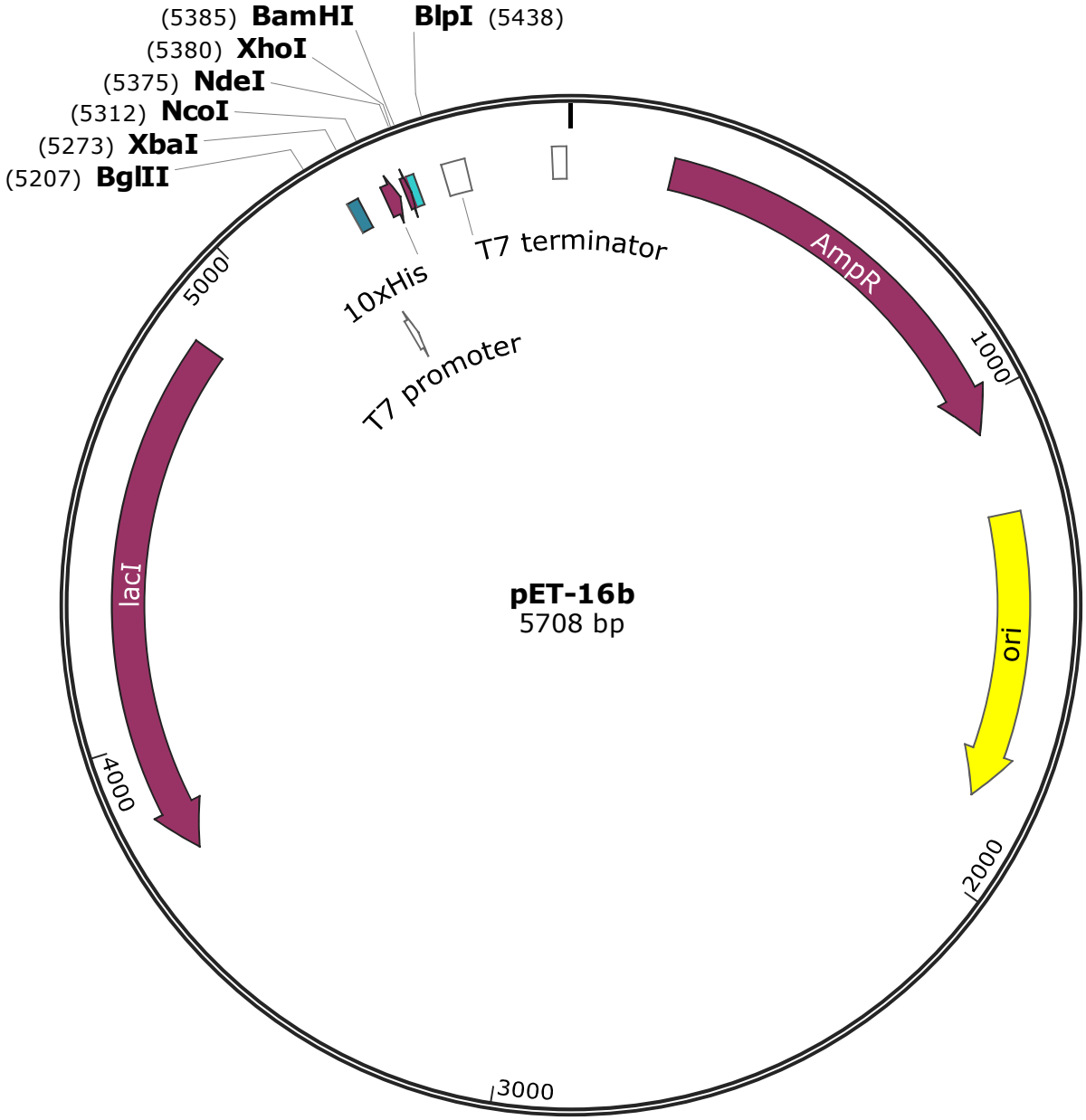
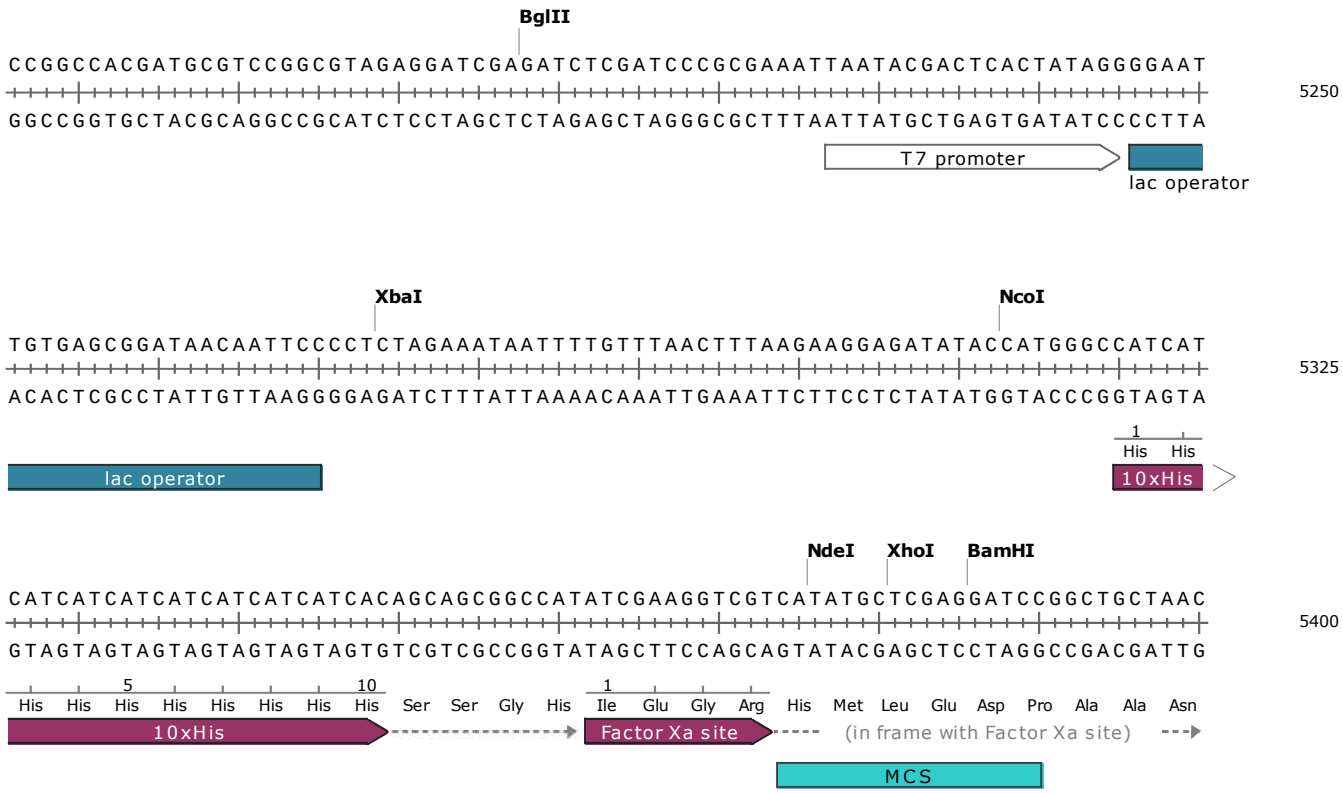

(5385) BamHI
BlpI (5438)
(5380) XhoI
(5375) NdeI
(5312) NcoI
(5273) XbaI
(5207) BglII
T7 terminator
AmpR
10xHis
T7 promoter
5000
1000
lacI
ori
pET-16b
5708 bp
4000
2000
3000


BglII
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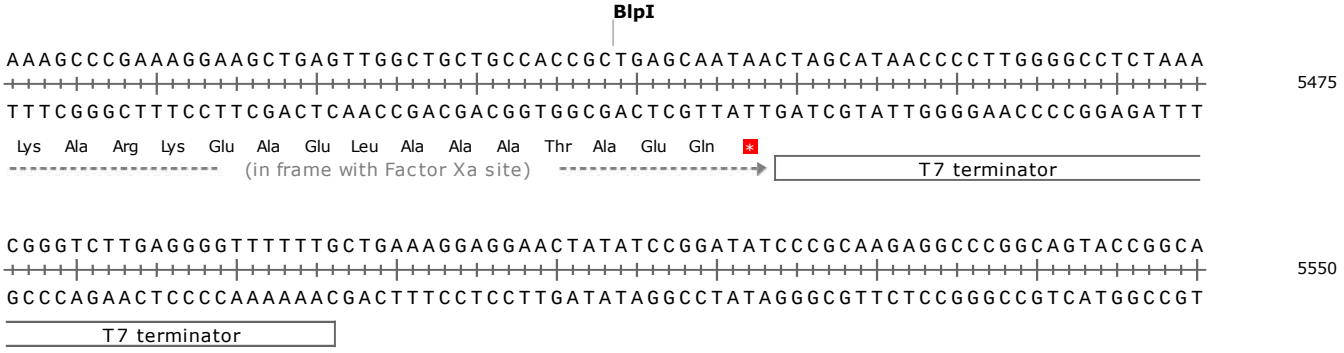
GGCCGGTGCTACGCAGGCCGCATCTCCTAGCTCTAGAGCTAGGGCGCTTTAATTATGCTGAGTGATATCCCCTTA
5250
T7 promoter
lac operator
XbaI
NcoI
TGTGAGCGGATAACAATTCCCCTCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACCATGGGCCATCAT
ACACTCGCCTATTGTTAAGGGGAGATCTTTATTAAAACAAATTGAAATTCTTCCTCTATATGGTACCCGGTAGTA
5325
1
His His
lac operator
10xHis
NdeI XhoI BamHI
CATCATCATCATCATCATCATCACAGCAGCGGCCATATCGAAGGTCGTCATATGCTCGAGGATCCGGCTGCTAAC
GTAGTAGTAGTAGTAGTAGTGTCGTCGCCGGTATAGCTTCCAGCAGTATACGAGCTCCTAGGCCGACGATTG
5400
5 10
His His His His His His His His Ser Ser Gly His
1
Ile Glu Gly Arg His Met Leu Glu Asp Pro Ala Ala Asn
10xHis
Factor Xa site
(in frame with Factor Xa site)
MCS


BlpI
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5475
TTTCGGGCTTTCCTTCGACTCAACCGACGACGGTGGCGACTCGTTATTGATCGTATTGGGGAACCCCGGAGATTT
Lys Ala Arg Lys Glu Ala Glu Leu Ala Ala Ala Thr Ala Glu Gln
(in frame with Factor Xa site)
T7 terminator

CGGGTCTTGAGGGGTTTTTTGCTGAAAGGAGGAACTATATCCGGATATCCCGCAAGAGGCCCGGCAGTACCGGCA
5550
GCCCAGAACTCCCCAAAAAACGACTTTCCTCCTTGATATAGGCCTATAGGGCGTTCTCCGGGCCGTCATGGCCGT
T7 terminator