

**Table S3. Strains and plasmids used in this study.**

Strain or Plasmid	Description	Source /Reference
<b><i>D. shibae</i> strains</b>		
DFL-12	Wild-type	Biebl et al., 2005
$\Delta luxI_1$	$\Delta luxI_1:: Gm^r$	Patzelt et al., 2013
$\Delta ctrA$	$\Delta ctrA:: Gm^r$	This study
$\Delta ctrA$ pHW1	$\Delta ctrA:: Gm^r, Ka^r$	This study
$\Delta cckA$	$\Delta cckA:: Gm^r$	This study
$\Delta cckA$ pHW2	$\Delta cckA:: Gm^r, Ka^r$	This study
$\Delta chpT$	$\Delta chpT:: Gm^r$	This study
$\Delta chpT$ pHW3	$\Delta chpT:: Gm^r, Ka^r$	This study
<b><i>E. coli</i> strains</b>		
DH5 $\alpha$	endA1 hsdR1 [r <sub>K</sub> -m <sub>K</sub> <sup>+</sup> ] <i>glnV44 thi-1recA1 gyrA relA</i> $\Delta$ [ <i>lacZYA-argF</i> ] <i>U169 deoR</i> [ $\phi$ 80 <i>dlac</i> $\Delta$ [ <i>lacZ</i> ]M15]	Herrero et al., 1990
ST18	S17 $\lambda$ pir $\Delta$ <i>hema</i>	Thoma and Schobert, 2009
<b><i>P. putida</i> Strain</b>		
F117 (pKR-C12)	AHL biosensor strain	Riedel et al., 2001
<b>Plasmids</b>		
pEX18Ap	Ap <sup>r</sup> ; oriT <sup>+</sup> , sacB <sup>+</sup> , <i>lacZ</i> , suicide vector	Hoang et al., 1998
pBBR1MCS-2	Ka <sup>r</sup> ; <i>lacZ</i> P <sub>lac</sub> P <sub>T7</sub> rep	Kovach et al., 1995
pBBR1MCS-5	Gm <sup>r</sup> ; <i>lacZ</i> P <sub>lac</sub> P <sub>T7</sub> rep	Kovach et al., 1995
pHW1	Ka <sup>r</sup> ; pBBR1MCS-2- <i>ctrA</i>	This study
pHW2	Ka <sup>r</sup> ; pBBR1MCS-2- <i>cckA</i>	This study
pHW3	Ka <sup>r</sup> ; pBBR1MCS-2- <i>chpT</i>	This study

**References**

- Biebl H, Allgaier M, Tindall BJ, Koblizek M, Lünsdorf H, Pukall R, Wagner-Döbler I (2005) *Dinoroseobacter shibae* gen. nov., sp. nov., a new aerobic phototrophic bacterium isolated from dinoflagellates. Int J Syst Evol Microbiol 55: 1089-1096.
- Herrero M, de L, V, Timmis, KN. (1990). Transposon Vectors Containing Non-Antibiotic Resistance Selection Markers for Cloning and Stable Chromosomal Insertion of Foreign Genes in Gram-Negative Bacteria. J Bacteriol 172(11):6557-67.
- Hoang TT, Karkhoff-Schweizer RR, Kutchma AJ, Schweizer HP (1998) A broad-host-range Flp-FRT recombination system for site-specific excision of chromosomally-located DNA sequences: application for isolation of unmarked *Pseudomonas aeruginosa* mutants. Gene 212: 77-86.
- Kovach ME, Elzer PH, Hill DS, Robertson GT, Farris MA, Roop RM, Peterson KM (1995) Four new derivatives of the broad-host-range cloning vector pBBR1MCS, carrying different antibiotic-resistance cassettes. Gene 166: 175-176.

Riedel K, Hentzer, M, Geisenberger, O, Huber, B, Steidle, A, Wu, H et al. (2001). N-Acylhomoserine-Lactone-Mediated Communication Between *Pseudomonas Aeruginosa* and *Burkholderia Cepacia* in Mixed Biofilms. *Microbiology* 147(Pt 12):3249-62.

Thoma S, Schobert M (2009) An improved *Escherichia coli* donor strain for diparental mating. *FEMS Microbiol Lett* 294: 127-132.