

Microbial Genomic DNA

Strain: JCM 1809
Organism: *Trichosporon asahii*

RIKEN DNA Bank catalog #

JGD 12765

Lot # : 12765-A4Di

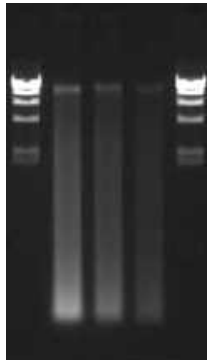
Estimated concentration (OD260) :	50	ng/ul
Shipping amount :	20	ul

1. Electrophoresis of Genomic DNA

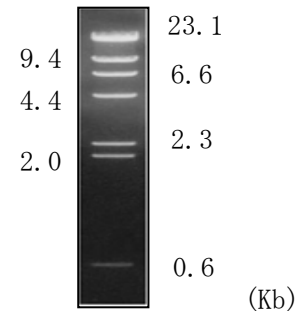
Date : 2014/5/26

Electrophoresis : 1% agarose gel, 1x TAE buffer
Loading DNA amount : 2, 1 and 0.5 nl/lane
Size marker : Lambda/HindIII (200 ng/lane)

2 1 0.5



Marker
Lambda/HindIII
(NEB#N3012S)



2. PCR Amplification

Date : 2014/5/23

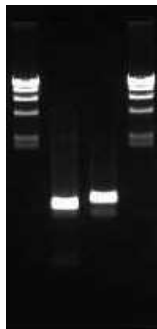
Conditions of PCR ribosomal RNA (rRNA) gene

Template : 50 fold diluted DNA, 1 ul
Enzyme : KOD Plus (Toyobo)
Volume : 20 ul

Reaction program: 94 degC 5 min
x40 cycle $\left\{ \begin{array}{l} 94 \text{ degC } 30 \text{ sec} \\ 55 \text{ degC } 30 \text{ sec} \\ 72 \text{ degC } 60 \text{ sec} \\ 72 \text{ degC } 7 \text{ min} \end{array} \right.$
(1) (2)

PCR primers

26S rRNA Fungi set	
ITS5	5' GGAAGTAAAAGTCGTAACAAGG 3'
ITS4	5' TCCTCCGCTTATTGATATGC 3'
NL1	5' GCATATCAATAAGCGGAGGAAAAG 3'
NL4	5' GGTCCGTGTTCAAGACGG 3'



Sample Number

	ITS5	NL1
ITS4	(1)	
NL4		(2)

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 : 2014/5/26