**S3 Table.** Construction of plamids pLP170\_*gacA* and pLP170\_*vfr*

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| The promoter region of gacA was amplified from the P. aeruginosa PAO1 genome by double PCR with oligonucleotides 5′-GGCTGAGGAATACCCTCGTTCG-3′, 5′- AATTGGCTGAGGAATACCCTCGTTCG-3′ and 5′- CAGACAGTCTTCACCGCAGTCG-3′. The PCR product containing cohesive restriction site of *Eco*RI was cloned into pLP170 to construct pLP170\_*gacA*. |
| The promoter region of vfr was amplified from the P. aeruginosa PAO1 genome by double PCR with oligonucleotides 5′-AGTACGGGATCACAGTCCTGATAGC-3′, 5′-AATTAGTACGGGATCACAGTCCTGATAGC-3′, and 5′-GGAACTTCGCATAGCTGATCTCG-3′. The PCR product containing cohesive restriction site of *Eco*RI was cloned into pLP170 to construct pLP170\_*vfr*. |