

10X Taq PCR Buffer (From Maniatis *Molecular Cloning*):

500mM KCl

15mM MgCl<sub>2</sub>

100 mM Tris-HCl

1.1% gelatin

dNTPs:

25  $\mu$ L each dNTP (100 mM) for total 100 mM, 25 mM each dNTP

PCR using Taq (protocol from *A. Lee*):

5  $\mu$ L dNTP

0.5-1  $\mu$ L primer 1

0.5-1  $\mu$ L primer 2

2  $\mu$ L Taq (N. Salama) or 1  $\mu$ L commercial Taq

5  $\mu$ L 10X PCR Buffer

to 50  $\mu$ L ddH<sub>2</sub>O

**PCR Program 46 (in Stratagen Robocycler):**

$^{\circ}$ C    1 cycle:   30 cycles:    1 cycle:

94 (melting)   5 min   1 min    1 min

52 (annealing)   2 min   2 min    2 min

72 (extension)   1 min   1 min    15 min