

PCR Protocols from Jaime:

Note: I recommend protocol #2 although it may be wise to try both

1)

Each reaction will include:

2uL Taq Polymerase Buffer

1.5uL dNTPs

13.4uL Water

0.1uL Taq Polymerase

1uL Left Primer (20uM)

1uL Right Primer (20uM)

1uL Yeast Genomic DNA (10ng/uL < Actual < 50 ng/uL)

Total Reaction Volume: 20uL

Run with a touchdown PCR with annealing temperatures ranging from 69 (C) to 55 (C) in 3 or 4 degree increments, 5 cycles per increment.

2)

Each reaction will include:

2uL dNTPs

2uL exTaq Buffer

3.9uL Water

0.1uL exTaq

4uL Left Primer (0.5uM)

4uL Right Primer (0.5uM)

4uL Yeast Genomic DNA (10ng/uL < Actual < 50 ng/uL)

Total Reaction Volume: 20uL

Run with a touchdown PCR with annealing temperatures ranging from 69 (C) to 55 (C) in 3 or 4 degree increments, 5 cycles per increment.
