



lane 1: 500 bp molecular ruler

lane 2: PCR conditions 1

lane 3: PCR conditions 2

lane 4: PCR conditions 3

Yea molecular biology!

1 2 3 4

gel: 1.5% agarose in TAE buffer

500 bp molecular ruler (500, 1000, 1500, 2000, etc.)

TOPO Cloning and Transformation of PAX (cys, 38 -) end) Tuesday 2/18/03 Cloning Reaction ( w/ Chemically Competent E. coli) 2 JUL ( From PCR #2 p. 3-73) Fresh PCR Product salt soln. (1.2 M Nac, 0.06 M MgClz) 1 ML (from TOPO Kit) 2 ML (to 5 ML total so far) sterile water TOPO® vector 1 ML - mixed gently and incubated 5 min. at room temp. (Flicked w/ finger for mixing, then tapped back down.) - Reaction was placed on ice untill the Transformation Transformation Reaction (Following directions for the One snot® ToploF' Transformation Rxn. p.12 TOPO instructions) Following the transformation 2 LB plates were spread, one with lour and one with 50 ul from the transformation To spead, a speader sterilized by burning EtOH was used on an antibiotic containing LB plate. 50 ML of soc were added to each plate before spreading. The plates were incubated overnight at 37° C. 5 colonies from each plate were selected for analysis. With a small (pink size) pipet tip, the colony was touched. The tip was then released into a clear snap like loose top tube containing 3ml of LB media wi an antibiotic. The tubes were numbered #1 - #10 and incubated overnight shaking at 37°C.

