



**Comments for pET100/D-TOPO®  
5764 nucleotides**

T7 promoter: bases 209-225  
 T7 promoter priming site: bases 209-228  
 lac operator (lacO): bases 228-252  
 Ribosome binding site (RBS): bases 282-288  
 Initiation ATG: bases 297-299  
 Polyhistidine (6xHis) region: bases 309-326  
 Xpress™ epitope: bases 366-389  
 EK recognition site: bases 375-389  
 TOPO® recognition site 1: bases 396-400  
 Overhang: bases 401-404  
 TOPO® recognition site 2: bases 405-409  
 T7 reverse priming site: bases 466-485  
 T7 transcription termination region: bases 427-555  
 bla promoter: bases 856-954  
 Ampicillin (bla) resistance gene: bases 955-1815  
 pBR322 origin: bases 2022-2757  
 ROP ORF: bases 3001-3192 (complementary strand)  
 lacI ORF: bases 4507-5595 (complementary strand)