Taq PCR

Rationale:	
Special Observations:	
Results:	
Interpretation:	

Experiment Date:
Experiment Time:

Source: NEB

Primary Experimenter (contact):
Other Experimenters:

Assembled: 6/27/2012

Reagent	**Details**	**Quantity**	
		Suggested:	Used:
ddH2O (nuclease-free)		*Var.	
dNTP mix (10 mM)		1 µL	
10X ThermoPol Reaction Buffer		5 µL	
Forward Primer (10 uM)	(ID)→	1 µL	
Reverse Primer (10 uM)	(ID)→	1 µL	
Template DNA	(Name)→	**1 µL	
Taq DNA polymerase		0.5 µL	
$MgSO_4$			
		50 µL Total	

PCR Machine Settings:

		Recommended: Used:	Recommended: Used:
Step 1	Initial denaturing	95 °C	30 seconds
Step 2 (25 – 30 cycles)	Denature	95 °C	30 seconds
	Anneal	*Variable	30 seconds
	Extend	68 °C	60 sec/kb
Step 3	Final Extension	68 °C	5 minutes
Step 4	Hold	4 °C	Indefinite