

**pMo168, Replicative Plasmid for Allelic Exchange in *Burkholderia* spp.**

**Catalog No. NR-12214**

**Product Description:** NR-12214 is a mobilizable replicative plasmid, pMo168, for allelic exchange in *Burkholderia* species. Plasmid pMo168 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*, pMo168 was extracted using a QIAGEN® Plasmid Mega Kit.

**Lot<sup>1</sup>: 60453676**

**Manufacturing Date: 03NOV2011**

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	Report results	7110 base pairs (Figure 1 and 2) <sup>2,3</sup>
Concentration by PicoGreen® Measurement	0.7 to 1.5 µg in 25 to 100 µL per vial	0.86 µg in 54 µL per vial (16 µg/mL)
OD <sub>260</sub> /OD <sub>280</sub> Ratio	1.7 to 2.1	1.8
Effective Bacterial Transformation	≥ 100 colonies per ng	≥ 100 colonies per ng

<sup>1</sup>NR-12214 was amplified in a commercially available chemically competent strain of *E. coli* and extracted using a QIAGEN® Plasmid Mega Kit (QIAGEN® 12181).

<sup>2</sup>≥ 99.7% sequence identity to GenBank: EU862244 (*Burkholderia* replicative vector pMo168)

<sup>3</sup>Sequencing results revealed that all significant elements of the vector described in the literature [Hamad, M. A., et al. "An Allelic Exchange System for Compliant Genetic Manipulation of the Select Agents *Burkholderia pseudomallei* and *Burkholderia mallei*." *Gene* 430(2009): 123-131. PubMed: 19010402.] are present in NR-12214.

**Date:** 24 NOV 2015

**Signature:**



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Figure 1: Plasmid Map of NR-12214 / pMo168

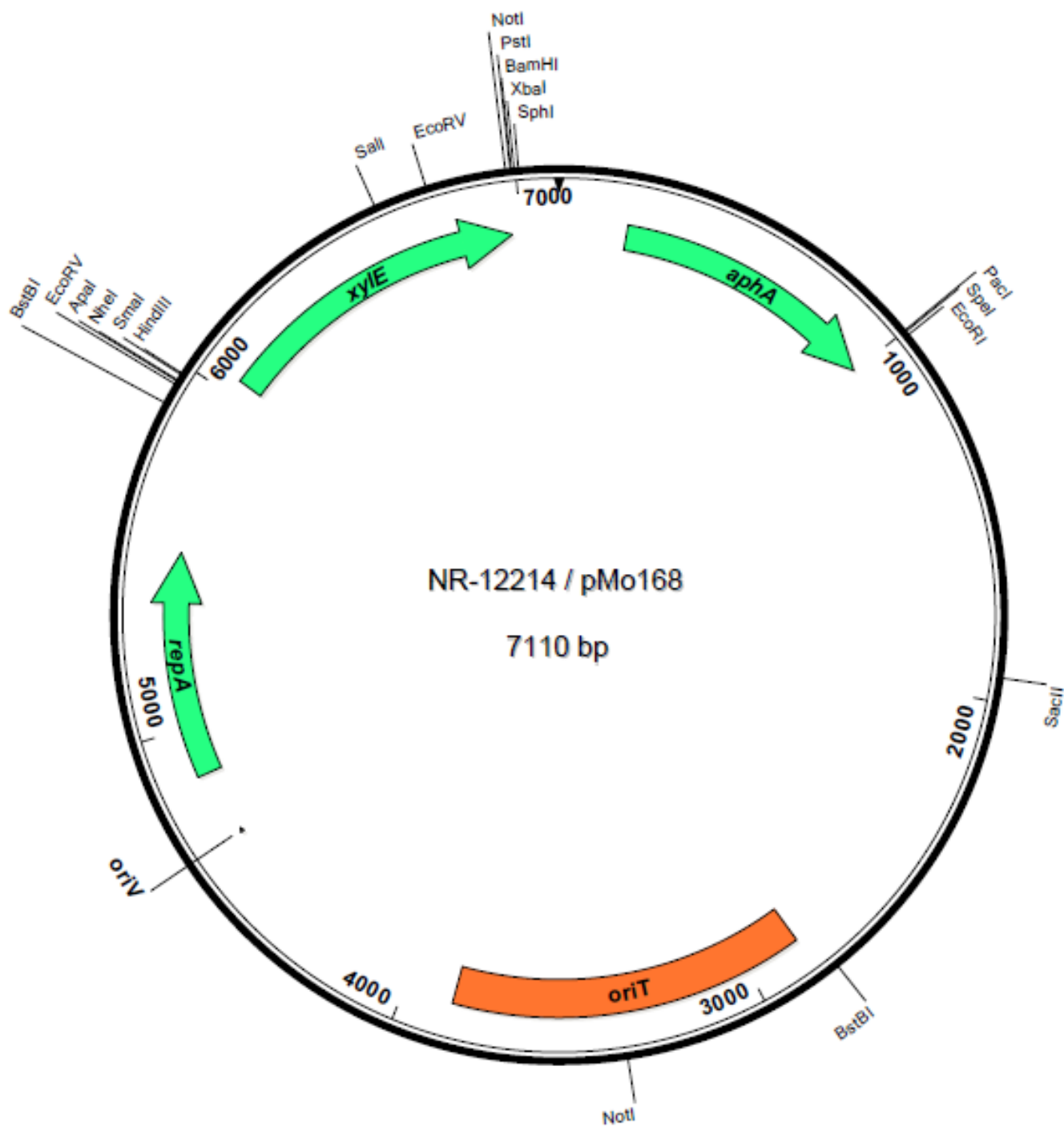


Figure 2: Complete Plasmid Sequence of NR-12214

>NR-12214 [lot\_60453676] complete plasmid sequence

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