

T7 promoter/priming site
 lac operator
 RBS
 161
 attB1 site
 1844
 attB2 site
 Lumio™ tag
 6xHis tag
 T7 transcription termination region
 T7 reverse priming site

1 AGATCTCGAT CCCGCGAAAT TAATACGACT CACTATAGGG GAATTGTGAG CGGATAACAA
 61 TTCCCCTCTA GAAATAATTT TGTTTAACTT TAAGAAGGAG ATATACAT **ATG** GCT AGC
TAC CGA TCG
Met Ala Ser
 118 ATG ACT GGT GGA CAG CAA ATG GGT ATT ATG ATT ATC ACA AGT **TTG TAC**
 TAC TGA CCA CCT GTC GTT TAC CCA TAA TAC TAA TAG TGT TCA AAC ATG
 Met Thr Gly Gly Gln Gln Met Gly Ile Met Ile Ile Thr Ser Leu Tyr
 166 AAA AAA GCA GGC TNN NAC CCA GCT TTC TTG TAC AAA GTG GTG
 TTT TTT CGT CCG ANN **GENE** NTG GGT CGA AAG AAC ATG TTT CAC CAC
 Lys Lys Ala Gly Pro Ala Phe Leu Tyr Lys Val Val
 1860 ATC AAT TCG AAG CTT GAA GCT GGT GGC TGT TGT CCT GGC TGT TGC GGT
 TAG TTA AGC TTC GAA CTT CGA CCA CCG ACA ACA GGA CCG ACA ACG CCA
 Ile Asn Ser Lys Leu Glu Ala Gly Gly Cys Cys Pro Gly Cys Cys Gly
 1908 GGC GGC ACC GGT CAT CAT CAC CAT CAC CAT TGA GTTTGATCCG GCTGCTAACA
 CCG CCG TGG CCA GTA GTA GTG GTA GTG GTA ACT
 Gly Gly Thr Gly His His His His His His ***
 1961 AAGCCCGAAA GGAAGCTGAG TTGGCTGCTG CCACCGCTGA GCAATAACTA GCATAACCCC