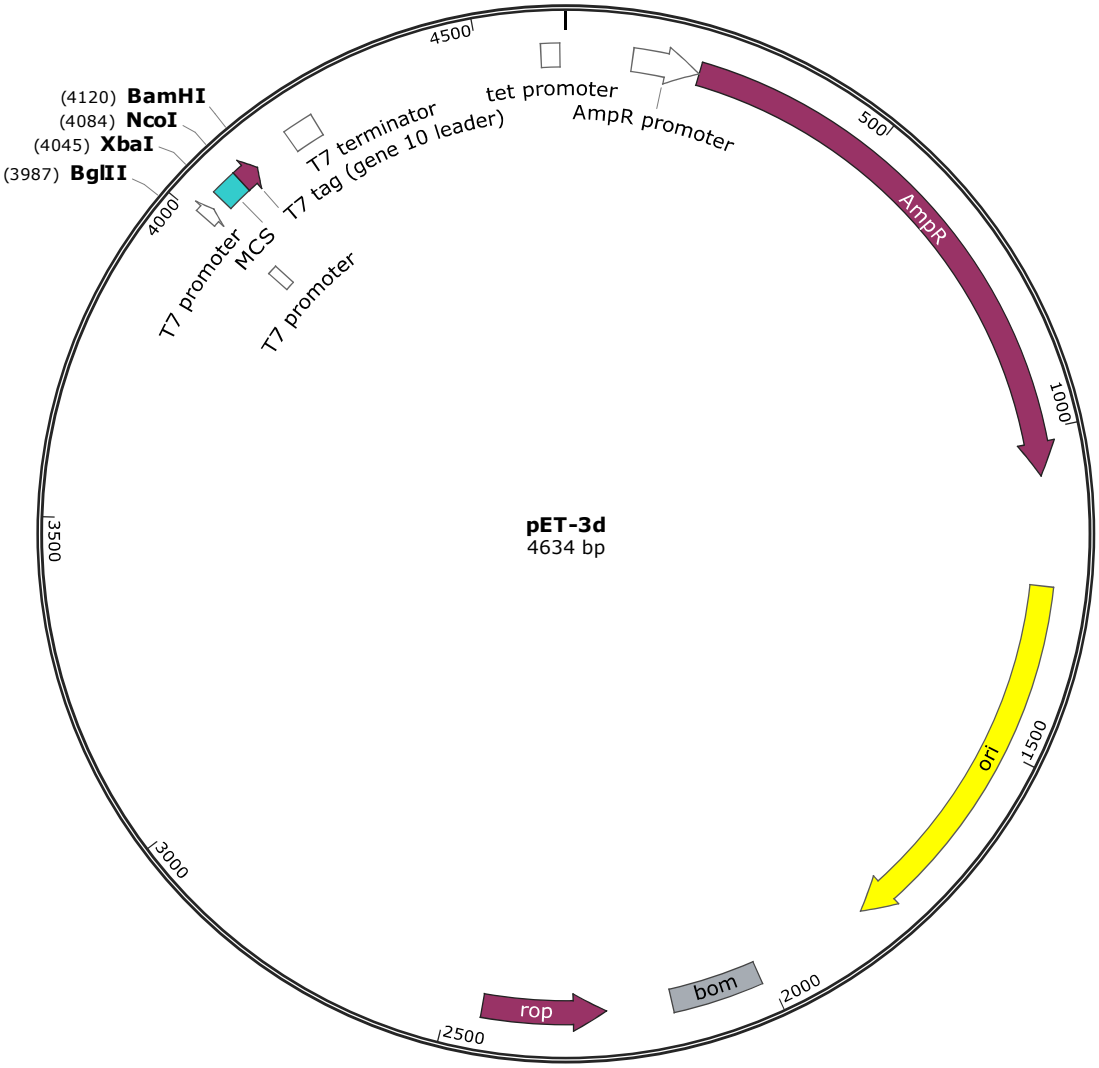

BglII XbaI

GTAGAGGATCGAGATCTCGATCCCGCGAAATTAATACGACTCACTATAGGGAGACCACAACGGTTTCCCTCTAGA 4050

CATCTCCTAGCTCTAGAGCTAGGGCGCTTTAATTATGCTGAGTGATATCCCTCTGGTGTTGCCAAAGGGAGATCT

T7 promoter MCS

NcoI BamHI

AATAATTTTGTTTAACTTTAAGAAGGAGATATACCATGGCTAGCATGACTGGTGGACAGCAAATGGGTCGGATCC 4125

TTATTAAAACAAATTGAAATTCTTCCTCTATATGGTACCGATCGTACTGACCACCTGTCGTTTACCCAGCCTAGG

1 5 10

Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly Arg Ile

MCS T7 tag (gene 10 leader)

GGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGG 4200

CCGACGATTGTTTCGGGCTTTCCTTCGACTCAACCGACGACGGTGGCGACTCGTTATTGATCGTATTGGGGAACC

Arg Leu Leu Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser Asn Asn *

(in frame with T7 tag (gene 10 leader))

T7 terminator

GGCCTCTAAACGGGTCTTGAGGGGTTTTTTGCTGAAAGGAGGAACTATATCCGGATATCCACAGGACGGGTGTGG 4275

CCGGAGATTTGCCCAGAACTCCCCAAAAAACGACTTTCCTCCTTGATATAGGCCTATAGGTGTCCTGCCCACACC

T7 terminator