**Supplementary Table 1** Bacterial strains and plasmids used in this study.

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| --- | --- | --- |
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| **Strains / plasmids** | **Relevant characteristicsa** | **Reference / source** |
|  |  |  |
|  |  |  |
| *Xanthomonas oryzae* pv. *oryzicola* |
|  |  |  |
| RS105 | Wild-type, causal agent of bacterial leaf streak in rice, RifR | Zou et al., 2006 |
| R*∆fbaB* | *fbaB* deletion mutant of RS105, RifR | Guo et al., 2012 |
| R∆*hrpG* | *hrpG* deletion mutant of RS105, RifR | Guo et al., 2012 |
| R∆*hrpX* | *hrpX* deletion mutant of RS105, RifR | Guo et al., 2012 |
| R∆*hrpV* | *hrpV* deletion mutant of RS105, RifR | Guo et al., 2012 |
| R∆*vemR* | RS105 containing a 200-bp deletion in *vemR*, RifR | This study |
| CR∆*vemR* | R∆*vemR* containing pHvemR *in trans,* RifR,SpR | This study |
| CR∆*vemRD56E* | R∆*vemR* containing pHvemRD56E *in trans,* RifR,SpR | This study |
| CR∆*vemRD56V* | R∆*vemR* containing pHvemRD56V *in trans,* RifR,SpR |  |
| RS105/Tn*5*::*vemR* | RS105 containing Tn*5* insertion in *vemR,* RifR,KanR | This study |
| R∆*vemR*/pH*vemR*::HA::Flag  | R∆*vemR* containing pH*vemR*::HA::Flag, RifR, SpR | This study |
| R∆*vemR*/pHM1 | ∆*vemR* containing pHM1plasmid, RifR, SpR | This study |
| *vemR*::His | RS105 containing pET*vemR* with His tag, RifR, KanR | This study |
| *atoC*::Flag | RS105 containing pH*atoC* with Flag tag, RifR, SpR | This study |
| *cheA*::Flag | RS105 containing pH*cheA* with Flag tag, RifR, SpR | This study |
| *hrpG*::Flag | RS105 containing pH*hrpG* with Flag tag, RifR, SpR | This study |
|  |  |  |
| *Escherichia coli* |
|  |  |  |
| TOP10 | F–*mcr*A Δ(*mrr*-*hsd*RMS-*mcr*BC) φ80*lac*ZΔM15 Δ*lac*X74 *rec*A1 *ara*D139 Δ(*ara-leu*)7697 *gal*U *gal*K λ–*rps*L(StrR) *end*A1 *nup*G | Invitrogen |
| DH5α | F– φ80*lac*ZΔM15 Δ(*lac*ZYA-*arg*F)U169 *rec*A1 *end*A1 *hsd*R17(rK–, mK+) *pho*A *sup*E44 λ-thi-1 *gyr*A96 *rel*A1 | Clontech |
| BL21 (DE3) | F–*omp*T *hsd*SB (rB–, mB–) *gal dcm* (DE3) | Novagen |
|  |  |  |
| *Saccharomyces cerevisiae*  |
|  |  |  |
| AH109 | *MATa trp1-901 leu2-3 112 ura3-52 his3-200 gal4 gal80 LYS2::GAL1UAS-GAL1TATA-His3* | Clontech |
|  |  |  |
| Plasmids |  |  |
|  |  |  |
| pMD19-T | pUC origin, cloning vector, ApR | TaKaRa |
| pHM1 | Broad-host range cosmid, *parA IncW* derivative of pRI40, SpR,SmR | Guo et al., 2012 |
| pH*vemR* | 681-bp *vemR* and upstream region in pHM1  | This study |
| pKMS1 | Suicide vector derived from pK18mobGII, *sacB+*, KanR | Zou et al., 2011 |
| pET30a(+) | pBR322 origin, *lacI,* His-tag at C-terminus, KanR | Novagen |
| pKΔ*vemR* | Contains fusion of the left (326-bp) and right (500-bp) regions flanking *vemR* (200 bp)in pKMS1, KanR | This study |
| pGBKT7 | Bait domain of GAL4, c-myc epitope tag, *TRP1*, KanR | TaKaRa |
| pGADT7 | Activation domain of GAL4, HA epitope tag, *LEU2*, ApR | TaKaRa |
| pB-*vemR* | *vemR* in pGBKT7, KanR | This study |
| pB-*vemR*D56E | *vemRD56E* in pGBKT7, KanR | This study |
| pB-*vemR*D56V | *vemRD56V* in pGBKT7, KanR | This study |
| pB-*hpa2* | *hpa2* in pGBKT7, KanR | Zou et al., 2011 |
| pA-*atoC* | *atoC* in pGADT7, ApR | This study |
| pA-*cheA* | *cheA* in pGADT7, ApR | This study |
| pA-*hrpF* | *hrpF* in pGADT7, ApR | Zou et al., 2011 |
| pA-*sucA* | *sucA* in pGADT7, ApR | This study |
| pA-*sirA* | *sirA* in pGADT7, ApR | This study |
| pA-*flgA* | *flgA* in pGADT7, ApR | This study |
| pfbaBcGUS | Contains the *fbaB* promoter fused to glucuronidase, KanR | Guo et al., 2012 |
|  |  |  |

aAp, ampicillin; Kan, kanamycin; Rif, rifampicin; Sm, streptomycin; and Sp, spectinomycin.

**References**

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