|  |  |  |  |
| --- | --- | --- | --- |
| Strain or Plamid | Characteristics | Resistance | Reference or Source |
| *Sinorhizobium meliloti* |   |   |
|   | Rm1021 | Wild type SU47 *str-21* | Sm | [77] |
|   | Rm2011 | Wild type SU47 *str-3* | Sm | M. Hynes |
|   | Rm5000 | Wild type SU47 *rif-5* | Rif | [80] |
|   | SmA818 | Rm2011 cured of pSymA | Sm | [24] |
|   | RmFL2878 | RmP110, *rhtA*::pTH1522; siderophore uptake mutant | SmGm | [76] |
|   | RmFL2950 | RmP110, *rhbB*::pTH1522; siderophore biosynthesis mutant | SmGm | [76] |
|   | RmP110 | Rm1021 with wild type *pstC* | Sm | [78] |
|   | RmP798 | RmP110, ΔB122 (deletion of pSymBnt: 1,529,711 - 1,572,422), pTH1944 | Sm Nm GmTc | [28] |
|   | RmP801 | RmP110, ΔB116 (deletion of pSymBnt: 1,256,503 - 1,307,752), pTH1944 | SmTc | [28] |
|   | RmP806 | RmP110, ΔB123 (deletion of pSymBnt: 1,529,711 - 1,652,588), pTH1944 | Sm Nm GmTc | [28] |
|   | RmP963 | RmP110, ΔA133 (deletion of pSymAnt: 1,281,754 - 1,348,238), pTH1944 | Sm Nm GmTc | [28] |
|   | RmP1615 | *metH*::Tn5; methionine auxotroph | Sm Nm | Laboratory Collection |
|   | RmP1815 | RmP110, ΔB123 from RmP806 | Sm Nm Gm | This study |
|   | RmP2686 | RmP110, *attB*::(pTH2750) *smb20996-engAsmb21712* (tRNAarg gene) via *attP1* | SmSp Nm | [27] |
|   | RmP2711 | RmP110, *attB*::(pTH2750) *smb20996-engAsmb21712* (tRNAarg gene) via *attP2* | SmSp Nm | This study |
|   | RmP2719 | RmP110, *attR-smb21712-engA-smb20996-ΩSmSp-attL* via *attB* | SmSp | This study |
|   | RmP2745 | RmP110, ΔB180 (635,940 - 869,642), pTH1944 | Sm Nm Tc | [28] |
|   | RmP2778 | SmA818, *attR-smb21712-engA-smb20996-ΩSmSp-attL* from RmP2917 | SmSp | This study |
|   | RmP2805 | RmP2778, ΔB180 from RmP2745 | SmSp Nm | This study |
|   | RmP2917 | Rm2011 cured of pSymA and pSymB | SmSp | This study |
|   | RmP3004 | Rm2011, ΔB180 from RmP2745 | Sm Nm | This study |
|   | RmP3005 | RmP3004, *attR-smb21712-engA-smb20996-ΩSmSp-attL* from RmP2778 | SmSp Nm | This study |
|   | RmP3009 | Rm2011 cured of pSymB | SmSp | This study |
| Other |  |   |   |   |
|  | *Aspergillus species* | Isolated from alfalfa farm soil |   | This study |
|  | *Pseudomonas syringae*pv. tomato DC3000 | Wild type | Rif | R. Cameron |
|  | *Streptomyces coelicolor*M145 | Wild type |   | M. Elliot |
| Plamids |   |   |   |   |
|   | pRK600 | pRK2013NmR::Tn9, RK2 tra genes | Cm | [37] |
|   | pTH1414 | A pOT1 derivative expressing the pSymB*incα* incompatibility element | Gm | [29] |
|   | pTH1522 | A transcriptional reporter vector, pBR322 origin | Gm | [59] |
|   | pTH1944 | A pBBRmcs-3 derivative expressing *flp* | Tc | [28] |
|   | pTH2750 | A pUX19 derivative with *attP-ΩSmSp-smb20996-engA-smb21712-attP* | SmSp Km | [27] |
| Sm – streptomycin; Sp – spectinomycin; Gm – gentamycin; Nm – neomycin; Km – kanamycin; Tc – tetracycline; Cm – chloramphenicol; Rif – rifampicin. |

 **Table S1.Bacterial strains and plasmids.**