**Supplementary File 4: Strains used in this study.**

|  |  |  |  |
| --- | --- | --- | --- |
| Organism | Genotype | Description | Reference |
| *P. protegens* Pf-5 | wild-type |  | (Paulsen et al., 2005) |
|  | PFL\_6095 | *eagR1* deletion strain | This study |
|  | PFL\_6099 | *eagT2* deletion strain | This study |
|  | PFL\_6209  | *tne2* deletion strain | (Tang et al., 2018) |
|  | PFL\_6096 | *rhsA* deletion strain | (Tang et al., 2018) |
|  | PFL\_6079 | *pppA* deletion strain | This study |
|  | PFL\_6094 | *vgrG1* deletion strain | This study |
|  | PFL\_6096 PFL\_6097 attB::*lacZ*, TetR | *rhsA rhsI* deletion strain, constitutive lacZ expression, TetR | This study |
|  | PFL\_6079 PFL\_6096 PFL\_6097 attB::*lacZ*, TetR | *pppA rhsA rhsI* deletion strain, constitutive lacZ expression, TetR | This study |
|  | PFL\_6079 PFL\_6209 PFL\_6210 attB::*lacZ*, TetR | *pppA tne2 tni2* deletion strain, constitutive lacZ expression, TetR | This study |
|  | His10-PFL\_6096 | Expresses RhsA with a N-terminal His10 tag | This study |
|  | PFL\_6095 His10-PFL\_6096 | *eagR1* deletion strain expressing His10-RhsA | This study |
|  | PFL\_6099 His10-PFL\_6096 | *eagT2* deletion strain expressing His10-RhsA | This study |
|  | His10-PFL\_6209-VSV-G | Expresses Tne2 with a N-terminal His10 tag and a C-terminal VSV-G tag | This study |
|  | PFL\_6095 His10-PFL\_6209-VSV-G | *eagR1* deletion strain expressing His10-Tne2-VSV-G | This study |
|  | PFL\_6099 His10-PFL\_6209-VSV-G | *eagT2* deletion strain expressing His10-Tne2-VSV-G | This study |
|  | PFL\_6095 His10-PFL\_6096\_2-74 | *eagR1* deletion strain expressing His10-RhsA lacking its N-terminal TM region | This study |
|  | PFL\_6081 | *tssM* deletion strain | (Tang et al., 2018) |
|  | PFL\_6096\_2-74 | Expresses RhsA lacking its N-terminal TM region | This study |
|  | FLAG-PFL\_6094 His10-PFL\_6096 | Expresses VgrG1 with a N-terminal FLAG tag and His10-RhsA | This study |
|  | FLAG-PFL\_6094 His10-PFL\_6096\_∆2-74 | Expresses VgrG1 with a N-terminal FLAG tag and His10-RhsA∆NT | This study |
|  |  |  |  |
| *P. aeruginosa* PAO1 | PA4856 | *retS* deletion strain | (Goodman et al., 2004) |
|  | PA4856 PA0091 | *retS vgrG1a* deletion strain | (Whitney et al., 2014) |
|  | PA4856 PA0093 | *retS tse6* deletion strains | (Whitney et al., 2014) |
|  | PA4856 PA0094 | *retS eagT6* deletion strain | (Whitney et al., 2015) |
|  | PA4856 PA0093\_D11A | *retS* deletion strain expressing Tse6D11A | This study |
|  | PA4856 PA0093\_H15A | *retS* deletion strain expressing Tse6H15A | This study |
|  | PA4856 PA0093\_D11A\_H15A | *retS* deletion strain expressing Tse6D11A, H15A | This study |
|  | PA4856 PA0093\_∆2-61, ∆180-222 | *retS* deletion strain expressing Tse6∆prePAAR, ∆TMDs | (Quentin et al., 2018) |
|  | PA4856 PA0093\_∆16-61, ∆180-222 | *retS* deletion strain expressing Tse6∆TMDs | This study |
| *E. coli* SM10 λpir | *thi thr leu tonA lac Y supE recA*::RP4-2-Tc::Mu | Conjugation strain | BioMedal LifeScience |
| *E. coli* XL-1 Blue | *recA1* *endA1* *gyrA96 thi-1 hsdR17 supE44 relA1 lac* [F´ *proAB lacI*q Z∆*M15* Tn*10* (TetR)] | Cloning strain | Novagen |
| *E. coli* BL21 (DE3) CodonPlus | F- ompT gal dcm lon hsdSB(rB- mB-) λ(DE3) pLysS(cmR) | Protein expression strain | Novagen |