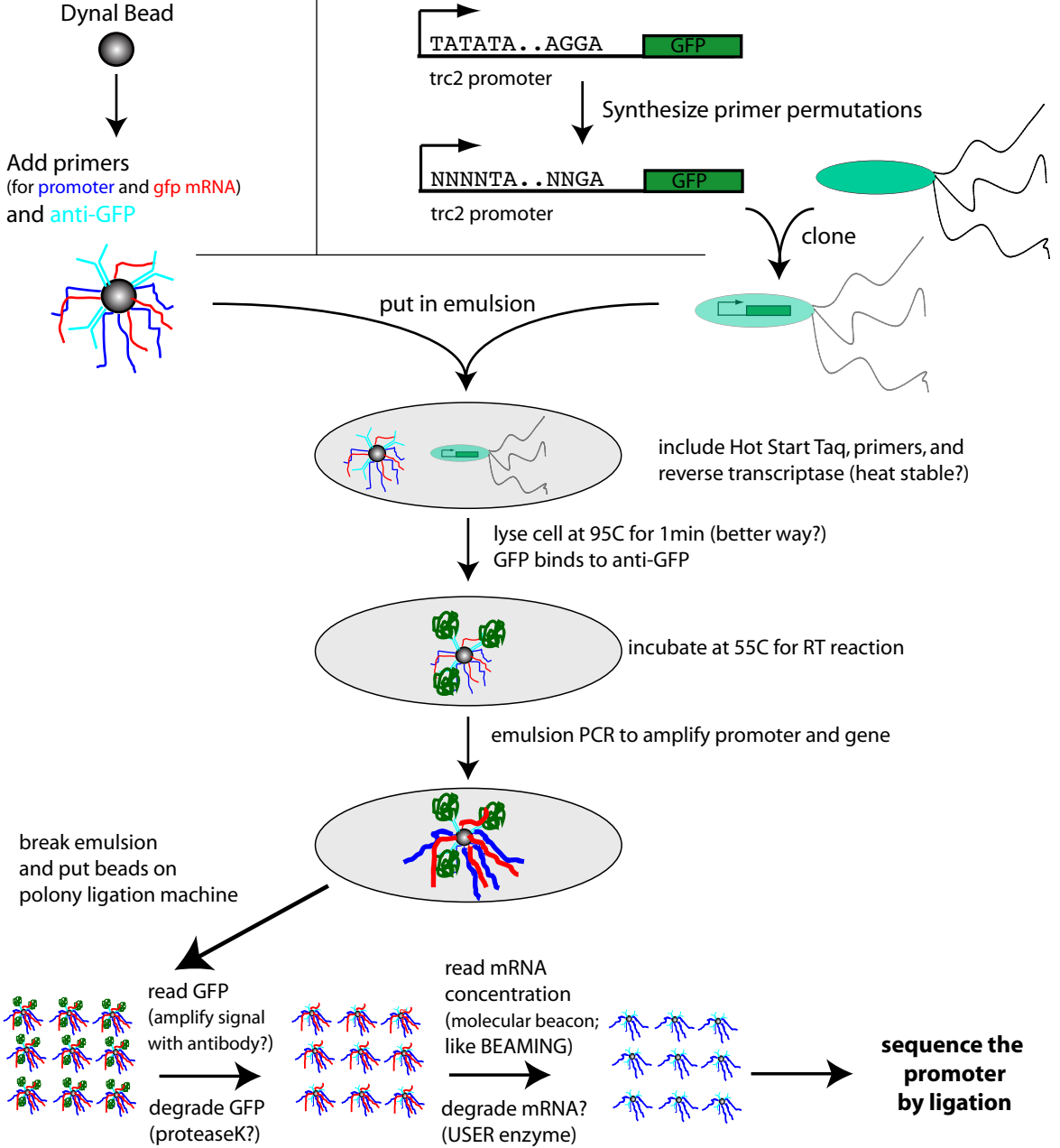
Dynal Bead
Add primers
(for promoter and gfp mRNA)
and anti-GFP
TATATA..AGGA
GFP
trc2 promoter
Synthesize primer permutations
NNNNTA..NNGA
GFP
trc2 promoter
clone
put in emulsion
include Hot Start Taq, primers, and
reverse transcriptase (heat stable?)
lyse cell at 95C for 1min (better way?)
GFP binds to anti-GFP
incubate at 55C for RT reaction
emulsion PCR to amplify promoter and gene
break emulsion
and put beads on
polony ligation machine
read GFP
(amplify signal
with antibody?)
degrade GFP
(proteaseK?)
read mRNA
concentration
(molecular beacon;
like BEAMING)
degrade mRNA?
(USER enzyme)
sequence the
promoter
by ligation