b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-12212

pMo126, Insertional Disruption Plasmid for Allelic Exchange in *Burkholderia* spp.

Catalog No. NR-12212

Product Description: NR-12212 is a mobilizable, insertional disruption plasmid, pMo126, for allelic exchange in *Burkholderia* species. Plasmid pMo126 was deposited cloned into host *Escherichia coli* (*E. coli*) JM109 cells with no insert. After transformation into a commercially available chemically competent strain of *E. coli*, pMo126 was extracted using a QIAGEN® Plasmid Mega Kit.

Lot[1]: 60453674 **Manufacturing Date: 02NOV2011**

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	Report results	4786 base pairs (Figure 1 and 2)[2,3]
Concentration by PicoGreen® Measurement	0.7 to 1.5 µg in 25 to 100 µL per vial	0.84 µg in 70 µL per vial (12 µg/mL)
OD_{260}/OD_{280} Ratio	1.7 to 2.1	1.9
Effective Bacterial Transformation	≥ 100 colonies per ng	≥ 100 colonies per ng

[1]NR-12212 was amplified in a commercially available chemically competent strain of *E. coli* and extracted using a QIAGEN® Plasmid Mega Kit (QIAGEN® 12181).
[2]≥ 99.8% sequence identity to GenBank: FJ267589 (Insertional disruption vector pMo126)
[3]Sequencing results revealed that all significant elements of the vector described in the literature {Jones-Carson, J., et al. "Inactivation of [Fe-S] Metalloproteins Mediates Nitric Oxide-Dependent Killing of *Burkholderia mallei*." PLoS One 3 (2008): e1976. PubMed: 18398486.} are present in NR-12212.

Date: 24 NOV 2015 **Signature:**

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ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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Figure 1: Plasmid Map of NR-12212 / pMo126

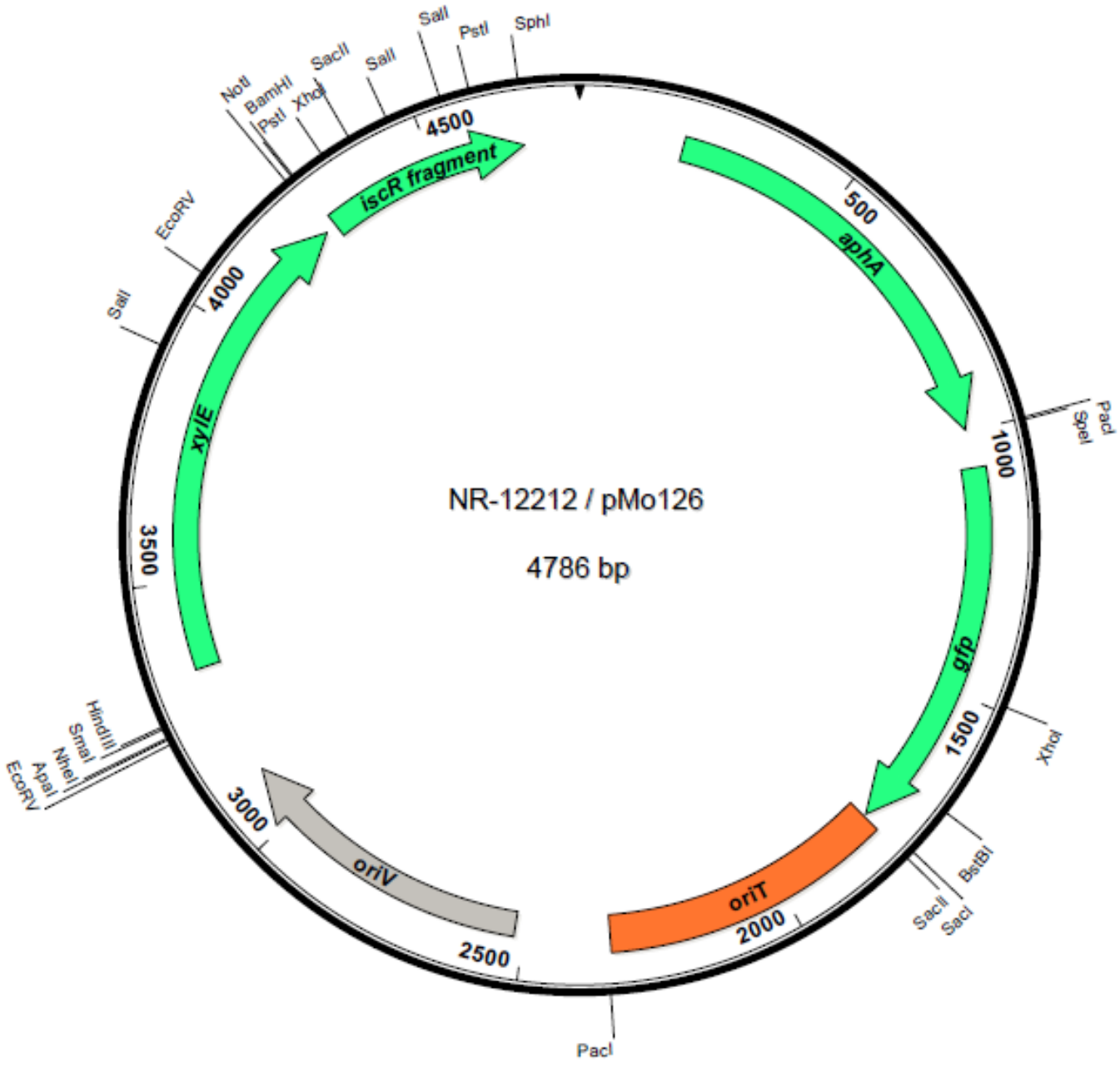

Figure 2: Complete Plasmid Sequence of NR-12212

>NR-12212 |lot_60453674| complete plasmid sequence
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