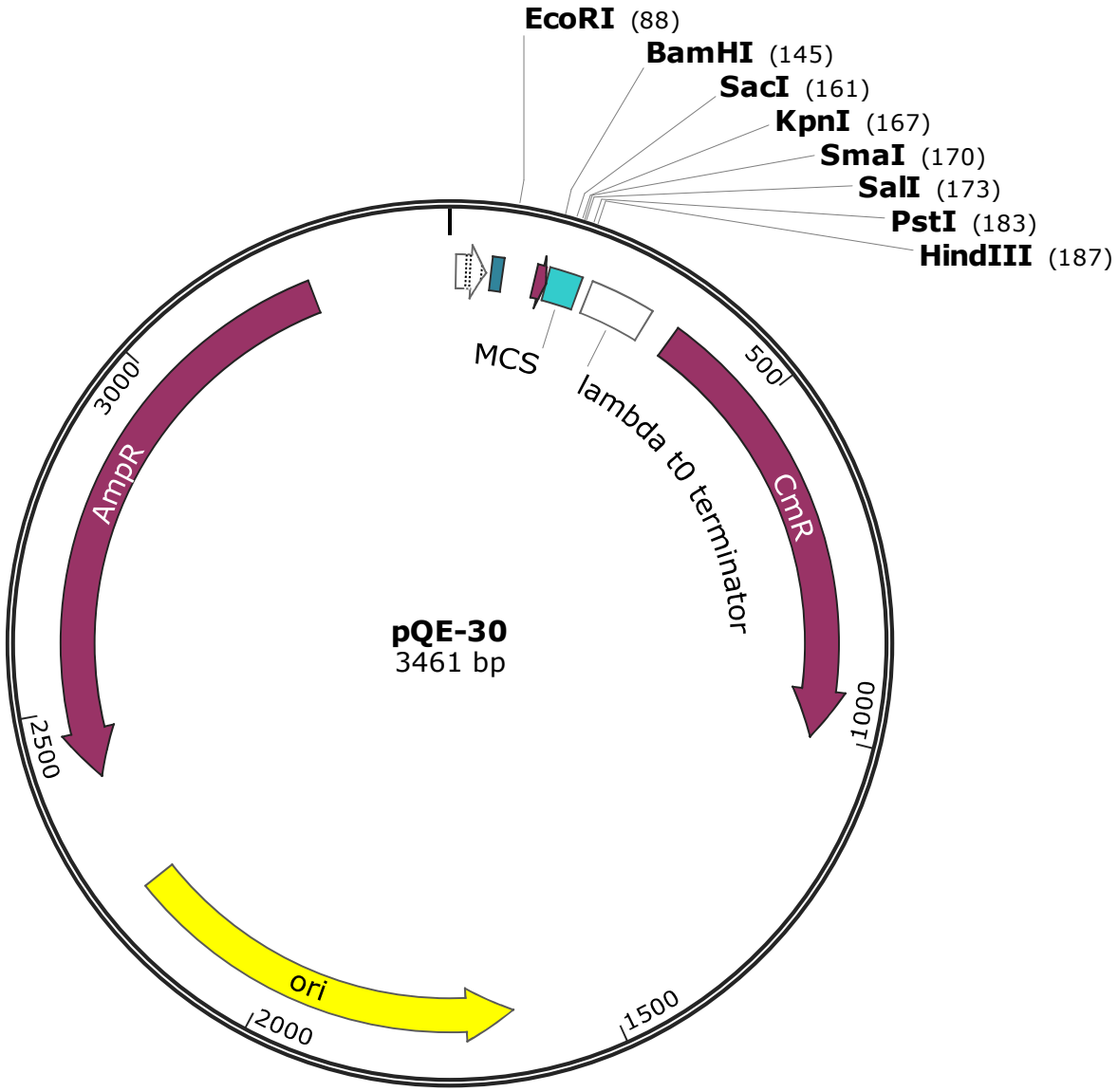
EcoRI (88)
BamHI (145)
SacI (161)
KpnI (167)
SmaI (170)
SalI (173)
PstI (183)
HindIII (187)
MCS
lambda t0 terminator
AmpR
CmR
ori
pQE-30
3461 bp
500
1000
1500
2000
2500
3000

5'
3'
CTCGAGAAATCATAAAAAATTTATTTGCTTTGTGAGCGGATAACAATTATAATAGATTCAATTGTGAGCGGATAA
GAGCTCTTTAGTATTTTTTAAATAAACGAAACACTCGCCTATTGTTAATATTATCTAAGTTAACACTCGCCTATT
75
T5 promoter
lac operator
EcoRI
BamHI
CAATTTCACACAGAATTCATTAAAGAGGAGAAATTAACTATGAGAGGATCGCATCACCATCACCATCACGGATCC
GTTAAAGTGTGTCTTAAGTAATTTCTCCTCTTTAATTGATACTCTCCTAGCGTAGTGGTAGTGGTAGTGCCTAGG
150
His His His His His His Gly Ser
6xHis
lac operator
MCS
SacI KpnI SmaI SalI PstI HindIII
GCATGCGAGCTCGGTACCCCGGGTCGACCTGCAGCCAAGCTTAATTAGCTGAGCTTGGACTCCTGTTGATAGATC
CGTACGCTCGAGCCATGGGGCCCAGCTGGACGTCGGTTCGAATTAATCGACTCGAACCTGAGGACAACTATCTAG
225
Ala Cys Glu Leu Gly Thr Pro Gly Arg Pro Ala Ala Lys Leu Asn
(in frame with 6xHis)
lambda t0 terminator
MCS

CAGTAATGACCTCAGAACTCCATCTGGATTTGTTCAGAACGCTCGGTTGCCGCCGGGCGTTTTTTATTGGTGAGA 300

GTCATTACTGGAGTCTTGAGGTAGACCTAAACAAGTCTTGCGAGCCAACGGCGGCCCGCAAAAAATAACCACTCT

lambda t0 terminator

ATCCAAGCTAGCTTGGCGAGATTTTCAGGAGCTAAGGAAGCTAAAATGGAGAAAAAAATCACTGGATATACCACC 375

TAGGTTCGATCGAACCGCTCTAAAAGTCCTCGATTCCTTCGATTTTACCTCTTTTTTTAGTGACCTATATGGTGG

lambda t0 terminator