Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD : **12596**

Lot # : **12596_B3Gc**

Strain : **JCM 15764 T**

Organism : ***Geotalea toluenoxydans***

1. Shipping

Volume : **25** uL

2. Concentration of Genomic DNA

Concentration (OD 260) : **100** ng/uL

A260 / A280 : **1.92**

3. Electrophoresis of Genomic DNA

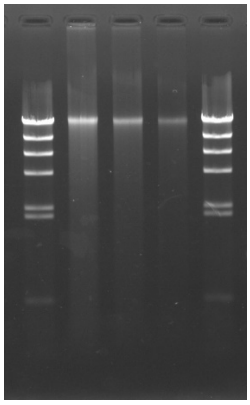
Electrophoresis : 1% agarose gel, 1x TAE buffer

Loading DNA amount : 2.0, 1.0, 0.5 uL/lane

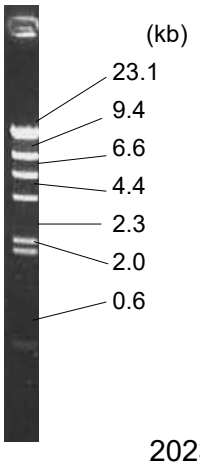
size marker : Lambda / HindIII (200 ng/Lane)

Date : 2023/8/29

2.0, 1.0, 0.5 (uL)



Marker (Lambda / HindIII, NEB#3012S)



4. PCR Amplification

Date : 2023/8/29

Conditions of PCR Ribosomal RNA (rRNA) gene

Templete : 100 fold diluted DNA, 1 uL

Enzyme : KOD plus (TOYOBO)

Volume : 20 uL

Reaction program :

	94 degC	2 min
x 30 cycle	94 degC	15 sec
	60 degC	30 sec
	68 degC	60 sec
	68 degC	2 min

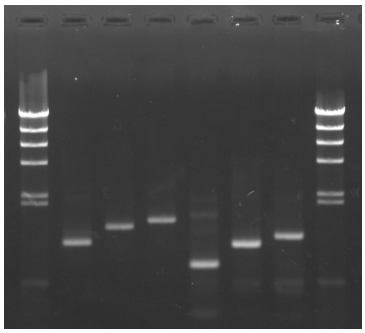
PCR primers for rRNA gene

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'

Reference: Please visit online-manual site below.

http://dna.brc.riken.jp/en/manualen/manual_genom_dna

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



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 : 3 uL PCR product/Lane

Size marker : Lambda / HindIII (200ng/Lane)

5. Nucleotide sequence of rRNA gene

■ Confirmed Date : 2023/8/30