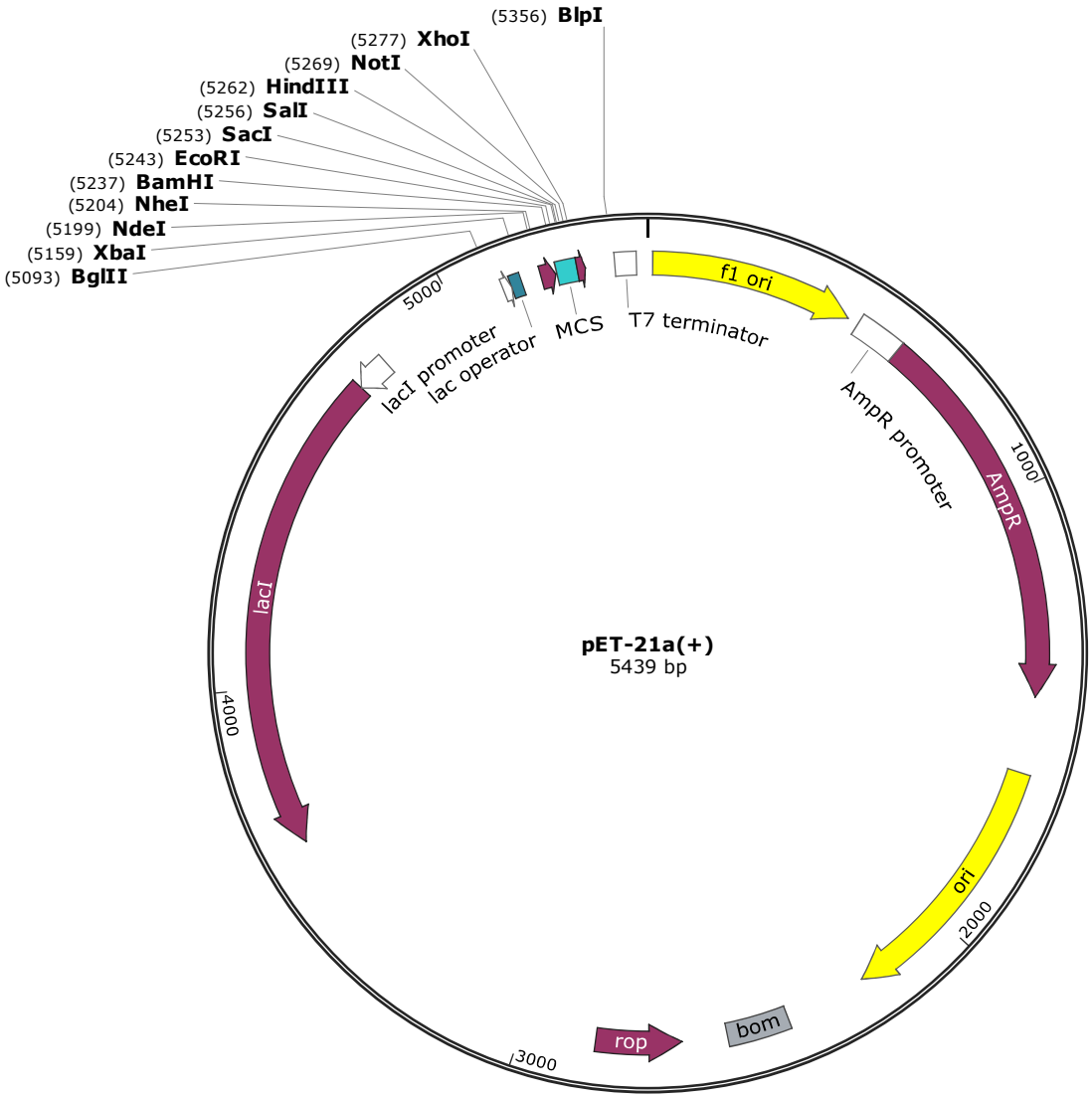

XbaI

ATCCCGCGAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAATAATTTTGT 5175

TAGGGCGCTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGAGATCTTTATTAAAACA

T7 promoter | lac operator

NdeI NheI BamHI EcoRI

TTAACTTTAAGAAGGAGATATACATATGGCTAGCATGACTGGTGGACAGCAAATGGGTCGCGGATCCGAATTCGA 5250

AATTGAAATTCTTCCTCTATATGTATACCGATCGTACTGACCACCTGTCGTTTACCCAGCGCCTAGGCTTAAGCT

1 5 10

Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly Arg Gly Ser Glu Phe Glu

T7 tag (gene 10 leader) | MCS

SacI SalI HindIII NotI XhoI

GCTCCGTCGACAAGCTTGCGGCCGCACTCGAGCACCACCACCACCACCACTGAGATCCGGCTGCTAACAAAGCCC 5325

CGAGGCAGCTGTTCGAACGCCGGCGTGAGCTCGTGGTGGTGGTGGTGGTGACTCTAGGCCGACGATTGTTTCGGG

Leu Arg Arg Gln Ala Cys Gly Arg Thr Arg Ala Pro Pro Pro Pro Pro Leu Arg Ser Gly Cys *

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

1 5

His His His His His His *

MCS | 6xHis