



TCGCTATTACCATGGTGTATGCGGTTTTGGCAGTACATCAATGGGCGTGGATAGCGGTTTGACTCACGGGGATTTTC
 AGCGATAATGGTACCACTACGCCAAAACCGTCATGTAGTTACCCGCACCTATCGCCAAAACGAGTGCCCTAAAG
 CMV enhancer CMV promoter

CAAGTCTCCACCCCATTGACGTCAATGGGAGTTTTGTTTTGGCACCAAATCAACGGGACTTTCCAAAATGTCGTA
 GTTCAGAGGTGGGGTAACTGCAGTTACCCTCAAACAAAACCGTGTTTTAGTTGCCCTGAAAGGTTTTACAGCAT
 CMV promoter

ACAACTCCGCCCCATTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTTAG
 TGTTGAGGCGGGGTAAGTGCAGTTACCCTCAAACAAAACCGTGTTTTAGTTGCCCTGAAAGGTTTTACAGCAT
 CMV promoter

TGAACCGTCAGATCGCCTGGAGACGCCATCCACGCTGTTTTGACCTCCATAGAAGACACCGACTCTACTAGAGGA
 ACTTGCGAGTCTAGCGGACCTCTGCGGTAGGTGCGACAAAACGAGGATCTTCTGTGGCTGAGATGATCTCTCT

EcoRI XhoI SpeI XbaI NotI BamHI
 TCTATTTCCGGTGAATTCCTCGAGACTAGTTCTAGAGCGGCCGCGGATCCCGCCCTCTCTCTCCCCCCCCCTA
 AGATAAAGGCCACTTAAGGAGCTCTGATCAAGATCTCGCCGGCGCTAGGGCGGGGAGAGAGAGGGGGGGGGAT
 MCS IRES