

# Microbial Genomic DNA

Strain: JCM 8891T  
Organism: *Halorubrum lacusprofundi*

RIKEN DNA Bank catalog #

JGD 08340

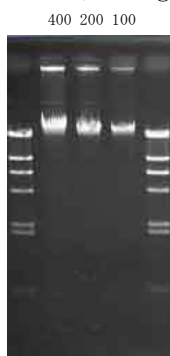
Lot # : 120119

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

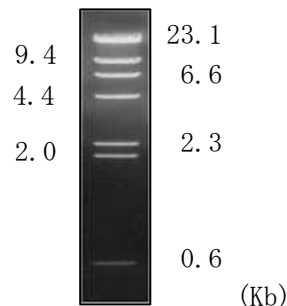
## 1. Electrophoresis of Genomic DNA

Date : 2012/1/19

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

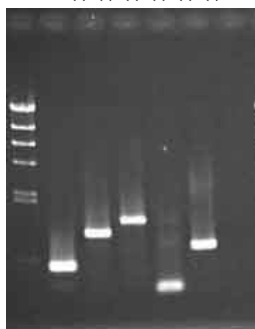
Template : 10 fold diluted DNA, 1 ul  
Enzyme : KOD Plus (Toyobo)  
Volume : 20 ul

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' GTATTACCGCGGCGGCTG 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