Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD	08130
Lot # :	110630

Strain: JCM 5965T

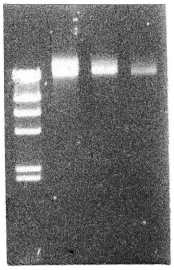
Organism: *Pseudomonas stutzeri, AB 180*

Final concentration :	100	ng/ul
Shipping amount :	100	ul

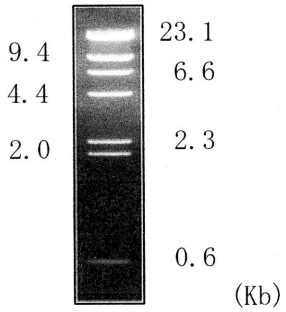
1. Electrophoresis of Genomic DNA

Date : 2011/6/29

Electrophoresis : 1% agarose gel, 1x TAE buffer
Loading DNA amount : 200, 100, and 50 ng/lane
Size marker : Lambda/HindIII (200 ng/lane)



Marker
Lambda/HindIII
(NEB#N3012S)



2. PCR Amplification

Date : 2011/7/13

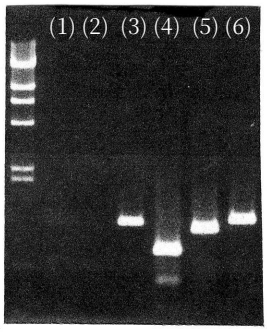
Conditions of PCR (16S ribosomal RNA genes)

Template : 100 fold diluted DNA, 1 ul
Enzyme : KOD Plus (Toyobo)
Volume : 20 ul

Reaction program: 94 degC 2 min
x30 cycle { 94 degC 15 sec; 60 degC 30 sec; 68 degC 60 sec }
68 degC 2 min

PCR primers

Eubacteria set	
EB-20F	5' AGTTTGATCCTGGCTC 3'
EB-350F	5' TACGGGAGGCAGCAG 3'
EB-1100R	5' AGGGTTGCGCTCGTTG 3'
EB-1400R	5' ACGGGCGGTGTGTAC 3'
EB-1530R	5' AAGGAGGTGATCCAGCC 3'



Sample Number

	EB-20F	EB-350F
EB-1100R	(1)	(4)
EB-1400R	(2)	(5)
EB-1530R	(3)	(6)

Electrophoresis : 1% agarose gel, 1x TAE buffer
Loading DNA amount : 5 ul PCR product/lane
Size marker : Lambda/HindIII (200 ng/lane)

3. Nucleotide sequence of 16S rRNA gene

☐Confirmed date : 2011/8/1