```
          T7 promoter        transcription start                                                  Shine-Dalgarno
20   TTAATACGAC TCACTATAGG GAGACCACAA CGGTTTCCCT CTAGAAATAA TTTTGTTTAA CTTTAAGAAG GAGATATACA
     AATTATGCTG AGTGATATCC CTCTGGTGTT GCCAAAGGGA GATCTTTATT AAAACAAATT GAAATTCTTC CTCTATATGT

                                                                                147
                            6xHis tag                                           |
       Met Ser Tyr Tyr His His His His His His Leu Glu Ser Thr Ser Leu Tyr Lys Lys Ala Gly
100  T ATG TCG TAC TAC CAT CAC CAT CAC CAT CAC CTC GAA TCA ACA AGT TTG TAC AAA AAA GCA GGC
     A TAC AGC ATG ATG GTA GTG GTA GTG GTA GTG GAG CTT AGT TGT TCA AAC ATG TTT TTT CGT CCG
                                                                   attB1

                                  1830
                                  |
     TNN -------------- NACCCAGCTT TCTTGTACAA AGTGGTTGAT TCGAGGCTGC TAACAAAGCC CGAAAGGAAG
                GENE
     ANN -------------- NTGGGTCGAA AGAACATGTT TCACCAACTA AGCTCCGACG ATTGTTTCGG GCTTTAATTC
                        attB2
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