

Microbial Genomic DNA

Strain: JCM 8911T
Organism: *Haloarcula hispanica*

RIKEN DNA Bank catalog #

JGD 08341

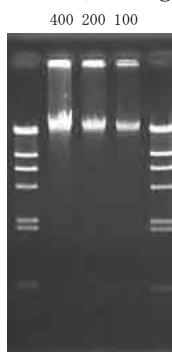
Lot # : 120120

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

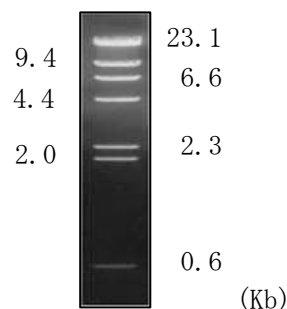
1. Electrophoresis of Genomic DNA

Date : 2012/1/20

Electrophoresis : 1% agarose gel, 1x TAE buffer
Loading DNA amount : 400, 200, and 100 ng/lane
Size marker : Lambda/HindIII (200 ng/lane)



Marker
Lambda/HindIII
(NEB#N3012S)



2. PCR Amplification

Date : 2012/1/25

Conditions of PCR ribosomal RNA (rRNA) gene

Template : 10 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

16S rRNA Archea set	
A-20F	5' TCCGGTTGATCCTGCCG 3'
A-340F	5' CCCAGGCCCTACGGG 3'
A-520R	5' GTATTACCGCGCGGCTG 3'
A-1100R	5' CGGGTCTCGCTCGTT 3'
A-1400R	5' GACGGGCGGTGTGTGC 3'

(1) (2) (3) (4) (5) (6)



Sample Number

	A-20F	A-340F
A-520R	(1)	(4)
A-1100R	(2)	(5)
A-1400R	(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 rRNA gene

 Confirmed date : 2012/1/31