

Microbial Genomic DNA

Strain : **JCM 12091^T**
 Organism : ***Aeropyrum camini***

RIKEN DNA Bank catalog #

JGD : **12587**Lot # : **12587_B3J1**

1. Shipping

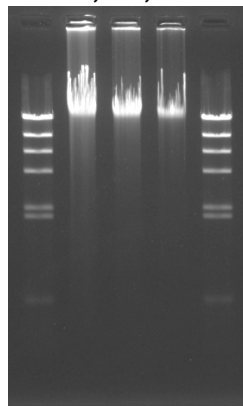
Volume : **20** uL

2. Concentration of Genomic DNA

Concentration (OD 260) : **371** ng/uL
 A260 / A280 : **1.90**

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)
2.0, 1.0, 0.5 (uL)

Date : **2023/10/17**

Marker (Lambda / HindIII, NEB#3012S)

Date : **2023/10/17**

4. PCR Amplification

Conditions of PCR Ribosomal RNA (rRNA) gene
 Template : 100 fold diluted DNA, 1 uL
 Enzyme : KOD plus (TOYOBO)
 Volume : 20 uL

Reaction program :
 x 30 cycle

| | |
|---------|--------|
| 94 degC | 2 min |
| 94 degC | 15 sec |
| 60 degC | 30 sec |
| 68 degC | 60 sec |
| 68 degC | 2 min |

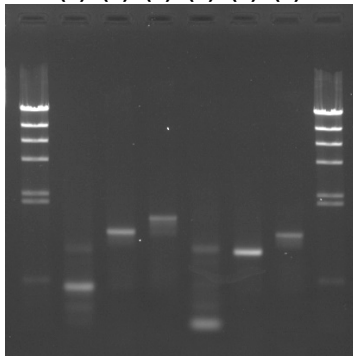
PCR primers for rRNA gene

| | |
|---------|----------------------------|
| 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' |

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

| | 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 : 3 uL PCR product/Lane
 Size marker : Lambda / HindIII (200ng/Lane)

5. Nucleotide sequence of rRNA gene

Confirmed Date : **2023/10/18**