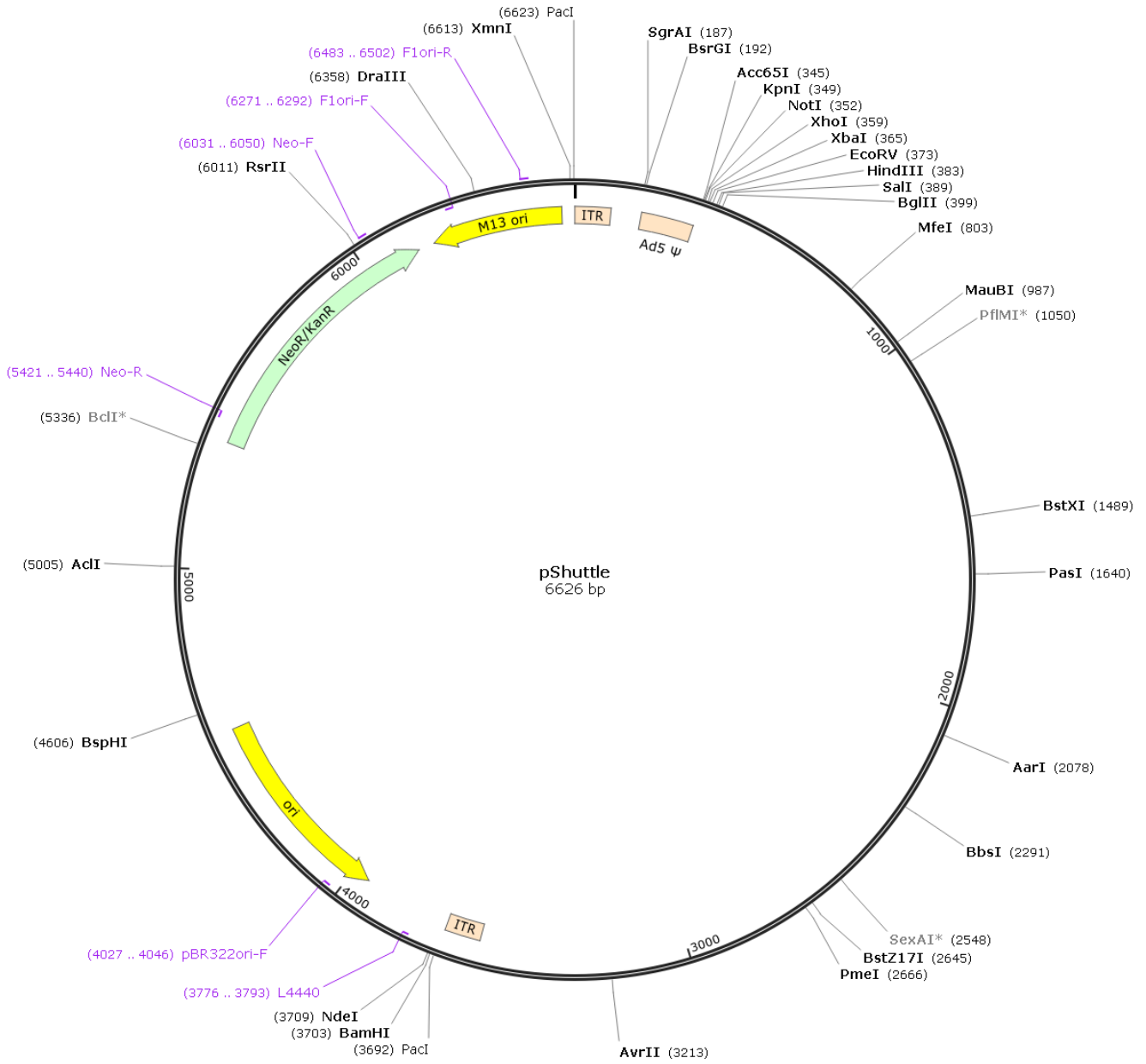


pShuttle Vector Map and Sequence

Reference: *He TC et al PNAS 95 (5) 2509-2514* <https://doi.org/10.1073/pnas.95.5.2509>



pShuttle Vector Sequence

catcatcaataatataccttatttttgattgaagccaatatgataatgaggggggtggagtttgtgacgtggcgcgggggcgtg
ggaacggggcggtgacgtagtagtggtggcgaagtgtgatgttgcaagtggtggcgaacacatgtaagcgacggatgtggc
aaaagtgacgtttttggtgtgcccgggtgtacacaggaagtgacaattttcgcgcggttttaggcggatgttgtagtaaat
tggcgtaaccgagtaagatttggccattttcgcgggaaaactgaataagaggaagtgaatctgaataattttgtgttact
catagcgcgtaataactggtaccgcgccgcctcagctctagagatatcgaattcaagcttgcgactcgaagatctgggctg
ggttaaggggtgggaaagaatataaaggtgggggtcttatgtatgttttgcagcagccgcccgcctatgag
caccaactcgtttgatggaagcattgtgagctcatatttgacaacgcgcatgccccatgggcccgggtgctcagaatgtg
atgggctccagcattgatggtcgcctcctgcccgaactctactacctgacctacgagaccgtgtctggaacgcctg
tgggactgcagcctccgcccgcctcagccgctgcagccaccgcccgcgggattgtgactgactttgcttctgagccc
gcttgcaagcagtgacgttcccgttcatccgcccgcgatgacaagttgacggctcttttggcacaattggattccttgacc
cgggaacttaagtgcgtttctcagcagctgttggatctgcgccagcaggtttctgcctgaaggcttctcccctcccaatg
cgttttaaaacataaaataaaaaaccagactctgtttggatttggatcaagcaagtgcttgcgtctttatattaggggttt
gcgcgcggttagcccggaaccagcggctcctggtcgttgagggtcctgtgtatttttccaggacgtggtaaaaggtgactc
tggatgttcagatacatgggcataaagccgctcctcgggtggaggtgagtagcaccactgcagagcttcatgctgccccggtg
tgtagatgatccagctcgtagcaggagcctggcgctgggctcctaaaaatgtctttcagtagcaagctgattgccagggcag
gcccttgggtgaagtgtttacaaagcgttgaagctgggatgggtgcatacgtgggatagatgcatcttggactgtatt
tttaggttggctatgttcccagccatatcctccggggattcatgttgcgagaaccaccagcacagtgatccgggtgact
tgggaaatttgcctagcttagaaggaatgcgtggaagaacttggagacgcccttgcacctccaagattttccatgca
ttcgtccataatgatggcaatgggccacggcgccgctggcggaagatatttctgggatcactaacgtcatagttgtgt
tccaggatgagatcgtcatagggcatttttacaagcgcggcgagggtgccagactgcggtataatggttccatccggcc
cagggcgtagttaccctcacagatttgcatttcccacgctttgagttcagatgggggatcatgtctacctgcggggcgat
gaagaaaacggtttccgggtaggggagatcagctgggaagaaagcaggttctgagcagctgcgacttaccgcagccggtg
ggcccgtaaatcacacctattaccggtgcaactggtagttaagagagctgcagctgccgtcatccctgagcagggggcca
ctcgttaagcatgtccctgactcgcgtgttttccctgaccaaaccgcccagaaggcgtcgcgcccagcgatagcagttc
ttgcaaggaagcaaagttttcaacggtttgagaccgtccgcccgtaggcatgcttttgagcgtttgaccaagcagttccagg
cgtcccacagctcgtcacctgctctacggcatctcgatccagcatatctcctcgtttcgcggggttggggcggttctcgt
gtacggcagtagtcggtgctcgtccagacgggcccagggtcatgtcttccacgggcccagggctcctcgtcagcgtagctg
gtcacggtgaaggggtgcgctccgggtgcgctggccaggggtgcgcttgaggctggtcctgctggtgctgaagcgtgcc
ggtcttcgcccgtgcgctcggccaggtagcatttgaccatgggtgcatagctccagcccctccgcccgtggcccttggcg
cagcttgccttggaggagcgcgcagagggcagtgacagcttttgaggcgtagagcttgggcccagaaaataccgat
tccgggtagtaggcatccgcccgcagggccccgcagacgtctcgcattccacagcaggtgagctctggccgttccgggt
caaaaaccaggtttccccatgctttttgatgctgttttacctctggttttccatgagccgggtgcccagctcgtgacgaa
aaggctgctcgtgccccgtatacagacttagagggagtttaaacgaattcaatagcttgtgcatggcgccgcatataaaa
atgcaaggtgctgctcaaaaaatcaggcaaagcctcgcgcaaaaaagaaagcacatcgtagctcatgctcatgcagataaagg
caggtaagctccggaaccaccacagaaaaagacaccatttttctctcaaacatgtctgcgggtttctgcataaacacaaaat
aaaatacaaaaaaacatttaaacattagaagcctgtcttacaacaggaaaaaacaacccttataagcataagacggactacg
gccatgccggcgtgaccgtaaaaaaactggtcaccgtgattaaaaagcaccaccgacagctcctcgggtcatgtccggagtca
taatgtaagactcggtaaacacatcaggttgattcacatcgggtcagtgctaaaaagcgaccgaaatagcccgggggaataca
taccgcagggcgtagagacaacattacagccccataggaggtataaaaaaattaaaggagagaaaaacacataaacacct
gaaaaaccctcctgcctaggcaaaaatagaccctcccgtccagaacaacatacagcgttccacagcggcagccataacag
tcagccttaccagtaaaaaagaaaacctattaaaaaacaccactcgcacgcgaccagctcaatcagtcacagtgtaaaaa
agggcaagtgcagagcagatataataggactaaaaaatgacgtaacggttaaagtccaaaaaacaccagaaaaccgc
acggaacctacgccagaaaagcaaaagccaaaaaaccaacttctcaaatcgtcacttccgttttcccacgttacgtca
cttcccattttaagaaaactacaattccaacacatacaagttactccgccctaaaacctacgtcaccgcgccggttcccac
gccccgcgccaggtcacaactccacccccctcattatcatattggcttcaatccaaaataaggtatattattgatgatgta
attaacatgcatggatccatagcgggtgtaaaataccgcacagatgcgtaaggagaaaaataccgcacagggcgtcttccgc
ttcctcgtcactgactcgtcgcctcggctcgttccggctgcggcgagcggatcagctcactcaaaggcggtaatacgggta
tccacagaatcaggggataacgcaggaagaacatgtgagcaaaaggccagcaaaaggccaggaaccgtaaaaaaggccgct
tgctggtgttttccataggctccgccccctgacgagcattcacaaaaatcagcgtcaagtcagaggtggcgaaccggcag
aggactataaagataaccagcgtttccccctggaagctcctcgtcgtcctcctggttccgacctcgccttaccggatc
gtctccgcttttctccttcgggaagcgtggcgcttttctcatagctcagctcgttaggtatctcagttcgggttaggtcgtt
gtccaagctgggctgtgtgcagaaacccccgttccagcccagcgtgcgcttatccggtaactatcgtcttgagtccaa
cccggtaagacacgacttatcgccactggcagcagccactggtaacaggattagcagagcaggtatgtaggcgggtgctaca
gagttcttgaagtgggtggcctaactacggctacactagaaggacagattttgggtatctgcgctcgtgtaagccagttacct
tcggaaaaagagttggtagctcttgatccggcaaaacaaaccaccgctggtagcgggtggtttttttgtttgcaagcagcagat
tacgcgcagaaaaaaggatctcaagaagatcctttgatcttttctacggggtctgacgctcagtggaacgaaaactcacgt
taagggattttggtcatgagattatcaaaaaggatcttcacctagatccttttaaaataaaaaatgaagtttaaatcaatct
aaagtataatgagtaaaccttggctgacagttaccaatgcttaacagtgaggcacctatctcagcagatctgtctatctc
ttcatccatagttgcctgactccccgtcgtgtagataactacgatacgggagggcttaccatctggcccagtgctgcaatg
ataccgcgagaccacgctcaccggtccagatttatcagcaataaaccagccagccggaagggccgagcgcagaagtgttc

ctgcaactttatccgcctccatccagctctattaattggttgccgggaagctagagtaagtagttcgccagttaatagtttgcc
caacgttggtgcccattgctgcagccatgagattatcaaaaaggatcttcacctagatccttttcacgtagaaaagccagtcg
cagaaacgggtgctgaccccgatgaatgtcagctactgggctatctggacaagggaaaacgcaagcgcaaagagaaagcagg
tagcttgacagtggttacctatggcgatagctagactgggctgttttatggacagcaagcgaaccggaattgccagctggggc
gccctctggttaaggttgggaagccctgcaaagtaaaactggatggcttcttgccgccaaggatctgatggcgaggggatca
agctctgatcaagagacaggatgaggatcgtttcgatgattgaacaagatggattgcacgcaggttctccggccgcttggg
tggagaggctattcggctatgactgggcacaacagacaatcggctgctctgatgccgctgttccggctgtcagcgcaggg
gcgcccgggttctttttgtcaagaccgacctgtccgggtgccctgaatgaactgcaagacgagggcagcgcgggctatcgtggctg
gccacgacggggcgttccttgcgacgctgtgctcgacgctgtcactgaagcgggaagggactggctgctattgggcgaagtgc
cggggcaggatctcctgtcatctcaccttgctcctgccgagaaagtatccatcatggctgatgcaatgcggcggctgcatac
gcttgatccggctacctgccattcgaccaccaagcgaacatcgatcgagcgcagcagctactcggatggaagccggctctt
gtcgatcaggatgatctggacgaagagcatcaggggctcgcgccagccgaactgttcgccaggctcaaggcgcagcatgcccg
acggcagggatctcgtcgtgacctatggcgatgcctgcttgccgaatatcatgggtgaaaatggcgccttttctggattcat
cgactgtggccggctgggtgtggcgaccgctatcaggacatagcgttggctaccctgatattgctgaagagcttggcggc
gaatgggtgaccgcttctcgtgctttacggatcgccgctcccgattcgcagcgcacgccttctatcgcttcttgacg
agttcttctgaattttgttaaaattttgttaaatcagctcattttttaaccaataggccgaaatcggcaaaatcccttata
aatcaaaagaatagaccgagataggggttgagtggttccagtttggacaagagtcactattaaagaacgtggactccaa
cgtcaaaagggcgaaaaaccgtctatcagggcgatggcccactacgtgaaccatcacccaatcaagttttttggggctcgagg
tgccgtaaagcactaaatcggaaccctaaagggagccccgatttagagcttgacggggaaagccggcgaacgtggcgagaa
aggaaggaagaaagcgaagggagcggcgctagggcgctggcaagtgtagcggtcacgctgcgcgtaaccaccacaccg
cgcgcttaatgcgccgctacagggcgcgtccattcgccattcaggatcgaattaattcttaattaa