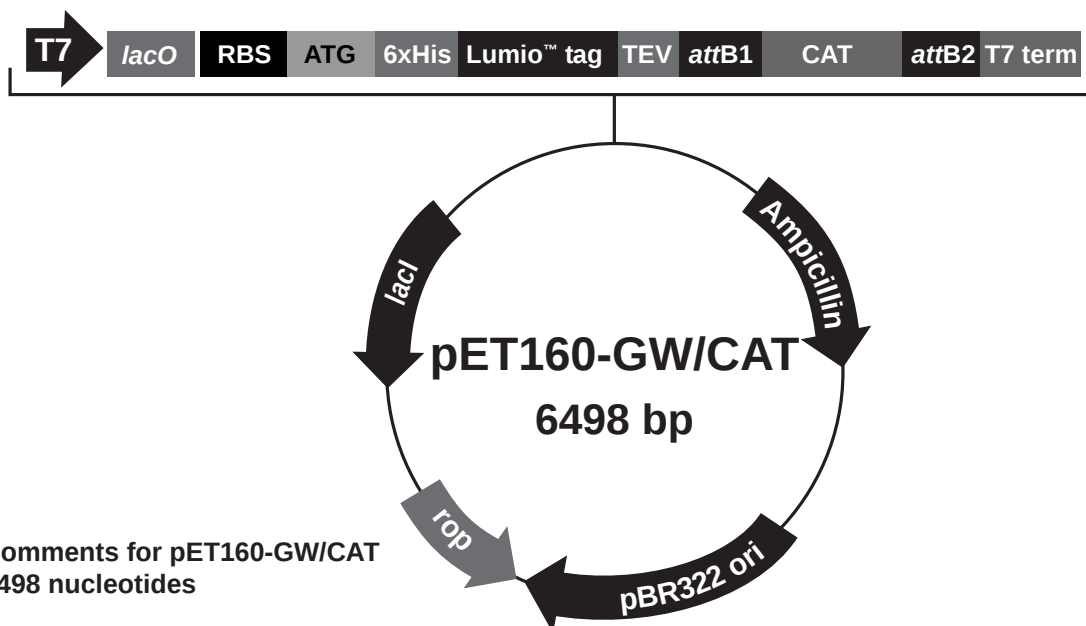




T7 promoter/priming site: bases 21-40
lac operator (*lacO*): bases 40-64
 Ribosome binding site (RBS): bases 91-101
 Initiation ATG: bases 109-111
 Polyhistidine (6xHis) region: bases 112-129
 Lumio™ tag: bases 142-159
 TEV recognition site: bases 169-189
attB1 site: bases 196-220
 CAT gene: bases 241-942
attB2 site: bases 916-940
 T7 transcription termination region: bases 966-1094
 T7 reverse priming site: bases 1005-1024
bla promoter: bases 1399-1497
 Ampicillin (*bla*) resistance gene: bases 1498-2358
 pBR322 origin: bases 2503-3176
ROP ORF (c): bases 3547-3738
lacI ORF (c): bases 5050-6141
 (c) = complementary strand