

BACTH system: Vector sequences

pKNT25

3469 bp

T25 fragment (upper cases)

MCS sequence (underlined)

cagctggcagcagcaggtttcccgactggaaagcgggagcagtgagcgcgaacgcaattaatgtgagttagctcactca
ttaggcacccccaggctttacactttatgcttccggctcgtatggtgtgtggaattgtgagcggataacaatttca
cacaggaacagctATGACCATGATTACGCCAAGCTTGCATGCCTGCAGGTCGACTCTAGAGGATCCCCGGGTAC
CGAGCTCGAATTCAATGACCATGCAGCAATCGCATCAGGCTGGTTACGCAAAACGCCACATGATGTTCCGCCTGGTCA
TCCCCGCAGCCGTAICTGATGGCATCAAGGCCGTGGCGAAGGAAAAAACGCCACATGATGTTCCGCCTGGTCA
ACCCCCATTCCACCAGCCTGATTGCCGAAGGGGTGGCCACCAAAGGATTGGGCGTGCACGCCAAGTCGTCCGATT
GGGGGTTGCAGGCGGGCTACATTCCCGTCAACCCGAATCTTCCAAACTGTTCCGCCGTGCGCCGAGGTGATCG
CGCGGGCCGACAACGACGTCAACAGCAGCCTGGCGCATGGCCATACCGCGGTGACCTGACGCTGTGAAAGAGC
GGCTTGACTATCTGCGGCAAGCGGGCCTGGTACCGGCATGGCCGATGGCGTGGTGCAGGCAACCACGCAGGCT
ACGAGCAGTTTCGAGTTTCGCGTGAAGGAAACCTCGGACGGGCGCTATGCCGTGCAGTATCGCCGCAAGGGCGGCG
ACGATTTTCGAGGCGGTCAAGGTGATCGGCAATGCCGCCGTTATTCCACTGACGGCGGATATCGACATGTTCCGCA
TTATGCCGCATCTGTCCAACCTCCGCGACTCGGCGCGCAGTTCGGTGACCAGCGGGGATTCGGTGACCGATTACC
TGGCGCGCACGCGGGGGCTGCACCATCGATATAAactaagtaatatgggtgcaactctcagtacaatctgctctgat
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aactcgtcaagaaggcagatagaaggcagatgcgctgcgaatcgggagcggcgataccgtaaaagcagaggaagcgg
tcagcccatcgcgcgcaagctctcagcaatcacgggtagccaacgctatgtcctgatagcggctccgccaca
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cccgcttcagtgacaacgctcagacagctgcgcaaggaacgcccgtcgtggccagccacgatagcccgctgct
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gatccccctgcccacagatccttggcggcaagaaagccatccagtttactttgcagggcttcccaccttacc
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aaaaacggctttgcccgggcccctctcacttccctgttaagatcttccctggcatctccaggaaatctccgccc
gttcgtaagccatttccgctcgcgcagtcgaacgaccgagcgtagcagagtcagtgagcaggaagcggaaatata
tccctgtatcacatattctgctgacgcaccgggtgcagcctttttctcctgccacatgaagcacttactgacacc
ctcatcagtgccaacatagtaagccagtatatacactccgctagcgcaccaatagcgaacccgctctcccgcg
ggtggccgattcattaatg

pKT25

3442 bp

T25 fragment (upper cases)

MCS sequence (underlined)

aagctttaatgCGGTAGTTTATCACAGTTAAATTGCTAACGCAGTCAGGCACCGTGATGAAATCTAACAAATGCG
CTCATCGTCATCCTCGGCACCGTCACCCCTGGATGCTGTAGGCATAGGCTTGGTTATGCCGGTACTGCCGGGCCTC
TTGCGGGGATCTGGCACGACAGGTTTCCCGACTGGAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGTTAGCT
CACTCATTAGGCACCCAGGCTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGAGCGGATAACA
ATTTACACAGGAAACAGCTATGACCATGCAGCAATCGCATCAGGCTGGTTACGCAAAACGCCGCCGACCGGGAGT
CTGGCATCCCCGAGCCGTACTIONGATGGCATCAAGGCCGTGGCGAAGGAAAAAAAAACGCCACATTTGATGTTCCGCC
TGGTCAACCCCATTCACCAGCCTGATTGCCGAAGGGGTGGCCACCAAAGGATTTGGGCGTGACGCCAAGTCGT
CCGATTTGGGGGTTGCAGGCGGGCTACATTTCCCGTCAACCCGAATCTTTCAAACCTGTTCCGGCCGTGCGCCCGAGG
TGATCGCGCGGGCCGACAACGACGTCACAGCAGCCTGGCGCATGGCCATACCGCGGTGACCTGACGCTGTCTGA
AAGAGCGGCTTGACTATCTGCGGCAAGCGGGCCTGGTCAACCGGCATGGCCGATGGCGTGGTTCGCGAGCAACCACG
CAGGCTACGAGCAGTTTCGAGTTTCGCGTGAAGGAAACCTCGGACGGGCGTATGCCGTGACGATATCGCCGCAAGG
GCGGCGACGATTTTCGAGGCGGTCAAGGTGATCGGCAATGCCGCCGGTATTCCACTGACGGCGGATATCGACATGT
TCGCCATTATGCCGCATCTGTCCAACCTTCGCGACTCGGCGCGCAGTTCCGGTGACCAGCGGCGATTCGGTGACCG
ATTACCTGGCGCGCACGGGCGGGCTGCAGGGTGCAGTCTAGAGGATCCCCGGGTACCTAAGTAACTAAGAATTC
GGCGCTCGTTTTACAACGTCGTGACTGGGAAAACCCCTGGCGTTACCCAACCTAATCGCTTGCGACACATCCCC
TTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGA
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GGGCGAAGAACTCCAGCATGAGATCCCCGCGCTGGAGGATCATCCAGCCGGCGTCCCGGAAAACGATTCGGAAGC
CCAACCTTTCATAGAAGGCGGCGGTGGAATCGAAATCTCGTGATGGCAGGTTGGGCGTCGCTGGTCGGTCATTT
CGAACCCAGAGTCCCGCTCAGAAGAACTCGTCAAGAAGGCGATAGAAGGCGATGCGCTGCGAATCGGGAGCGGC
GATACCGTAAAGCACGAGGAAGCGGTGAGCCACTCGCCGCAAGCTCTCAGCAATATCACGGGTAGCCAACGCG
TATGTCCTGATAGCGGTCGCGCACACCCAGCCGCGCACAGTCGATGAATCCAGAAAAGCGGCCATTTCCACCCAT
GATATTCGGCAAGCAGGCATCGCCATGGGTCAAGCAGAGATCCTCGCCGTGGGCGATCCGCGCCTTGAGCCTGGC
GAACAGTTCCGGCTGGCGCGAGCCCCCTGATGCTCTTCGTCCAGATCATCCTGATCGACAAGACCGGCTTCCATCCG
AGTACGTGCTCGCTCGATGCGATGTTTCGCTGGTGGTTCGAATGGGCGAGGTAGCCGGATCAAGCGTATGACGCG
CCGATTTGCATCAGCCATGATGGATACTTTCTCGGCAGGAGCAAGGTGAGATGACAGGAGATCCTGCCCCGGCAC
TTCGCCCAATAGCAGCCAGTCCCTTCCCGCTTCAGTGACAACGTCGAGCACAGCTGCGCAAGGAACGCCCGTCTG
GGCCCAACAGTACGCGCGCTGCCTCGCTGGAGTTCATTCAGGGCACCGGACAGGTGGTCTTGACAAAAAG
AACGGGGCGCCCTGCGCTGACAGCCGGAACACGGCGGCATCAGAGCAGCCGATTTGCTGTTGTGCCAGTCATA
GCCGAATAGCCTCTCCACCCAAGCGGCCGGAGAACCTGCGTGCAATCCATCTGTTCAATCATGCGAAACGATCC
TCATCCTGTCTCTTGATCAGATCTTGATCCCTGCGCCATCAGATCCTTGGCGGCAAGAAAGCCATCCAGTTTAC
TTTGAGGGCTTCCCAACCTTACCAGAGGGCGCCCAAGCTGGCAATTCGGTTTCGCTTGTCTGCATAAAAACCGC
CCAGTCTAGCTATCGCCATGTAAGCCCACTGCAAGCTACTGCTTCTCTTTCGCTTGCCTTTTCCCTTGTCCA
GATAGCCAGTAGCTGACATTCATCCGGGGTCAGCACCGTTCCTGCGGACTGGCTTCTACGTGTTCCGCTTCT
TTAGCAGCCCTTGCGCCCTGAGTGCTTGCGGCAGCGTGAAGCTGTGCTTAGAAAATATTTTATCTGATTAATAAGA
TGATCTTCTTGAGATCGTTTTGGTCTGCGCGTAATCTCTGCTCTGAAAACGAAAAAACCGCCTTGCAAGGGCGGT
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GTCTTTAGTTTAGCCTTAAACGGCGCATGACTTCAAGACTAACTCCTCTAAATCAATTACCAGTGGCTGCTGC
CAGTGGTGTCTTTGATGCTCTTCCGGGTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTGCGACTG
AACGGGGGGTTCGTGCATACAGTCCAGCTTGGAGCGAAGTGCCTACCCGGAAGTGAAGTCAAGGCGTGGAAATGAG
ACAAACGCGGCCATAACAGCGGAATGACACCGGTAACCCGAAAGGCAGGAACAGGAGAGCGCACGAGGGAGCCGC
CAGGGGAAACGCTGGTATCTTTATAGTCTGTGGGTTTCGCCACCACTGATTTGAGCGTCAGATTTCTGTGATG
CTTGTGAGGGGGCGGAGCCTATGGAAAAACGGCTTTCGCGCGGCCCTCTCACTTCCCTGTTAAGTATCTTCTGT
GCATCTTCCAGGAAATCTCCGCCCGTTCGTAAGCCATTTCCGCTCGCCGAGTCGAACGACCGAGCGTAGCGAG
TCAGTGAGCGAGGAAGCGGAATATCTGTATCACATATTTCTGCTGACGCACCGGTGCGCCTTTTCTCTCTCT
CCATGAAGCACTTCACTGACACCCCTCATCAGTGCCAACATAGTAAGCCAGTATATACTCCGCT

pKT25-zip

3556 bp

T25 fragment (upper cases)

Leucine zipper (underlined)

aagctttaatgcggtagtttatcacagttaaattgctaacgcagtcaggcaccgtgtatgaaatctaacaatgcy
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cactcattagggcaccaggtttacactttatgcttcccggctcgtatgttgtgtggaattgtgagcggataaca
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CTGGCATCCCCGCAGCCGTACTCGATGGCATCAAGGCCGTGGCGAAGGAAAAAAAAACCCACATTGATGTTCCGCC
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CCGATTGGGGGTTGCAGGCGGGCTACATTCCTCGTCAACCCGAATCTTCCAAACTGTTCCGGCCTGCGCCCGAGG
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AAGAGCGGCTTGACTATCTGCGGCAAGCGGGCCTGGTACCGGCATGGCCGATGGCGTGGTGCAGCAACCACG
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agctggcaattccgggtcgttgcgtgctccataaaaaccgcccagcttagctatcgccatgtaagcccactgcaagc
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aattctgctgacgcaccgggtgcagccttttctcctgcccacatgaagcacttcactgacaccctcatcagtcg
caacatagtaagccagtatatacactccgct

pUT18

3023 bp

T18 fragment (upper cases)

MCS sequence (underlined)

cagctggcagcagaggtttcccgactggaaagcgggagtgagcgcaacgcaattaatgtgagttagctcactca
ttaggcacccaggtttacactttatgcttccggctcgtatggtgtggaattgtgagcggataacaatttca
cacaggaacagctATGACCATGATTACGCCAAGCTTGCATGCCTGCAGGTCGACTCTAGAGGATCCCCGGTAC
CGAGCTCGAATTCAGCCGCCAGCGAGGCCACGGGCGGCCTGGATCGCGAACGCATCGACTTGTGTGAAAAATCG
CTCGCGCCGGCGCCCGTTCCGCAGTGGGCACCGAGGCGCGTCCGCTACGACGGCGACATGAATATCG
GCGTGATCACCGATTTTCGAGCTGGAAGTGCCTGAACAGGCGGGCGCACGCCGTCGGCGCGCAGGACG
TGGTCCAGCATGGCACTGAGCAGAACAATCCTTTCCCGGAGGCAGATGAGAAGATTTTCGTCGTATCGGCCACCG
GTGAAAGCCAGATGCTCACGCGGGCAACTGAAGGAATACATTGGCCAGCAGCGGGCGAGGGCTATGTCTTCT
ACGAGAACCGTGCATACGGCGTGGCGGGGAAAAGCCTGTTTCGACGATGGGCTGGGAGCCGCGCCCGCGTCCGA
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aaggcggacaggtatccggtaaagcggcagggctcggaaacaggagagcgcacgagggagcttccaggggaaacgcc
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gcgcgttggccgattcattaatg

pUT18C-zip

3131 bp

T18 fragment (upper cases)

Leucine zipper (underlined)

cagctggcaccgacaggtttcccgactggaaagcgggacgtgagcgcacacgcaattaatgtgagttagctcactca
ttaggcacccccaggctttacactttatgcttccggctcgtatggtgtgtggaattgtgagcggataacaatttca
cacaggaacagct**ATGACCATGATTACGCCAAGCTTAGCCGCCAGCGAGGCCACGGGCGGCCTGGATCGCGAAC**
GCATCGACTTGTGTGGAAAATCGCTCGCGCCGGCCCGTTCCGCAGTGGGCACCGAGGCGCTCGCCAGTTCC
GCTACGACGGCGACATGAATATCGGCGTGATCACCGATTTTCGAGCTGGAAGTGCGCAATGCCTGAACAGGCGGG
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AGATTTTCGTGATCGGCCACCGGTGAAAGCCAGATGCTCACGCGGGCAACTGAAGGAATACATTGGCCAGC
AGCGCGGCGAGGGCTATGTCTTCTACGAGAACCGTGCATACGGCGTGGCGGGGAAAAGCCTGTTTCGACGATGGGC
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CCGGATTGCGGCGGCGCTCGCTGGGCGCAGTGGAAACGCCACTGCAGGTCGACTCTAGAGGATCCCGGGTACCTA
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