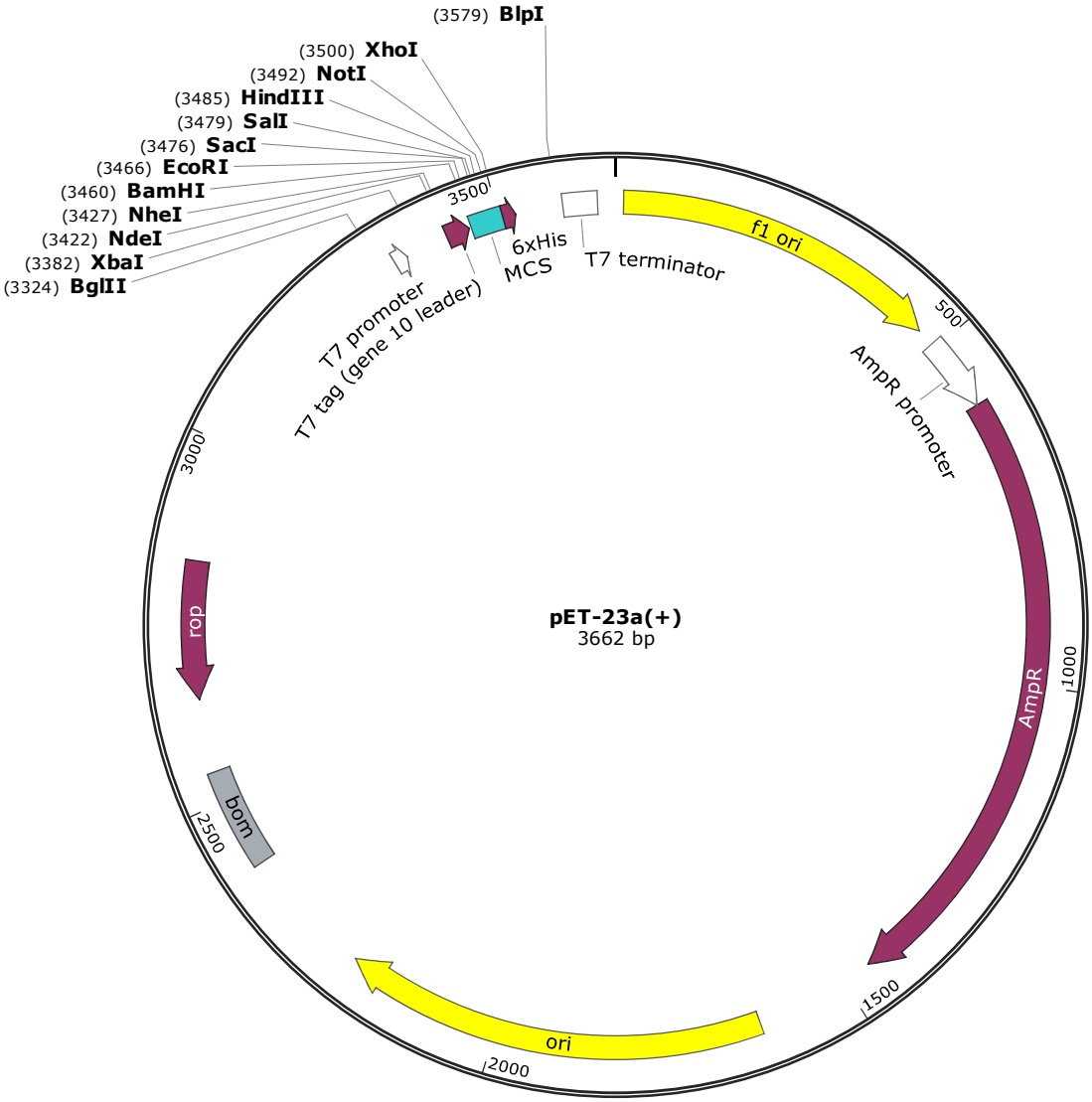

BglII

TGGCCAGGACCCAACGCTGCCCGAGATCTCGATCCCGCGAAATTAATACGACTCACTATAGGGAGACCACAACGG 3375

ACCGGTCCTGGGTTGCGACGGGCTCTAGAGCTAGGGCGCTTTAATTATGCTGAGTGATATCCCTCTGGTGTTGCC

T7 promoter

XbaI NdeI NheI

TTTCCCTCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACATATGGCTAGCATGACTGGTGGACAGCAA 3450

AAAGGGAGATCTTTATTAAAACAAATTGAAATTCTTCCTCTATATGTATACCGATCGTACTGACCACCTGTCGTT

1 5
Met Ala Ser Met Thr Gly Gly Gln Gln

T7 tag (gene 10 leader)

BamHI EcoRI SacI SalI HindIII NotI XhoI

ATGGGTCGCGGATCCGAATTCGAGCTCCGTCGACAAGCTTGCGGCCGCACTCGAGCACCACCACCACCACCACTG 3525

TACCCAGCGCCTAGGCTTAAGCTCGAGGCAGCTGTTCGAACGCCGGCGTGAGCTCGTGGTGGTGGTGGTGGTGAC

10
Met Gly Arg Gly Ser Glu Phe Glu Leu Arg Arg Gln Ala Cys Gly Arg Thr Arg Ala Pro Pro Pro Pro Pro Leu

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

T7 tag (gene 10 leader)

1 5
His His His His His His

MCS 6xHis