

1)

/Users/shayanaryania/MUMmer3.23/run-mummer3 /Users/shayanaryania/Desktop/HW3/wga/MUMmer\_input/H\_pylori26695\_Eslice.fasta /Users/shayanaryania/Desktop/HW3/wga/MUMmer\_input/H\_pyloriJ99\_Eslice.fasta mummer3

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shayanaryania@Shayans-MBP ~ % /Users/shayanaryania/MUMmer3.23/run-mummer3 /Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pylori26695_Eslice.fasta /Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pyloriJ99_Eslice.fasta mummer3
Find MUMs
# reading input file "/Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pylori26695_Eslice.fasta" of length 275287
# construct suffix tree for sequence of length 275287
# (maximum reference length is 536870908)
# (maximum query length is 4294967295)
# process 2752 characters per dot
#.....
#.....
# CONSTRUCTIONTIME /Users/shayanaryania/MUMmer3.23/mummer /Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pylori26695_Eslice.fasta 0.04
# reading input file "/Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pyloriJ99_Eslice.fasta" of length 265111
# matching query-file "/Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pyloriJ99_Eslice.fasta"
# against subject-file "/Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pylori26695_Eslice.fasta"
# COMPLETETIME /Users/shayanaryania/MUMmer3.23/mummer /Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pylori26695_Eslice.fasta 0.13
# SPACE /Users/shayanaryania/MUMmer3.23/mummer /Users/shayanaryania/Desktop/HW3/wga/MUMmer_input/H_pylori26695_Eslice.fasta 0.52
Determine gaps
Align gaps
      Ref len = 275287
      acgt's = 275278
      Non acgt's = 9
      Number of matches = 50
      Sum of match bases = 240560
      Avg match bases = 4811
shayanaryania@Shayans-MBP ~ %
```

از دسترهای زیر برای گرفتن پلات استفاده کردم ولی هیچکدام خروجی ندادند

perl -i -pe 's/defined \(%/\'/Users/shayanaryania/MUMmer3.23/mummerplot -p /Users/shayanaryania/mummer3.out --png 1.out

/Users/shayanaryania/MUMmer3.23/mummerplot -p /Users/shayanaryania/mummer3.out --png prefix.out

