

SUPPLEMENT TO

Dimerisation induced formation of the active site and the identification of three metal sites in EAL-phosphodiesterases

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Table S1. Primers used in this study

Primer	Sequence (5' → 3')
<i>mucR</i> deletion	
PA1727-up-F	ATGCCCCGGGCCATCCTGGCGTCCTACAC
PA1727-up-R	ATGCGAATTCAGCCACAGCGGGTTCG
PA1727-dn-F	ATGCAAGCTTGCTGGAGCCCAGCC
PA1727-dn-R	ATGCCCCGGGTCAGGCGACGCTGGC
<i>pa3825</i> deletion	
PA3825-up-F	ATGCCCCGGGATTCCGGTGAAGCGAGC
PA3825-up-R	ATGCGAATTCATCAGCAAGAGGGCGTC
PA3825-dn-F	ATGCAAGCTTAATTGCATGCCCTGGG
PA3825-dn-R	ATGCCCCGGGAAGTGCGACGACGGAAG
Gm cassette	
Gm-F	ATGCGAATTCGAATTGACATAAGCCTGTTCGG
Gm-R	ATGCAAGCTTGAATTGGCCGCGG

Table S2. Strains and plasmids used in this study

Strains or plasmid	Genotype or phenotypes ^a	Source or reference
<i>P.aeruginosa</i>		
PAO1	Wild-Type	(Holloway, 1969)
$\Delta MucR::PAO1$	<i>mucR::Gm</i>	This study
$\Delta PA3825::PAO1$	<i>pa3825::Gm</i>	This study
<i>E.coli</i>		
S17-1(λ pir)	TpR SmR recA, thi, pro, hsdR-M+RP4: 2-Tc:Mu: Km Tn7	Biomedal corp.
Plasmid		
pPS856	Ap ^R , Gm ^R ; 0.83-kb blunt-ended SmaI fragment from pUCGM	(Hoang <i>et al.</i> , 1998)
pEX100T	Ap ^R ; oriT ⁺ sacB ⁺ gene replacement vector	(Hoang <i>et al.</i> , 1998)

^a Ap^R, ampicillin resistance; sacB⁺, sucrose sensitive; Gm^R, gentamicin resistance

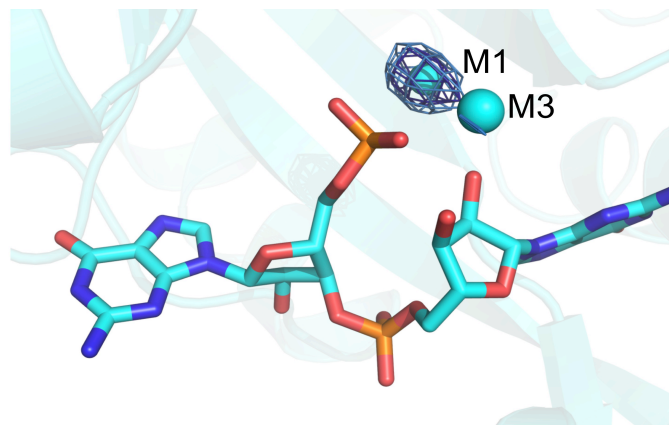


Fig. S1. Anomalous difference map of the PA3825^{EAL} pGpG/Mn²⁺ complex, displayed at 5.0 σ (dark blue) and 3.0 σ (light blue). Statistics displayed in Table 1.