**Sequences and structures**

*Note: Calculations in the lecture notes were performed using the default physical model for NUPACK 3.*

*For RNA:*

**A screenshot of a web page

Description automatically generated**

*For DNA:*

**A screenshot of a computer

Description automatically generated**

**Lecture L3**

**Slide 15:**

CUGUAUUGUUGUAUAGCCCGUGUGGUAAUAUGG

**Lecture L4**

**Slide 10:**

GAGUUUGAUCAUGGCUCAAAUUGAACGCUGGCGGCAGGCCUAACACAUGCAAGUCGAACGGUAACAGGAAGCAGCUUGCUGCUUUGCUGACGAGUGGCGGACGGGUGAGUAAUGUCUGGGAAACUGCCCGGUGGAGGGGGAUAACUACUGGGAACGGUAGCUAAUACCGCAUAACGUCGCAAGACCAAAGAGGGGGACCUUCGGGCCUCUUGCCACCGGAUGUGCCCAGAUGGGAUUAGCUUGUUGGUGAGGUAACGGCUCACCAAGGCGACGAUCCCUAGCUGGUCUGAGAGGAUGACCAGCCACACUGGAACUGAGACACGGUCCAGACUCCUACGGGAGGCAGCAGUGGGGAAUAUUGCACAAUGGGCGCAAGCCUGAUGCAGCCAUGCCGCGUGUAUGAAGAAGGCCUUCGGGUUGUAAAGUACUUUCAGCGGGGAGGAAGGGAUUGUGGUUAAUAACCGCAGUCAUUGACGUUACCCGCAGAAGAAGCACCGGCUAACUCCGUGCCAGCAGCCGCGGUAAUACGGAGGGUGCAAGCGUUAAUCGGAAUUACUGGGCGUAAAGCGCACGCAGGCGGUCUGUCAAGUCGGAUGUGAAAUCCCCGGGCUCAACCUGGGAACUGCAUUCGAAACUGGCAGGCUUGAGUCUCGUAGAGGGGGGGGGAAUUCCAGGUGUAGCGGUGAAAUGCGUAGAGAUCUGGAGGAAUACCGGUGGCGAAGGCGGCCCCCUGGACGAAGACUGACGCUCAGGUGCGAAAGCGUGGGGAGCAAACAGGAUUAGAUACCCUGGUAGUCCACGCCGUAAACGAUGUCUACUUGGAGGUUGUGCCCCUGAGGCGUGGCUUCCGGAGCUAACGCGUUAAGUAGACCGCCUGGGGAGUACGGCCGCAAGGUUAAAACUCAAAUGAAUUGACGGGGGCCCGCACAAGCGGUGGAGCAUGUGGUUUAAUUCGAUGCAACGCGAAGACCCUUACCUGGUCUUGACAUCCAGAGAACUUUCCAGAGAUGGAUUGGUGCCUUCGGGAACUCUGAGACAGGUGCUGCAUGGCUGUCGUCAGCUCGUGUUGUGAAAUGUUGGGUUAAGUCCCGCAACGAGCGCAACCCUUAUCCUUUGUUGCCAGCGGUCCGGCCGGGAACUCAAAGGAGACUGCCAGUGAUAAACUGGAGGAAGGUGGGGAUGACGUCAAGUCAUCAUGGCCCUUACGACCAGGGCUACACACGUGCUACAAUGGCAUAUACAAAGAGAAGCGACCUCGCGAGAGCAAGCGGACCUCAUAAAGUAUGUCGUAGUCCGGAUUGGAGUCUGCAACUCGACUCCAUGAAGUCGGAAUCGCUAGUAAUCGUGGAUCAGAAUGCCACGGUGAAUACGUUCCCGGGCCUUGUACACACCGCCCGUCACACCAUGGGAGUGGGUUGCAAAAGAAGUAGGUAGCUUAACCUCCGGGAGGGCGCUUACCACUUUGUGAUUCAUGACUGGGGUGAAGUCGUAACAAGGUAACCGUAGGGGAACCUGCGGUUGGAUCACCUCCUUA

**Slide 11:**

GCCGAAGCTCACACATGCAGGCCTTGGACCAATGCCCCTGCAGTGAGCTTC

**Slide 12:**

GGGCGTCGCCTGACAGAGTCGCATTATACAGCCCCACGACTCCAGGCGACG

**Lecture L5**

**Slide 9:**

(((...((((...))))..((((...))))...)))

**Slide 10:**

((((...((((...))))..((((...))))...))))

**Slide 20:**

......((((((((............))))))))((((((((.....(((((((((((.((((((..((((((..(((((((((...((((((((((........................)))))))))))))))))))....)))))).))))))(((((((........))))))).....)))))))))))))))))))..(((((((.....(((((((.......(((((((((......((((((((((.......(((((((((..............)))))))))))))))))))...)))))))))))))))))))))))(((((((((..........((((((((......................)))))))))))))))))...

**Lecture L6**

**Slides 21, 22, 24, 26:**

A: CGGACCATGTACTTAGTAAGCTAGACGGAATG

B: CATTCCGTCTAGCTTACTTTGATTCGCAGGCTCTATCGTCAG

C: CTGACGATAGAGCCTGCGAATCTTGTACATGGTCCG

**Lecture L7**

**Demos for Slides 3 and 6:**

..((((((((..((((((((((((...+))))))(((.........)))((((((..+.))))))))))))..((((((((..+.)))))))))))))))).

**Demo for Slide 20:**

structure1 = ......((((((((((((((((((((((....))))))))))........+..))))))))))))........((((((((((....))))))))))....

structure2 = ((((((((......)))))))).....((((((((((((((.........+.....))))))))))))))(((((((((........))))))))).....