```
TME 2.1
                                                                                                                 sequences = readFasta("Sequence_by_Peaks_3.fasta")
getTopMotifs(removeLowComplexe(searchMotifs(k,sequences)), top)
                                                                                                            'TCCCCCCC': 15, 'ATTTGTAT': 13,
'TATTGTAT': 12, 'TTTCTTTT': 12,
                                                                                                            'TTCCCCCC': 11, 'CGATGAGC': 11,
                                                                                                            'TATTTGTA': 11, 'CTCATTGG': 11,
                                                                                                            'CTGATTGG': 11, 'CTTCCCCC': 10,
                                                                                                            'CTCCCCCC': 10,
TME 2.2
                                                                                                                 bestMotif,\ bestDistance,\ motifDist = MedianStringSearch(kmersValid,\ sequences[0:3],\ k) \\ print\ (bestMotif,\ bestDistance)
                                                                                                           GGCACCGA 1
                                                                                                                     def readFasta(genome, n):
TME 3.1
                                                                                                                        readrasta(genome, n):
sequence = []
file = open(genome, "r")
sequence = []
for s in file:
    if s[0] != ">":
                                                                                                                        sequence.append(s.strip().upper())
sequenceStr = "".join(sequence)
                                                                                                                       nsequence = [sequencestr]:i+n] for i in range(0, len(sequenceStr), n)]
sequenceRet = [x for x in sequence if x]
return sequenceRet
                                                                                                                   sequencesChip = readFasta(genome, n)
t = len(sequencesChip)
print (sequencesChip(B), t, k)
revSequences = [reverseComplement(m) for m in sequencesChip]
sequencesChip = sequencesChip + revSequences
sequencesRet = [x for x in sequencesChip if len(x) == n]
s, consensus = GreedyProfileMotifSearchIte(sequencesRet, k, 20)
printTopFMotifsScore(consensus, 10)
                                                                                                                CTGATCAGCA 4616 8
AATATTTA
AATAAATT
AATAAATT
                                                                                                           AATATTTA AATAAATT AATAAATT AAAATATA
                                                                                                           AAATTATT TAAATTAT AATTATTT ATAATTTA
                                                                                                           AAATATTA TAAAATTT
TME 3.2
                                                                                                           Sevag le fait
TME 4
LOGO:
                                                                                                              GONGTI
("GTATIT": 38, "TCATIT": 37, "GAMATT": 27, "GCTATT": 26, "AAMGTT": 26, "GCMAM": 22, "GTAGTT": 21, "TCTGTT": 21, "GAMGTT": 28, "GCMAM":
                                                                                                           'GTATTT': 38, 'TCATTT': 37, 'GAAATT': 27, 'GCTATT': 26, 'AAAGTT': 26,
https://weblogo.berkeley.edu/cache/file21eJOC.
png
                                                                                                           'GCAGAG': 22, 'GTAGTT': 21, 'TCTGTT': 21, 'GAAGTT': 20, 'GCAGAA': 20,
                                                                                                            'GCATTT': 19, 'TCAATT': 19, 'ACAGTT':19,
```