**Supplementary File 5: Plasmids used in this study.**

|  |  |  |
| --- | --- | --- |
| Plasmid | Relevant features | Reference |
| pETDuet-1 | Co-expression vector with *lacI*, T7 promoter, N-terminal His6 tag in MCS-1, AmpR | Novagen |
| pRSETA | Expression vector with *lacI*, T7 promoter, N-terminal His6 tag and a HRV 3C protease cleavage site, AmpR | Life Technologies |
| pET29b | Expression vector with *lacI*, T7 promoter, C-terminal His6 tag, KanR | (Rietsch et al., 2005) |
| pEXG2 | Allelic replacement vector containing *sacB*, GmR | (Baynham et al., 2006) |
| pSW196 | MiniCTX1 plasmid, TetR | (Mougous et al., 2006) |
| pSCrhaB2-CV | Expression vector with *PrhaB*, TmpR | (Cardona and Valvano, 2005) |
| pPSV39-CV | Expression vector with *lacI*, *lacUV5* promoter, C-terminal VSV-G tag, GmR | This study |
| pSW196::*lacZ* | *lacZ* in miniCTX1 plasmid | This study |
| pETDuet-1::His6-ECL\_01567-FLAG ::ECL\_01568 | Co-expression vector for N-terminal His6 and C-terminal FLAG tagged RhsA and RhsI from *E. cloacae* | This study |
| pETDuet-1::His6-SF0266-FLAG | Expression vector for class I prePAAR effector SF0266 from *S. flexneri* | This study |
| pETDuet-1::His6-SL1344\_0286-FLAG :: SL1344\_0286a | Co-expression vector for N-terminal His6 and C-terminal FLAG tagged Rhs1 and untagged RhsI from *S.* Typhimurium | This study |
| pETDuet-1::His6-PA0093-FLAG ::PA0092 | Co-expression vector for N-terminal His6 and C-terminal FLAG tagged Tse6 and Tsi6 from *P. aeruginosa* | This study |
| pETDuet-1::His6-Spro\_3017\_FLAG::Spro\_3018 | Co-expression vector for N-terminal His6 and C-terminal FLAG tagged Tre1 and Tri1 from *S. proteamaculans* | This study |
| pETDuet-1::His6-PFL\_6096::PFL\_6097 | Co-expression vector for N-terminal His6- tagged RhsA and RhsI from *P. protegens* | This study |
| pETDuet-1::His6-PFL\_6096\_∆2-74::PFL\_6097 | Co-expression vector for N-terminal His6-tagged RhsA∆NT and RhsI from *P. protegens* | This study |
| pETDuet-1::PA0093\_1-61-His6::PA0094-VSV-G | Co-expression vector for C-terminal His6 tagged Tse6 TMD1 and C-terminal VSV-G tagged EagT6 | This study |
| pETDuet-1:: SL1344\_0286\_1-59-His6:: SL1344\_0285-VSV-G | Co-expression vector for C-terminal His6 tagged Rhs1 TMD1 and C-terminal VSV-G tagged SciW | (Vance et al., 2005) |
| pETDuet-1::His6-PFL\_6209::PFL\_6210 | Co-expression vector for N-terminal His6-tagged Tne2 and Tni2 from *P. protegens* | This study |
| pETDuet-1::His6- SL1344\_0286\_∆1-59-FLAG :: SL1344\_0286a | Co-expression vector for N-terminal His6 and C-terminal FLAG tagged Rhs1∆NT and RhsI from *S.* Typhimurium | This study |
| pETDuet-1::His6-PA0093::PA0092 | Co-expression vector for N-terminal His6-tagged Tse6 and Tsi6 from *P. aeruginosa*  | This study |
| pETDuet-1::His6-PA0093\_D11A::PA0092 | Co-expression vector for N-terminal His6-tagged Tse6D11A and Tsi6 from *P. aeruginosa*  | (Quentin et al., 2018) |
| pETDuet-1::His6-PA0093\_H15A::PA0092 | Co-expression vector for N-terminal His6-tagged Tse6H15A and Tsi6 from *P. aeruginosa*  | This study |
| pETDuet-1::His6-PA0093\_D11A\_H15A::PA0092 | Co-expression vector for N-terminal His6-tagged Tse6D11A, H15A and Tsi6 from *P. aeruginosa*  | This study |
| pETDuet-1::FLAG-PA0091 | Expression vector for N-terminal FLAG tagged VgrG1 from *P. aeruginosa* | This study |
| pETDuet-1::PFL\_6096\_1-74-VSV-G::PFL\_6095-His6 | Expression vector for C-terminal VSV-G tagged RhsANT and N-terminal His6-tagged EagR1 | This study |
| pRSETA::SL1344\_0285 | Expression vector for SciW (for crystallization) | This study |
| pET29b::ECL\_01566-VSV-G | Expression vector for C-terminal VSV-G tagged EagRA from *E. cloacae* | This study |
| pET29b::SF0260a-VSV-G | Expression vector for C-terminal VSV-G tagged SF0260a (Eag) from *S. flexneri* | This study |
| pET29b:: SL1344\_0285-VSV-G | Expression vector for C-terminal VSV-G tagged SciW from *S.* Typhimurium | (Quentin et al., 2018) |
| pET29b::PA0094-VSV-G | Expression vector for C-terminal VSV-G tagged EagT6 from *P. aeruginosa* | This study |
| pET29b::Spro\_3016-VSV-G | Expression vector for C-terminal VSV-G tagged EagT6 from *S. proteamaculans* | This study |
| pET29b::PFL\_6095-VSV-G | Expression vector for C-terminal VSV-G tagged EagR1 from *P. protegens* | This study |
| pET29b::PFL\_6099-VSV-G | Expression vector for C-terminal VSV-G tagged EagT2 from *P. protegens* | This study |
| pET29b::FLAG-PFL\_6094 | Expression vector for N-terminal FLAG tagged VgrG1 from *P. protegens* | This study |
| pET29b::PA0093\_75-162-FLAG | Expression vector for C-terminal FLAG tagged PAAR domain of Tse6 | This study |
| pEXG2::DPFL\_6095 | *eagR1* deletion construct | This study |
| pEXG2::DPFL\_6099 | *eagT2* deletion construct | This study |
| pEXG2::DPFL\_6209 | *tne2* deletion construct | This study |
| pEXG2::DPFL\_6096 | *rhsA* deletion construct | This study |
| pEXG2::DPFL\_6079 | *pppA* deletion construct | This study |
| pEXG2::DPFL\_6096 DPFL\_6097 | *rhsA*-*rhsI* effector-immunity pair deletion construct | This study |
| pEXG2::DPFL\_6209 DPFL\_6210 | *tne2*-*tni2* effector-immunity pair deletion construct | This study |
| pEXG2::DPFL\_6094 | *vgrG1* deletion construct | This study |
| pEXG2::His10-PFL\_6096 | N-terminal His10-*rhsA* fusion construct | This study |
| pEXG2::His10-PFL\_6096\* | N-terminal His10-*rhsA* fusion construct compatible with a strain lacking *eagR1* | This study |
| pEXG2::FLAG-PFL\_6094 | N-terminal FLAG-*vgrG*1 fusion construct | This study |
| pEXG2::His10-PFL\_6209 | N-terminal His10-*tne2* fusion construct | This study |
| pEXG2::PFL\_6209-VSV-G | VSV-G | This study |
| pEXG2::PFL\_6096\_∆2-74 | RhsA NT deletion construct | This study |
| pEXG2::His10-PFL\_6096\_∆2-74 | RhsA NT deletion construct compatible in a strain with an N-terminal His10-*rhsA* fusion | This study |
| pEXG2::His10-PFL\_6096\_∆2-74\* | RhsA NT deletion construct compatible in a strain with an N-terminal His10-*rhsA* fusion and lacking *eagR1* | This study |
| pEXG2::PA0093\_D11A | Allelic exchange plasmid used to generate *tse6*D11A in *P. aeruginosa* | This study |
| pEXG2::PA0093\_H15A | Allelic exchange construct used to generate the *tse6*H15A point mutation in *P. aeruginosa* | This study |
| pEXG2::PA0093\_D11A\_H15A | Allelic exchange plasmid used to generate *tse6*D11,H15A in *P. aeruginosa* | This study |
| pEXG2::PA0093\_∆16-61, ∆180-222 | Allelic exchange plasmid used to generate *tse6*∆16-60,∆180-222 in *P. aeruginosa* | This study |
| pSCrhaB2-V::PFL\_6096\_D1404A | Expression vector for RhsAD1404A | This study |
| pSCrhaB2-V::PFL\_6096\_∆2-74\_D1404A | Expression vector for RhsA∆NTD1404A | This study |