**A.**

GTAAGTATTGCCTAATGTTGACTCTATATTCTCCTCTCCTCACCCCCTCGCGGTGCTGATTTCTGACAGATCTTCAAACACTAGTTTAAGCAAAGGACTATTCATCCGTTTATATTAGCAACAGTAGGTACTAGCACCACTAACAACAACAACAAAGCACTTCTATTTATTTATCATAAAGCTTCAACAATGGTGAGCAAGGGCGAGGAGCTGTTCACCGGGGTGGTGCCCATCCTGGTCGAGCTGGACGGCGACGTAAACGGCCACAAGTTCAGCGTGTCCGGCGAGGGCGAGGGCGATGCCACCTACGGCAAGCTGACCCTGAAGTTCATCTGCACCACCGGCAAGCTGCCCGTGCCCTGGCCCACCCTCGTGACCACCCTGACCTACGGCGTGCAGTGCTTCAGCCGCTACCCCGACCACATGAAGCAGCACGACTTCTTCAAGTCCGCCATGCCCGAAGGCTACGTCCAGGAGCGCACCATCTTCTTCAAGGACGACGGCAACTACAAGACCCGCGCCGAGGTGAAGTTCGAGGGcGACACCCTGGTGAACCGCATCGAGCTGAAGGGCATCGACTTCAAGGAGGACGGCAACATCCTGGGGCACAAGCTGGAGTACAACTACAACAGCCACAACGTCTATATCATGGCCGACAAGCAGAAGAACGGCATCAAGGTGAACTTCAAGATCCGCCACAACATCGAGGACGGCAGCGTGCAGCTCGCCGACCACTACCAGCAGAACACCCCCATCGGCGACGGCCCCGTGCTGCTGCCCGACAACCACTACCTGAGCACCCAGTCCGCCCTGAGCAAAGACCCCAACGAGAAGCGCGATCACATGGTCCTGCTGGAGTTCGTGACCGCCGCCGGGATCACTCTCGGCATGGACGAGCTGTACAAGTAAGGATCCaccgggttgtgtggccaaatttgttctgtagttgctgtgagttgacacggctagtgcttatgattttcctcgcgtgtggtgcctgtactcagccctatgccttatttgcaacacatttacgtacagcgcacaagagaagagaagatcacttgaagataataaatatagggttgtaggcatcttgtttaactcaaattttctcgtcttggtgtgtcgacatcattgaaatagtgccaccagttgtgtttgatgcgtttgttatctatgcagtattgcacagcaaggtcttctgaaattcatgttttttttttttttttactctgcattgcagtctccgct

**B.**

5’ UTR containing 24 bp (22 GC + 2 AT) hairpin in blue (Figure 5)

AGATCTTCAAACACTAGTTTAAGCAAAGGACTATTCATCCGGGCGGCGGCGGCGGCGGCGGATATCCGCCGCCGCCGCCGCCGCCCGTTTATATTAGCAACAGTAGGTACTAGCACCACTAACAACAACAACAAAGCACTTCTATTTATTTATCGAATTCATAAAGCTTCAACAATG

5’ UTR containing EcoRV site in blue (p4669)

AGATCTTCAAACACTAGTTTAAGCAAAGGACTATTCATCCGATATCATATTAGCAACAGTAGGTACTAGCACCACTAACAACAACAACAAAGCACTTCTATTTATTTATCGAATTCATAAAGCTTCAACAATG

5’ UTR containing 18 bp (16GC + 2 AT) hairpin in blue (p4841)

AGATCTTCAAACACTAGTTTAAGCAAAGGACTATTCATCCGATTCCGCCGCCGCCGCCCATATGGGCGGCGGCGGCGGATCATATTAGCAACAGTAGGTACTAGCACCACTAACAACAACAACAAAGCACTTCTATTTATTTATCGAATTCATAAAGCTTCAACAATG

5’ UTR containing 12 bp (9GC + 3 AT) hairpin in blue (p4842)

AGATCTTCAAACACTAGTTTAAGCAAAGGACTATTCATCCGATTCCGCCGCCGCCCATATCCGGCGGCGGAATCATATTAGCAACAGTAGGTACTAGCACCACTAACAACAACAACAAAGCACTTCTATTTATTTATCGAATTCATAAAGCTTCAACAATG