Comparative Genomics 2018

Practical 4: Phylogenomics

Group number: 6

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**Summary**

**Key Questions to Answer**

ex.2

tree for metagenome:

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(

03/1-2733:0.708,

09/1-3952:0.708)

0.000:0.052,

20/1-3244:0.760)

0.000:0.038,

51/1-5275:0.798)

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ex3

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(

03.fa.txt\_orf02022

/1-375:1.776,

09.fa.txt\_orf03823\_rev

/1-300:1.776)

94:0.798,

20.fa.txt\_orf00423

/1-222:2.574)

90:0.423,

51.fa.txt\_orf02220\_rev

/1-449:2.996)

;

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03.fa.txt\_orf05336\_rev

/1-348:1.410,

09.fa.txt\_orf05716

/1-354:1.410)

94:0.315,

51.fa.txt\_orf02468

/1-366:1.725)

88:0.242,

20.fa.txt\_orf00592\_rev

/1-335:1.967)

;

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03.fa.txt\_orf01089

/1-193:1.691,

09.fa.txt\_orf06936

/1-323:1.691)

100:1.060,

20.fa.txt\_orf00889

/1-237:2.751)

56:0.171,

51.fa.txt\_orf02338

/1-309:2.923)

;

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03.fa.txt\_orf03176\_rev

/1-203:1.693,

09.fa.txt\_orf00212\_rev

/1-232:1.693)

76:0.348,

20.fa.txt\_orf01908

/1-236:2.041)

98:0.756,

51.fa.txt\_orf00269

/1-314:2.797)

;

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03.fa.txt\_orf01511

/1-155:1.910,

09.fa.txt\_orf05434

/1-637:1.910)

94:0.587,

51.fa.txt\_orf01837

/1-1839:2.496)

100:0.504,

20.fa.txt\_orf00113

/1-625:3.000)

;

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03.fa.txt\_orf00308\_rev

/1-50:1.763,

09.fa.txt\_orf06693

/1-742:1.763)

92:0.927,

20.fa.txt\_orf02019\_rev

/1-552:2.690)

82:0.256,

51.fa.txt\_orf01874\_rev

/1-517:2.946)

;

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03.fa.txt\_orf04477

/1-332:2.185,

09.fa.txt\_orf04035\_rev

/1-206:2.185)

74:0.509,

20.fa.txt\_orf01216

/1-236:2.695)

64:0.198,

51.fa.txt\_orf01557

/1-479:2.893)

;

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(

03.fa.txt\_orf06946

/1-495:1.807,

09.fa.txt\_orf06556

/1-543:1.807)

98:0.891,

(

20.fa.txt\_orf02897

/1-227:2.356,

51.fa.txt\_orf01490

/1-402:2.356)

62:0.342)

;

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(

03.fa.txt\_orf02090\_rev

/1-229:1.662,

20.fa.txt\_orf01955\_rev

/1-220:1.662)

50:0.173,

51.fa.txt\_orf01077\_rev

/1-241:1.835)

50:0.364,

09.fa.txt\_orf05166

/1-251:2.199)

;

(

03.fa.txt\_orf00012

/1-353:0.961,

(

(

09.fa.txt\_orf00094\_rev

/1-364:0.646,

20.fa.txt\_orf00943

/1-354:0.646)

94:0.109,

51.fa.txt\_orf01976\_rev

/1-359:0.755)

100:0.206)

;

**Reference**

http://biopython.org/DIST/docs/api/Bio.Blast.Record-pysrc.html#HSP