



TTACCATGGTGATGCGGTTTTGGCAGTACATCAATGGGCGTGGATAGCGGTTTGACTCACGGGGATTTCCAAGTC
 AATGGTACCACTACGCCAAAACCGTCATGTAGTTACCCGCACCTATCGCCAAAAGTGTGCCCCTAAAGTTTCAG
 CMV enhancer CMV promoter

TCCACCCCATTTGACGTCAATGGGAGTTTGTGGCACAAAATCAACGGGACTTTCCAAAATGTCGTAACAAC
 AGGTGGGGTAACTGCAGTTACCCTCAAACAAAACCGTGGTTTTAGTTGCCCTGAAAGGTTTTACAGCATTGTTGA
 CMV promoter

CCGCCCCATTGACGCAAATGGGCGGTAGGCGGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTTAGTGAACC
 GCGGGGGTAACTGCGTTTTACCCGCCATCCGCACATGCCACCCTCCAGATATATTCGTCTCGAGCAAATCACTTGG
 CMV promoter

GTCAGATCGCCTGGAGACGCCATCCACGCTGTTTTGACCTCCATAGAAGACACCGACTCTACTAGAGGATCGCTA
 CAGTCTAGCGGACCTCTGCGGTAGGTGCGACAAAAGTGGAGGTATCTTCTGTGGCTGAGATGATCTCCTAGCGAT

GCGCTACCGGACTCAGATCTCGAGCTCAAGCTTCGAATTCTGCAGTCGACGGTACCGCGGGCCCGGGATCCCGCG
 CGCGATGGCCTGAGTCTAGAGCTCGAGTTCGAAGCTTAAGACGTCAGCTGCCATGGCGCCCCGGGCCCTAGGGCGC
 XhoI EcoRI ApaI SmaI BamHI
 MCS