



Features:

1. MCS method (SpeI, XbaI, mfeI, EcoRI)
2. Restriction cutting sites control the direction of DNA fragment
3. Kan resistant
4. For cloning details see:
Ni et al., 2009. *Genetics*, 182(4):1089-100.

569-668, attL1
689-733, MCS
750-849, attL2

Accession number: GU931384

Reference: Ni et al., 2009. *Genetics*, 182(4):1089-100.

mEntry: 2625bp

CTTTCCTGCGTTATCCCCTGATTCTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGC
CGCAGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCCCAATACGCAAACCGC
CTCTCCCCGCGCGTTGGCCGATTCATTAATGCAGCTGGCACGACAGGTTTCCCAGCTGGAAAGCGGGCAG
TGAGCGCAACGCAATTAATACGCGTACCGCTAGCCAGGAAGAGTTGTAGAAACGCAAAAAGGCCATCCG
TCAGGATGGCCTTCTGCTTAGTTTGTATGCCTGGCAGTTTATGGCGGGCGTCCTGCCCGCCACCTCCGGG
CCGTTGCTTCAACAAGTTCAAATCCGCTCCCAGGCGGATTTGTCTACTCAGGAGAGCGTTCACCGACAAA
CAACAGATAAAAACGAAAGGCCAGTCTTCCGACTGAGCCTTTCGTTTATTTGATGCCTGGCAGTTCCTT
ACTCTCGCGTTAACGCTAGCATGGATGTTTTCCAGTCACGACGTTGTAAAACGACGGCCAGTCTTAAGC
TCGGGCCCAAATAATGATTTTTATTTGACTGATAGTGACCTGTTTCGTTGCAACAATTGATGAGCAATG
CTTTTTTATAATGCCAACTTTGTACAAAAAGCAGGCTCCGCGGCCGCCCTTACC**ACTAGTCTCTAG**
AGTGGCAGAAAGAAGCTACCAATTGTGAATTCAAGGGTGGGCGCGCCG**ACCAGCTTCTTGTACAAAG**
TTGGCATTATAAGAAAGCATTGCTTATCAATTTGTTGCAACGAACAGGTCACTATCAGTCAAAAATAAAAT
CATTATTTGCCATCCAGCTGATATCCCCTATAGTGAGTCGTATTACATGGTCATAGCTGTTTTCTGGCAG
CTCTGGCCCCGTGTCTCAAAATCTCTGATGTTACATTGCACAAGATAAAAATATATCATCATGAACAATAA
AACTGTCTGCTTACATAAACAGTAATACAAGGGGTGTTATGAGCCATATTCAACGGGAAACGTCGAGGCC
GCGATTAAATTCACACATGGATGCTGATTTATATGGGTATAAAATGGGCTCGCGATAATGTCGGGCAATCA
GGTGCACAAATCTATCGCTTGTATGGGAAGCCCCGATGCGCCAGAGTTGTTTTCTGAAACATGGCAAAGGTA
GCGTTGCCAATGATGTTACAGATGAGATGGTCAGACTAAACTGGCTGACGGAATTTATGCCTCTTCCGAC
CATCAAGCATTATCCGTACTCCTGATGATGCATGGTTACTCACCCTGCGATCCCCGGAAAAACAGCA
TTCCAGGTATTAGAAGAATATCCTGATTCAGGTGAAAATATTGTTGATGCGCTGGCAGTGTTCCTGCGCC
GGTTGCATTCGATTCCGTGTTTGTAAATGTCCTTTTAACAGCGATCGCGTATTTTCGTCCTCGCTCAGGCGCA
ATCACGAATGAATAACGGTTTTGGTTGATGCGAGTGATTTTGTATGACGAGCGTAATGGCTGGCCTGTTGAA
CAAGTCTGGAAAGAAATGCATAAACTTTTTGCCATTCTCACCGGATTTCAGTCGTCACTCATGGTGATTTCT
CACTTGATAACCTTATTTTTGACGAGGGGAAATTAATAGGTTGTATTGATGTTGGACGAGTCGGAATCGC
AGACCGATAACCAGGATCTTGCCATCCTATGGAAGTGCCTCGGTGAGTTTTCTCCTTATTACAGAAACGG
CTTTTTCAAAAATATGGTATTGATAATCCTGATATGAATAAATTGCAGTTTCATTGATGCTCGATGAGT
TTTTCTAATCAGAATTGGTTAATTGGTTGTAACACTGGCAGAGCATTACGCTGACTTGACGGGACGGCGC
AAGCTCATGACCAAAATCCCTTAACGTGAGTTACGCGTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAG
ATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCGTAATCTGCTGCTTGCAACAACAAAAACCACCGC
TACCAGCGGTGGTTTTGTTTGGCCGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAACGGCTTCAGCAG
AGCGCAGATAACCAATACTGTCCTTCTAGTGTAGCCGTAGTTAGGCCACCACCTCAAGAACTCTGTAGCA
CCGCCTACATAACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGTCTTA
CCGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTCGGGCTGAACGGGGGGTTTCGTGCAC
ACAGCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCATTGAGAAAGCGCC
ACGCTTCCCAGGGGAGAAAGGCGGACAGGTATCCGTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGA
GGGAGCTTCCAGGGGGAAACGCCTGGTATCTTTATAGTCTGTGCGGTTTTGCCACCTCTGACTTGAGCG
TCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTATGGAAAAACGCCAGCAACCGGCCTTTTTACGG
TTCTTGGCCTTTTTGCTGGCCTTTTTGCTCACATGTT