

pMo130, Suicide Plasmid for Allelic Exchange in *Burkholderia* spp.

Catalog No. NR-12213

Product Description: NR-12213 is a mobilizable suicide plasmid, pMo130, for allelic exchange in *Burkholderia* species. Plasmid pMo130 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*, pMo130 was extracted using a QIAGEN® Plasmid Mega Kit.

Lot¹: 60453675

Manufacturing Date: 02NOV2011

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	Report results	6123 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	0.82 µg in 73 µL per vial (11 µg/mL)
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 2.1	2.0
Effective Bacterial Transformation	≥ 100 colonies per ng	≥ 100 colonies per ng

¹NR-12213 was amplified in a commercially available chemically competent strain of *E. coli* and extracted using a QIAGEN® Plasmid Mega Kit (QIAGEN® 12181).

²≥ 99.4% sequence identity to GenBank: EU862243 (*Burkholderia* suicide vector pMo130)

³Sequencing 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-12213.

Date: 24 NOV 2015

Signature:



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Figure 1: Plasmid Map of NR-12213 / pMo130

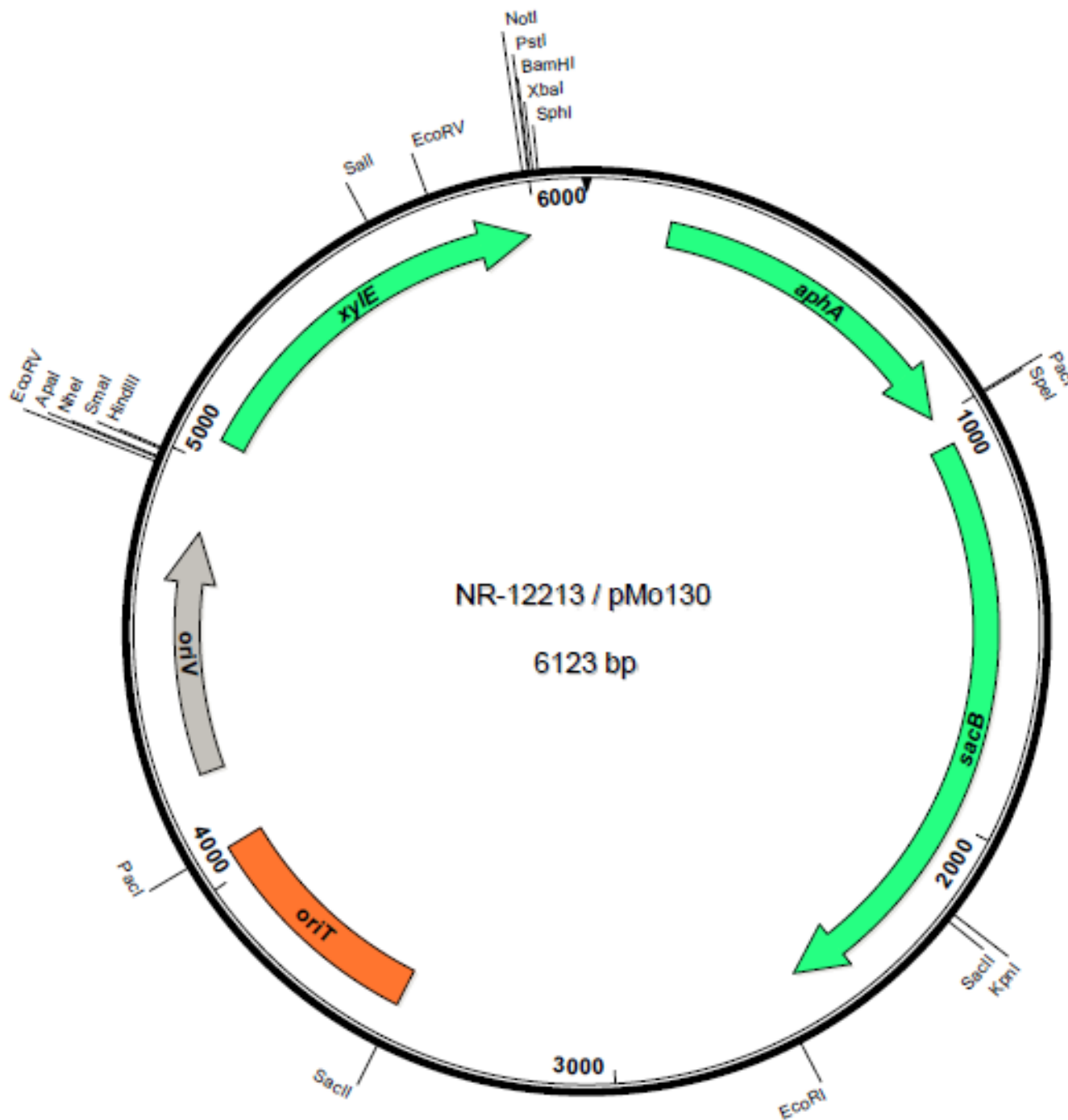


Figure 2: Complete Plasmid Sequence of NR-12213

>NR-12213 [lot_60453675] complete plasmid sequence

GACGAAAGGGCCTCGTGATACGCCTATTTTTATAGTTAATGTCATGATAAATGGTTTCTTAGACGTCAGGTGGCACTTTTCG
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