



**Invitrogen™**  
life technologies

501 TAACGCTAGC ATGGATGTTT TCCCAGTCAC GACGTTGTAA AACGACGGCC AGTCTTAAGC TCGGGCCCCA AATAATGATT  
 M13 forward (-20) priming site  
 attL1  
 581 TTATTTTGAC TGATAGTGAC CTGTTTCGTTG CAACAAATTG ATGAGCAATG CTTTTTTATA ATGCCAACT TTG TAC AAA  
 AAC ATG TTT  
 Leu Tyr Lys  
 Not I Asc I  
 659 AAA GCA GGC TCC GCG GCC GCC CCC TTG ACC ATG ... AAG GGT GGG CGC GCC GAC CCA GCT TTC TTG  
 TTT CGT CCG AGG CCG CGG CGG GGG AAG TGG TAC ... TTC CCA CCC GCG CGG CTG GGT CGA AAG AAC  
 Lys Ala Gly Ser Ala Ala Ala Pro Phe Thr Lys Gly Gly Arg Ala Asp Pro Ala Phe Leu  
 attL2  
 719 TAC AAAGTTGGC ATTATAAGAA AGCATTGCTT ATCAATTGT TGCAACGAAC AGGTCACTAT CAGTCAAAAT AAAATCATTA  
 ATG  
 Tyr  
 M13 reverse priming site  
 801 TTTGCCATCC AGCTGATATC CCCTATAGTG AGTCGTATTA CATGGTCATA GCTGTTTCCT GGCAGCTCTG