

501 TAACGCTAGC ATGGATGTTT TCCCAGTCAC GACGTTGTAA AACGACGGCC AGTCTTAAGC TCGGGCCCGA GTTAACGCTA
M13 forward (-20) priming site

581 CCATGGAGCT CCAAATAATG ATTTTATTTT GACTGATAGT GACCTGTTTCG TTGCAACAAA TTGATAAGCA ATGCTTTTTT
attL4 GW1 priming site

661 ATAATGCCAA CTTTG TAT AGA AAA GTT GGC TCC GAA TTC GCC CTT PCR product AAG GGC GAA TTC
TTT CAA CCG AGG CTT AAG CGG GAA TTC CCG CTT AAG
Lys Val Gly Ser Glu Phe Ala Leu Lys Gly Glu Phe
EcoR I EcoR I

718 GAC CCA AGT TTG TAC AAAAAAGT TGAACGAGAA ACGTAAAATG ATATAAATAT CAATATATTA AATTAGATTT
CTG GGT TCA AAC ATG TTTTTC A
Asp Pro Ser
attR1 GW3 priming site

791 TGCATAAAAA ACAGACTACA TAATACTGTA AAACACAACA TATGCAGTCA CTATGAACCA ACTACTTAGA TGGTATTAGT

871 GACCTGTAGA ATTAATTCGA GCTCTAGAGC TGCAGGGCGG CCGCGATATC CCCTATAGTG AGTCGTATTA CATGGTCATA

951 GCTGTTTCCT GGCAGCTCTG
M13 reverse priming site