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 CSE 427 Au 17 Assignment #3

Please refer to **output_logs.txt** for output logs of the data requested.

What can be learned about the first 10 hits having length at least 50 nucleotides:

1. The algorithm converged after the 4th iteration, so the first 10 hits having length at least 50 nucleotides stayed the same for the following iterations.
2. Overlapping results from genome annotation
 - a. Start: 97326, End: 97541, Length: 216
 - i. tRNA complement(join(97426..97464,97500..97537))
 - b. Start: 97627, End: 97823, Length: 197
 - i. tRNA 97629..97716
 - c. Start: 111764, End: 111856, Length: 93
 - i. tRNA 111768..111852
 - d. Start: 118079, End: 118179, Length: 101
 - i. None overlapping
 - e. Start: 138345, End: 138419, Length: 75
 - i. tRNA complement(138344..138419)
 - f. Start: 154610, End: 157697, Length: 3088
 - i. rRNA complement(154662..157639)
 - g. Start: 157782, End: 159591, Length: 1810
 - i. tRNA complement(157847..157919) and rRNA complement(157984..159463)
 - h. Start: 186974, End: 187067, Length: 94
 - i. tRNA 186978..187066
 - i. Start: 190831, End: 190907, Length: 77
 - i. tRNA 190832..190908
 - j. Start: 215200, End: 215296, Length: 97
 - i. tRNA 215210..215297