

Microbial Genomic DNA

Strain: JCM 8966T
Organism: *Haloarcula marismortui*

RIKEN DNA Bank catalog #

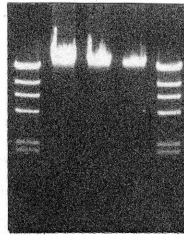
JGD 08120
Lot # : 110713

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

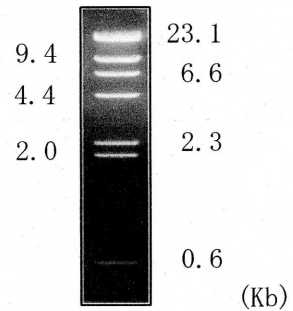
1. Electrophoresis of Genomic DNA

Date : 2011/7/13

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)



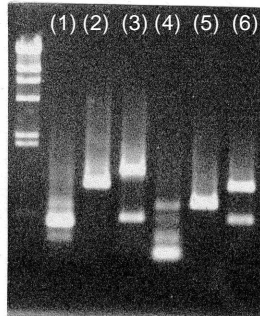
2. PCR Amplification

Date : 2011/7/14

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

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'

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 16S rRNA gene

Confirmed date : 2011/8/1