

181 TGAAATGAGC TGTTGACAAT TAATCATCCG GCTCGTATAA TGTGTGGAAT TGTGAGCGGA TAACAATTTC ACACAGGAAA
-35 -10 *lac O*

261 CAGCGCCGCT GAGAAAAAGC GAAGCGGCAC TGCTCTTTAA CAATTTATCA GACAATCTGT GTGGGCACTC GACCGGAATT
rrnB antitermination sequence

341 ATCGATTAAC TTTATTATTA AAAATTAAAG AGGTATATAT TA ATG TAT CGA TTA AAT AAG GAG GAA TAA ACC
T7 gene 10 translational enhancer region RBS pTrcHis Forward priming site Minicistron RBS *Nco I*
Met Tyr Arg Leu Asn Lys Glu Glu *** ...

413 ATG GCC CTT AAG GGC GAA TTC GAA GCT TAC GTA GAA CAA AAA CTC ATC TCA GAA GAG GAT
Initiation codon *EcoR I* *BstB I* *Hind III* *SnaB I* *myc* epitope
TAC CGG GAA TTC CCG CTT ... PCR Product
Met Ala Leu Lys Gly Glu Phe Glu Ala Tyr Val Glu Gln Lys Leu Ile Ser Glu Glu Asp

473 CTG AAT AGC GCC GTC GAC CAT CAT CAT CAT CAT CAT TGA GTTTAAACG GTCTCCAGCT TGGCTGTTTT
6xHis tag
Leu Asn Ser Ala Val Asp His His His His His His ***

541 GGCGGATGAG AGAAGATTTT CAGCCTGATA CAGATTAAT CAGAACGCAG AAGCGGTCTG ATAAAACAGA ATTTGCCTGG
pTrcHis2 Reverse priming site

621 CGGCAGTAGC GCGGTGGTCC CACCTGACCC CATGCCGAAC TCAGAAGTGA AACGCCGTAG CGCCGATGGT AGTGTGGGGT
rrnB T₁ and T₂ transcription terminators

701 CTCCCATGC GAGAGTAGGG AACTGCCAGG CATCAAATAA AACGAAAGGC TCAGTCGAAA GACTGGGCCT TTCGTTTTAT