*sco0921-20*::Ω *apraR**att*pSAM2::pOSV557-*sco0921-20* | WT M145 containing apramycin resistance cassette (*aac(3)-IV*) in place of *sco0921-20* operon and the plasmid pOSV557-*sco0921-20* integrated at pSAM2 *att*B site [2]. | This study |
| M145∆ *sco0921-20*::Ω *apraR**att*pSAM2::pOSV557-*sco0921* | WT M145 containing apramycin resistance cassette (*aac(3)-IV*) in place of *sco0921-20* operon and the plasmid pOSV557-*sco0921* integrated at pSAM2 *att*B site [2]. | This study |
| M145 ∆*sco0921-20*::Ω *apraR**att*pSAM2::pOSV557-*sco0920* | WT M145 containing apramycin resistance cassette (*aac(3)-IV*) in place of *sco0921-20* operon and the plasmid pOSV557-*sco0920* integrated at pSAM2 *att*B site [2]. | This study |
| *S. lividans* strains |
| TK24 WT | Wild type strain. | [3] |
| TK24 ∆*sco0921-20*::Ω *apraR* | WT TK24 containing apramycin resistance cassette (*aac(3)-IV*) in place of *sco0921-20* operon. | This study |
| TK24 *att*pSAM2::pOSV557-*sco0921-20* | WT TK24 containing the plasmid pOSV557-*sco0921-20* integrated at pSAM2 *att*B site [2]. | This study |
| TK24 *att*pSAM2::pOSV557-*sco0921* | WT TK24 containing the plasmid pOSV557-*sco0921* integrated at pSAM2 *att*B site [2]. | This study |
| TK24 *att*pSAM2::pOSV557-*sco0920* | WT TK24 containing the plasmid pOSV557-*sco0920* integrated at pSAM2 *att*B site [2]. | This study |
| TK24 ∆*sco0921-20*::Ω *apraR**att*pSAM2::pOSV557-*sco0921-20* | WT TK24 containing apramycin resistance cassette (*aac(3)-IV*) in place of *sco0921-20* operon and the plasmid pOSV557-*sco0921-20* integrated at pSAM2 *att*B site [2]. | This study |
| TK24 ∆*sco0921-20*::Ω *apraR**att*pSAM2::pOSV557-*sco0921* | WT TK24 containing apramycin resistance cassette (*aac(3)-IV*) in place of *sco0921-20* operon and the plasmid pOSV557-*sco0921* integrated at pSAM2 *att*B site [2]. | This study |
| TK24 ∆*sco0921-20*::Ω *apraR**att*pSAM2::pOSV557-*sco0920* | WT TK24 containing apramycin resistance cassette (*aac(3)-IV*) in place of *sco0921-20* operon and the plasmid pOSV557-*sco0920* integrated at pSAM2 *att*B site [2]. | This study |
| *E. coli* strains |
| DH5α | General cloning strain. | [4] |
| ET12567 pUZ8002 | Strain used for conjugation between *E. coli* and *Streptomyces.* | [5] |
| Plasmids |
| pOSV400 | ColE1*, oriT, lacZ’*, *hph*This plasmid is replicative in *E. coli* but not in *S. coelicolor* and *S.* *lividans*. | [6] |
| pOSV400-UD-*sco0921-20-apraR* | pOSV400 containing upstream (1.3 kb) and downstream regions of *sco0921-20* operon (1.2 kb) with apramycin resistance cassette (*aac(3)-IV*) between them. | This study |
| pOSV557 | ColE1*, oriT, attP*, *int, hph, ampR*This plasmid is identical to pOSV010 [7] including a constitutive promoter *ermE*\* [8]. It is replicative in *E. coli* but integrative in *S. coelicolor* and *S. lividans*. | Unpublished data |
| pOSV557-*sco0921-20* | pOSV557 harboring *sco0921-20* gene under the control of the constitutive promoter *ermE*\* [8]. | This study |
| pOSV557-*sco0921* | pOSV557 harboring *sco0921* gene under the control of the constitutive promoter *ermE\** [8]. | This study |
| pOSV557-*sco0920* | pOSV557 harboring *sco0920* gene under the control of the constitutive promoter *ermE\** [8]. | This study |

¶ WT, Wild Type; apraR, resistance to apramycin, ampR, resistance to ampicillin, ColE1, origin of replication in *E. coli* (not functional in *S. coelicolor* and *lividans*); *oriT*, origin of transfer; *lacZ’*, gene encoding the LacZα; *hph* : gene encoding the resistance to hygromycin; *attP*, pSAM2 attachment site; *int*, pSAM2 conjugative integrase gene.

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