

Supplementary Information

**Chloramphenicol-borate/boronate Complex for Controlling Infections
by Chloramphenicol-Resistant Bacteria**

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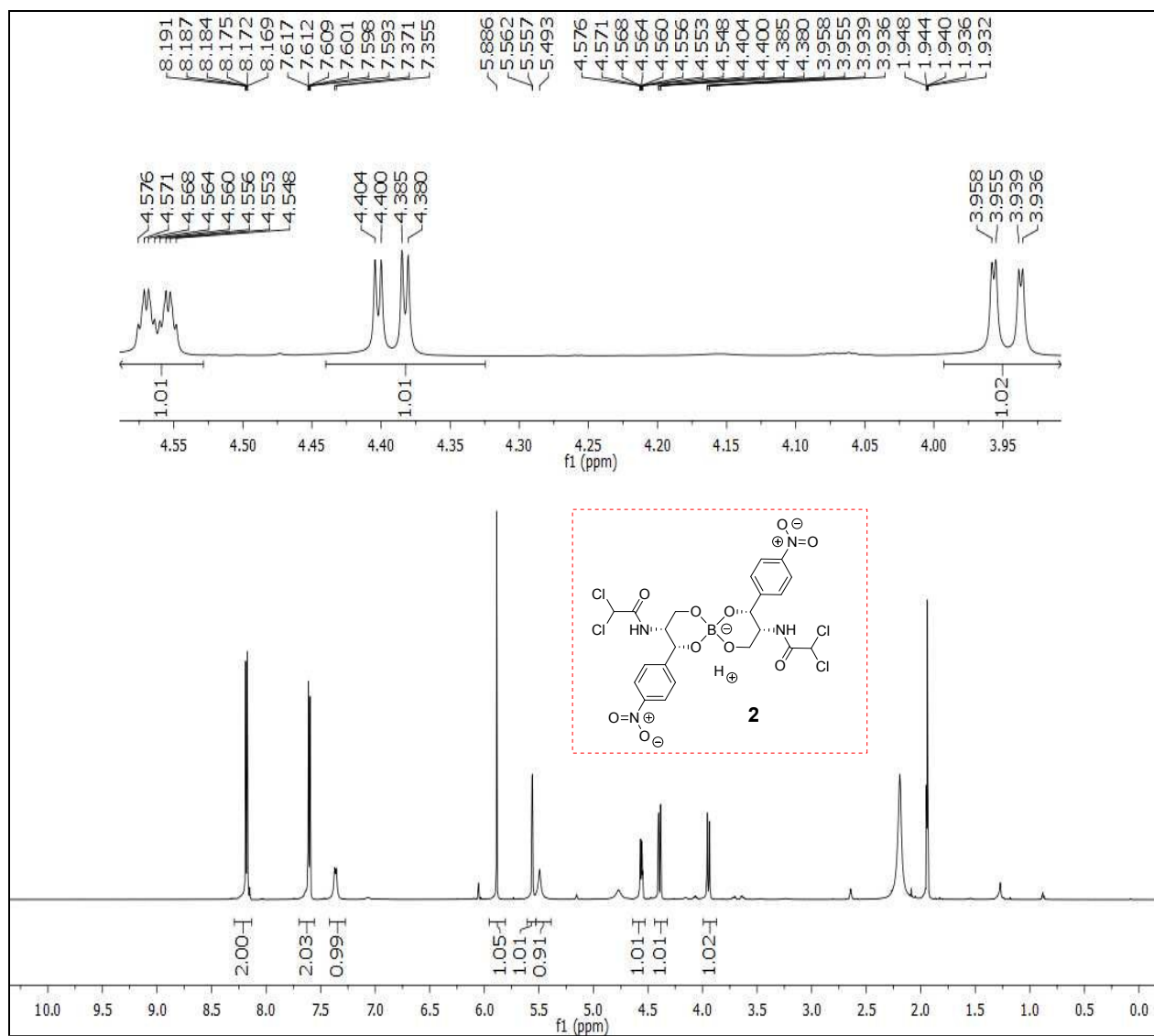


Figure S1. ^1H NMR spectrum of Chloramphenicol-borate ester (**2**) in CD_3CN , in 600 MHz.

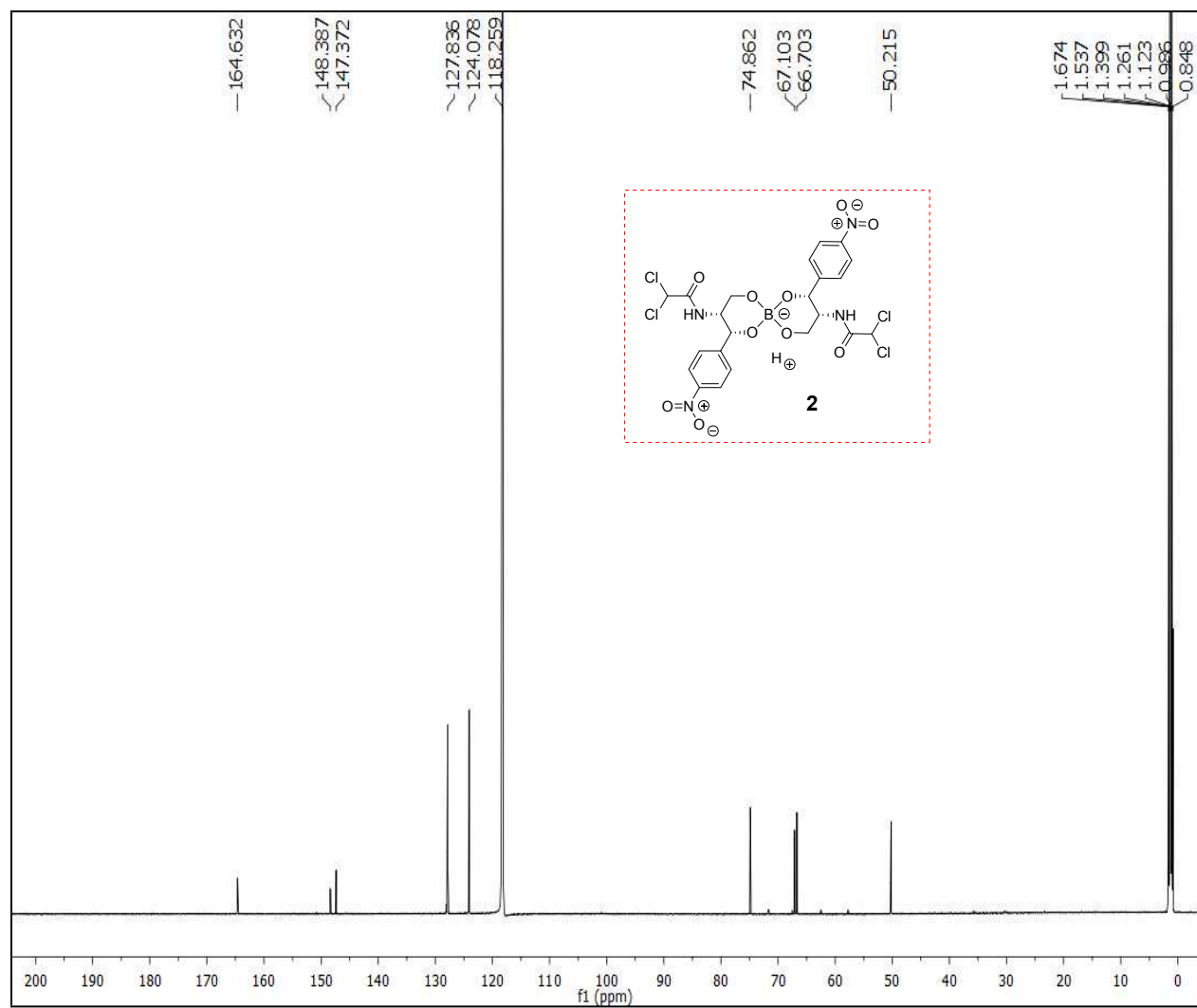


Figure S2. ^{13}C NMR spectrum of Chloramphenicol-borate ester (**2**) in CD_3CN , in 150 MHz.

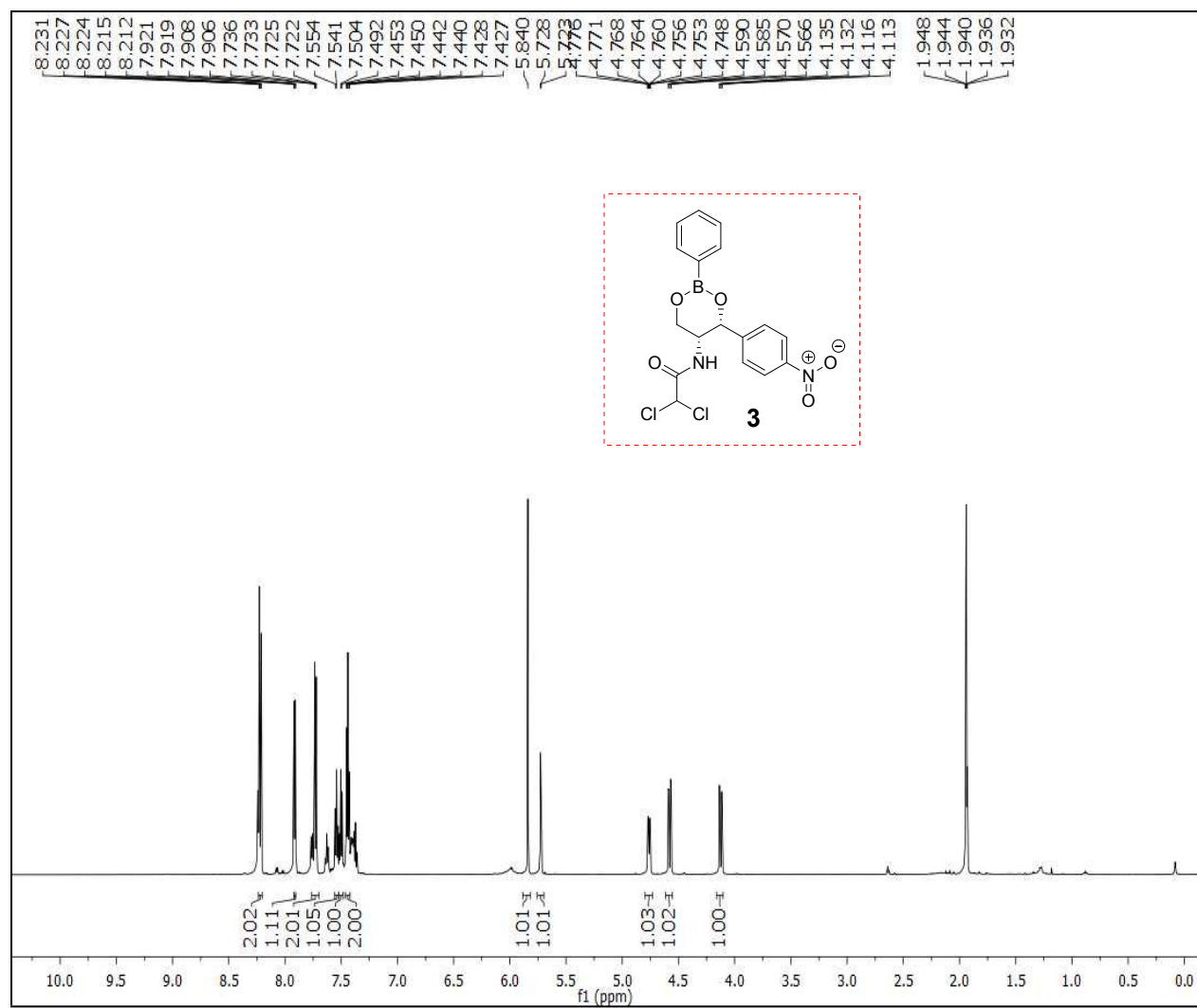


Figure S3. ¹H NMR spectrum of Chloramphenicol-phenyl boronate ester (**3**) in CD₃CN, in 600 MHz.

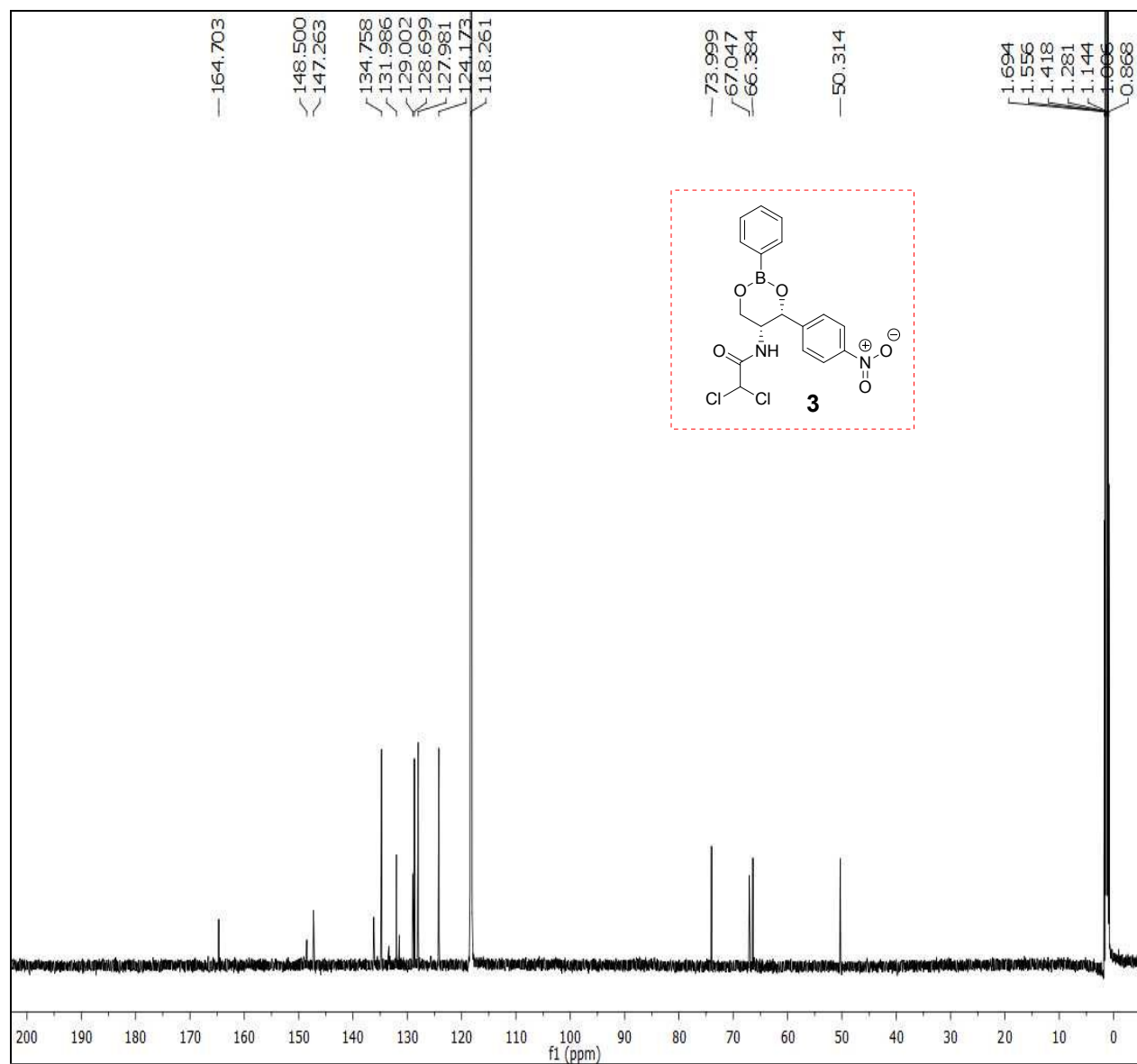


Figure S4. ^{13}C NMR spectrum of Chloramphenicol-phenyl boronate ester (**3**) in CD_3CN , in 150 MHz.

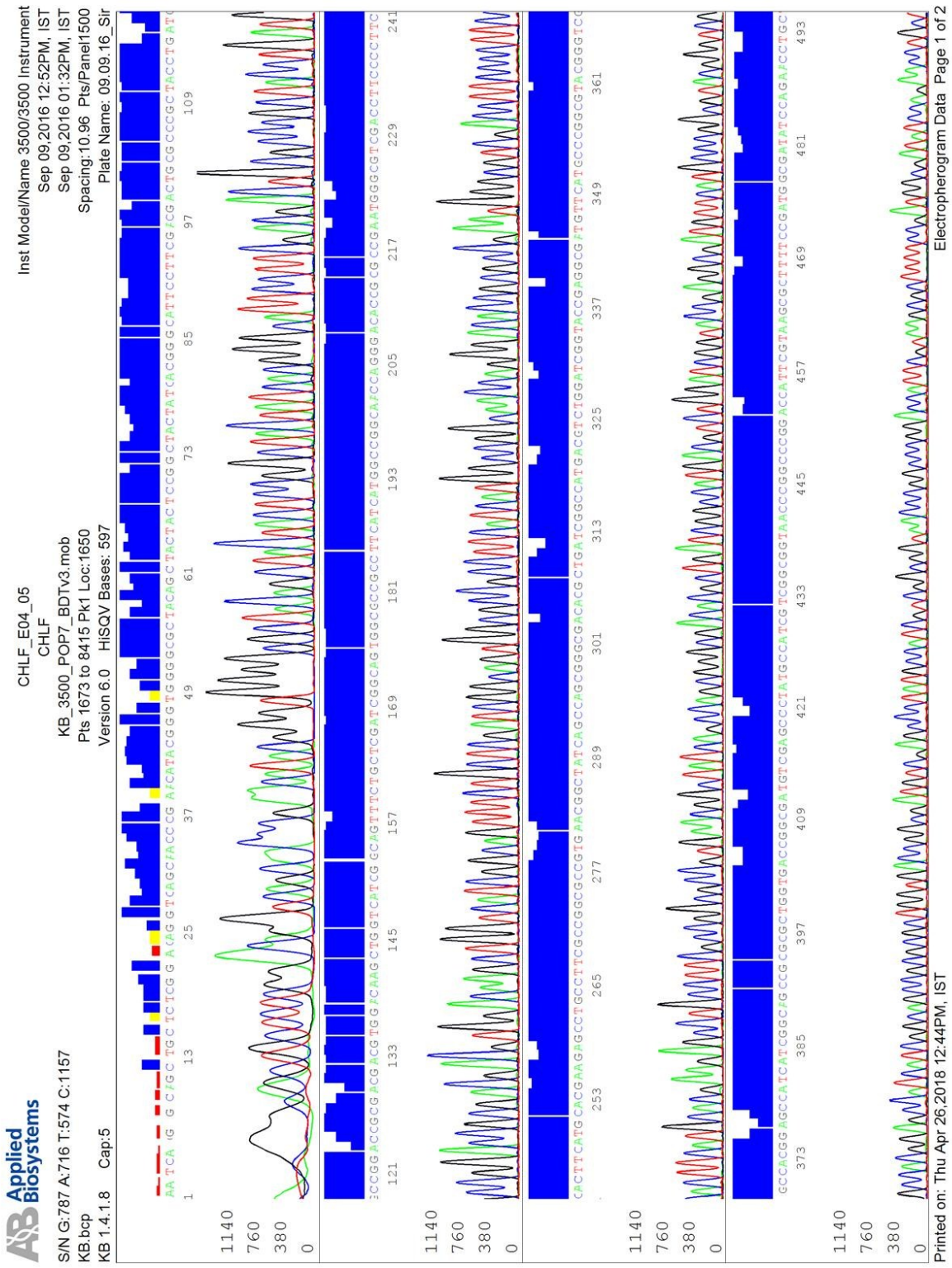


Figure S5. Forward primer based sequencing data of chloramphenicol acetyl transferase obtained from *P. aeruginosa* SS3.

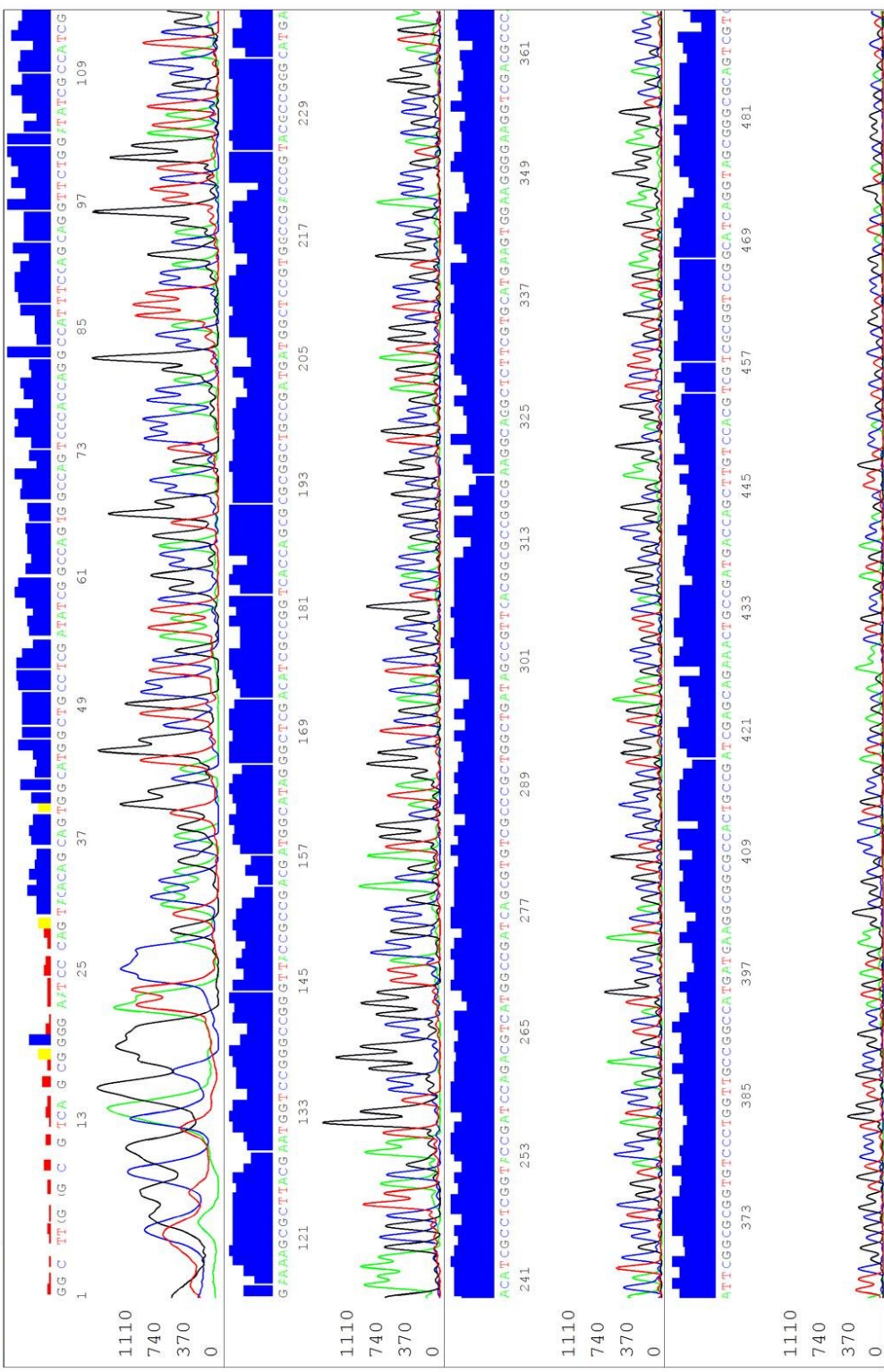


Figure S6. Reverse primer based sequencing data of chloramphenicol acetyl transferase obtained from *P. aeruginosa* SS3.

Contig result of obtained sequences from *Pseudomonas aeruginosa* strain SS3, Chloramphenicol acetyl transferase

ATGGGCAACTATTTTCGAGAGCCCATTTCAGGGGCAAGCTGCTCTCGGAACAGGTCAGCAACCCGAACAT
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 ACCTGATGCCGGACCGCGACGACGTGGACAAGCTGGTCATCGGCAGTTTCTGCTCGATCGGCAGTGGC
 GCCGCCTTCATCATGGCCGGCAACCAGGGACACCGCGCCGAATGGGCGTCGACCTTCCCCTTCCACTT
 CATGCACGAAGAGCCTGCCTTCGCCGGCGCCGTGAACGGCTATCAGCCAGCGGGCGACACGCTGATCG
 GCCATGACGTCTGGATCGGTACCGAGGGCGATGTTTCATGCCCGGCGTACGGGTTCGGCCACGGAGCCATC
 ATCGGCAGCCGCGCGCTGGTGACCGGGCGATGTCGAGCCCTATGCCATCGTCGGCGGTAACCCGGCCCC
 GACCATTCGTAAGCGCTTTTCCGATGGCGATATCCAGAACCTGCTGGAAATGGCCTGGTGGGACTGGC
 CACTGGCCGATATCGAGGCAGCCATGCCACTGCTGTGTACTGGGGATATCCCCGCTCTTGTACCAGGC
 ACTGGAACAGCGCCAGGCCTCGGCCTGA

Figure S7. Homology analysis of the obtained sequence of *catB* gene from *P. aeruginosa* EXR1.

NCBI Blast:Nucleotide Seq

blast.ncbi.nlm.nih.gov/Blast.cgi#alnHdr_1013864167

Alignments

Download GenBank Graphics

Pseudomonas aeruginosa strain N17-1, complete genome
 Sequence ID: CP014948.1 Length: 6370730 Number of Matches: 1

Range 1: 4837043 to 4837681 GenBank Graphics

Score	Expect	Identities	Gaps	Strand
1166 bits(631)	0.0	638/641(99%)	2/641(0%)	Plus/Plus

Features: Chloramphenicol acetyltransferase

Query	Subject
10 ATGGGCAACTATTTTCGAGAGCCCATTTCAGGGGCAAGCTGCTCTCGGAACAGGTCAGCAAC	4837102 ATGGGCAACTATTTTCGAGAGCCCATTTCAGGGGCAAGCTGCTCTCGGAACAGGTCAGCAAC
70 CCGAACAATCGGGTGGGGCGCTACAGCTACTACTCCGGCTACTATCACGGGCATTCCTTC	4837162 CCGAACAATCGGGTGGGGCGCTACAGCTACTACTCCGGCTACTATCACGGGCATTCCTTC
130 GACGACTGCGCCCGCTACCTGATGCCGGACCGCGACGCTGGACAAGCTGGTTCATCGGC	4837222 GACGACTGCGCCCGCTACCTGATGCCGGACCGCGACGCTGGACAAGCTGGTTCATCGGC
190 AGTTTCTGCTCGATCGGCAGTGGCCGCGCTTTCATCATGGCCGGCAACAGGGACACCGC	4837282 AGTTTCTGCTCGATCGGCAGTGGCCGCGCTTTCATCATGGCCGGCAACAGGGACACCGC
250 GCCGAATGGGCGTGCACCTTCCCCTTCCACTTCATGCAAGAAGAGCTGCTTGGCCGGC	4837342 GCCGAATGGGCGTGCACCTTCCCCTTCCACTTCATGCAAGAAGAGCTGCTTGGCCGGC
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430 GCGCTGTTGACCGCGATGTCGAGCCCTATGCCATCGTGGCGGTAACCCGGCCCGGACC	4837522 GCGCTGTTGACCGCGATGTCGAGCCCTATGCCATCGTGGCGGTAACCCGGCCCGGACC
490 ATTCGTAAGCGCTTTTCCGATGGCGATATCCAGAACCTGCTGGAAATGGCCTGGTGGGAC	4837582 ATTCGTAAGCGCTTTTCCGATGGCGATATCCAGAACCTGCTGGAAATGGCCTGGTGGGAC

Contig fungal seque...TXT contig sequences_ch...txt

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