

Supplementary Table S1. The used bacteria and plasmids

Bacterium and plasmid	Genotype, property or sequence	Source or reference
Bacterial strains		
<i>E. coli</i> BL21 (DE3)	F ⁻ ompT hsdS _B (r _B ⁻ m _B ⁻) gal (λ1857 ind1 Sam7 nin5 lacUV5 T7gene1) dcm	Novagen
Ec (Cp <i>pdo2</i> -C <i>psqr</i>)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-2::C <i>pdo2</i> -C <i>psqr</i>	(Xin et al 2016)
Ec (C <i>pdo2</i>)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-2::C <i>pdo2</i>	This study
Ec (C <i>psqr</i>)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-2::C <i>psqr</i>	This study
Ec(P <i>apdo</i> -P <i>asqr</i> ₂)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5::P <i>apdo</i> -P <i>asqr</i> ₂	This study
Ec(Z <i>pdo</i> -P <i>asqr</i> ₂)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5::Z <i>pdo</i> -P <i>asqr</i> ₂	This study
Ec(S <i>apdo</i> -P <i>asqr</i> ₂)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5::S <i>apdo</i> -P <i>asqr</i> ₂	This study
Ec(B <i>cpdo</i> -P <i>asqr</i> ₂)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5::B <i>cpdo</i> -P <i>asqr</i> ₂	This study
Ec(Z <i>pdo</i>)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5::Z <i>pdo</i>	This study
Ec(S <i>apdo</i>)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5::S <i>apdo</i>	This study
Ec(B <i>cpdo</i>)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5::B <i>cpdo</i>	This study
Ec(P <i>asqr</i> ₂)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5::P <i>asqr</i> ₂	This study
Ec(pMCS5)	<i>E. coli</i> BL21(DE3)/pBBR1MCS-5	This study
<i>E. coli</i> HB101/pRK2013	For vector mobilization	(Zhang et al 2013)
<i>Corynebacterium vitaeruminis</i> DSM20294	Wild type, Cv as abbreviation	DSMZ
<i>Cupriavidus pinatubonensis</i> JMP134	Wild type, Cp as abbreviation	ATCC 23344
<i>C. pinatubonensis</i> 2K	The <i>pdo2</i> and <i>sqr</i> mutant of <i>C. pinatubonensis</i> JMP134	This study
<i>Pseudomonas aeruginosa</i> PAO1	Wild type, Pa as abbreviation	ATCC 15692
<i>P. aeruginosa</i> 3K	The <i>pdo1</i> , <i>pdo2</i> and <i>sqr</i> mutant of <i>P. aeruginosa</i> PAO1	This study
<i>Agrobacterium tumefaciens</i> C58	Wild type, At as abbreviation	ATCC 33970
<i>Bacillus cereus</i> ATCC 10876	Wild type	ATCC 10876
<i>Bacillus subtilis</i> 168	Wild type, Bs as abbreviatoin	ATCC 23857

<i>Burkholderia cepacia</i> ATCC 25416	Wild type	ATCC 25416
<i>Corynebacterium glutamicum</i> RES167	Wild type	(Tauch et al 2002)
<i>Enterobacter cloacae</i>	Wild type	Yuzhen Zhang
<i>Enterococcus faecalis</i> CMCC32223	Wild type	ATCC 29212
<i>Gluconobacter oxydans</i> 621H	Wild type	DSM 2343
<i>Klebsiella pneumonia</i>	Wild type, Kp as abbreviation	Yuzhen Zhang
<i>Pseudomonas putida</i> S16	Wild type	ATCC BAA2546
<i>Serratiamar cescens</i> ATCC13880	Wild type	ATCC 13880
<i>Sinorhizobium meliloti</i> 1021	Wild type	(Galibert et al 2001)
<i>Sphingobium chlorophenicum</i> L-1	Wild type	ATCC 53874
<i>Serratia fonticola</i> DSM 4576	Wild type, Sf as abbreviation	DSMZ
<i>Staphylococcus aureus</i> ATCC 6538P	Wild type	ATCC 6538P
<i>Staphylococcus sciuri</i>	Wild type	Yuzhen Zhang
<i>Streptomyces coelicolor</i> M145	Wild type	ATCC BAA471
<i>Streptomyces griseus</i>	Wild type	Yuzhen Zhang
<i>Zunongwangia profunda</i> SM-A87	Wild type	DSM 18752
<i>Zymomonas mobilis</i> ATCC 31821	Wild type	ATCC 31821
Plasmids		
pBBR1MCS-5	Gm ^r , Plac	(Kovach et al 1995)
pBBR1MCS-2::Cp _{ppdo2} -Cp _{sqr}	Cp _{ppdo2} and Cp _{sqr} in pBBR1MCS-2	(Xin et al 2016)
pBBR1MCS-2::Cp _{ppdo2}	Cp _{ppdo2} in pBBR1MCS-2, modified from pBBR1MCS-2::Cp _{ppdo2} -Cp _{sqr}	This study
pBBR1MCS-2::Cp _{sqr}	Cp _{sqr} in pBBR1MCS-2, modified from pBBR1MCS-2::Cp _{ppdo2} -Cp _{sqr}	This study
pBBR1MCS-5-Pap _{do} -Pas _{qr2} .	Pap _{do} and Pas _{qr2} in pBBR1MCS-5, control by IPTG induced lac promoter	This study
pBBR1MCS-5-Zp _{ppdo} -Pas _{qr}	Zp _{ppdo} and Pas _{qr2} in pBBR1MCS-5, control by IPTG induced lac promoter	This study
pBBR1MCS-5-Sap _{do} -Pas _{qr}	Sap _{do} and Pas _{qr2} in pBBR1MCS-5, control by IPTG induced lac promoter	This study
pBBR1MCS-5-Bcp _{do} -Pas _{qr}	Bcp _{do} and Pas _{qr2} in pBBR1MCS-5, control by IPTG induced lac promoter	This study

pBBR1MCS-5::Zppdo	Zppdo in pBBR1MCS-5, modified from pBBR1MCS-5::Zppdo-Pasqr2	This study
pBBR1MCS-5::Sapdo	Sapdo in pBBR1MCS-5, modified from pBBR1MCS-5::Sapdo-Pasqr2	This study
pBBR1MCS-5::Bcpdo	Bcpdo in pBBR1MCS-5, modified from pBBR1MCS-5::Bcpdo-Pasqr2	This study
pBBR1MCS-5::Pasqr ₂	Pasqr2 in pBBR1MCS-5, modified from pBBR1MCS-5::Zppdo-Pasqr2	This study

Reference

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