



5' GGGGAATTGTGAGCGGATAACAATTCCCCTGTAGAAATAATTTTGTTTAACTTTAATAAGGAGATATACCATGGG
 3' CCCCTTAACACTCGCCTATTGTTAAGGGGACATCTTTATTAACAAATTGAAATTATTCCTCTATATGGTACCC

lac operator

BamHI EcoRI SacI PstI SalI HindIII

CAGCAGCCATCACCATCATCACCACAGCCAGGATCCGAATTCGAGCTCGGGCGGCCTGCAGGTCGACAAGCTTGC
 GTCGTCGGTAGTGGTAGTAGTGGTGTCCGGTCTAGGCTTAAGCTCGAGCCGCGCGGACGTCCAGCTGTTTCGAACG

1 5
 His His His His His His Ser Gln Asp Pro Asn Ser Ser Ser Ala Arg Leu Gln Val Asp Lys Leu Ala

6xHis (in frame with 6xHis)

MCS-1

NotI AflII

GGCCGCATAATGCTTAAGTCGAACAGAAAGTAATCGTATTGTACACGGCCGCATAATCGAAATTAATACGACTCA
 CCGGCGTATTACGAATTCAGCTTGTCTTTTCATTAGCATAACATGTGCCGGCGTATTAGCTTTAATTATGCTGAGT

Ala Ala +

T7 promoter

MCS-1

75

150

225

