**IPO323\_18S**

**ncrna chromosome:MG2:7:1684914:1686712:1 gene:EFMGRG00000000027 gene\_biotype:rRNA transcript\_biotype:rRNA gene\_symbol:18s\_rRNA description:18s\_rRNA [Source:RNAMMER;Acc:18s\_rRNA]**

 1 10 20 30 40 50

 | | | | | |

 ACCTGGTTGATTCTGCCAGTAGTCATATGCTTGTCTCAAAGATTAAGCCA

 TGCATGTCTAAGTATAAGCAACTATACGGTGAAACTGCGAATGGCTCATT

 AAATCAGTTATCGTTTATTTGATAGTACCTTACTACATGGATAACCGTGG

 TAATTCTAGAGCTAATACATGCTAAAAACCTCGACTTCGGAAGGGGTGTA

 TTTATTAGATAAAAAACCAATGCCCTTCGGGGCTCCTTGGTGAATCATAA

 TAACTTCACGAATCGCATGGCCTTGCGCCGGCGATGGTTCATTCAAATTT

 CTGCCCTATCAACTTTCGATGGTAGGATAGAGGCCTACCATGGTTTCAAC

 GGGTAACGGGGAATTAGGGTTCGACTCCGGAGAGGGAGCCTGAGAAACGG

 CTACCACATCCAAGGAAGGCAGCAGGCGCGCAAATTACCCAATCCCGACA

 CGGGGAGGTAGTGACAATAAATACTGATACAGGGCTCTTTTGGGTCTTGT

 AATTGGAATGAGTACAATTTAAATCCCTTAACGAGGAACAATTGGAGGGC

 AAGTCTGGTGCCAGCAGCCGCGGTAATTCCAGCTCCAATAGCGTATATTA

 AAGTTGTTGCAGTTAAAAAGCTCGTAGTTGAACCTTGGGCCTGGCTGGCC

 GGTCCGCCTCACCGCGTGTACTGGTCCGGCCGGGCCTTTCCTTCTGGGGA

 GCCGCATGCCCTTCACTGGGCGTGTCGGGGAACCAGGACTTTTACTTTGA

 AAAAATTAGAGTGTTCAAAGCAGGCCTTTGCTCGAATACATTAGCATGGA

 ATAATAGAATAGGACGTGTGGTTCTATTTTGTTGGTTTCTAGGACCGCCG

 TAATGATTAATAGGGATAGTCGGGGGCATCCGTATTCAATTGTCAGAGGT

 GAAATTCTTGGATTTATTGAAGACGAACTACTGCGAAAGCATTTGCCAAG

 GATGTTTTCATTAATCAGTGAACGAAAGTTAGGGGATCGAAGACGATCAG

 ATACCGTCGTAGTCTTAACCATAAACTATGCCGACTAGGGATCGGTGGAT

 GTTATCTTTTTGACTCCATCGGCACCTTACGAGAAATCAAAGTTTTTGGG

 TTCTGGGGGGAGTATGGTCGCAAGGCTGAAACTTAAAGAAATTGACGGAA

 GGGCACCACCAGGCGTGGAGCCTGCGGCTTAATTTGACTCAACACGGGGA

 AACTCACCAGGTCCAGACACAAGTAGGATTGACAGATTGAGAGCTCTTTC

 TTGATTTTGTGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGTGATT

 TGTCTGCTTAATTGCGATAACGAACGAGACCTTAACCTGCTAAATAGCCA

 GGCCCGCTTTGGCGGGTCGCCGGCTTCTTAGAGGGACTATCGGCTCAAGC

 CGATGGAAGTTTGAGGCAATAACAGGTCTGTGATGCCCTTAGATGTTCTG

 GGCCGCACGCGCGCTACACTGACGGAGCCAACGAGTTCATCACCTTGGCC

 GAAAGGTCTGGGTAATCTTGTTAAACTCCGTCGTGCTGGGGATAGAGCAT

 TGCAATTATTGCTCTTCAACGAGGAATGCCTAGTAAGCGCATGTCATCAG

 CATGCGTTGATTACGTCCCTGCCCTTTGTACACACCGCCCGTCGCTACTA

 CCGATTGAATGGCTCAGTGAGGCCTTCGGACTGGCTCAGGGAGGTCGGCA

 ACGACCACCCAGAGCCGGAAAGTTGGTCAAACTCGGTCATTTAGAGGAAG

 TAAAAGTCGTAACAAGGTCTCCGTAGGTGAACCTGCGGAGGGATCATTA

**IPO323\_EF1α\_1-1309**

**dna:chromosome chromosome:MG2:4:1:2880011:1 REF**

 1 10 20 30 40 50

 | | | | | |

 ATGGGTGGATACAGTAAGGAGAAGACTCATATCAACGTCGTCGTTATCGG

 CCACGTCGACTCCGGCAAGTCGACCACCACCGGACACTTGATCTACAAGT

 GCGGTGGAATCGACAAGCGTACCATCGAGAAGTTCGAGAAGGAAGCCGCC

 GAGCTTGGCAAGGGCTCCTTCAAGTATGCCTGGGTGCTCGACAAGCTCAA

 GGCCGAGCGTGAGCGTGGTATCACCATTGATATCGCACTCTGGAAGTTCG

 AGACCCCCAAGTACTACGTAACAGTTATCGACGCCCCTGGTCACCGTGAT

 TTCATCAAGAACATGATCACTGGTACTTCCCAGGCCGATTGCGCCATTCT

 CATCATTGCCGCCGGTACTGGTGAGTTCGAGGCTGGTATCTCCAAGGATG

 GCCAGACTCGTGAGCACGCTCTCCTCGCCTACACCCTCGGTGTGAAGCAG

 CTCATCGTCGCCATCAACAAGATGGACACCACCAAGTGGTCCGAGGCTCG

 CTTTGGTGAGATCATCAAGGAGACTGCCAACTTCATCAAGAAGGTCGGCT

 ACAACCCCAAGACCGTCCCCTTCGTGCCAATCTCCGGATTCAACGGCGAC

 AACATGATCGACGTTTCCTCCAACTGCCCCTGGTACAAGGGATGGGAGAA

 GGAGACCAAGACCAAGACCACCGGCAAGACCCTACTCGAGGCCATCGATG

 CCATCGACCAGCCCGCTCGTCCTTCCGACAAGCCTCTCCGCCTTCCCCTC

 CAGGATGTGTACAAGATTGGTGGTATCGGAACAGTTCCCGTCGGCCGTGT

 CGAGACCGGTATCATCAAGGCCGGCATGGTCGTCACCTTCGCCCCCGCTG

 GTGTCACCACTGAAGTCAAGTCCGTCGAGATGCACCACGAGCAGCTCGTC

 GAGGGTGCTCCAGGTGACAACGTCGGATTCAACGTCAAGAACGTCTCCGT

 CAAGGAGATTCGTCGTGGCAACGTCGCCGGTGACTCCAAGAACGACCCGC

 CAAAGGGTTGTGACTCCTTCAACGCCCAGGTCATCGTCCTCAACCACCCC

 GGTCAGGTCGGTGCTGGATACGCCCCAGTTCTGGACTGCCACACCGCCCA

 CATCGCCTGCAAGTTCTCTGAGCTCCTCGAGAAGATCGATCGCCGTACCG

 GCAAGTCCATCGAGGACCAGCCCAAGTTCATCAAGTCTGGTGACGCCGCC

 ATCGTCAAGATGATTCCGTCCAAGCCTATGTGTGTTGAGGCCTTCACTGA

 GTACCCACCTCTCGGCCGCTTCGCCGTGCGCGACATGCGTCAAACCGTCG

 CCGTCGGTG

**IPO323\_ITS1**

**Zt internal transcribed spacer 1**

 1 10 20 30 40 50

 | | | | | |

 CCGAGCGAGGGCCTCCGGGTCCGACCTCCAACCCTTTGTGAACACATCCC

 GTTGCTTCGGGGGCGACCCTGCCGGGCGCCCCCGGAGGACCACCAAAAAA

 CACTGCATCTCTGCGTCGGAGTTTACGAGTAAATCGAAACA

**IPO323\_ITS2**

**Zt internal transcribed spacer 2**

 1 10 20 30 40 50

 | | | | | |

 CACCACTCCAGCCTCGCTGGGTATTGGGCGTCTTTTCGCGGGGGATCACT

 CCCCCGCGCGCCTCAAAGTCTCCGGCTGAGCGGTCTCGTCTCCCAGCGTT

 GTGGCATCACGTCTCGCCGCGGAGTTCACGAGCCCTCACGGCCGTTAAAT

 CACACCTCAGG

**IPO323\_RPB1**

RNA polymerase II largest subunit

 1 10 20 30 40 50

 | | | | | |

 ATGGCTACCTTCGCCCACTCGCAGGCGCCGCTGCGTACCGTGCAGGAAAT

 CCAGTTTGGTCTTTTCTCGCCCGAAGAAATCAAGAATATGAGTGTCTGTC

 ACATCGAGTATCCTGAAACAATGGACGAGCAGCGCAATCGGCCGCGCGAG

 AAGGGTCTGAATGATCCGAAGCTCGGCACCATTGACCGGAACACCATGTG

 CGCTACTTGCGGTGAAAGCCAGCAAGAGTGTCCTGGTCATTTCGGCCACA

 TCGAGCTGGCGGCTCCGGTCTTCCACGTCGGTTTCATTACCAAGATCAAG

 AAGATCCTCGAATCGGTGTGCAACAACTGCGGAAAGCTCCTGGAAGATGA

 ACGCAATCCTCAGTTTGCGCAGGCCGTGAAGATTCGGGACCCGAAGCGAA

 GATTCGAGCAAATCGCAAAGCTGTGCAAGTCAAAGATGGATTGCGCCATG

 GACGAGCCCGCTGATGCGAACGACGGCTTCGGTGAAGACCCCAAGAAGCC

 CAAGATTGCTGGTCACGGAGGCTGCGGCAATGTTCAGCCGACCATCCGAA

 AGGTTCAGCTGACGTTGACCGCGAGTACGAAGGTTGCAAAGTCCGAGGAC

 GGCAACGAGGAGGGCGGCGTGGAGAAAAAGACCATCACCCCTCAGGTTGC

 CCTCGACCTCTTCAAAAAACTTCGCGAGGAGGATCTGCATCGTCTGGGTC

 TGAATGTCGACTACGCTCGACCGGAGTGGATGATCATGACAGTCCTGCCC

 GTTCCTCCCCCGGCTGTGCGCCCGAGTATCTCGGTTGATGGCACAAGCCA

 GGGTATGCGTTCAGAAGACGACTTGACATACAAGTTGTCTGACATCATTC

 GCGCAAACTCCAACGTCCGACGTTGTGAGCAGGAGGGCTTGCCAGCACAC

 GTTCGCGAGGAGTTTTTCGGTCTACTCCAATACCACGTTGCCACCTATAT

 GGACAACGACATCGCTGGGCTGCCTCGGTCGATTCAAAAGAGTGGGCGCC

 CTCTCAAGGCGATTCGCGCACGCCTGAAGTCCAAGGAGGGGCGTCTTCGA

 GGTAACTTGATGGGCAAGCGTGTGGACTTTTCTGCTCGAACCGTGATCAC

 CGGTGACCCCAACCTAGATCTCGATCAAGTTGGAGTGCCTAGGTCGACCG

 CTCGAGTCTTGACCTTTCCGGAGCGCGTCACAGTCTACAACATCCACAAG

 ATGCAAGAACTTGTTCGCAATGGACCGGACCAGCACCCCGGGGCTAAGCA

 CGTCATCCGCGAGGATGGCTCTCGTATCGACTTGCGATACCACAAGCGTG

 CGGGTGAGATTCAGCTCCAGCTCGGCTGGATTGTCGAGCGACACATCGTT

 GATGGAGATTACATCATCTTCAATCGACAGCCGTCGCTGCACAAGGAGTC

 CATGATGGGTCATCGAGTCAAGGTCATGCCTTACTCCACCTTCCGCATGA

 ATCTCTCAGTCACATCGCCATACAACGCCGACTTTGACGGTGACGAGATG

 AACTTGCACGTGCCCCAAGGACACGAGACCCGCGCGGAGGTCGCCAATCT

 CTGCGCCGTGCCACACAACATCGTCTCTCCGCAGAAGAACGGACCTCTGA

 TGGGTATTGTGCAAGATACCATGGCTGGCTGCTGGATGATGACGAAGAAA

 GATGTCATGATCGACTACCAAGAGCTGATGAACATTCTGCTATGGGTGCC

 TTCGTGGGATGGTGTAGTTCCGCCTCCCGCCATCATCAAGCCACAGCCTC

 GATGGACTGGCAAGCAAGTGGCATCGCTCTTCTTCCCCCCTGGTCTCAAC

 TACTTCATGCCCGCATCCAAGAACGACGACAACCCGCACGAGGAGAAGAA

 GGAGATTCTCGTCCAGAATGGCGAGATCATGTGGGGCCGAATCTGGAAGC

 AGGTGGTTGGTGCTTCGCAGAGTGGTGTTGTTCACTACATCTTCAACGAT

 CGCGGTCCCGAGGCAGCGGTCGAGTTCTTCAGCGGGTGCCAGCGCATTGT

 CTGCCACTGGATGCTTCATCACGGCTTCAGTGTAGGCATCGGTGACACCA

 TCCCGGATGATCACATGGTGGGCGAGATCGAAGGCGCCATTGTCGAAGAG

 AAGCTTCAAGTCGACAAATACGTGGAACAGGTGCAGTCAGACGCCATGGA

 GACACTGCCTGGTATGACAATCCGCGAGACTTTCGAGTCGCAGACCAAGG

 CTGCCCTCGACAATGCTCGAAACAAGGCTGGTGACGCAGCTTTCGCCCTG

 ATGAAGTCGTGCAACAATGTCGGAGTCATGGTCAACTCGGGCTCCAAGGG

 TTCCAGCACGAACGTCTCCCAGATGACCGCCGCAGTGGGACAGCAGTCTC

 TCGAGGGCAAGCGATTGCCGTTCGGCTTCAAATACCGTGTGTTGCCCCAT

 TTTCCAAAGGACGATTACTCGCCGGCATCACGAGGATTTGTCGAGAATTC

 TTATCTTCGTGGCCTCACCCCCCAGGAGTTCTTCTTCCACGCCATGGGTG

 GTCGAGAAGGTCTGATTGATACCGCTGTCAAGACTGCCGAGACTGGATAC

 ATTCAGCGTCGTCTTGTCAAGGCGCTGGAGGAGATCATGATCAAGTACGA

 TGGCACCGTTCGAAACTCGCTCGGCGACATCCTGCAATTCACGTACGGAG

 AAGACGGTCTCGATGCGACATACATCGAGTCCCAGCACATCAACACGATC

 GCCTCCTCGCACGGGCAGTTTGATCGCAAGTACAAAATCGACGTCATCAG

 CCAGAACAAGGAATTCGCGCTGACTCCTGCCAACCTGGAAATGGCTGCCG

 AGCTCATTGGCGATGTCGAAATCCAGCAGCTGTTCGACCAAGAGTACGAG

 GCCATCAGCAATGACAGGCAGAAGATTCGAAATGGTCTTGACGATCCTGA

 AGAGAAGCGCTACTTGCCACTGAACATCAATCGTATGATTCAGAACGCGC

 GGAATAAGTTCAAGATCAACGATAACAGCAAGAGCGACCTTGACCCACGG

 GAGACCATTCCCAAGATTCAAGCCTTGCTCGACCGCCTCATCGTCATTCG

 CGGTGACGACTCCTTGTCTCAGGAGGCAGACATGAACGCCACACTTTTGT

 GCAAGGCCATGTTCCGCTCTCGCTTGGCATTCAAGCGTCTGGTCAAGGAA

 GATAAGCTCAACAAGCTTGCGCTTGACAATGTCCTTGGCGATCTTGAGAA

 CAGATTCCTGCGTGCTCTTGTCAACCCTGGTGAGATGGTGGGTGTTCTCG

 CAGCTCAGTCGATTGGCGAACCCGCTACGCAAATGACGCTCAACACTTTC

 CATTTGGCTGGTGTGACTGCAAAGACTACAACCAAGGGTGTGCCTCGTCT

 CAAAGAAATTCTCAACGTTGCCGAGAACATCAAGACGCCCAACATGAAAG

 TGTTCCAGGATCCAGCGCACGGTCTCACGCAGGAAGGAGCCAAGAATCTT

 CGGTCCATGATCGAGCACACCAGTCTGCGCAACGTCACGGACGTCACTGA

 GATCTACTATGATCCAGTCATCGAAGACACTGTCATTCAAGCTGACCACG

 ACATGGTTGAGTCGTACTTTATCATTCCGGAAGAGAGCGAGCGGCCTGAA

 TTGCAGAGCAAGTGGTTGCTCCGTATTGTGCTTGGTCGTCGCCAGCTTCT

 CGATAAGGGCTTGACTGTGACCAATGTGGCCGACAAGATCAAGGAGGTTT

 TCGGCGGAGATGTTGCGGTCATCTTCTCCGATGACAACGCCGATGAGCAA

 GTCATCCGTGTTCGCATGATCACTGGCGGACGCGACAAGGAGAATGAGTC

 CGAAGAGGAGCAAGAAGACACCCTCAAGCGCCTTGAGGGACACATGCTGG

 ACACTGTCGTGCTTCGTGGAGTGTCCGGCGTCAAGCGTGCTTTCGTCTCG

 AACGAAGCGAGAATGATCACAATCGAAGATGGCTCGCTTGTCAAGAGCAA

 CAGCGTCGAGGCATGCAAGGAGTGGCTCCTCGACACTGATGGTGTGAACC

 TCAAGGACGTCTTGGCAGTTGAGGGCGTTGATTCCACCCGCACGACTTGC

 AATCACTTCCAGACCATCATGAAGGTGTTTGGTATTGAGGGTGTTCGGGC

 ATCGTTGATCAAGGAGTTCAAGGATGTGCTGACCAACGACGGTTCCTACG

 TCAACCACCGCCACATGGCCATCCTCTGTGATGTGATGTGTGCGCGAGGA

 GAGCTGATGGCTGTCACTCGACATGGTATCAACCGTGCCGACACTGGCGC

 GCTGATGCGTTGTTCTTTCGAAGAGACTGTCGAGATCTTGTTTGACGCTG

 CCTCATCTGGCGAGCTCGACGACTGCCGCGGTGTGTCCGAGAACATCATT

 CTGGGACAACTTGCGCCCAGCGGTACTGGAGAATTCGACATGCTCCTCGA

 CACGGAGATGCTCAAGTCAGTCGCACCAACTCAGCGTGCTATGCATTCTG

 GTATCGGTGTCGGTGCTGGCTCTCCCGAGGGCGCCATGACGCCTTACGAC

 ATCGGCTCGCCTTTGGCAGACGGCGGTTACGCAGGTCCTGACTACGGAGC

 CAGCTTCTCACCTATCATCAACCCTGGTCAGGACGAGGGTGGTGGCCTCA

 CTGCTTACGGCGGCGGCTTCGATGGTGGTATGAGCCCGTACCGCGGCGGC

 ATGAGCCCTGGCTATGCTCCCACGAGTCCGTTCAACAGTGGAGGCTTTTC

 GCCCACTTCGCCTGCCTATGGCTACTCTCCCACCTCTCCTGGCATGGCTG

 GATACTCGCCGACCTCTCCTGGCCAAGGCATGACCAGCCCGGCGTATCAA

 GTCACATCTCCCCAGTTCTCACCCGCGAGCCCAGCCTATACGCCAACATC

 ACCGACGTATTCGCCCACATCGCCAGCATACAGCGGTGGCAGCAAGATTT

 CTCCCACATCGCCATCCTACTCACCGACATCGCCGTCGTACTCCCCAACC

 TCTCCCTCATACTCTCCTACATCACCCAACTACAGCCCGACCTCACCTGC

 GCATGCCCCTGGCAGCGCTACCTCTCCGAAGTACTCCCCAACTTCACCGA

 CGTACAGTCCGACGTCACCCGCATACAGCCCGACGTCGCCGACTTACTCG

 CCGACAAGTCCGAAGTATGGTAGCGGTGTTGGCGCGAGCGGTGCCTCGCC

 GACTTCGCCGACATACAGCCCAACATCGCCGGTGTACAGCCCGACCAGCC

 CTGCTCAGAATGGGTACTCACCAACCTCGCCCGGGCAGAAGCAGAGCCCG

 ACGAGCCCGCAGTACAGCCCAACCAGCCCGCAATACTCTCCGAACTCGCC

 GCAAGATAACTCAGGATCGTGA

**IPO323\_RPB2**

RNA polymerase II second largest subunit

 1 10 20 30 40 50

 | | | | | |

 ATGGGCGACTTCGGTGGAGATGCGATGATGGCGGAGGAGGAAGGCACGTG

 GGACGACAGCACCATGATCACGGCCGAGGATTGCTGGACGGTTATCCACT

 CTTTCTTCGATGAAAAGGGTCTGGTCTCCCAGCAATTGGACTCGTTCGAT

 GAATTCGCTAGCACGACAATGCAGCAGATCGTGGACGACCAGCCAGCGAT

 TGTGATTGATCAGAACCTGGCTGGACTGGACGAAGAAAGCGGTATGCCGA

 TCGTGAAGAAGCGCTCGAGTATCAAGCTCGGGACTCTTACGGTCAGCCAA

 GCAGCCATGACCGAGGGCGACGGTAGCACGAGGGCCATGCACCCTCACGA

 GGCTCGTCTACGGAATTTGACTTATTCATCACCCATGTTCATCAAGCTGG

 AGAAGACAACACAACTGGCGCGAGAAAGAGCACTGGGTGGACACTACGAC

 GAGGATCAGGGCATGTGGGTAGCGCCACCGAACTGGGACGGCACAGTGGA

 GACGGTCTGGGAGGAAGACCCCGACAATCCCAAGCAGGCTATCGATCAAG

 TCTTCATTGGAAAGCTGCCAGTCATGCTGAAGTCGAAGATCTGCGCATTG

 AGGAATCGAAGCGAAGCAGAGCTTTATGCTTTCCAAGAATGCCCATTCGA

 TCAGGGAGGATATTTCATCATCAACGGTAGTGAGAAGGTGTTGATCGCAC

 AAGAGCGGAGTGCTGCAAACATCGTTCAGGTTTTCCGAAAGAAGGGCACA

 AACACACCGGTTGTGGCGGAGCTGCGAAGTGCCGTCGAGCGAGGAACACG

 CTTGATCAGCTCGATGCAGGTCAAGCTCTGCAATCAAGCAGTGGCAGCTC

 AGCATTCTGGACAGACCATTAAAGTCTCCCTCCCATACATCAGGGCCGAT

 GTGCCCATCGCTATTGTTTTCCGTGCGATGGGTGTAGTTTCCGACGAGGA

 TATCCTGGCACATATCTGTCCAGAGGAGGATACACAAATGCGAGAGAAGC

 TCAAGCCTTGTTTGGAAGAGGCATTCGTGATTCAGGACCATGACGTCGCG

 CTGGATCATATTGGAAGACGTGGACAGCAGCAGGGCACCAAGGATCGCCG

 TATCCGATACGCACGAGATATCATGCAAAAGGAGTTCTTGCCTCACATCT

 CGCAAGAAGAGGGCAGTGAGACGAAGAAGGCGTTCTTCCTGGGATACATG

 GTCAATCGCATGCTTCAGTGTGCGCTTGGACGGACTGAGGAAGACGATCG

 TGATCATTTCGGAAAGAAGCGTCTCGATTTGGCAGGACCTTTGATGGCGC

 AGGTTTTCCGTTTGAAGTTCCAACAGTTGGTGAAGGACATGAGGCAGTAC

 CTCCACCGATGCGTGGAGACTGGTAAGGACTTCAACATTGCGCTCGCGGT

 CAAGACAAATATCATCACATCGGGTTTGCGATACTGCCTGGCGACTGGAA

 ATTGGGGTGACCAAAAGAAGGCCGCAAGCGCAAAAGCTGGTGTGAGTCAA

 GTGCTGAACAGATACACCTACGCCTCGACCTTGAGTCATTTGCGGCGAAC

 GAACACCCCCATCGGTCGTGACGGCAAGATTGCGAAGCCGAGACAACTGC

 ACAACACTCACTGGGGTCTCGTCTGCCCGGCCGAAACGCCCGAAGGACAA

 GCTTGTGGTCTGGTAAAGAACTTGTCTCTGATGTGCTATGTAACCGTTGG

 AACGCCCGGCGAGCCTATCGTTGACTTCATGCGGCAACGTGGAATGGACC

 TTCTCGAGGAACACGATCCGAACCAGGTCAAGGATGCGACCAAGGTCTTC

 CTGAACGGTACCTGGGTGGGTGTACACAAAAGTGCCGGACAGCTCACAGA

 GACTTTACGGCAACTCCGACGAAAGGGTCTTCTCAGTTTCGAAGTCACCA

 TCATTCGAGACGTGCGCGAGCGCGAAATTCGAGTCTTCACAGACGCTGGA

 CGTGTCTGCCGGCCTCTTTTCGTGGTGGACAACAACCCCAAATCATTGGA

 GCCGGGCACTCTTATGCTGAAACAAGATCATGTTGAGAGACTTCACCAAG

 ATCAAGAACTTCTCGCCTCGCTTGAAGGCGTTAGTGAAGAAGATCGCGAG

 CAGCAGCTCTTCGGTTGGAAGGGTCTGGTCACCAGCGGAGTGGTCGAGTA

 CCTTGACGCTGAGGAAGAAGAAGTCGCCATGATCATCATGACGCCTGAGG

 ATCTTGAAGAGCACAGAGTCATGCGCAATGGCATGGCCGTCGAGGAACTC

 AAGGTCGACCCGCATCGACGGATCAAGCCGAAACCGAACCCACAAGTCCG

 GACATACACACATTGCGAGATTCATCCTGCGATGATTCTGGGCATTTGTG

 CCAGCATCATCCCCTTCCCAGATCACAACCAGAGTCCTCGCAACACGTAT

 CAGGCAACCATGGGTGTCACGTTGACAAACTACAACGTACGAATGGATAC

 CATGGCAAATGTCCTCTACTATCCACAAAAACCTCTTGCAACCACACGAA

 GTATGGAGTTCTTAAAGTTTCGAGACTTGCCCGCCGGCCAGAATGCCATT

 GTGGCGATTGCTTGCTACTCCGGTTACAACCAGGAAGATTCCGTGATCAT

 GAACCAAAGCAGTATCGATCGTGGTCTCTTCAGATCGCTGTTCTACCGCG

 CGTACATGGACCAGGAGAAGCGCGTGGGCATGAGTGTGGTCGAGTCCTTC

 GAGAAGCCCACCCGATCGGATACCATGCGCATGCAACACGGCACATACGA

 CAAGCTAGACGAAGACGGCATCATCAGTCCTGGTGCTCGTGTATCCGGTA

 CTGACATCCTTATCGGAAAGACCGCGCCTATGCCTCCAGATGCCGAGGAG

 CTCGGACAGAGAACGAAACTCCACGTCAAGCGCGATGTCAGCACACCCTT

 GAGATCGACTGAGAACGGTGTGGTCGACCAAGTACTTCTCACAACCAACA

 CCGAAGGTCTGCGATTCGTCAAGGTCCGAACACGAGTCACGAAAGTGCCA

 CAAATCGGAGACAAGTTCGCCTCTCGTCACGGACAAAAGGGTACCATCGG

 TATCACCTACCGCCAAGAAGACATGCCTTTCTCCGCAGATGGTCTCACAC

 CCGACATCATCATCAATCCCCACGCCATTCCCTCCCGTATGACAATCGCC

 CATTTGATCGAGTGTCTCCTCTCCAAGGTCGGCGCCCTCCAAGGCCAAGA

 AGGTGACGCCACACCTTTCACCGAAGTCACTGTCACCTCCATCTCTGAGA

 TCCTGAAGTCCAACGGCTTCCAACAGCGTGGATTCGAAGTCATGTACAAT

 GGCCACACCGGCAAGAAATTGAATGCGCAGGTCTTCCTCGGTCCGACATA

 CTACCAACGTCTACGCCACATGGTCGACGACAAAATCCACGCTCGTGCCC

 GTGGACCGCTACAGATCCTGACCCGACAACCTGTGGAAGGTCGCGCGAGA

 GACGGTGGCCTGCGTTTCGGAGAGATGGAGCGCGATTGCATGATCGCCCA

 TGGCGCCAGCGCCTTCCTCAAGGAGCGACTCCTGGACGTGTCGGATGCCT

 TTCGCGTGCACATCTGTGAGCTGTGTGGTCTCATGACGCCCATTGCGAGT

 ATCAAGAAACAGCAGTTTGAATGTCGTCCATGCAAGAACAAGACGAAGAT

 TGCGCAGATCATCATTCCGTATGCAGCGAAATTGCTGTTCCAGGAGTTGG

 CGGCGATGAATGTGGCGACGAGGATGTTCACGACGAGGAGTGGGGTTAGC

 ATTCGGTAG

