



MCS-1 : 3992-172

T7 promoter → lac operator rbs
 --- TAA TAC GAC TCA CTA TAG GGG AAT TGT GAG CGG ATA ACA ATT CCC CTG TAG AAA TAA TTT TGT TTA ACT TTA ATA AGG AGA TAT ACC
Nco I His tag BamH I EcoR I Sac I Pst I Sac I Hind III Not I
 ATG GGC AGC AGC CAT CAC CAT CAT CAC CAC AGC CAG GAT CCG AAT TCG AGC TCG GCG CGC CTG CAG GTC GAC AAG CTT GCG GCC GCA
 M G S S H H H H H S Q D P N S S S A R L Q V D K L A A A
Afl II
 TAA TGC TTA AGT CGA ---
 Stop

MCS-2: 214-440

T7 promoter → lac operator rbs
 --- TA ATA CGA CTC ACT ATA GGG GAA TTG TGA GCG GAT AAC AAT TCC CCA TCT TAG TAT ATT AGT TAA GTA TAA GAA GGA GAT ATA
Nde I Bgl II EcoR V Kpn I Xho I S tag
 CAT ATG GCA GAT CTC AAT TGG ATA TCG GCC GGC CAC GCG ATC GCT GAC GTC GGT ACC CTC GAG TCT GGT AAA GAA ACC GCT GCT GCG
 M A D L N W I S A G H A I A D V G T L E S G K E T A A A
S tag
 AAA TTT GAA CGC CAG CAC ATG GAC TCG TCT ACT AGC GCA GCT TAA TTA ACC TAG GCT ---
 K F E R Q H M D S S T S A A Stop