Table S1. Oligonucleotide primers used in this study

BAS2714U5'Bam	CACCGGATCCTTGATGGAAACAATATTTCGAATG
BAS2714U3'Sal	TGCGTCGACTTGACTGTTGTGTAATCGAAAGC
BAS2712D5'Sal	CACCGTCGACTGGCGAGATGGTTTTAAAGG
BAS2712D3'Pst	TGCCTGCAGTCCCATGCCTCTTCTTCTGT
BAS2714Seq	ATGAACGGTCTGTCATGCAA
BAS27145'Xba	CACCTCTAGATGAAATGGGTATGCGTATTTGT
BAS27123'Hind	TGCAAGCTTTTTGCACACCCCTTTATT
BAS2714Seq1	GCGATAAGAAATAGCTTTCGATT
BAS2714Seq2	AACATTGCAGCTGATTTGTCA
BAS2714Seq3	AGGGAAAGGGTGAGTATTTATGT
BAS2714Seq4	CGAGCGCTTGATAAAGAAGG
BAS2714Seq5	AAGCGTTAAAGGCGAATTGA
BAS2714Seq6	ATTAATTGCGGACGGTGCAT
BAS4675U5'Bam	CACCGGATCCTCTCGAGCCACATATGAATCC
BAS4675U3'Sal	TGCGTCGACTGCAAGCAGCAAATGTAAAAA
BAS4677D5'Sal	CACCGTCGACTGTGTTTGTTGAGGCATTTGA
BAS4677D5'Pst	TGCCTGCAGGAACGACAAATGTAGCGGAAG
BAS4675Seq	CTTCGTCTCGCATCAACAAA
AtxA5'promEco	TATAAGAATTCTATGTTAATATGCT
AtxA3'Bam	CAAATGGATCCAGGGCATTTATATTATC

Table S2. Activity of carbonic anhydrase inhibitors in *B. anthracis*.

Compound[a]	50% inhibitory concentration[b]	>90% inhibitory concentration[b]
Acetazolamide	180μM	N/S[c]
Ethoxyzolamide	350μM	N/S[c]
Hydrochlorothiazide	550μM	900μM
Topiramate	N/A[d]	N/A[d]

a) Sigma-Aldrich
b) Inhibition of *pagA-lacZ* expression relative to control. Cells were grown in R-media without added $NaHCO_3$ in the presence of 5%CO_2
c) Compounds not soluble at concentrations required to reach the indicated level of inhibition
d) No inhibition observed at highest concentrations tested