b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-158D

Genomic DNA from *Ralstonia* sp., Strain 5_2_56FAA

Catalog No. HM-158D

Product Description: Genomic DNA was obtained from a preparation of *Ralstonia* sp., strain 5_2_56FAA.

Lot[1,2]: 60190297 **Manufacturing Date: 20SEP2011**

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (1384 base pairs)	≥ 99% identical to GenBank ACTT01000008 (*Ralstonia* sp., strain 5_2_56FAA)	≥ 99% identical to GenBank ACTT01000008 (*Ralstonia* sp., strain 5_2_56FAA)
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.7 to 1.5 µg in 25 to 100 µL per vial	1.0 µg in 28 µL per vial (37 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD_{260}/OD_{280} Ratio	1.7 to 2.0	1.9
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar[3,4]	No viable bacteria detected	No viable bacteria detected

[1]Quality control of HMP organisms used for DNA extraction is only performed to demonstrate that the material produced by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.
[2]The bacterial preparation used for extraction of genomic DNA was produced by Nutrient Broth culture of the deposited material. After incubation for 48 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.
[3]7 days at 37°C and aerobic atmosphere
[4]An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

Date: 13 FEB 2012 **Signature:** 

Title: Technical Manager, BEI Authentication or designee

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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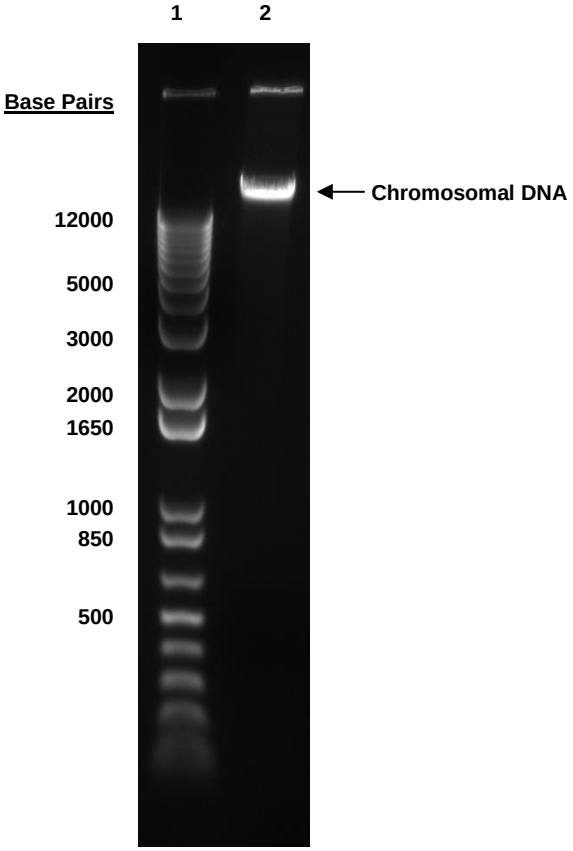
Figure 1



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 200 ng of HM-158D

BEI Resources
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