



$\overline{\text{Bgl II}}$   $\xrightarrow{\text{T7 promoter}}$   $\overline{\text{lac operator}}$   $\overline{\text{Xba I}}$   $\overline{\text{rbs}}$   
 --- AGA TCT CGA TCC CGC GAA ATT AAT ACG ACT CAC TAT AGG GGA ATT GTG AGC GGA TAA CAA TTC CCC TCT AGA AAT AAT TTT GTT TAA CTT TAA GAA GGA GAT ATA

$\overline{\text{Nde I}}$   $\overline{\text{Nhe I}}$  **T7 tag**  $\overline{\text{BamH I}}$   $\overline{\text{EcoR I}}$   $\overline{\text{Sac I}}$   $\overline{\text{Sal I}}$   $\overline{\text{Hind III}}$   $\overline{\text{Not I}}$   $\overline{\text{Xho I}}$  **His tag**  
 CAT ATG GCT AGC ATG ACT GGT GGA CAG CAA ATG GGT CGG GAT CCG AAT TCG AGC TCC GTC GAC AAG CTT GCG GCC GCA CTC GAG CAC CAC CAC CAC CAC CAC TGA GAT  
 M A S M T G G Q Q M G R D P N S S S V D K L A A A L E H H H H H H Stop

$\overline{\text{Bsp I}}$   $\overline{\text{T7 terminator}}$   
 CCG GCT GCT AAC AAA GCC CGA AAG GAA GCT GAG TTG GCT GCT GCC ACC GCT GAG CAA TAA CTA GCA TAA CCC CTT GGG GCC TCT AAA CGG GTC TTG AGG GGT TTT TTG ---