

Supplementary Material

**The small RNA RyhB is a regulator of cytochrome expression in
*Shewanella oneidensis***

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Supplementary Table 1. Bacterial strains and plasmids

Strain or plasmid	Description	Source
<i>Escherichia coli</i>		
DH5α	F ⁻ Φ80lacZΔM15 endA1 recA1 hsdR17 supE44-thi-1 gyrA96 relA1 (lacZYA-argF)U169l	Lab collection
DH5αλpir	F ⁻ φ80lacZΔM15 endA1 recA1 hsdR17 supE44-thi-1 gyrA96 relA1 (lacZYA-argF)U169l λpir lysogen	A. Charbit
WM3064	thrB1004 pro thi rpsL hsdS lacZΔM15 RP-4-1360 Δ(araBAD)567 ΔdapA1341::[erm pir(wt)]	S.B. Reed
MG1655	K-12 wild-type strain	V. Sentchilo
<i>Shewanella oneidensis</i>		
MR-1	wild-type	Lab collection
MR-1Δfur	MR-1 with markerless deletion of fur	This study
MR-1ΔryhB	MR-1 with markerless deletion of ryhB	This study
MR-1ΔfurΔryhB	MR-1 with markerless deletions of fur and ryhB	This study
MR-1Δhfq	MR-1 with markerless deletion of hfq	This study
BG148	MR-1 with transposon insertion in ccmC	(Bouhenni et al., 2005)
Plasmids		
pMQ150	Yeast recombineering vector (sacB oriT R6K nptII rpsL ura3 cen6)	(Shanks et al., 2009)
pMQS	Mobilizable suicide vector, Km ^r (sacB oriT R6K nptII cen6)	This study

pMQSΔfur	pMQS with regions flanking <i>fur</i>	This study
pMQSΔryhB	pMQS with regions flanking <i>ryhB</i>	This study
pMQSΔhfq	pMQS with regions flanking <i>hfq</i>	This study
pHGE-P _{tac}	Broad-host expression vector with P _{tac} promoter, Km ^r	(Luo et al., 2013)
pHGE-P _{tac-fur}	pHGE-P _{tac} containing <i>S. oneidensis fur</i> gene	This study
pBAD-fccA-His	Expression vector with <i>S. oneidensis fccA</i> gene under control of P _{BAD} promoter, Km ^r	(Schuetz et al., 2009)
pET28b(+)	Expression vector, Km ^r	Lab collection
pKM033	Vector with artificial P _{Laco-1} promoter and <i>E. coli lacI</i> gene, Km ^r	This study
pKM033-ryhB	pKM033 containing <i>S. oneidensis ryhB</i> gene	This study
pME6031	Broad-host plasmid, Tc ^r	(Heeb et al., 2000)
pKM002	pME6031 with promoter-less and N-terminal truncated <i>lacZ</i> gene	This study
pKM202	pKM002 with inactivated KpnI site	This study
pKM232	pKM202 with artificial P _{Laco-1} promoter	This study
pKM232-5'UTR-htpG	pKM232 with 5'UTR and first 15 codons of <i>htpG</i>	This study
pKM232-5'UTR-SO_0827	pKM232 with 5'UTR and first 24 codons of <i>SO_0827</i>	This study
pKM232-5'UTR-cctA	pKM232 with 5'UTR and first 26 codons of <i>cctA</i>	This study
pKM232-5'UTR-scyA-14	pKM232 with 5'UTR and first 14 codons of <i>scyA</i>	This study
pKM232-5'UTR-scyA-25	pKM232 with 5'UTR and first 25 codons of <i>scyA</i>	This study

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