

Microbial Genomic DNA

Strain : **JCM 30212**
Organism : ***Pythium junctum***

RIKEN DNA Bank catalog #
JGD : **15504**
Lot # : **15504_A7Ks**

1. Shipping

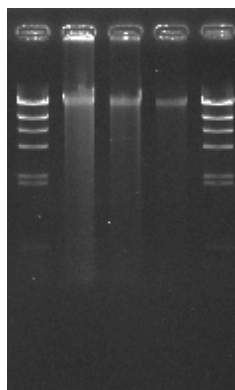
Volume : **20** uL

2. Concentration of Genomic DNA

Concentration (OD 260) : **210** ng/uL
A260 / A280 : **1.91**

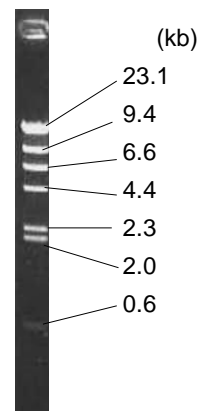
3. Electrophoresis of Genomic DNA

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 : **2018/1/9**

Marker (Lambda / HindIII, NEB#3012S)

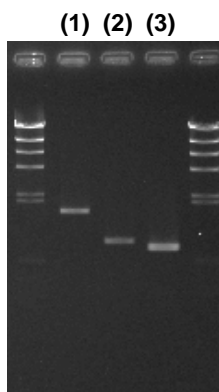


4. PCR Amplification

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



Date : **2018/1/9**

PCR primers for rRNA gene

ITS5	5'- GGAAGTAAAAGTCGTAACAAGG -3'
ITS4	5'- TCCTCCGCTTATTGATATGC -3'
NL1	5'- GCATATCAATAAGCGGAGGAAAAG -3'
NL4	5'- GGTCCGTGTTTCAAGACGG -3'
-	-

Sample Number

	ITS5	NL1
NL4	(1)	(3)
ITS4	(2)	-
-	-	-

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 : **2018/1/10**