Yeast Colony PCR protocol

derived from http://sequence-www.stanford.edu/group/yeast_deletion_project/deletions3.html

- Wash a matchhead amount of cells with 500 ul dH_2O.
- Resuspend the cells in 100 µl solution containing 60 U/ml of Zymolyase (Make by mixing 60 ul 10mg/ml Zymolyase in 1 ml of water).
- Add 25 ul of glass beads to sample.
- Repeat these steps for each isolate and control.
- Incubate the samples at 37 ° C for 30 minutes.
- Vortex for 1 minute.
- Incubate the samples at 95 ° C for 10 minutes.
- Chill the samples on ice for 5 minutes.
- Spin for 1 minute to pellet cellular debris.
- Store at –20 ° C, or use immediately in PCR.
- Use 1-10 ul per 50 ul PCR reaction.

*The Zymolyase treated cells can be stored at –20 ° C indefinitely and still be used in PCR. The cells should be thawed and kept on ice during use.