



TAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTGTAGAAATAATTTTGTTTAACTTTAATA
 ATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGACATCTTTATTAACAAATTGAAATTAT

T7 promoter lac operator ribosome binding site

AGGAGATATACCATGGGCAGCAGCCATCACCATCATCACCACAGCCAGGATCCGAATTCGAGCTCGGCGCGCCTG
 TCCTCTATATGGTACCCGTCGTCGGTAGTGGTAGTAGTGGTGTCGGTCTTAGGCTTAAGCTCGAGCCGCGCGGAC

His His His His His His Ser Gln Asp Pro Asn Ser Ser Ser Ala Arg Leu
 6xHis (in frame with 6xHis)

ribosome binding site MCS-1

CAGGTCGACAAGCTTGCGGCCGCATAATGCTTAAGTCGAACAGAAAGTAATCGTATTGTACACGGCCGCATAATC
 GTCCAGCTGTTCGAACGCCGGCGTATTACGAATTCAGCTTGTCTTTCATTAGCATAACATGTGCCGGCGTATTAG

Gln Val Asp Lys Leu Ala Ala Ala *
 (in frame with 6xHis)

MCS-1

GAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTATCTTAGTATATTAGTTAAGTATA
 CTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGTAGAATCATATAATCAATTCATAT

T7 promoter lac operator

