COLONY PCR

MATERIAL:

- Colonies on Plate
- Dynazymes (Finzymes)
- Primers (10 μM) for amplification of fragment

PROCEDURE:

- Dip each colony into 20 μl ddH_2O and pipet up and down.
- Mix primers, dNTP, 10x reaction buffer, polymerase, bacterial solution and ddH_2O for each reaction according to scheme.

  Start PCR-program (see example)

94 °C	5 min	
94 °C	30 sec	} 30 cycles
56 °C	1 min	
72 °C	2 min	
72 °C	10 min	
4 ° C	∞	

SCHEME:

1.0 μl dNTP (2 mM) → "C"
2.0 μl 10x reaction buffer → "P"
0.5 μl Forward primer (10 μM)
0.5 μl Reverse primer (10 μM)
1.0 μl Bacterial solution
0.2 μl Polymerase → "TagTaq"
14.8 μl ddH_2O

∑ 20.0 μl