

**Table S1 *E. coli* or *R. sphaeroides* strains**

<b>Strain</b>	<b>Relevant properties</b>	<b>Source or Reference</b>
<i>E. coli</i>		
BL21(DE3)	<i>E. coli</i> expressing T7 RNAP for pET vector expression	Novagen
RLG5950	<i>E. coli</i> VH1000 <i>rrnB</i> P1 (-61 to +1)- <i>lacZ</i> fusion	(19)
RLG7238	<i>E. coli</i> VH1000 <i>rrnB</i> P1 (-61 to +1)- <i>lacZ</i> fusion, $\Delta dksA$ ,	(19)
RLG10349	BL21DE3 pET33 His6-HMK RSP2654	This work
RLG7075	BL21DE3 <i>dksA</i> ::Tn10 pET33 <i>E. coli</i> His6-HMK DksA	(10)
RLG13055	<i>E. coli</i> M15pREP4 pHis6 $\sigma^{93}$	(30)
DH5 $\alpha$	Host for cloning and plasmid amplification	Bethesda Research Laboratories
S17-1	Plasmid donor for conjugation, C600::RP-4 2-(Tc::Mu) ( <i>Kn</i> ::Tn7) <i>thi pro hsdR recA Tra</i> <sup>+</sup>	(69)
<i>R. sphaeroides</i>		
2.4.1	Wild-type strain	Lab strain
$\Delta 2654$	2.4.1 $\Delta$ RSP2654	This study
$\Delta 0166$	2.4.1 $\Delta$ RSP0166	This study
2654-D80N	2.4.1 derivative encoding a D80N substitution in RSP2654	This study
2654-A82T	2.4.1 derivative encoding a A82T substitution in RSP2654	This study

## SUPPLEMENTAL REFERENCES

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