

Cloning

PCR

PCR purify

Digestion

Diagnostic Gel electrophoresis for screening or gel extraction

Gel purification

Diagnostic gel electrophoresis for vector/ insert ratio

Ligation (2-16 hours)

Transformation overnight

Pick bacterial colonies

Grow bacteria overnight (6-16 hours) for mini

Mini Prep

Diagnostic gel electrophoresis to screen preps

Grow bacteria overnight for maxi

Maxi Prep

Optical Density

Sequence