

pMo90, Suicide Plasmid for Allelic Exchange in *Burkholderia* spp.

Catalog No. NR-12211

Product Description: NR-12211 is a mobilizable suicide plasmid, pMo90, for allelic exchange in *Burkholderia* species. Plasmid pMo90 was deposited cloned into host *Escherichia coli* (*E. coli*) TOP10 cells with no insert. After transformation into a commercially available chemically competent strain of *E. coli*, pMo90 was extracted using a QIAGEN® Plasmid Mega Kit.

Lot¹: 60453673

Manufacturing Date: 02NOV2011

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	Report results	4394 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	0.79 µg in 75 µL per vial (10.5 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

¹NR-12211 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: FJ267588 (Suicide vector pMo90)

³Sequencing 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-12211.

Date: 24 NOV 2015

Signature:



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Figure 1: Plasmid Map of NR-12211 / pMo90

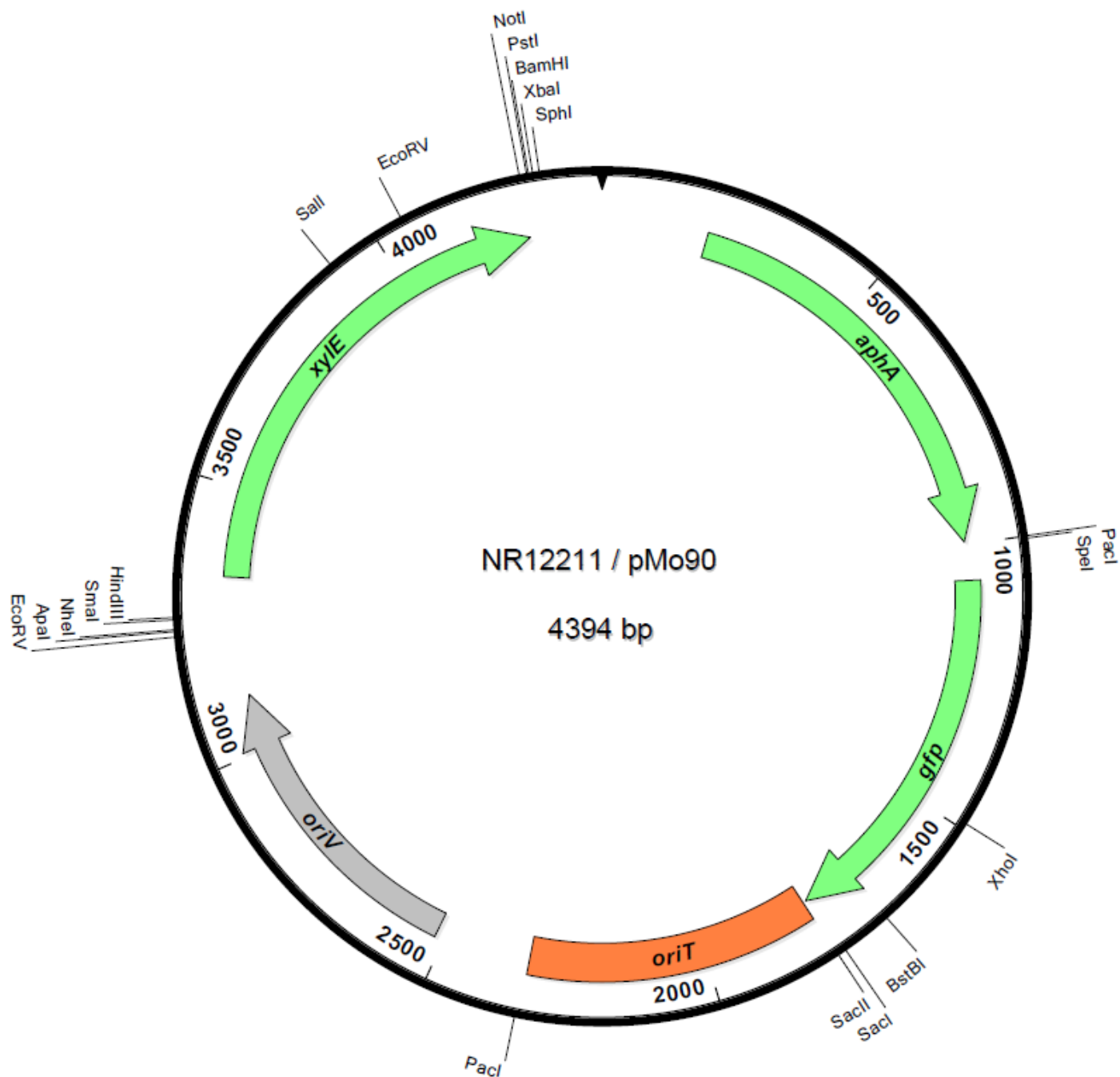


Figure 2: Complete Plasmid Sequence of NR-12211

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>NR-12211|lot_60453673|complete plasmid sequence
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