



TCGCTATTACCATGGTGTATGCGGTTTTGGCAGTACATCAATGGGCGTGGATAGCGGTTTGACTCACGGGGATTTC
 AGCGATAATGGTACCACTACGCCAAAACCGTCATGTAGTTACCCGCACCTATCGCCAAACTGAGTGCCCTAAAG
 CMV enhancer CMV promoter

675

CAAGTCTCCACCCCAATTGACGTCAATGGGAGTTTTGTTTTGGCACCAAATCAACGGGACTTTCCAAAATGTCGTA
 GTTCAGAGGTGGGGTAACTGCAGTTACCCTCAAACAAAACCGTGGTTTTAGTTGCCCTGAAAGGTTTTACAGCAT
 CMV promoter

750

ACAACTCCGCCCCATTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCTCTGGC
 TGTGAGGGCGGGTAACTGCGTTTTACCCGCCATCCGCACATGCCACCCTCCAGATATATTCGTCTCGAGAGACCG
 CMV promoter

825

TAAGTAGAGAACCCTACTGCTTACTGGCTTATCGAAATTAATACGACTCACTATAGGGAGACCCAAGCTGGCTAGC
 ATTGATCTCTTGGGTGACGAATGACCGAATAGCTTTAATTATGCTGAGTGATATCCCTCTGGGTTTCGACCGATCG
 T7 promoter MCS

900

AflIII HindIII KpnI BamHI EcoRV
 GTTTAAACTTAAGCTTGGTACCGAGCTCGGATCCACTAGTCCAGTGTGGTGGAAATTCTGCAGATATCCAGCACAG
 CAAATTTGAATTCGAACCATGGCTCGAGCCTAGGTGATCAGGTCACACCACCTTAAGACGTCTATAGGTCGTGTC
 MCS

975

NotI XhoI XbaI DraII ApaI
 TGGCGGCCGCTCGAGTCTAGAGGGCCGTTTTAAACCCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCA
 ACCGCCGGCGAGCTCAGATCTCCCGGGCAAATTTGGGCGACTAGTCGGAGCTGACACGGAAGATCAACGGTCGGT
 MCS bGH poly(A) signal

1050