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      Bgl II          T7 promoter          lac operator          Xba I          rbs
--- AG ATC TCG ATC CCG CGA AAT TAA TAC GAC TCA CTA TAG GGG AAT TGT GAG CGG ATA ACA ATT CCC CTC TAG AAA TAA TTT TGT TTA ACT TTA AGA AGG AGA
      Nco I          His tag          Nde I  Nhe I          T7 tag
TAT ACC ATG GGC AGC AGC CAT CAT CAT CAT CAC AGC AGC GGC CTG GTG CCG CGC GGC AGC CAT ATG GCT AGC ATG ACT GGT GGA CAG CAA ATG GGT
      M  G  S  S  H  H  H  H  H  S  S  G  L  V  P  R  G  S  H  M  A  S  M  T  G  G  E  E  M  G
                                     thrombin site

      BamHI  EcoRI  Sac I  Sal I  Hind III  Not I  Xho I          His tag
CGG ATC CGA ATT CGA GCT CCG TCG ACA AGC TTG CGG CCG CAC TCG AGC ACC ACC ACC ACC ACC ACT GAG ATC CGG CTG CTA ACA AAG CCC GAA AGG AAG
      R  I  R  I  R  A  P  S  T  S  L  R  P  H  S  S  T  T  T  T  T  T  T  E  I  R  L  L  T  K  P  E  R  K

      Bsp I          T7 terminator
CTG AGT TGG CTG CTG CCA CCG CTG AGC AAT AAC TAG CAT AAC CCC TTG GGG CCT CTA AAC GGG TCT TGA GGG GTT TTT TG ---
      L  S  W  L  L  P  P  L  S  N  N  Stop
  
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