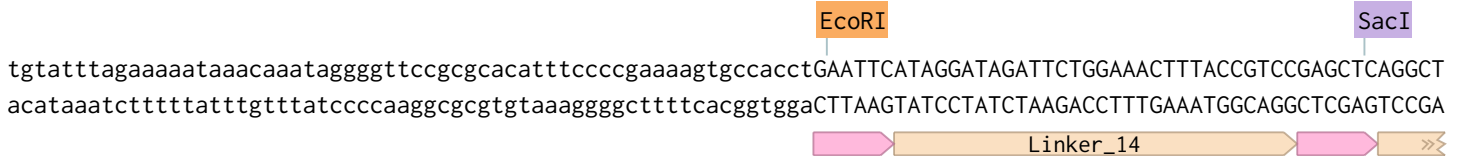


pC-0_v4 (4063 bp)

tgtatttagaaaaataaacaataggggttccgcgcacatttccccgaaaagtgccacctGAATTCATAGGATAGATTCTGGAACTTTACCGTCCGAGCTCAGGCT
acataaatctttttattgtttatccccaaggcgcgtgtaaagggcttttcacggtggaCTTAAGTATCCTATCTAAGACCTTTGAAATGGCAGGCTCGAGTCCGA



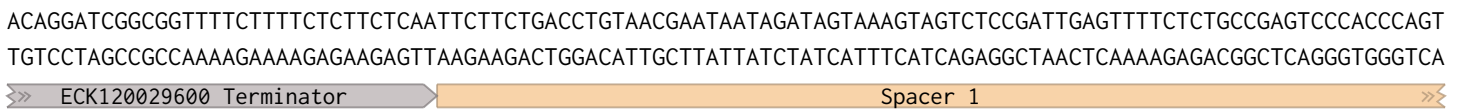
EcoRI SacI
Linker_14

XhoI NcoI
TACCTTACTCGAGCAATAAACAGTTGATAGGGCTTCTCCGTTACCATGGTTACGCCAAAAAATTAAAGACCGCCGGTCTTGCCACTACCTTGCAGTAATGCCGTGG
ATGGAATGAGCTCGTTATTTGTCAACTATCCCGAAGAGGCAATGGTACCAAGTCGGTTTTTTGAATTCTGGCGGCCAGAACAGGTGATGGAACGTCAATTACGCCACC



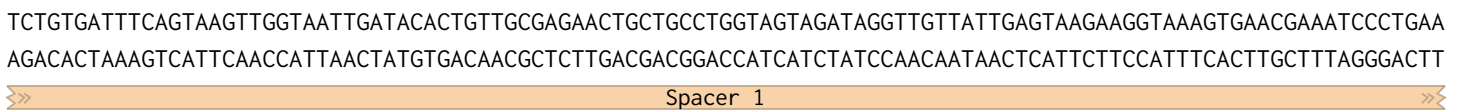
Linker_0 ECK120029600 Terminator

ACAGGATCGGCGTTTTCTTTCTCTTCTCAATTCTTCTGACCTGTAACGAATAATAGATAGTAAAGTAGTCTCCGATTGAGTTTTCTCTGCCGAGTCCCACCCAGT
TGCTTAGCCGCCAAAAGAAAAGAGAAGATTAAGAAGACTGGACATTGCTTATTATCTATCATTTTCATCAGAGGCTAACTCAAAGAGACGGCTCAGGGTGGGTCA




ECK120029600 Terminator Spacer 1

TCTGTGATTTTCAGTAAGTTGGTAATTGATACACTGTTGCGAGAAGTCTGCCTGGTAGTAGATAGTTGTTATTGAGTAAGAAGGTAAAGTGAACGAAATCCCTGAA
AGACACTAAAGTCATTAACCATTAACATATGTGACAACGCTCTTGACGACGGACCATCATCTATCCAACAATAACTCATTCTTCCATTTCACTTGCTTTAGGGACTT



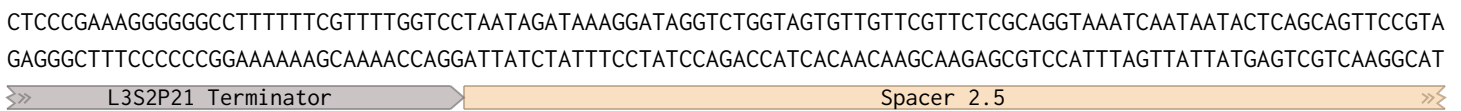
Spacer 1

HindIII BamHI SbfI KpnI
ACTGAGACTGTAGAAAATAAGCTTGTCCAGACTATTGGATCCAAGAGATTTCTACACGATTGAGCACTGTCTCCTGCAGGCTCGGTACCAAATTCAGAAAAGAGGC
TGACTCTGACATCTTTTATTGCAACAGGTCTGATAACCTAGGTTCTCTAAAGATGTGCTAACTCGTGACAGAGGACGTCGAGCCATGGTTAAGGTCTTTTCTCCG



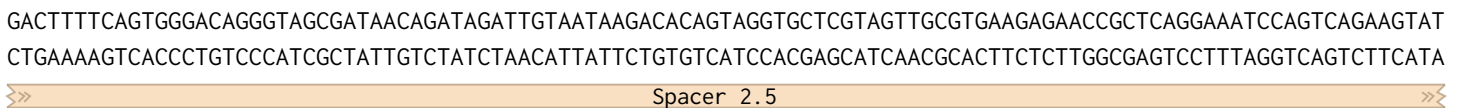
Spacer 1 Linker_10 L3S2P21 Terminator

CTCCGAAAGGGGGCCTTTTTCTGTTTTGGTCCCTAATAGATAAAGGATAGGCTGGTAGTGTGTTCTGTTCTCGCAGGTAATCAATAACTCAGCAGTCCGTA
GAGGGCTTTCCCGGAAAAAGCAAACCAGGATTATCTATTTCTATCCAGACCATCACAACAAGCAAGAGCGTCCATTTAGTTATTATGAGTCGTCAGGCAT



L3S2P21 Terminator Spacer 2.5

GACTTTTCAGTGGGACAGGAGTACGATAACAGATAGATTGTAATAAGACACAGTAGGTGCTCGTAGTTGCGTGAAGAGAACCGCTCAGGAAATCCAGTCAGAAGTAT
CTGAAAAGTCAACCCTGTCCCATCGCTATTGTCTATCTAACATTATTCTGTGTCATCCAGGACATCAACGCACCTTCTTGGCGAGTCTTTAGGTCAGTCTTCATA



Spacer 2.5

SalI AatII NotI
TGGTAATCGTTGAAAACCTAGTCGACGCACTTACTGAAGACGTCCTATTACACTCGTCTGGAAAACCTGAAGATGCGGCCGcggaacacagAAAAAGCCCGCACC
ACCATTAGCAACTTTTGGAGTCAGCTGCGTGAATGACTTCTGCAGGATAATGTGAGCAGCAACCTTTGACTTCTACGCCGGCgctttgtgtcTTTTTTCGGGCGTGG



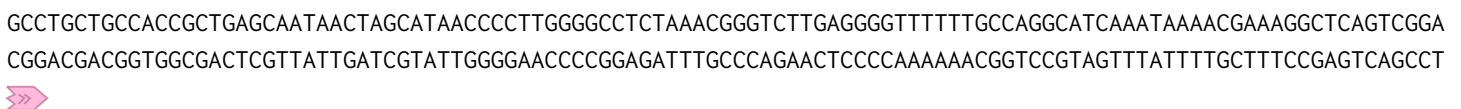
Spacer 2.5 Linker_11

KasI BbvCI AscI
TGACAGTGGCGGCTTTTTTTTTcgaccaaaggTAGCGAACGACGAGTCACTGTTGAGGATAAAACTTTTCTACTAGGCGCCTGTTACACAGGTCCTCAGCGGCGC
ACTGTCACGCCGAAAAAAGctggtttccATCGCTTGCTGCTCAGTGACAACCTATTTATGAAAAGAGATGATCCGCGGACAATGTGTCCAGGAGTCGCGCGC



ECK120033737 Terminator Linker 8

GCCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGCGCTCTAACGGGTCTTGAGGGTTTTTTGCCAGGCATCAAATAAACGAAAGGCTCAGTCGGA
CGGACGACGGTGGCGACTCGTTATTGATCGTATTGGGAACCCCGAGATTTGCCAGAACTCCCAAAAAACGGTCCGTAGTTTATTTGCTTTCCGAGTCAGCCT



Linker

AGACTGGGCCTTTCGTTTTATCTGTTGTTTGTTCGGTGAACGCTCTCCTGAGTAGGACAAAATCCGCCGGGAGCGGATTTGAACGTTGTGAAGCAACGCCCGGAGGGT
TCTGACCCGAAAGCAAAATAGACAACAAACAGCCACTTGCAGAGGACTCATCTGTTTAGCGGCCCTCGCTAAACTTGCAAACTTCGTTGCCGGGCTCCCA

GGCGGGCAGGACGCCGCCATAAACTGCCAGGCATCAAATAAGCAGAAGGCCATCTGACGGATGGCCTTTTTGCGTTTCagatctcgggcagcgttgggtcctgg
CCGCCCGTCTGCGGGCGTATTTGACGGTCCGTAGTTTGATTGTTTCCGGTAGGACTGCCTACCGGAAAAACGCAAAGtctagagcccgtcgcaaccaggacc

ccacgggtgcgcatgatcgtgctcctgctgcttgaggaccggctaggctggcggggttccttactggttagcagaatgaatcaccgatacgcgagcgaacgtgaag
ggtgcccacgcgtactagcacgaggacagcaactcctgggcccgatccgaccgccccaacggaatgaccaatcgttacttagtggctatgcgctcgttgcacttc

cgactgctgctgcaaacgtctgcgacctgagcaacaacatgaatggtccttcggtttccgtgtttcgtaaagtctggaacgcggaagtacgcgcctgcaccatta
gctgacgacgacgttttgcagacgctggactcgttgttacttaccagaagcacaagcacaagcatttcagaccttgcgccttcagtgcgggagctggtaat

tgttccggatctgcatcgcaggatgctgctggctaccctgtggaacacctacatctgtattaacgaagcgtggcattgaccctgagtgttttctctggtcccgc
acaaggcctagacgtagcgttctacgacgacctgggacaccttgtggatgtagacataattgcttcgacgacctaacgggactcactaaaaagagaccaggggc

cgcatccataaccgagttgtttaccctcacaacgttcagtaaccgggcatgttcatcatcagtaaccgatatcgtgagcatcctctctggttcatcggtatcat
cgtaggtatggcggccaacaatgggagtggtgcaaggtcattggcccgtacaagtagtagtcatgggcatagcactcgtaggagagagcaagtagccatagta

tacccccatgaacagaaatcccccttacacggaggcatcagtgaccaaacaggaacccgcttaacatggcccgtttatcagaagccagacattaacgcttc
atgggggtacttgtcttttagggggaatgtgcctccgtagtcactggtttgtcttttttggcgggaattgtaccgggcaaatagcttccggtctgtaattgcaag

tggagaaactcaacgagctggacgcggatgaacaggcagacatctgtgaatcgcttcacgaccacgctgatgagctttaccgagctgcctcgcgctttcgggtgat
accttttgagttgctcgacctgcgcctacttgtccgtctgtagacacttagcgaagtgtggtgcgactactcgaatggcgtcgacggagcgcgcaagccacta

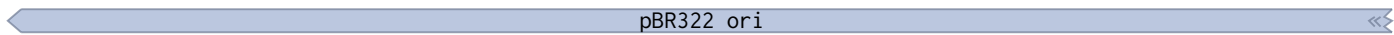
gacggtgaaaacctctgacacatgcagctcccggagacggtcacagcttgtctgtaagcggatgccgggagcagacaagcccgtcagggcgcgtcagcgggtgttgg
ctgccacttttgagactgtgtacgtcgaggcctctgccagtgctgaacagacattcgctacggccctcgtctgttcgggcagctcccgcgagtcgccacaacc

cgggtgtcggggcgcagccatgaccagtcacgtagcgatagcggagtgtatactggcttaactatgcggtatcagagcagattgtactgagagtgcaccatatag
gccacagccccgcgtcggtagtgggtcagtgcatcgctatcgctcacatatgaccgaattgatacgcctagctctcgttcaatgactctcacgtggtatatac

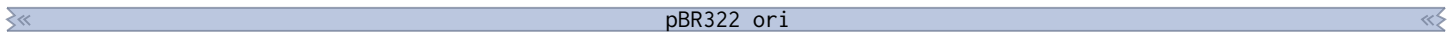
cgggtgaaataccgcacagatgcgtaaggagaaaataccgcatcaggcgtcttccgcttctcgtcactgactcgtcgcctcggctcgttcggctgcggcagc
gccacactttatggcgtgtctacgcatcctctttatggcgtagtcgagagaaggcgaaggagcagtgactgagcgcgagccagcaagccgacgcccgtcgt

ggtatcagctcactcaaggcggtaatacggttatccacagaatcaggggataacgcaggaaagaacatgtgagcaaaaggccagcaaaaggccaggaaccgtaaaa
ccatagtcgagtgagttccgcatatagccaataggtgtcttagtcccctattgctgcttttctgtacactcgttttccggtcgttttccggtccttggcatttt

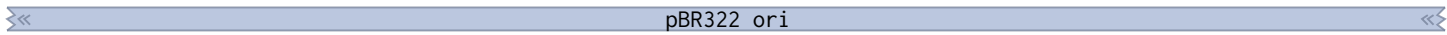
aggccgcttgcgtggttttccataggctccgccccctgacgagcatcacaaaaatcgacgctcaagtcagaggtggcgaacccgacaggactataaagatac
tccggcgaacgaccgcaaaaaggatccgaggcgggggactgctcgtagtggttttagctgaggttcagctccaccgcttgggctgctctgatatttctag



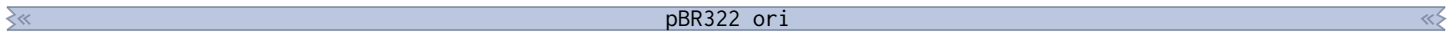
caggcgtttccccctggaagctccctcgtgctctcctgttccgacctgccgttaccgatacctgtccgcctttctcccttcgggaagcgtggcgttttctca
gtccgcaaaaggggaccttcgaggagcacgcgagaggacaaggctgggacggcgaatggcctatggacaggcggaaagggaagcccttcgaccgcgaaagagt



tagctcacgctgtaggtatctcagttcgggtgtaggtcgttccgtccaagctgggctgtgtgcacgaacccccgttcagcccagccgtgcgccttatccgtaact
atcgagtcgacatccatagagtcaagccacatccagcaagcaggttcgaccgacacacgtgcttgggggcaagtgggctggcagcggaaataggccatgta



atcgtcttgagtccaaccggtaagacacgacttatcgccactggcagcagccactggtaacaggatagcagagcaggtatgtaggctggtctacagattcttg
tagcagaactcaggttgggccattctgtgctgaatagcggtagccgtcgtcggtagccatgtcctaactcgtctcgtccatacatccgccagatgtctcaagaac



aagtggcctaactacggctacactagaaggacagtatttggtatctgcgctctgctgaagccagttaccttcggaaaaagagttggtagctcttgatccggcaattcaccaccggattgatgccgatgtgatcttctgtcataaacatagacgcgagacgacttcggtcaatggaagccttttctcaaccatcgagaactaggccgtt

pBR322 ori

aaaaccaccgctggtagcgggtgggttttttggttgcaagcagcagattacgcgcagaaaaaaggatctcaagaagatcctttgatctttctacggggtctgactgttttggcgcgaccatcgccacaaaaaaacaacggttcgtcgtctaatgcgctcttttttcttagagtcttcttaggaaactagaaaagatgccccagactgc

pBR322 ori

ctcagtggaacgaaaactcacgttaagggttttggatcatgagattatcaaaaaggatcttcacctagatccttttaaataaaaatgaagtttaaatcaatctaaagatcaccttgccttttgagtgaattccttaaaaccagtactctaatagttttcttagaagtggtatctaggaatataatcttacttcaaaatttagttagatt

agtatatatgagtaaaacttggctgacagttaccaatgcttaatcagtgggcacctatctcagcgtctgtctatcttctgctcatccatagttgcctgactcccgttcatatatactcatttgaaccagactgtcaatggttacgaattagtcactccgtggatagagtcgctagacagataaagcaagtaggtatcaacggactgaggggca

AmpR

cgtagataaactacgatacgggagggttaccatctggccccagtgctgcaatgataccgcgagaccacgctcaccggctccagatttatcagcaataaccagcgcacatctatgatgctatgcctcccgaatggttagaccgggtcacgacgttactatggcgtctgggtgcgagtgccgagggtctaaatagtcgtatttggctg

AmpR

cagccgaaggccgagcgcagaagtggtcctgcaactttatccgctccatccagtcattaattgttgcgggaagctagagtaagtagttcgcagttaatagtgctggccttcccggctcgcgtcttcaccaggacgttgaaataggcggaggttaggtcagataattaacaacggccttcgatctcatcatcaacgggtcaattatca

AmpR

ttgcgaactgtttgccattgctgcaggcatcgtggtgtcacgctcgtcgttttggatggcttcatcagctccggttccaacgatcaaggcagttacatgatcaacggttgaacaacggtaacgacgtccgttagcaccacagtgcgagcagcaaccataccgaagtaagtcgaggccaagggttgcctagtctccgtcaatgtactag

AmpR

ccccatgttgcaaaaaagcggttagctccttcggtcctccgatcgttgtcagaagtaagttggccgagtggtatcactcatggttatggcagcactgcataattgggttacaacacggtttttcgcgaatcgaggaagccaggaggttagcaacagctcttattcaaccggcgtcacaatagtgagtaccaataccgtcgtgacgtatcaa

AmpR

ctcttactgtcatgccatccgtaagatgcttttctgtgactggtagtactcaaccaagtcattctgagaatagtgatgaggcaccgagttgctcttgcccggcgagaatgacagtacggttaggcattctacgaaaagacactgaccactcatgagttggttcagtaagactcttatcacatacggcgtggctcaacgagaacggccgc

AmpR

tcaacacgggataataccgcgccacatagcagaactttaaagtgtcatcattggaaaaagcttcttcggggcgaaaactctcaaggatcttaccgctgttgagatcagttgtgccctattatggcgcggtgtatcgtcttgaaatctcagcagtagtaaccttttgaagaagccccgcttttgagagttcctagaatggcgacaactctag

AmpR

cagttcgatgtaaccactcgtgcaccaactgatcttcagcatctttactttcaccagcgtttctgggtgagcaaaaacaggaaggcaaatgccgcaaaaagggtcaagctacattgggtgagcagctgggttgactagaagtcgtagaaaatgaaagtggtcgaaaagaccactcgtttttgtccttccgttttacggcgttttttcc

AmpR

gaataaggcgcacggaaatgtgaatactcactcttcttttcaatattattgaagcatttatcagggttattgtctcatgagcggatacatatttgaaacttattcccgtgtgcctttacaacttatgagtagagaaggaaaaagttataataacttcgtaaatagttccaataacagagtactcgctatgtataaactt

AmpR