**Table S1.** Strains and plasmids used in this study

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| **Strain/ Plasmid** | **Descriptiona** |
| *E. coli* Top10 | Competent strain |
| *P. stewartii* DC283 | Wild-type strain, Nalr |
| p-GEM-T | Cloning vector, Ampr |
| p-GEM-T+ CKS\_3263 | CKS\_3263 coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ CKS\_3793 | CKS\_3793 coding region for cloning inserted into p-GEM-T vector (Kernell Burke et al., 2015) |
| p-GEM-T+ *rmf* | *rmf* coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ *bfr* | *bfr* coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ CKS\_3570 | CKS\_3570 coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ *aceB* | *aceB* coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ *yeaG* | *yeaG* coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ CKS\_2505 | CKS\_2505 coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ *hupA* | *hupA* coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ CKS\_4537 | CKS\_4537 coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ *recF* | *recF* coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ *atpD* | *atpD* coding region for cloning inserted into p-GEM-T vector |
| p-GEM-T+ *gyrB* | *gyrB* coding region for cloning inserted into p-GEM-T vector |

**a**Nalr = nalidixic acid resistance, Ampr = ampicillin resistance