SUPPORTING INFORMATION

Discovery of a cAMP Deaminase That Quenches Cyclic AMP-Dependent Regulation

Alissa M. Goble[†#], Youjun Feng[‡#], Frank M. Raushel[†] and John E. Cronan*[,‡,∥]

[†]Department of Chemistry, Texas A&M University, P.O. Box 30012, College Station, Texas 77843-3012, United States

[‡]Departments of Microbiology and [∥]Biochemistry, University of Illinois, Urbana, IL 60801, United States

#, these authors contributed equally to this work

Table S1. Oligonucleotides used in this work

Name	Oligonucleotides (5'-3')[a]
LIC10459-N	AGAGCATATGGCTTTAACTTTTCAAGAGATTTTAGATAGAATTC
LIC10459-C	AGAGAAGCTTTCTTAGACCGTATCTTGTTTTACGAG
LIC10791-N	AGAGCCATGGTGAAAGTAACCGAGTCCATGATTGAGAAATTAG
LIC10791-C	AGAGAAGCTTTCAAACATCCACCGTATATTTAAAAAGAGAATCTCG AAGGATTAAG
LIC10237-N	AGAGCCATGGTGTCCACAGGGATCTTCCAAATCGTTAATTTC
LIC10237-C	AGAGAAGCTTTTATACTCTTTTTTTGAGTTTGTTTTCCATCTGAGATT TTTTTC
LIC10268-N	AGAGCCATGGTGGATATGATGCTCGAATCCATGTTTTCTAAATTCGG
LIC10268-C	AGAGAAGCTTTTAAGAATTCGGTTTCCGTTTTTGTGCGACGATTCTC TG
LIC11484-N	AGAGCCATGGGGGAGATTAAAAACGAAATTCCAGATTGTTATCTTT GTCC
LIC11484-C	AGAGAAGCTTTTAGTGATTTAAGCCTGAAATTTCCTTCAAAGCGTCT ACG
fadD-CRP-site-F	GTAAAGATAAAAATA**AATAGTGACåGCGCTTCGCAACC**TTTTCGTT GGG
fadD-CRP-site-R	CCCAACGAAAA**GGTTGCGAAGCGCGTCACTATT**TATTTTATCTTT AC

[a]All but the last two oligonucleotides were used as PCR primers with -N and -C indicating-primers corresponding to the sequences encoding the N- and C-termini of the proteins, respectively. Introduced restriction site are underlined. The last two oligonucleotides were mixed and annealed to give the double-stranded *fadD* CRP binding site (in bold type).

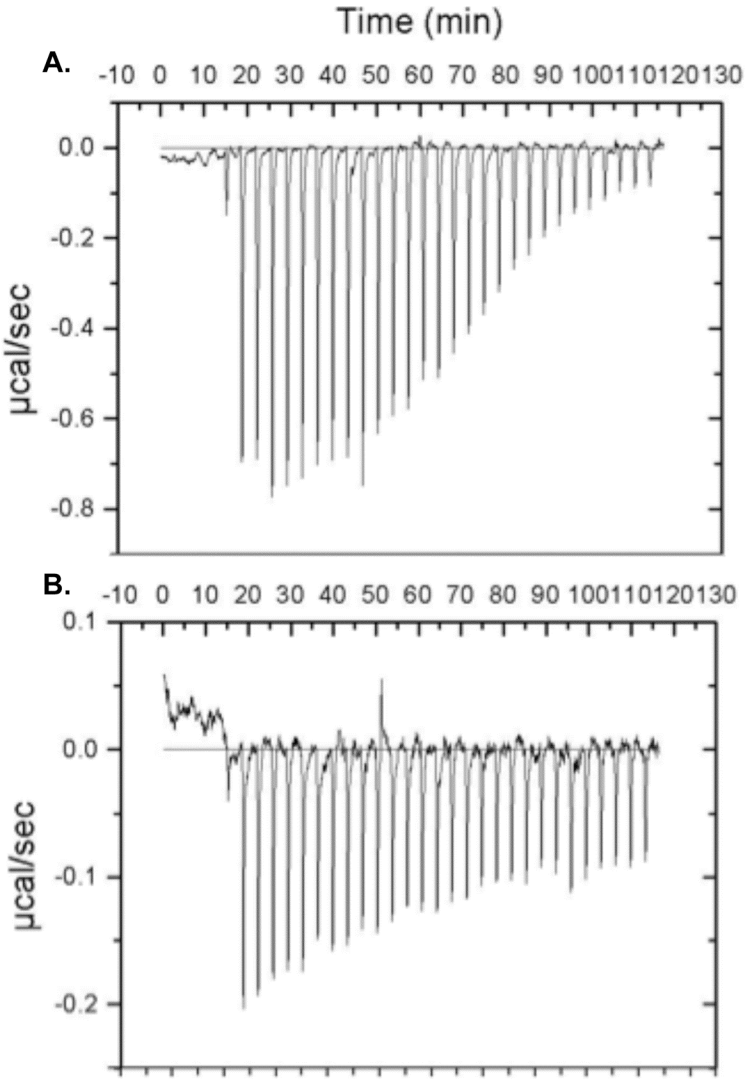

Figure S2. Isothermal titration calorimetry raw data. A) The protein encoded by LIC10791 titrated with cAMP or B) titrated with cIMP.