

Table 1S. Strains and plasmids used in this study.

Strain/Plasmid	Genotype	Reference
<i>E. coli</i>		
DH5 α	<i>supE44 ΔlacU169(Φ80 <i>lacZ</i>ΔM15) <i>hsdR17 RecA1 endA1 gyrA96 thi-1 relA1</i></i>	Invitrogen
<i>B. subtilis</i>		
CU1065	W168 <i>attSPβ trpC2</i>	-
HB8112	CU1065 <i>copA::cm</i>	(Gaballa and Helmann, 2003)
HB8113	CU1065 <i>cadA::spc</i>	(Gaballa and Helmann, 2003)
HB8228	CU1065 <i>czrA::kan</i>	This study
HB8179	CU1065 <i>czcD::spc</i>	This study
HB8227	CU1065 <i>aseR::spc</i>	This study
HB5001	CU1065 <i>arsR-C::tet</i>	This study
HB5002	CU1065 <i>copZA::kan</i>	This study
HB5004	CU1065 <i>aseA::cm</i>	This study
HB5021	CU1065 <i>czcD::spc; cadA::kan</i>	This study
HB5005	CU1065 <i>arsR-C::tet; cadA::spc</i>	This study
HB5006	CU1065 <i>arsR-C::tet; czcD::spc</i>	This study
HB5007	CU1065 <i>arsR-C::tet; aseA::cm</i>	This study
HB5008	CU1065 <i>copZA::kan; czcD::spc</i>	This study
HB5009	CU1065 <i>copZA::kan; cadA::spc</i>	This study
HB5010	CU1065 <i>copZA::kan; arsR-C::tet</i>	This study
HB5015	CU1065 <i>amyE::arsR-lacZ</i>	This study
HB5016	CU1065 <i>amyE::czcD-lacZ</i>	This study
HB5017	CU1065 <i>amyE::copZ-lacZ</i>	This study
HB5018	CU1065 <i>amyE::aseR-lacZ</i>	This study
HB5019	CU1065 <i>czrA::kan; amyE::czcD-lacZ</i>	This study
HB5020	CU1065 <i>aseR::spc; amyE::aseR-lacZ</i>	This study
HB5026	CU1065 <i>arsR-C::tet; amyE::aseR-lacZ</i>	This study
HB5027	CU1065 <i>aseR::spc; amyE::arsR-lacZ</i>	This study
Plasmids		
pDG1661	Ectopic integration vector; <i>lacZ</i> reporter	(Guerout-Fleury <i>et al.</i> , 1996)
pCM006	pDG1661 <i>amyE::arsR-lacZ</i>	This study
pCM007	pDG1661 <i>amyE::czcD-lacZ</i>	This study
pCM008	pDG1661 <i>amyE::copZ-lacZ</i>	This study
pCM009	pDG1661 <i>amyE::aseR-lacZ</i>	This study

Gaballa, A., and Helmann, J.D. (2003) Bacillus subtilis CPx-type ATPases: characterization of Cd, Zn, Co and Cu efflux systems. *Biometals* **16**: 497-505.

Guerout-Fleury, A.M., Frandsen, N., and Stragier, P. (1996) Plasmids for ectopic integration in Bacillus subtilis. *Gene* **180**: 57-61.