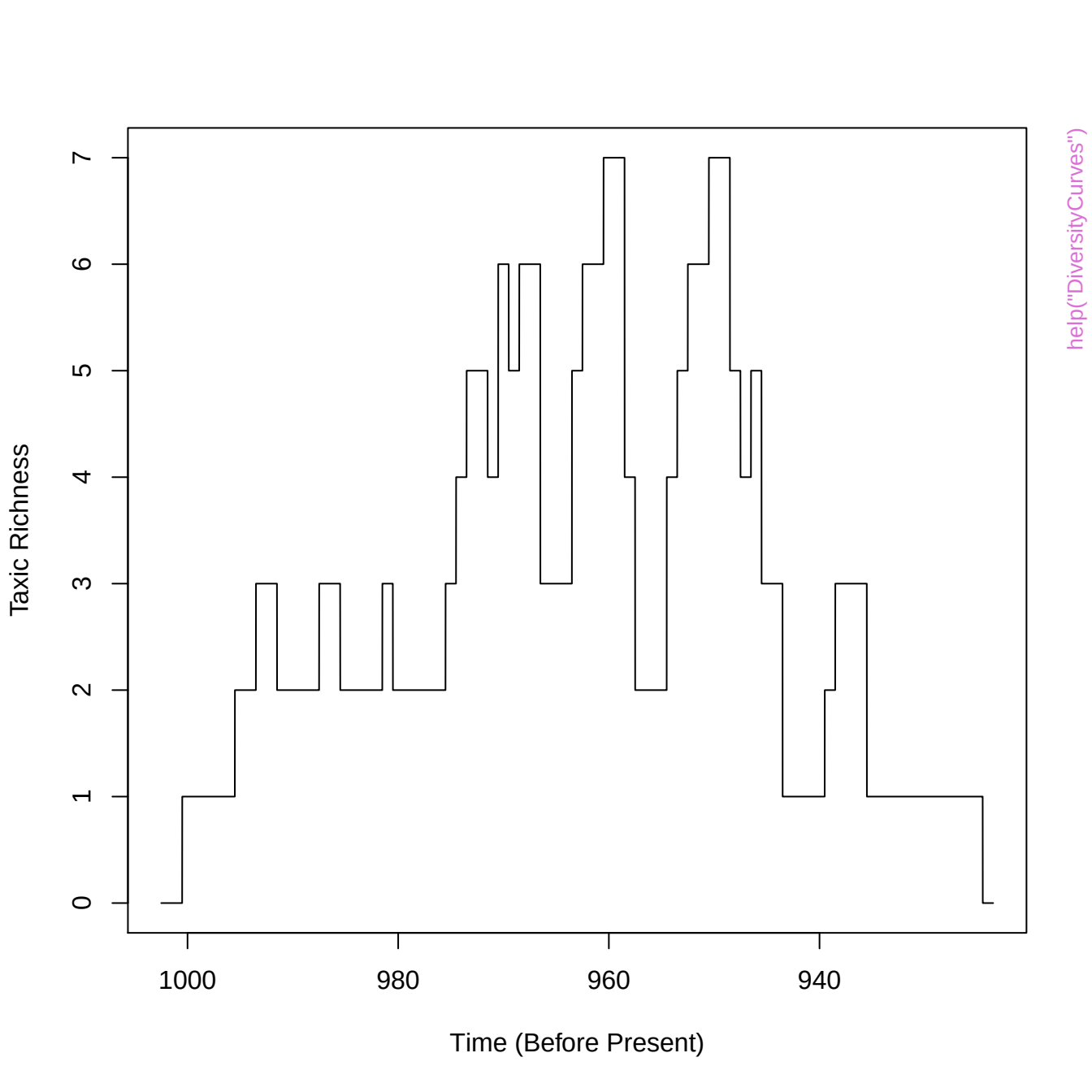
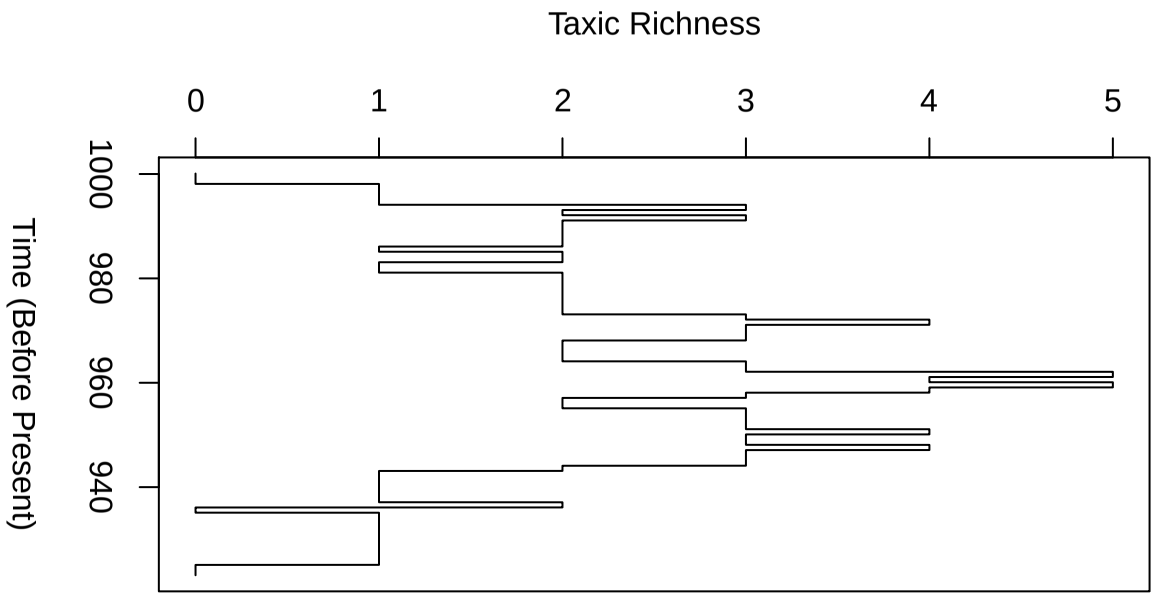
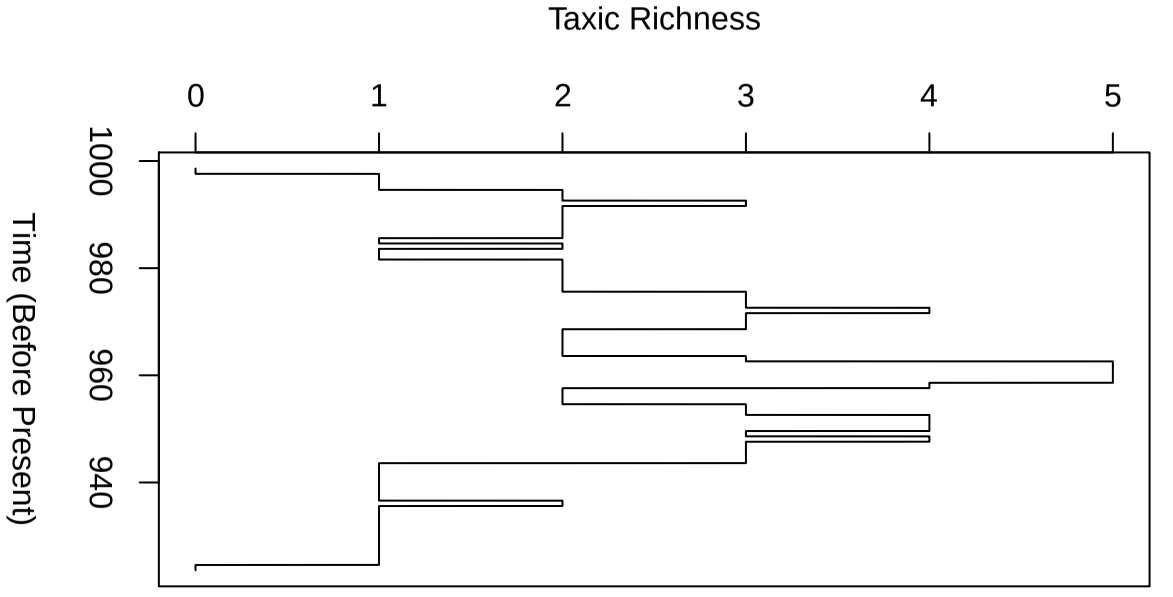
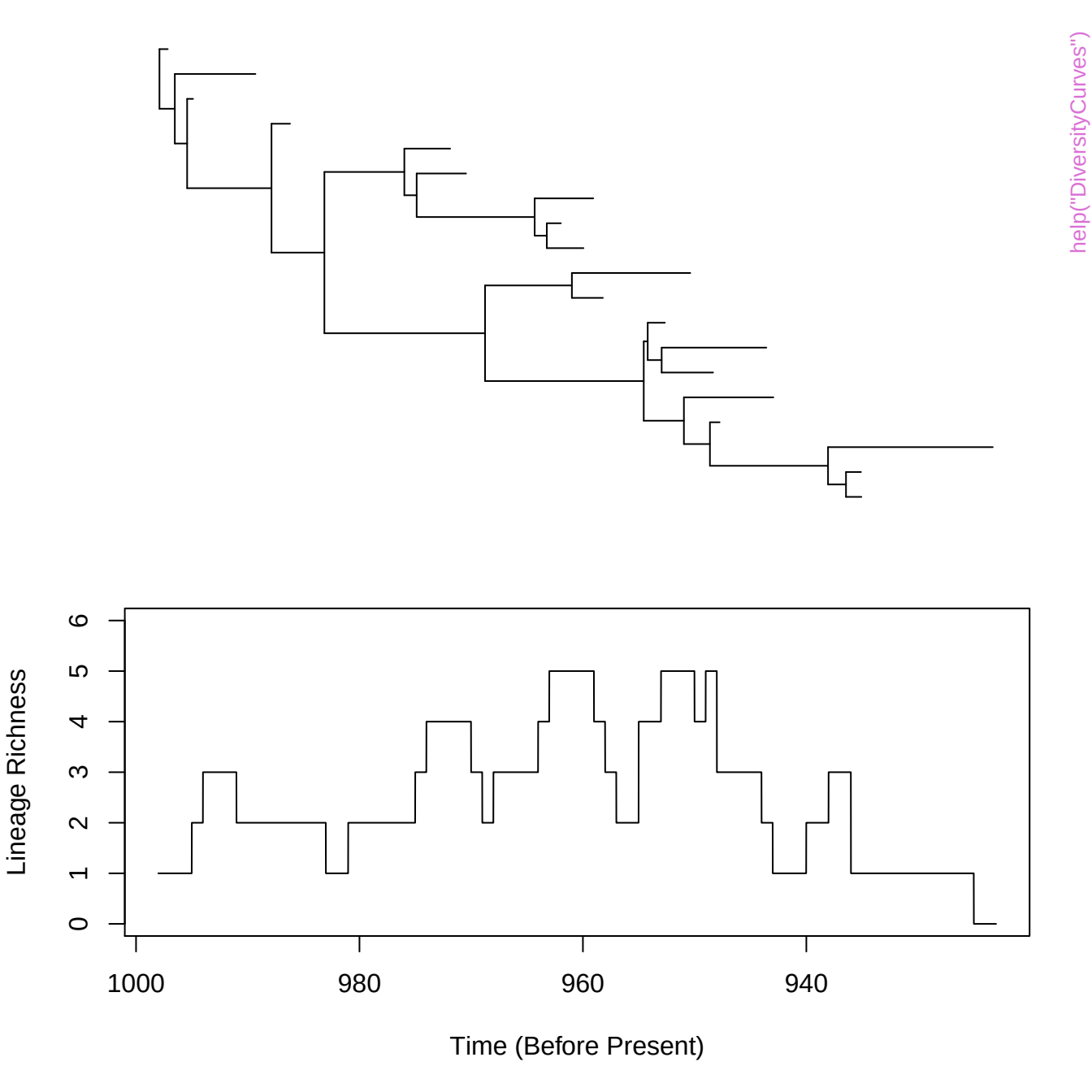

Taxic Richness
0
1
2
3
4
5
6
7
1000
980
960
940
Time (Before Present)
help("DiversityCurves")

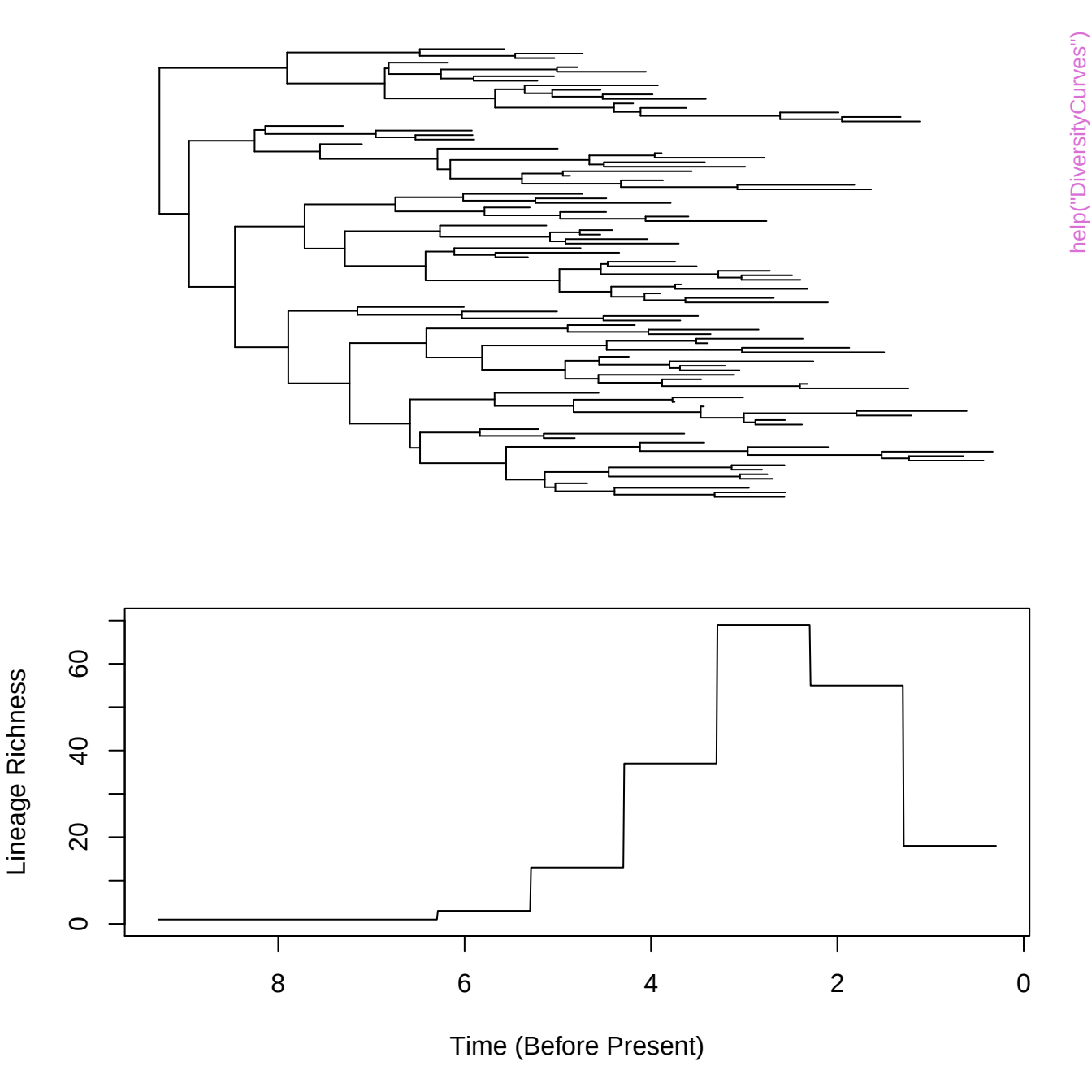


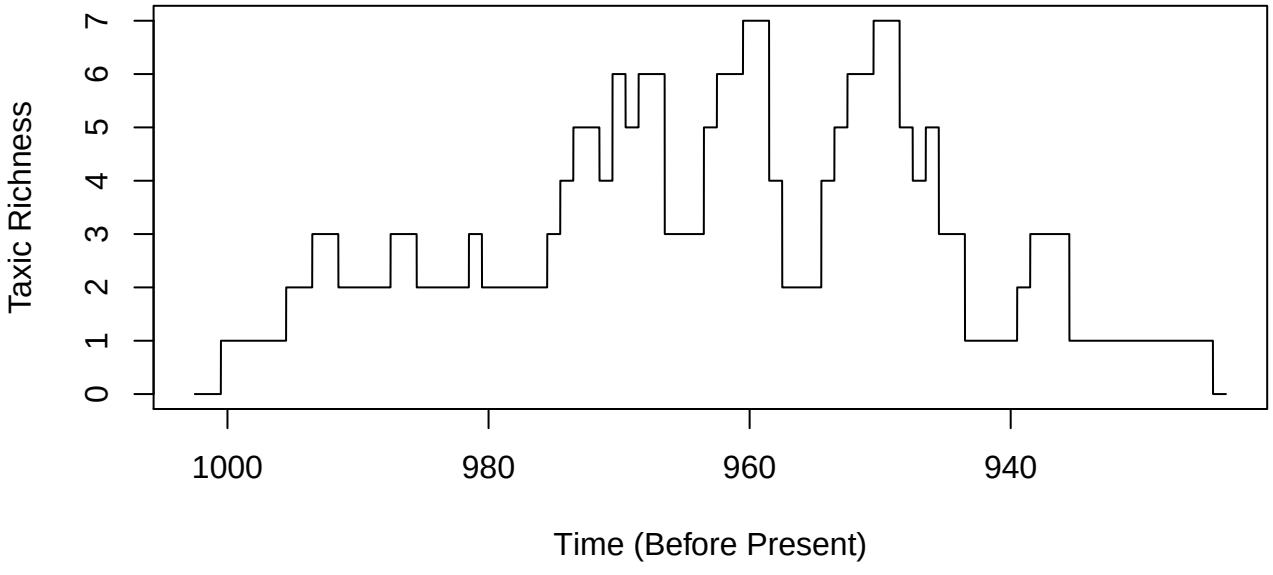


help("DiversityCurves")

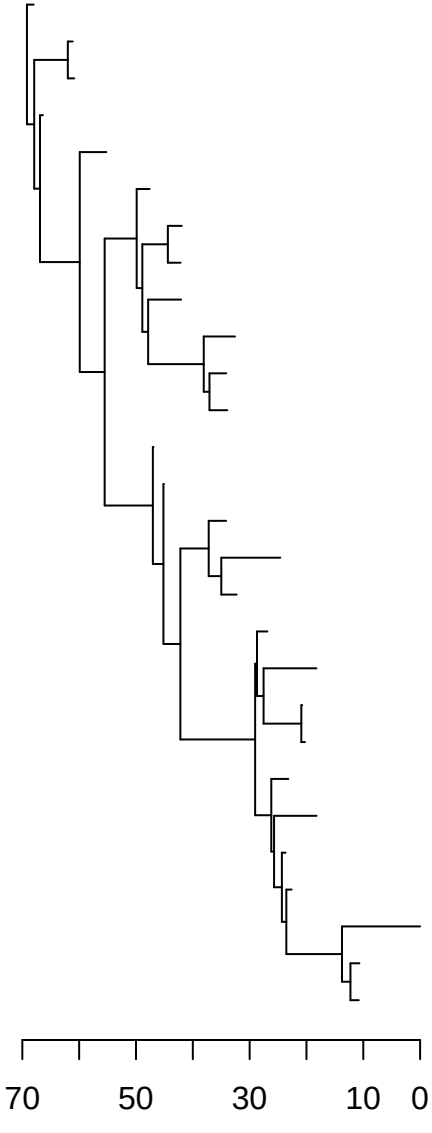


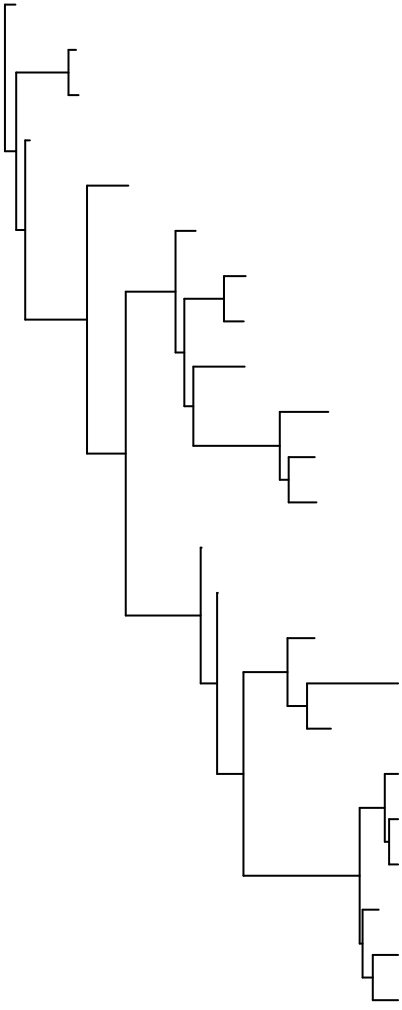
help("DiversityCurves")


help("DiversityCurves")
Lineage Richness
0
20
40
60
8
6
4
2
0
Time (Before Present)

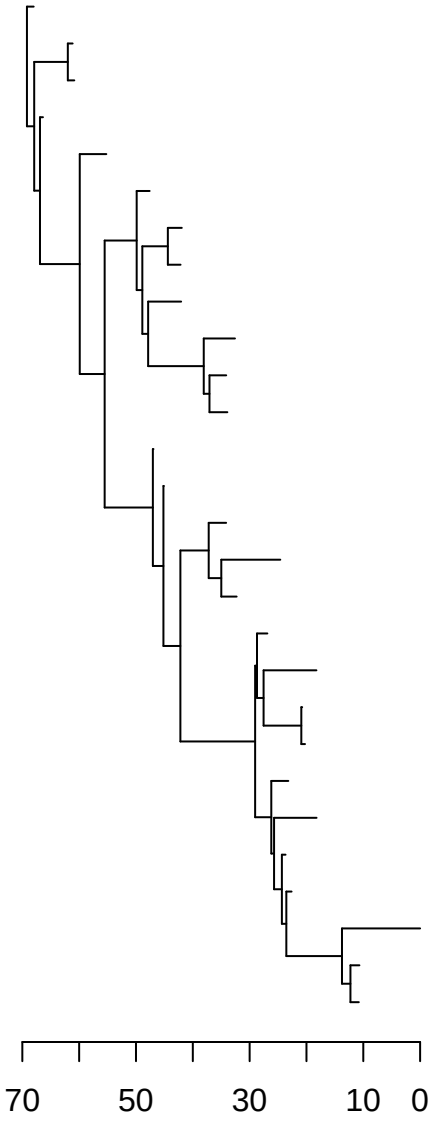


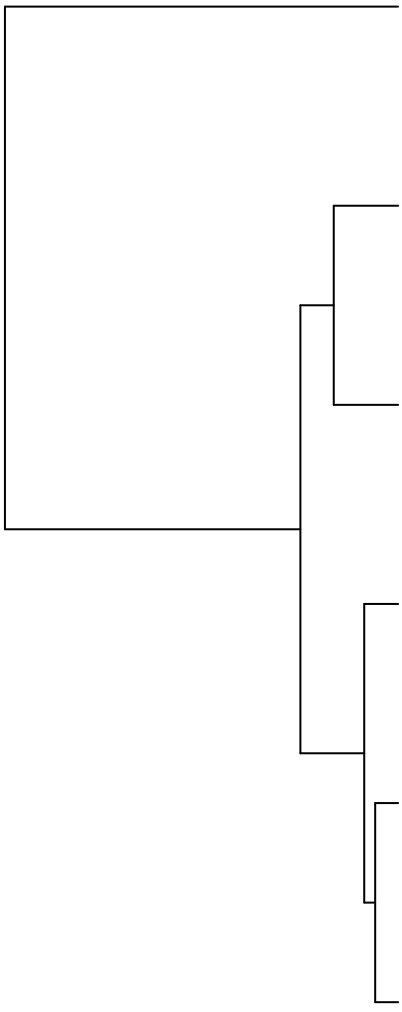
help("DiversityCurves")



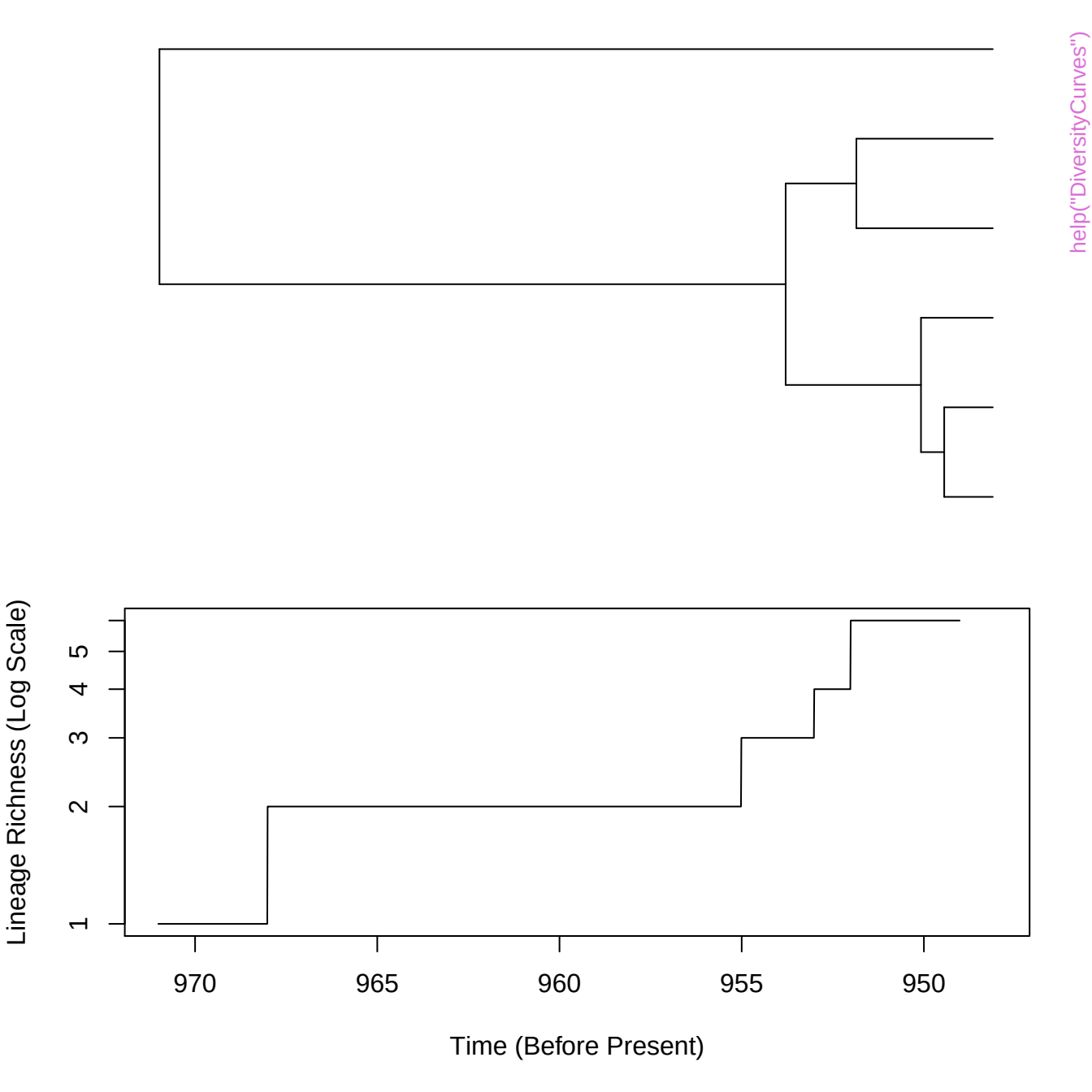


help("DiversityCurves")

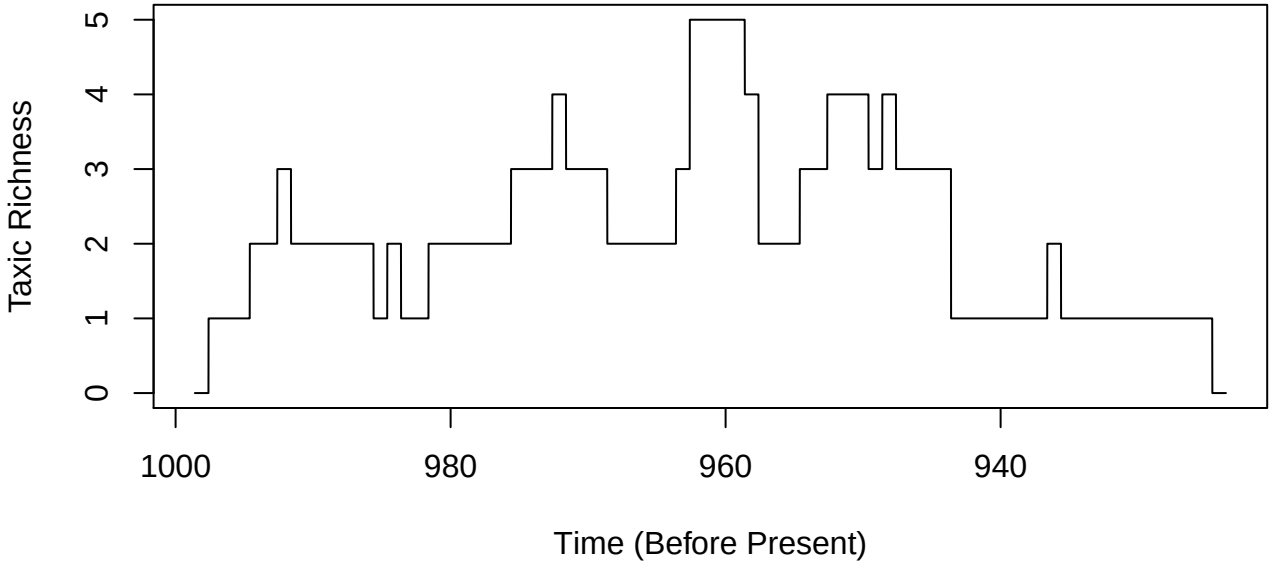




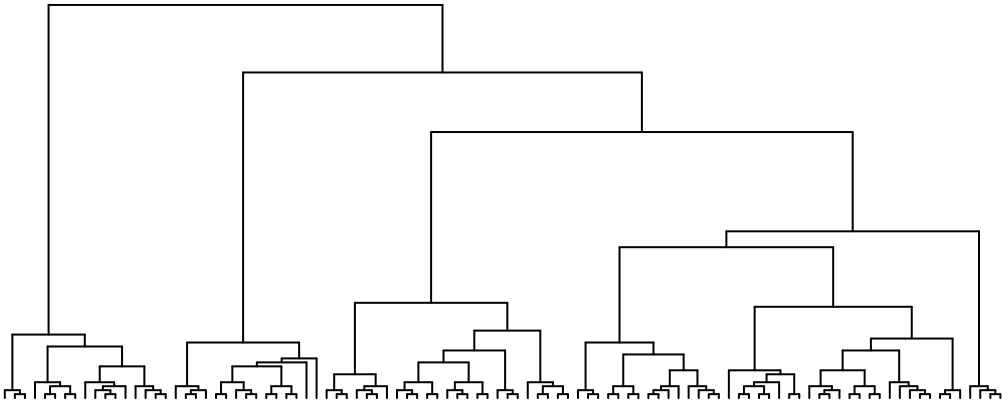
help("DiversityCurves")

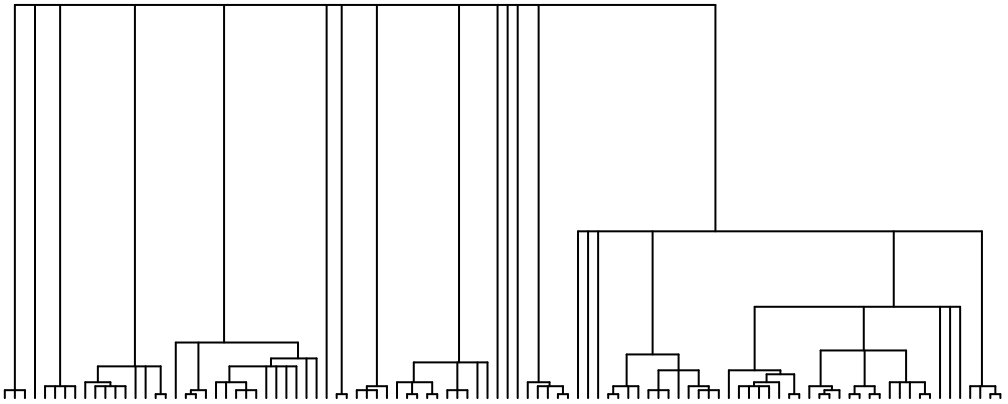


help("DiversityCurves")



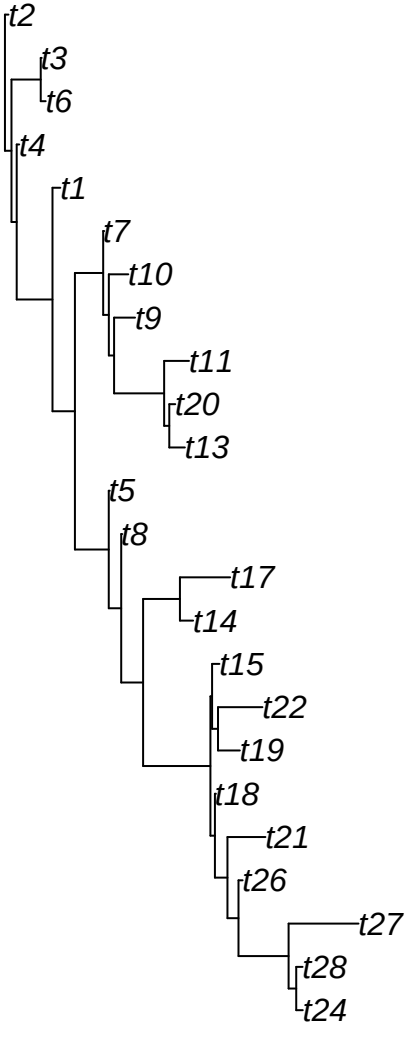
help("binTimeData")

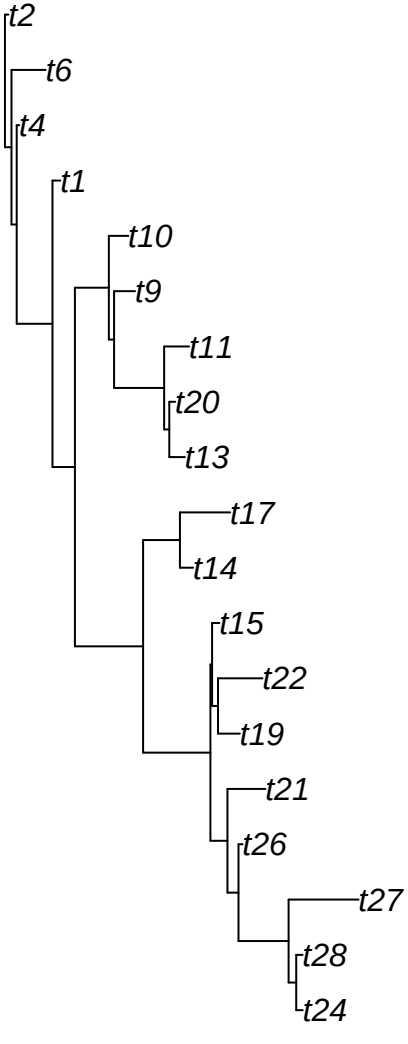




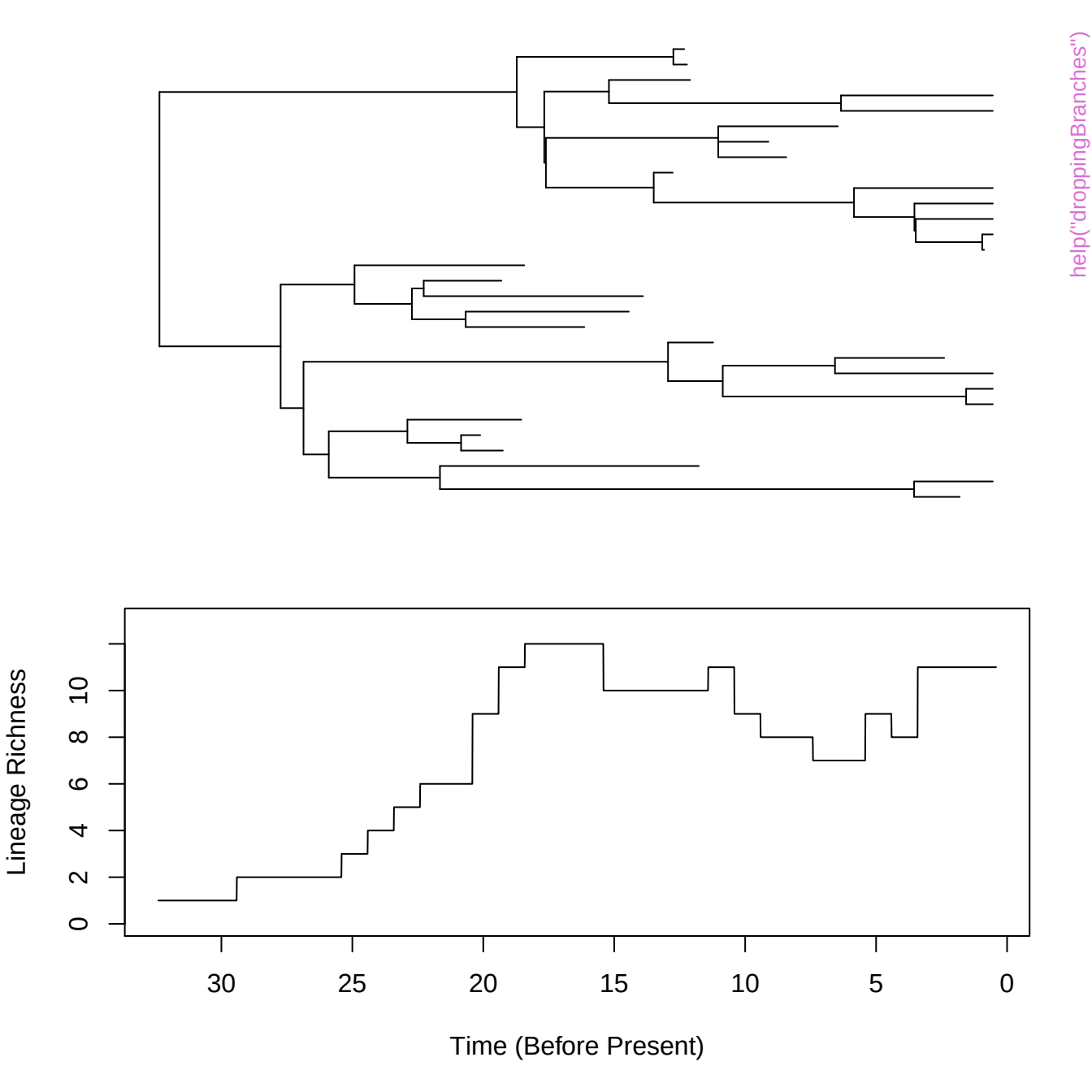
help("degradeTree")

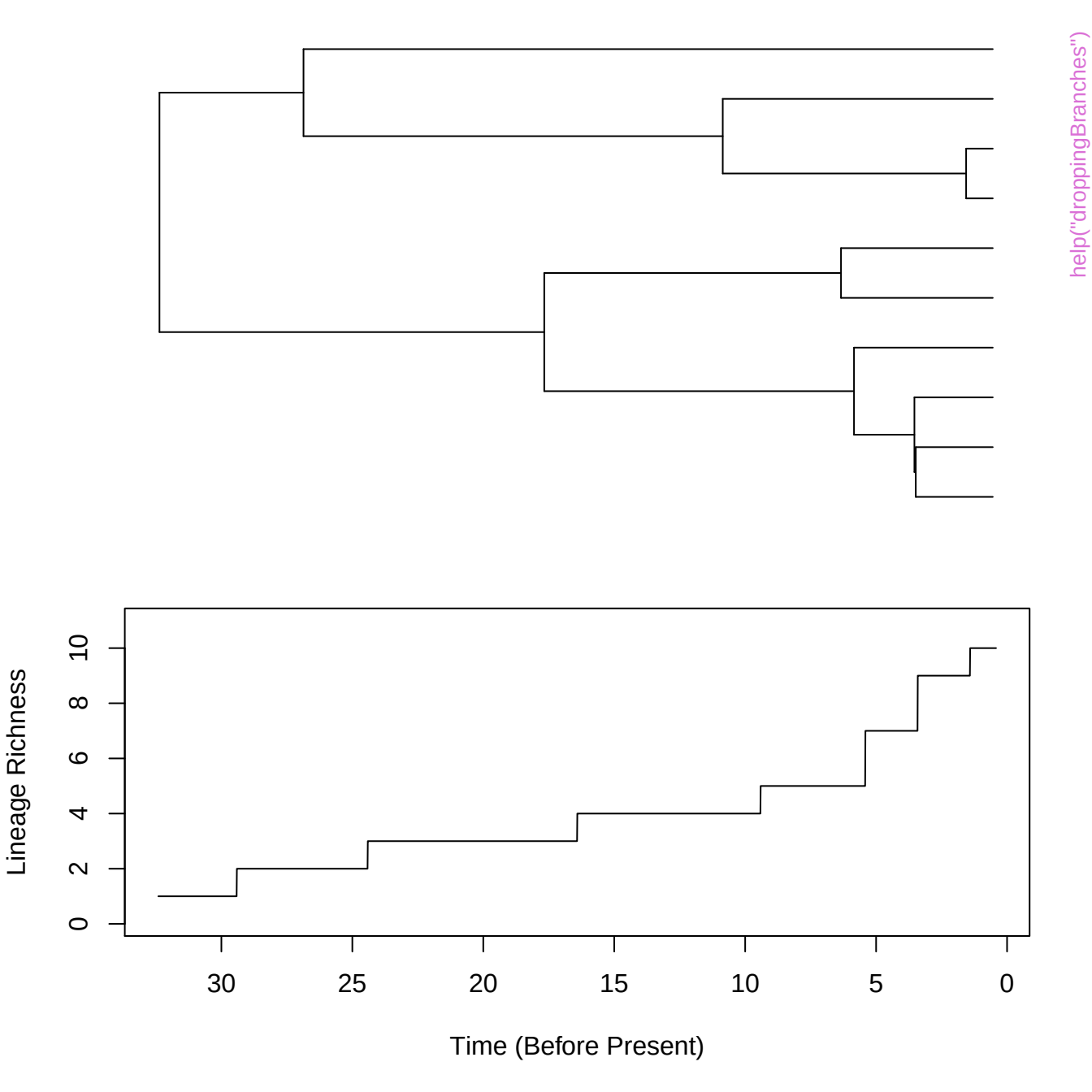
10
8
6
4
2
0

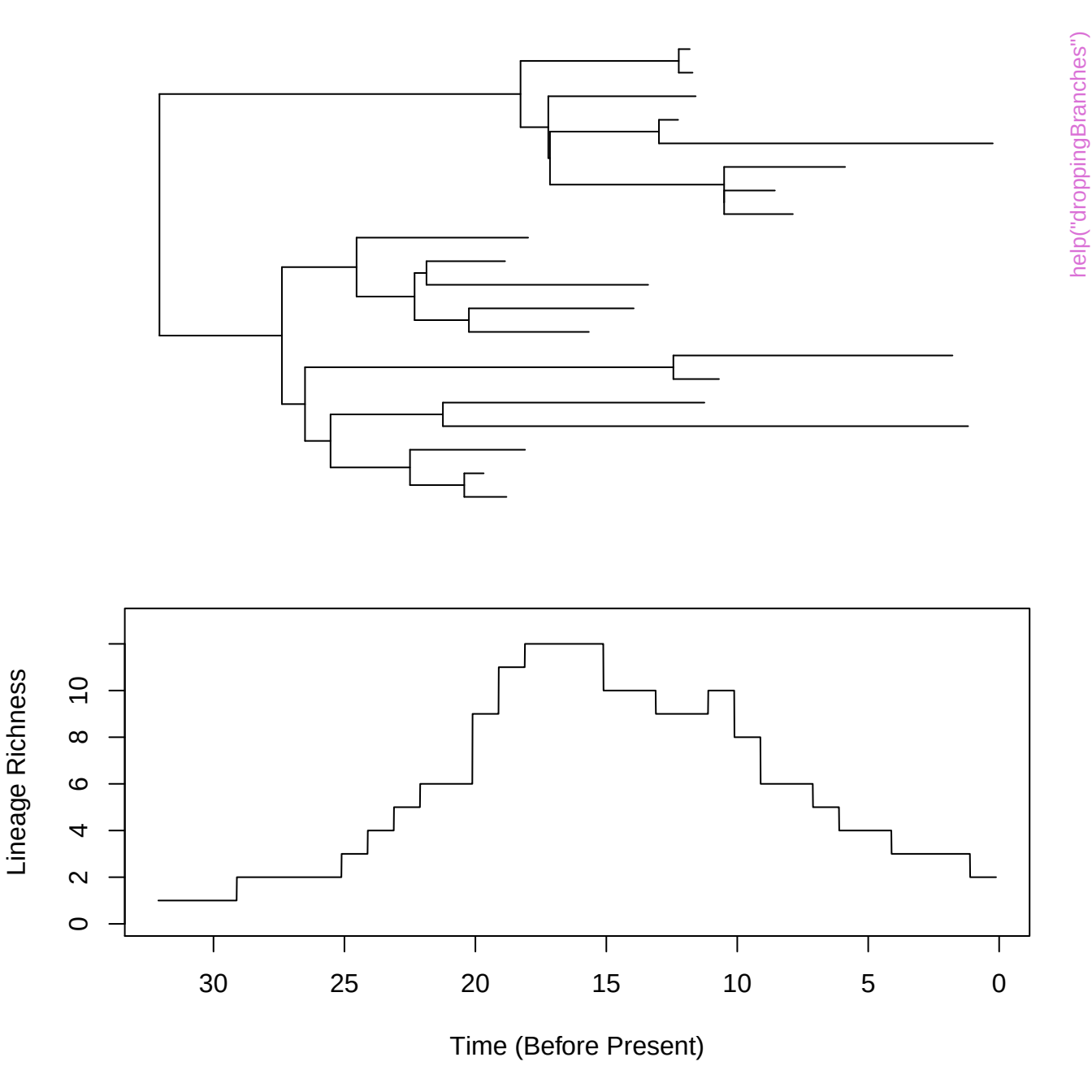


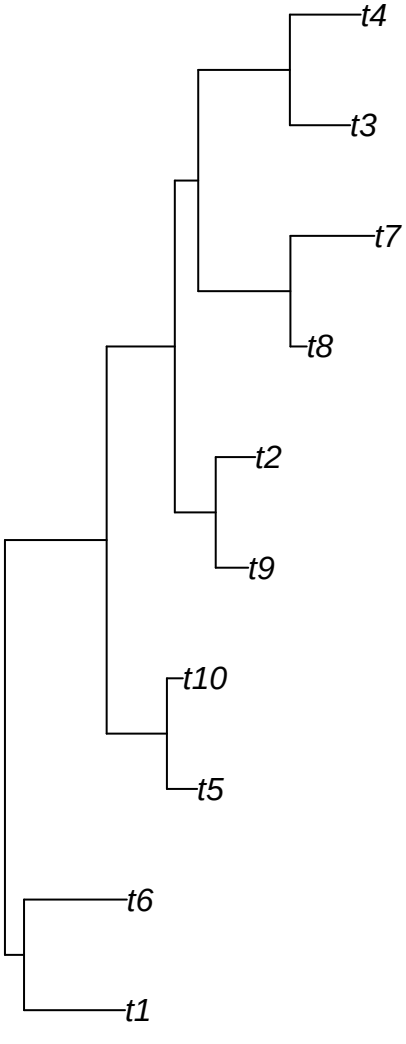


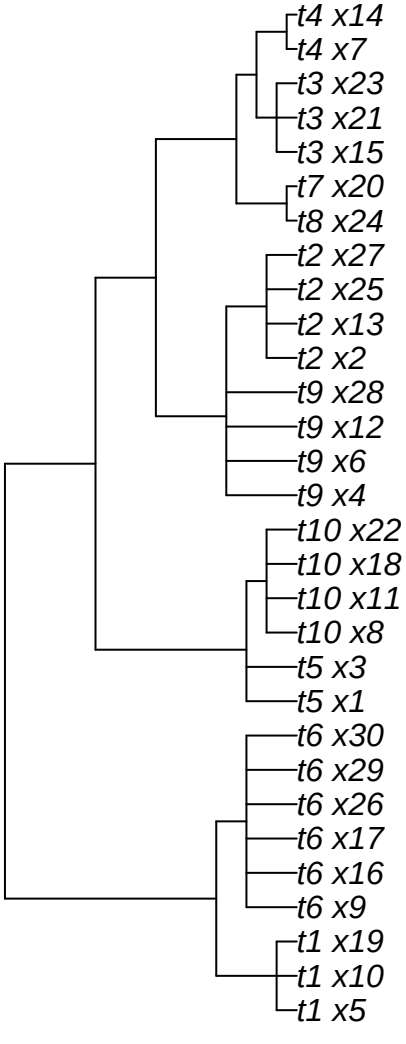
help("droppingBranches")


help("droppingBranches")
Lineage Richness
0
2
4
6
8
10
30
25
20
15
10
5
0
Time (Before Present)

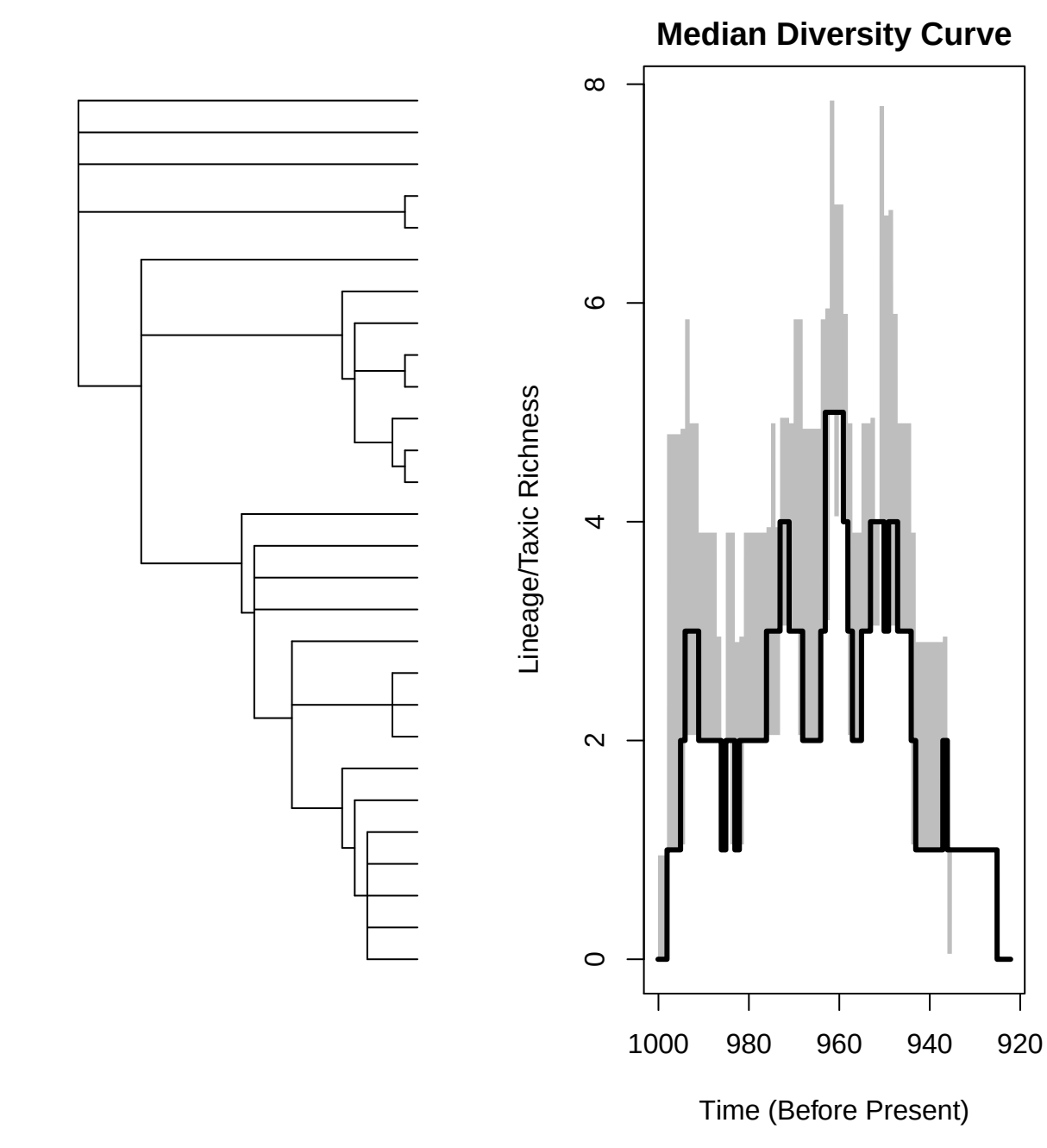

help("droppingBranches")
Lineage Richness
0
2
4
6
8
10
30
25
20
15
10
5
0
Time (Before Present)

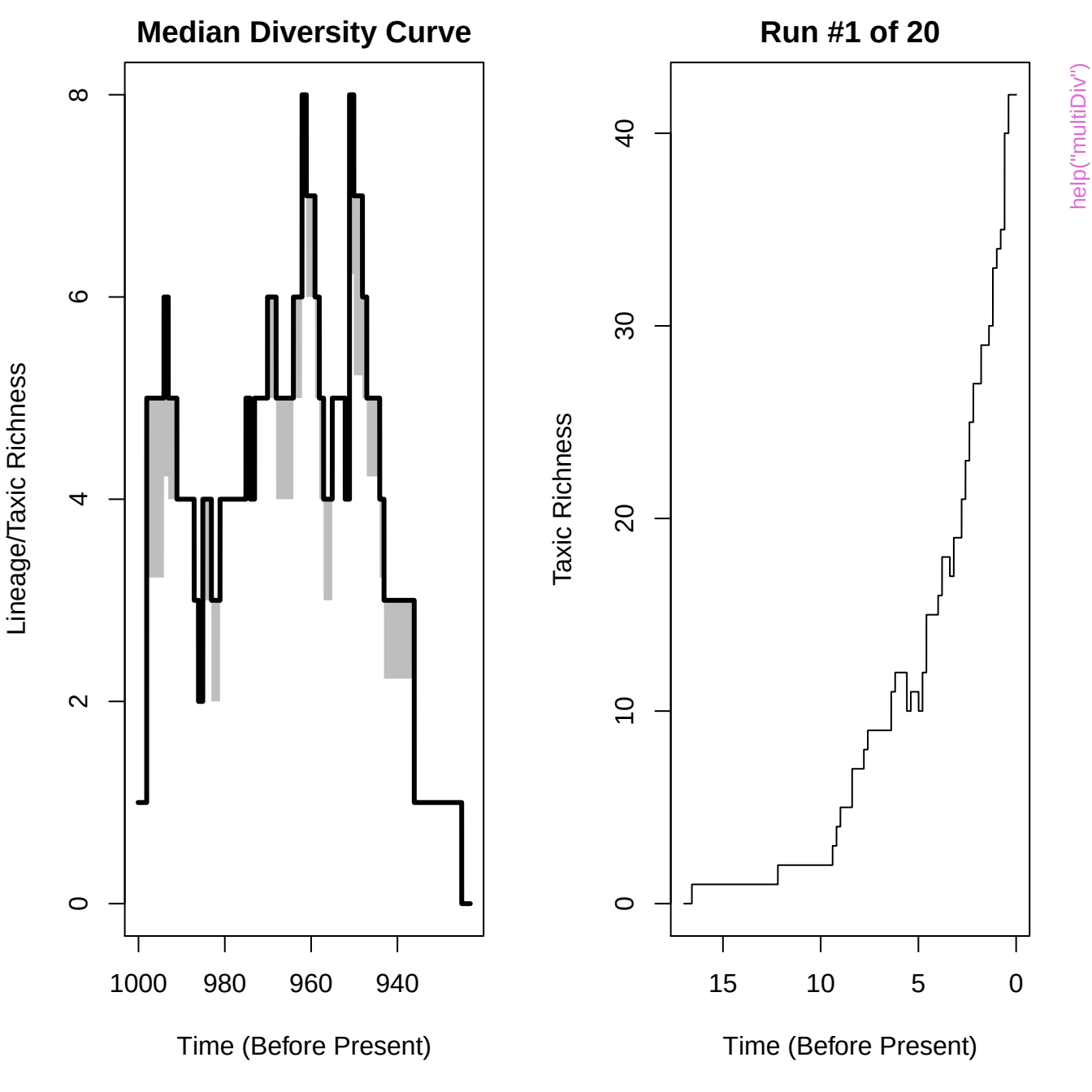

help("droppingBranches")
Lineage Richness
0
2
4
6
8
10
30
25
20
15
10
5
0
Time (Before Present)

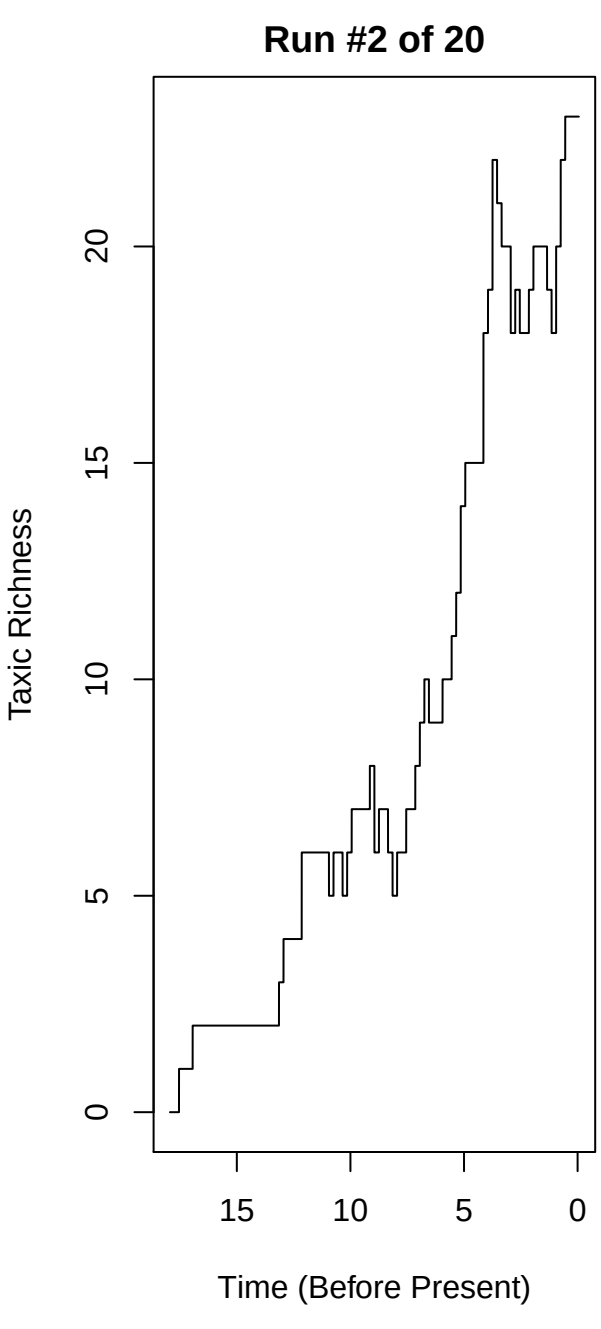


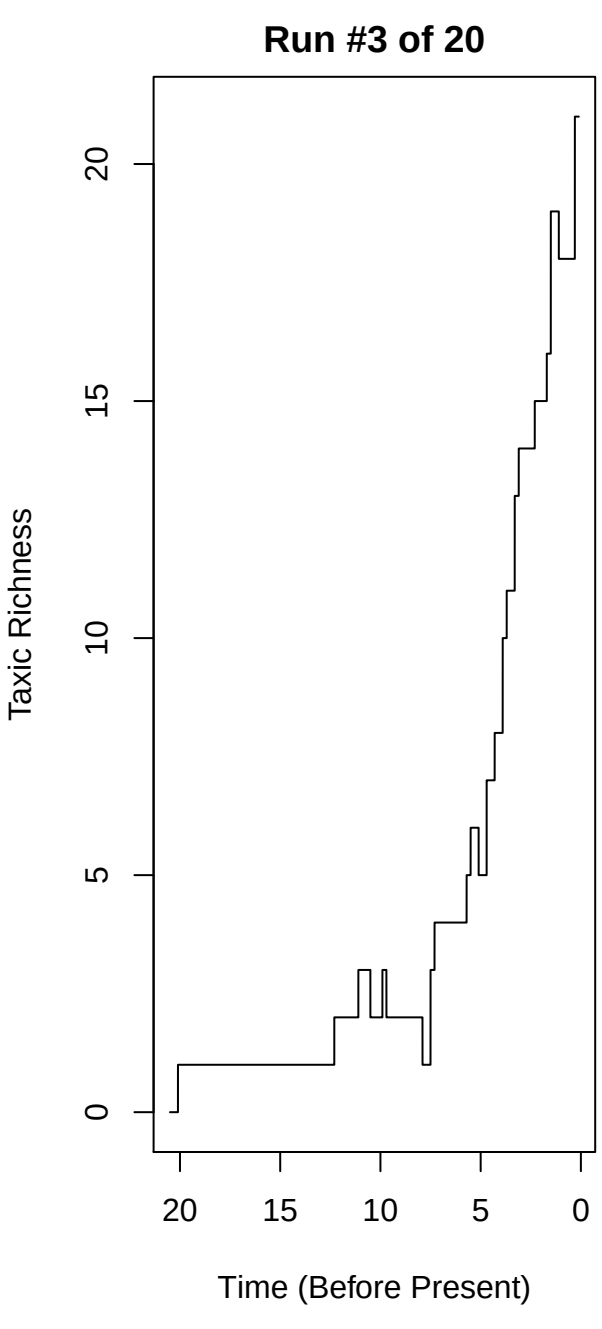


help("expandTaxonTree")

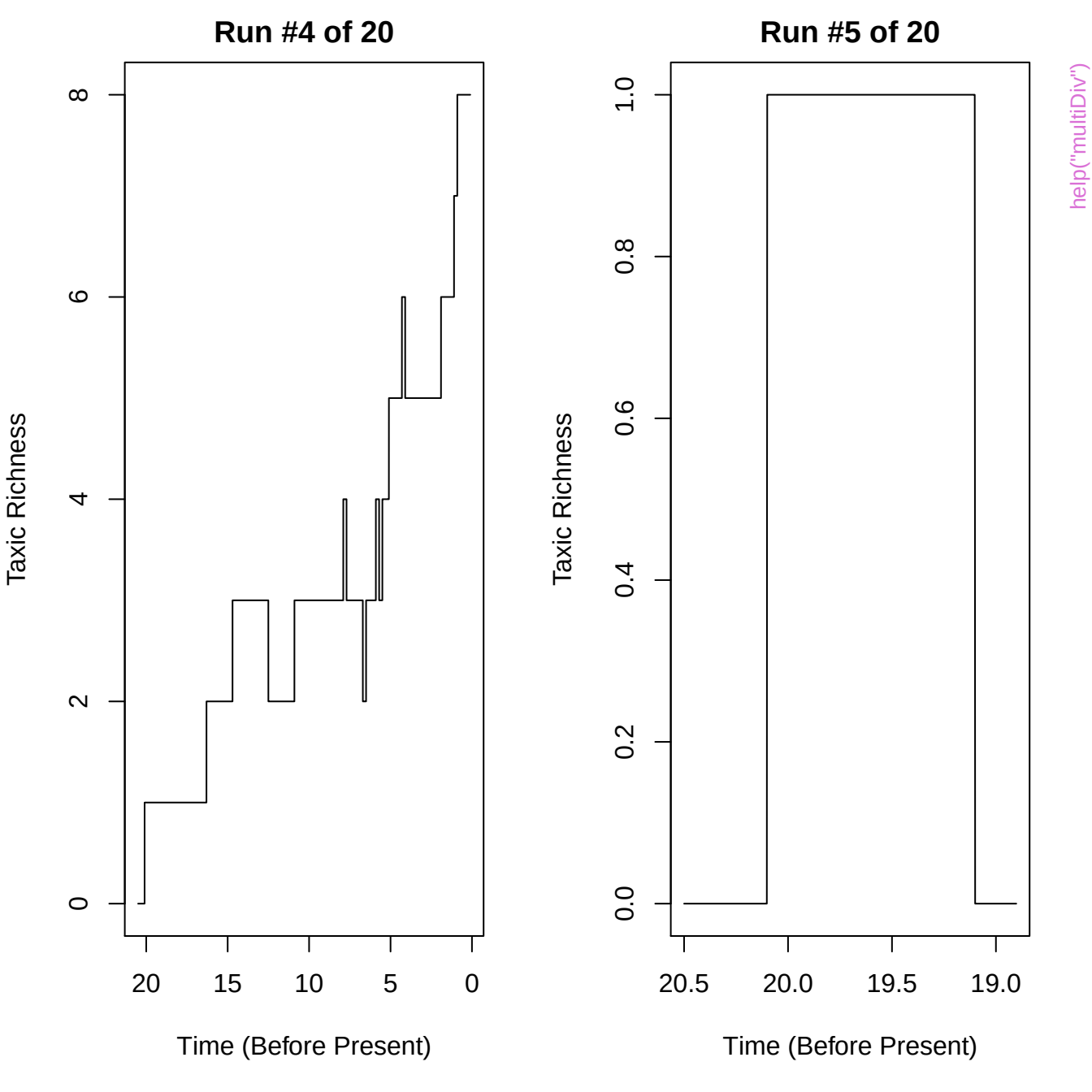

Median Diversity Curve
Lineage/Taxic Richness
0
2
4
6
8
1000
980
960
940
920
Time (Before Present)
help("multiDiv")

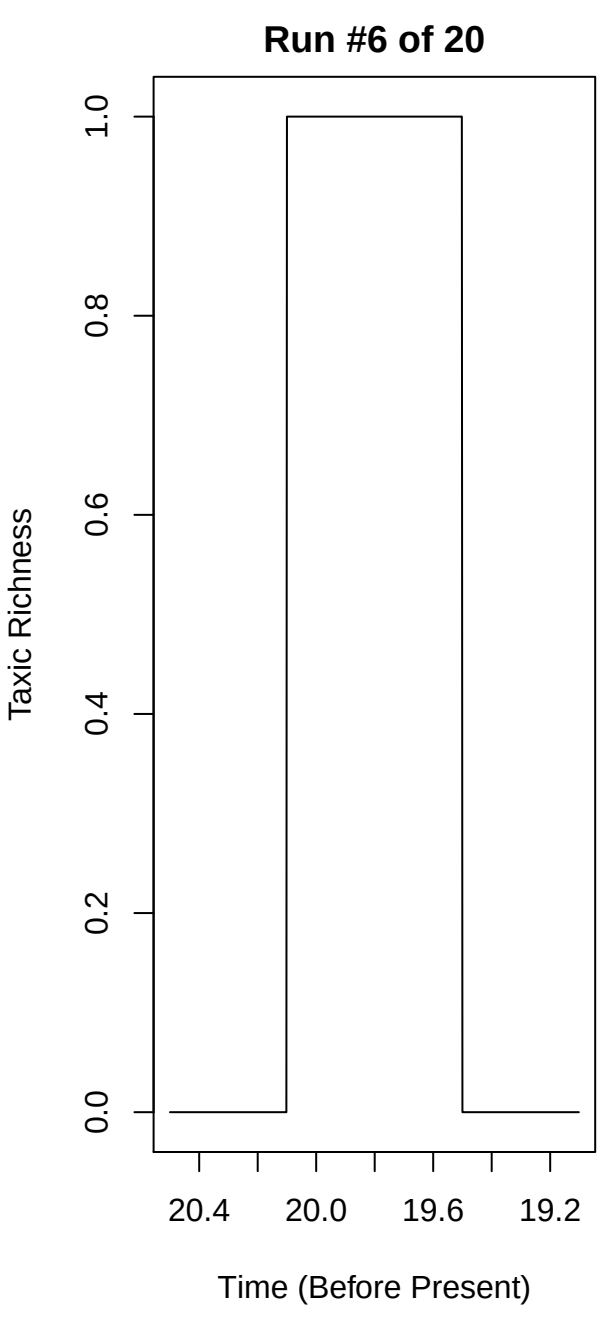

Median Diversity Curve
Lineage/Taxic Richness
0
2
4
6
8
1000
980
960
940
Time (Before Present)
Run #1 of 20
Taxic Richness
0
10
20
30
40
15
10
5
0
Time (Before Present)
help("multiDiv")

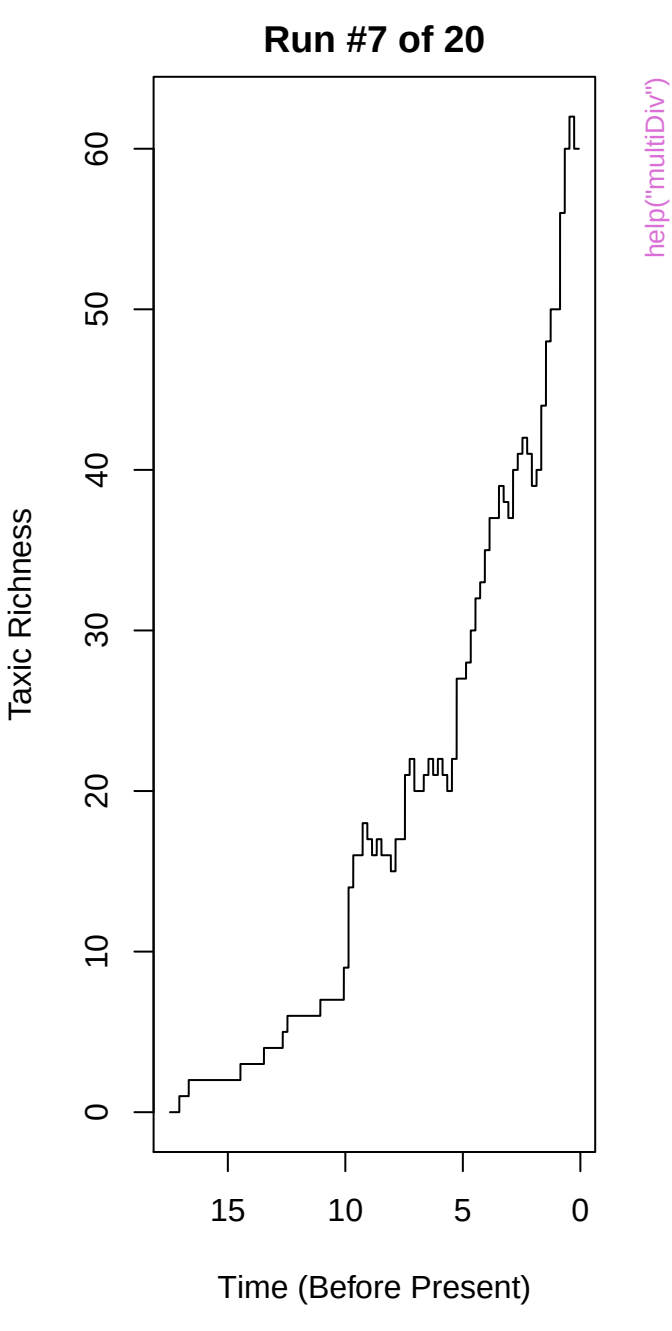


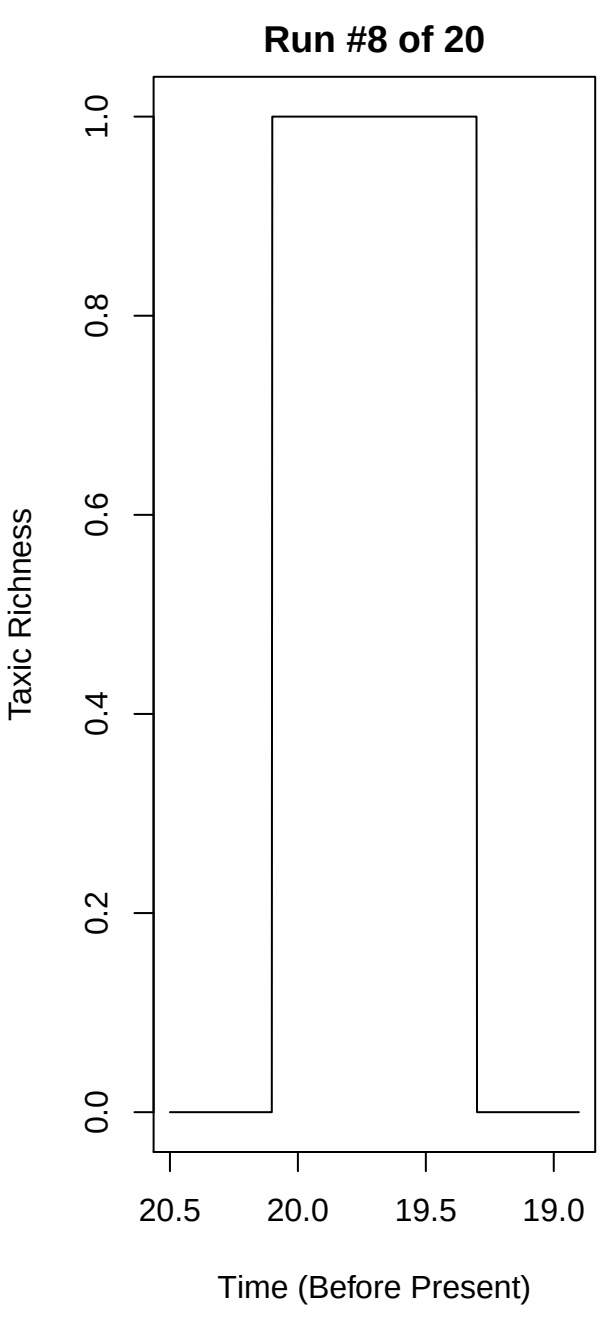


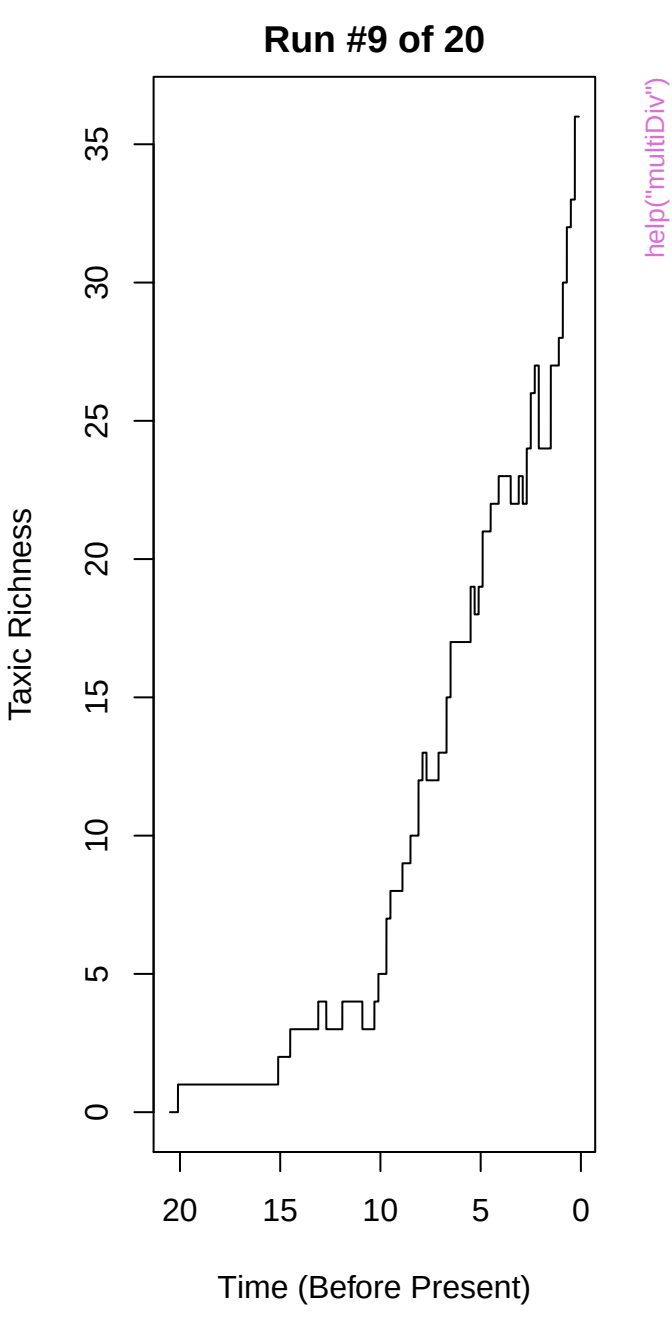
help("multiDiv")

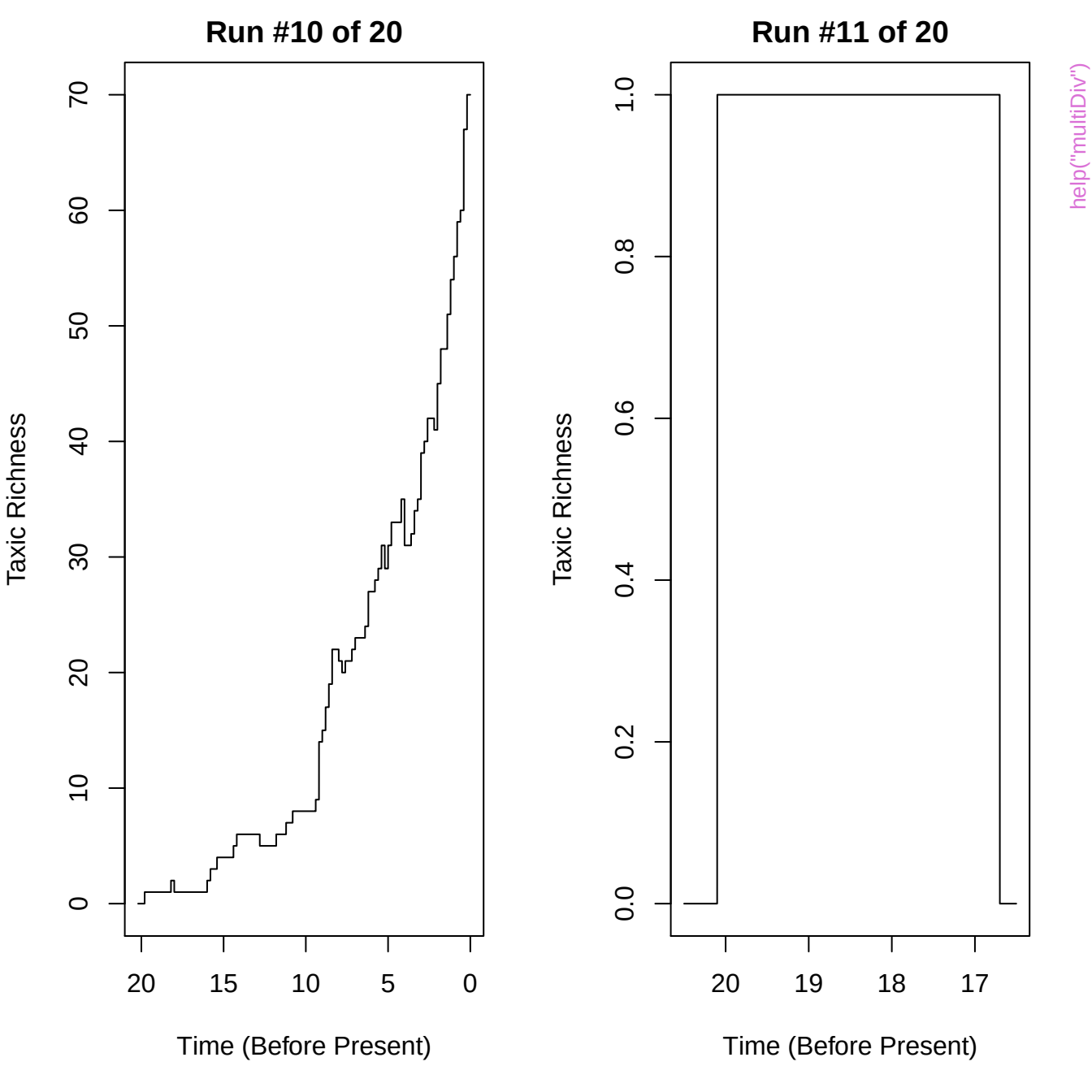

Run #4 of 20
Taxic Richness
0
2
4
6
8
20
15
10
5
0
Time (Before Present)
Run #5 of 20
Taxic Richness
0.0
0.2
0.4
0.6
0.8
1.0
20.5
20.0
19.5
19.0
Time (Before Present)
help("multiDiv")

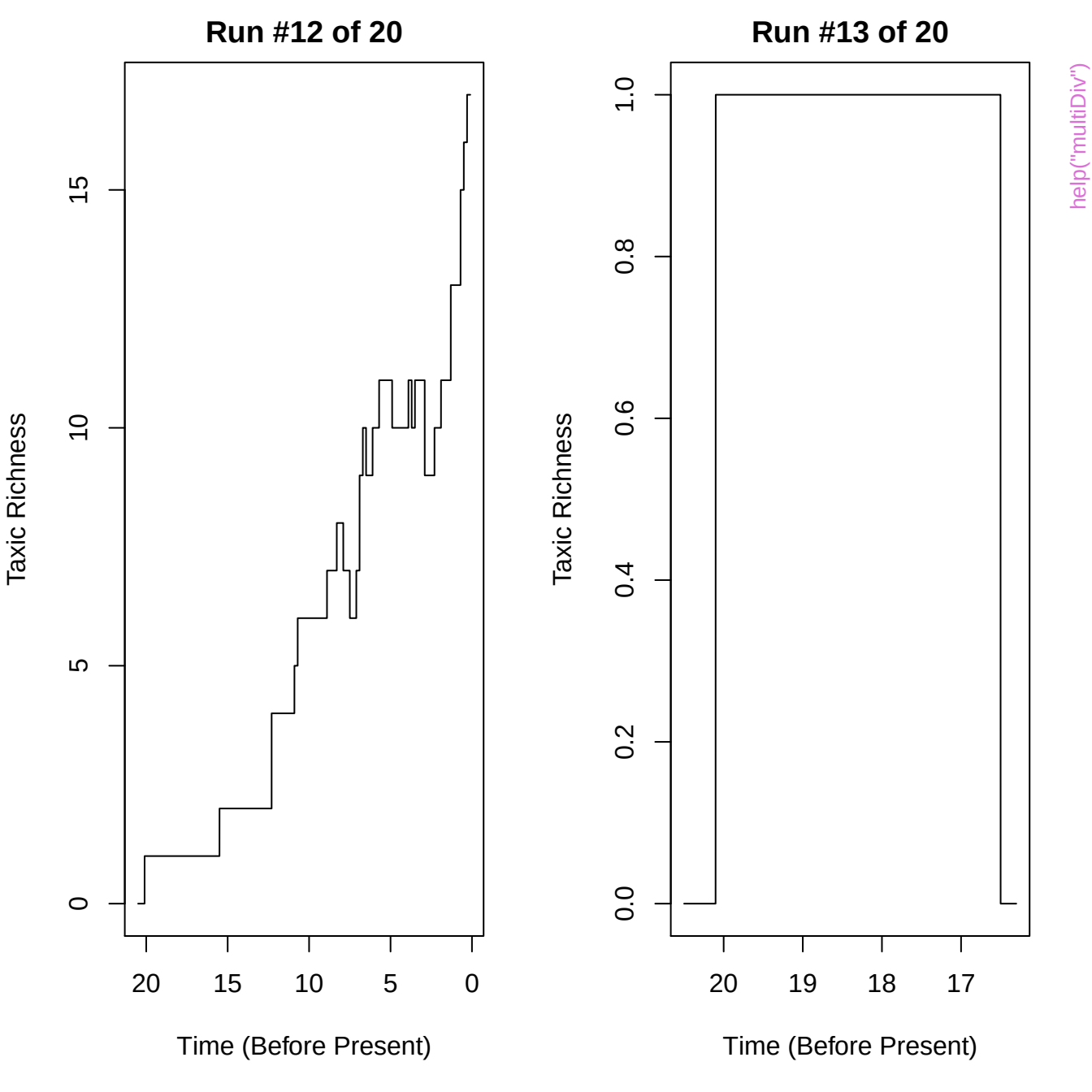

Run #6 of 20
Taxic Richness
0.0
0.2
0.4
0.6
0.8
1.0
20.4
20.0
19.6
19.2
Time (Before Present)

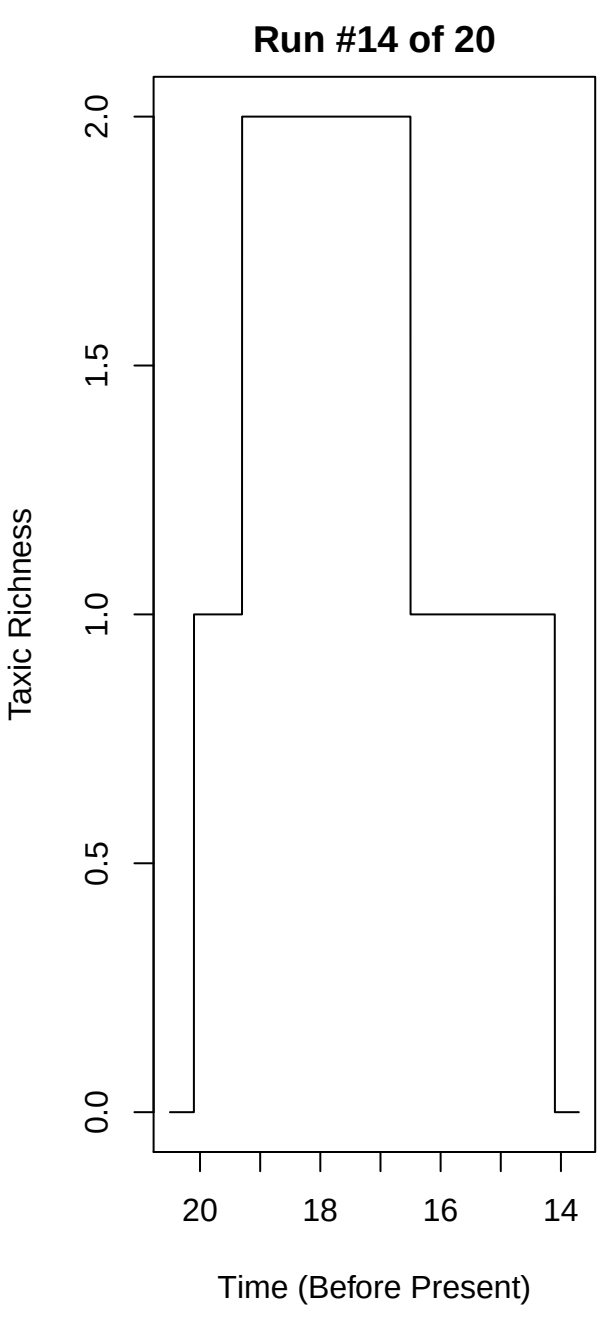

Run #7 of 20
Taxic Richness
0
10
20
30
40
50
60
15
10
5
0
Time (Before Present)
help("multiDiv")

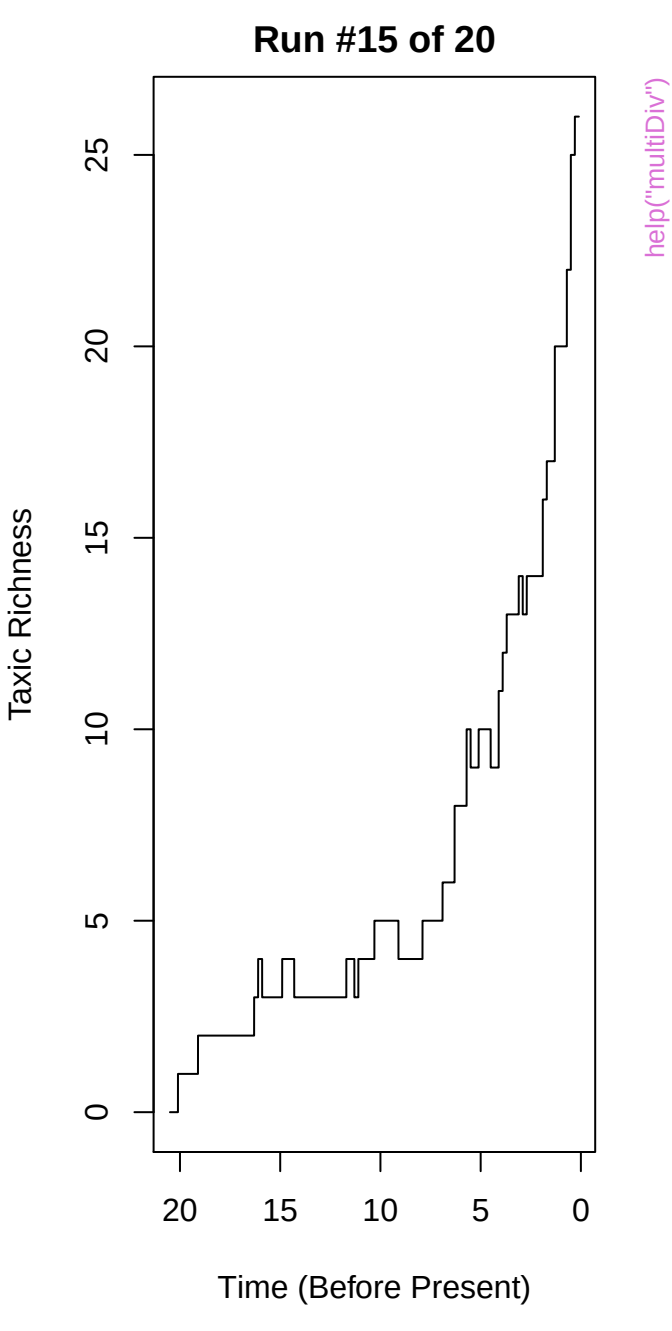

Run #8 of 20
Taxic Richness
0.0
0.2
0.4
0.6
0.8
1.0
20.5
20.0
19.5
19.0
Time (Before Present)

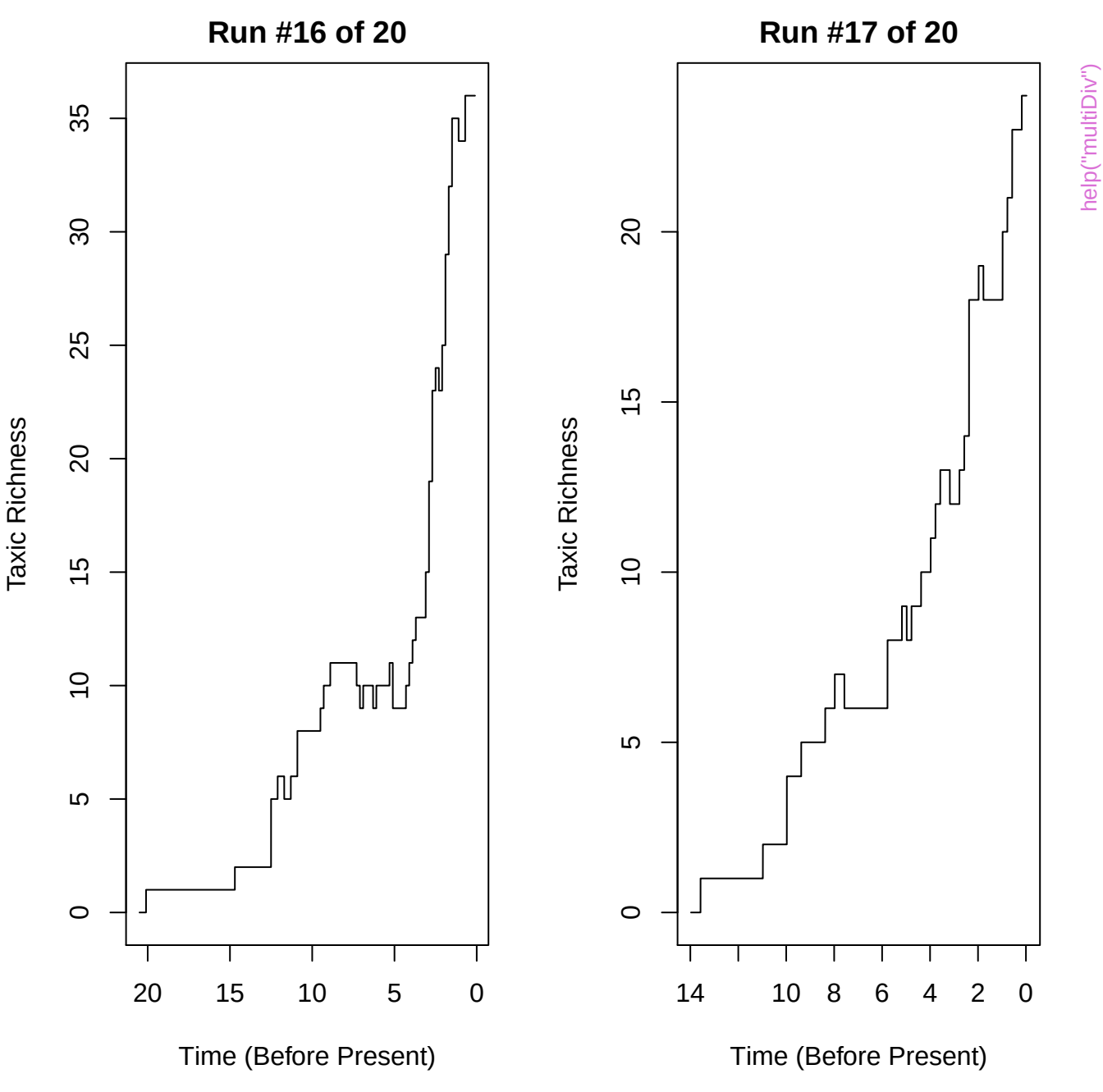

Run #9 of 20
Taxic Richness
0
5
10
15
20
25
30
35
20
15
10
5
0
Time (Before Present)
help("multiDiv")

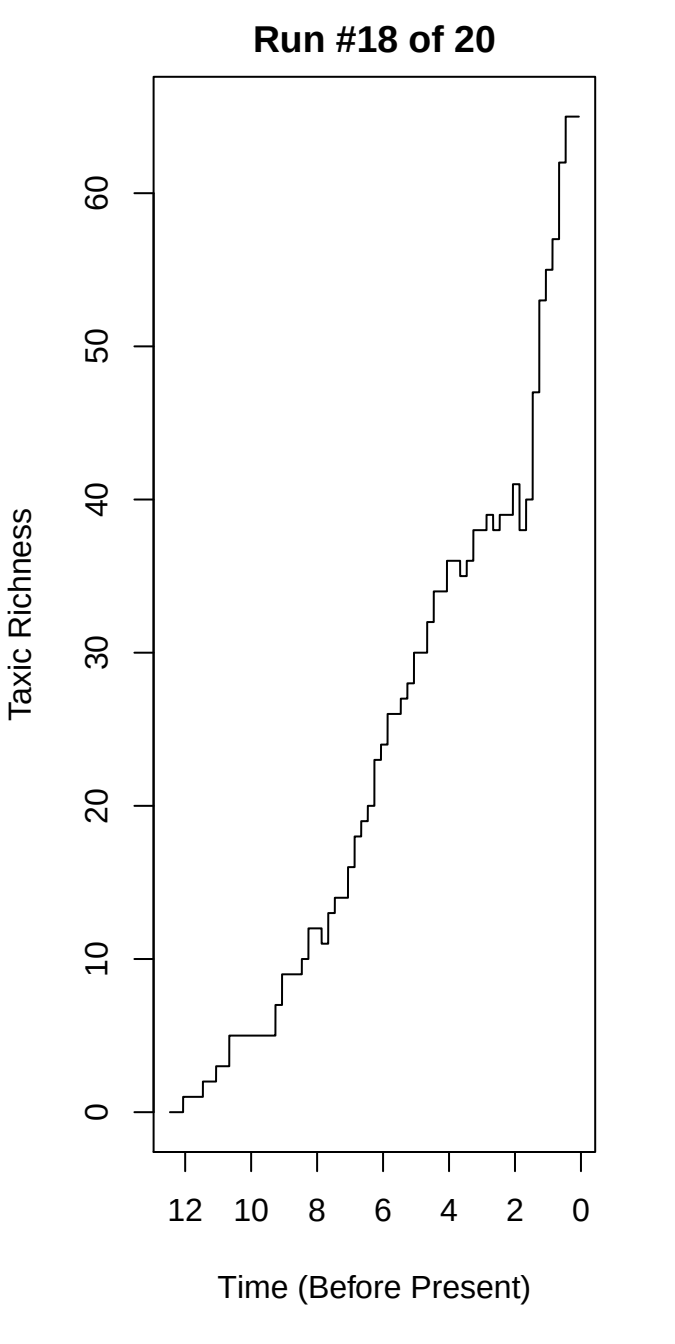

Run #10 of 20
Taxic Richness
0
10
20
30
40
50
60
70
20
15
10
5
0
Time (Before Present)
Run #11 of 20
Taxic Richness
0.0
0.2
0.4
0.6
0.8
1.0
20
19
18
17
Time (Before Present)
help("multiDiv")

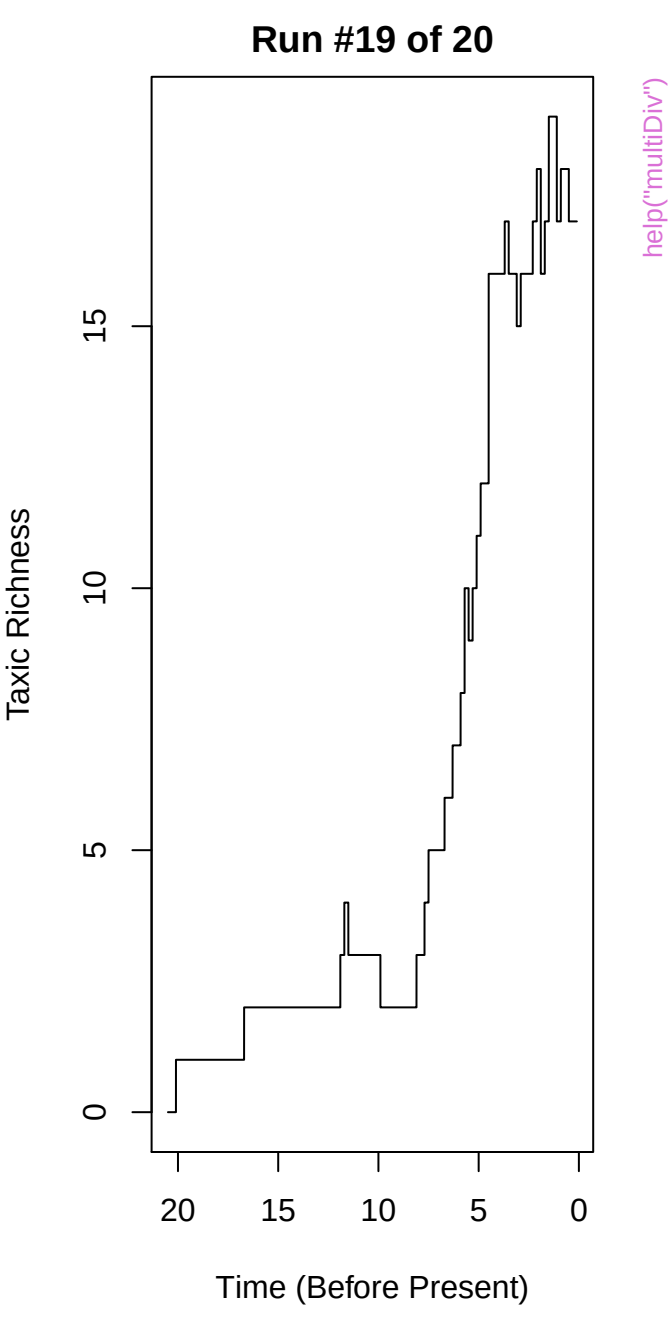

Run #12 of 20
Taxic Richness
0
5
10
15
20
15
10
5
0
Time (Before Present)
Run #13 of 20
Taxic Richness
0.0
0.2
0.4
0.6
0.8
1.0
20
19
18
17
Time (Before Present)
help("multiDiv")

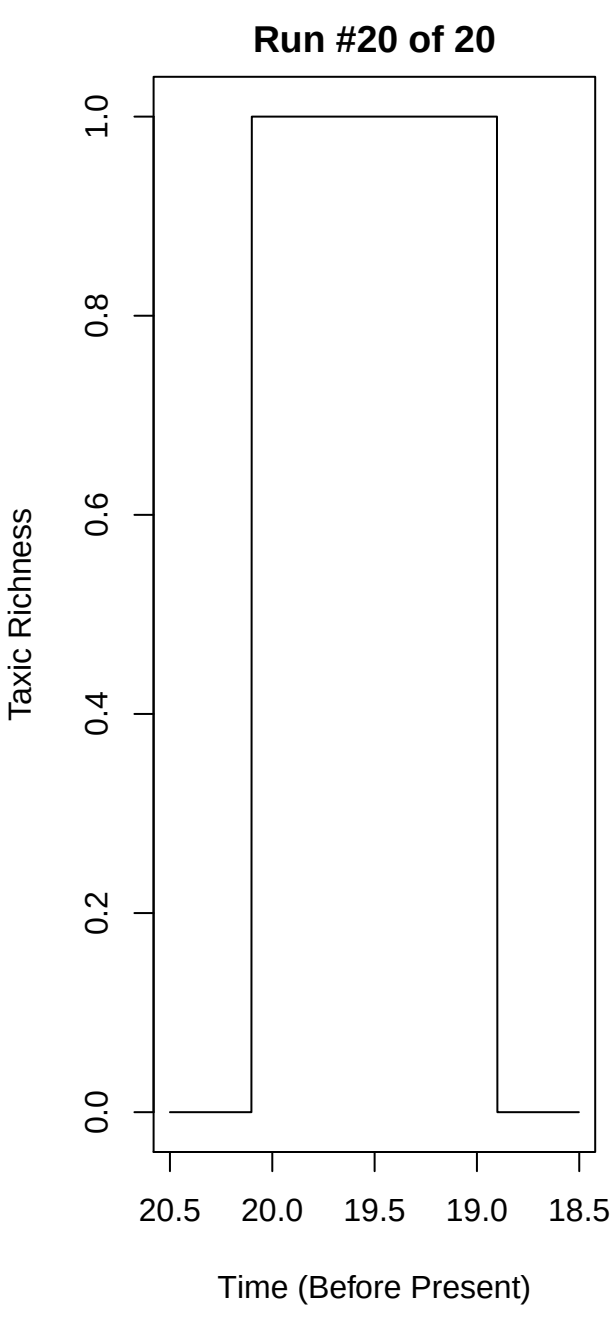

Run #14 of 20
Taxic Richness
0.0
0.5
1.0
1.5
2.0
20
18
16
14
Time (Before Present)

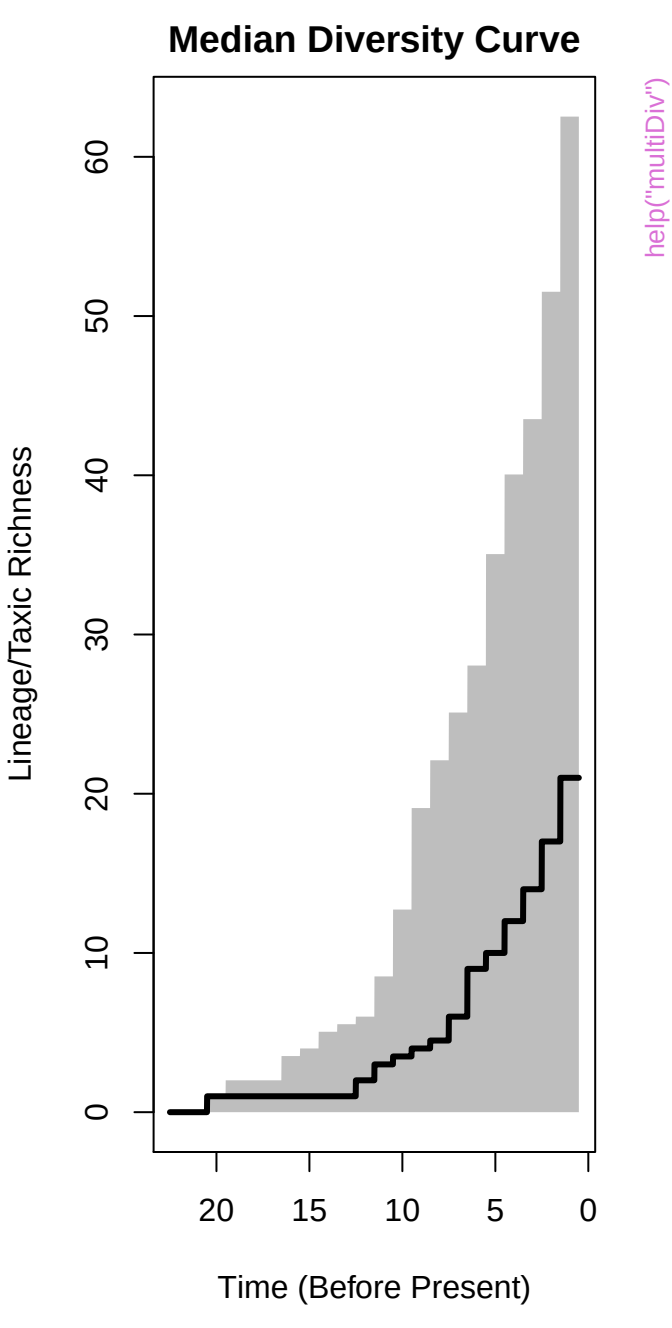

Run #15 of 20
Taxic Richness
0
5
10
15
20
25
20
15
10
5
0
Time (Before Present)
help("multiDiv")

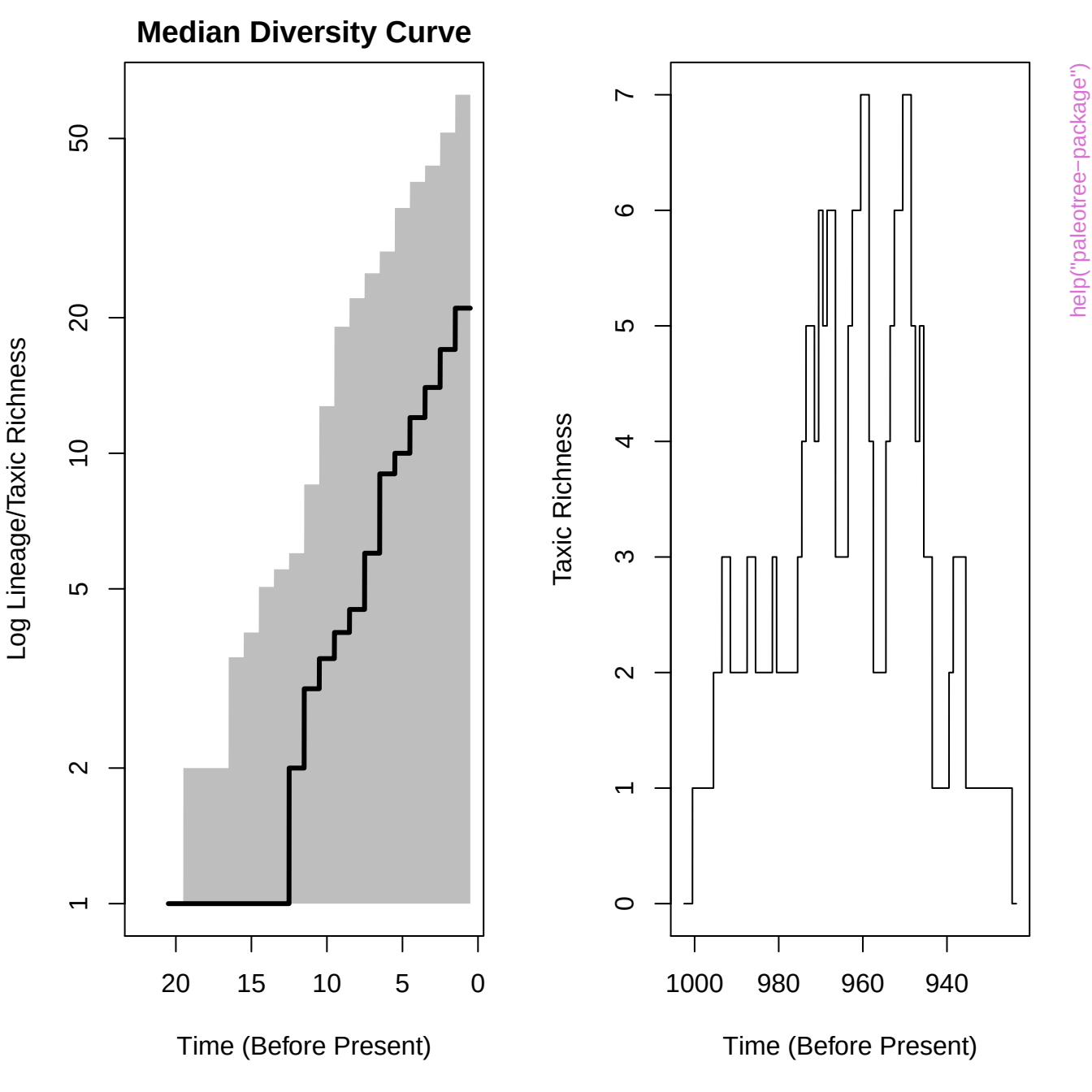

Run #16 of 20
Taxic Richness
0
5
10
15
20
25
30
35
20
15
10
5
0
Time (Before Present)
Run #17 of 20
Taxic Richness
0
5
10
15
20
14
10
8
6
4
2
0
Time (Before Present)
help("multiDiv")

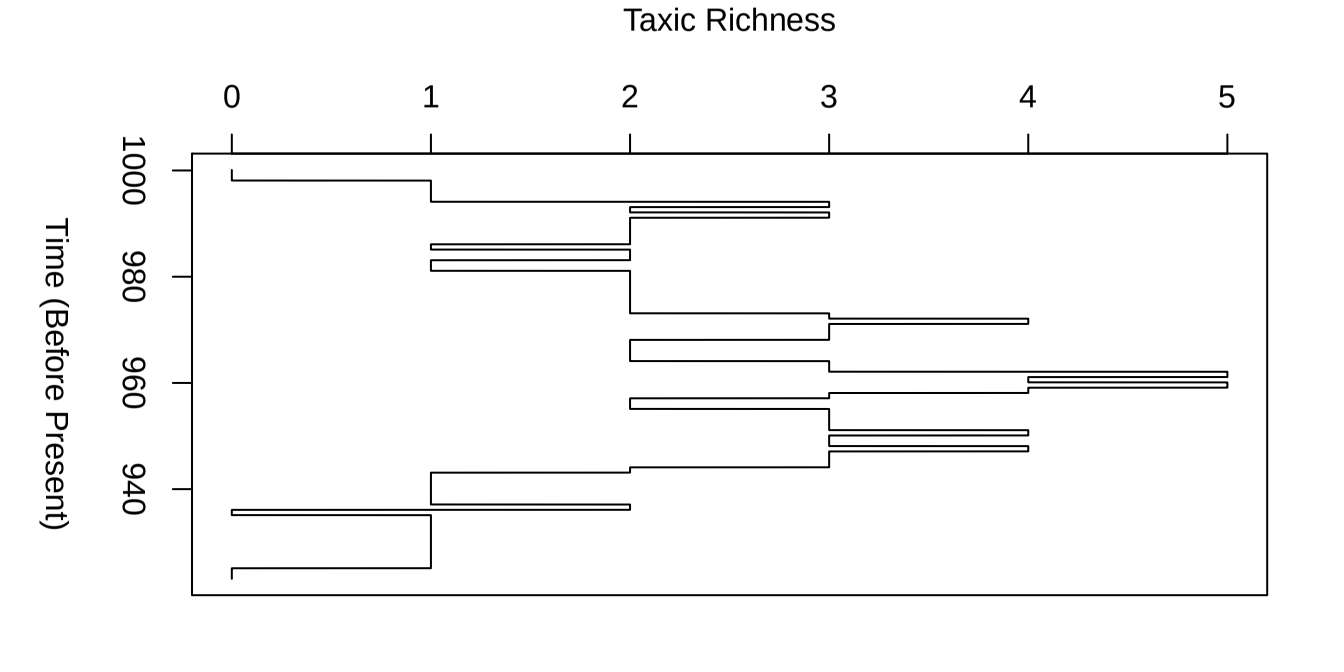

Run #18 of 20
Taxic Richness
0
10
20
30
40
50
60
12
10
8
6
4
2
0
Time (Before Present)

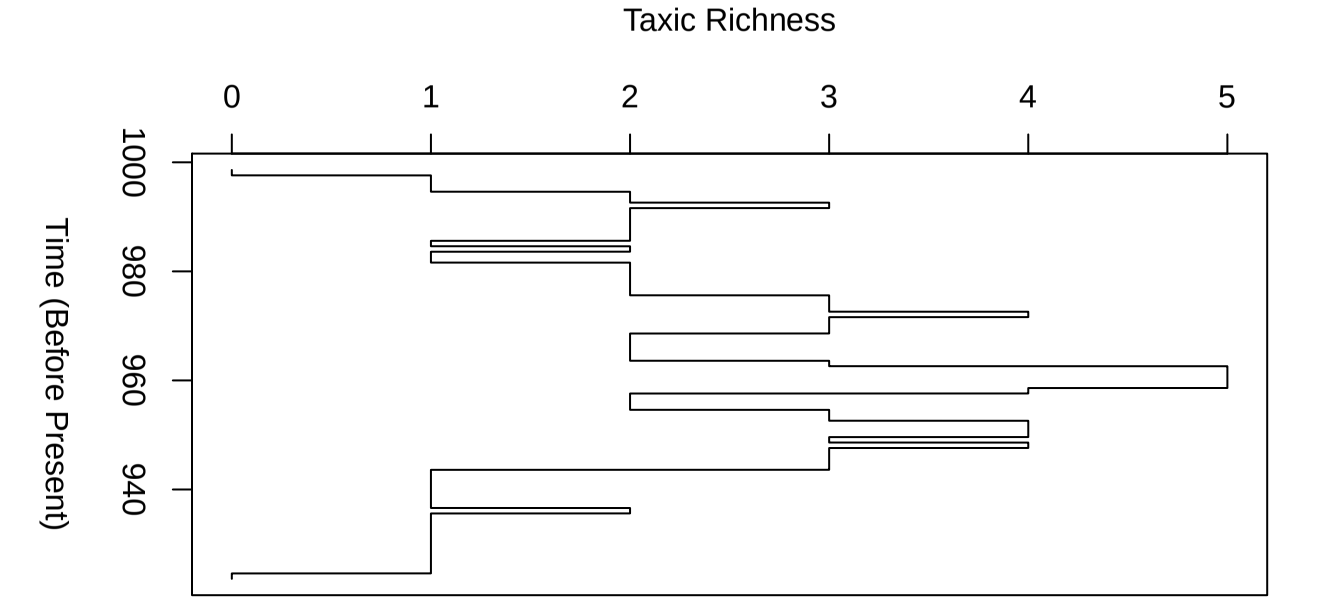

Run #19 of 20
Taxic Richness
0
5
10
15
20
15
10
5
0
Time (Before Present)
help("multiDiv")

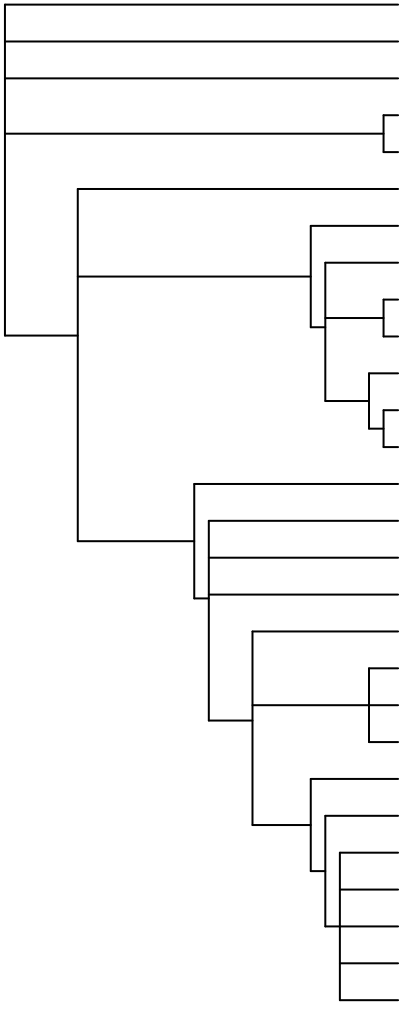

Run #20 of 20
Taxic Richness
0.0
0.2
0.4
0.6
0.8
1.0
20.5
20.0
19.5
19.0
18.5
Time (Before Present)

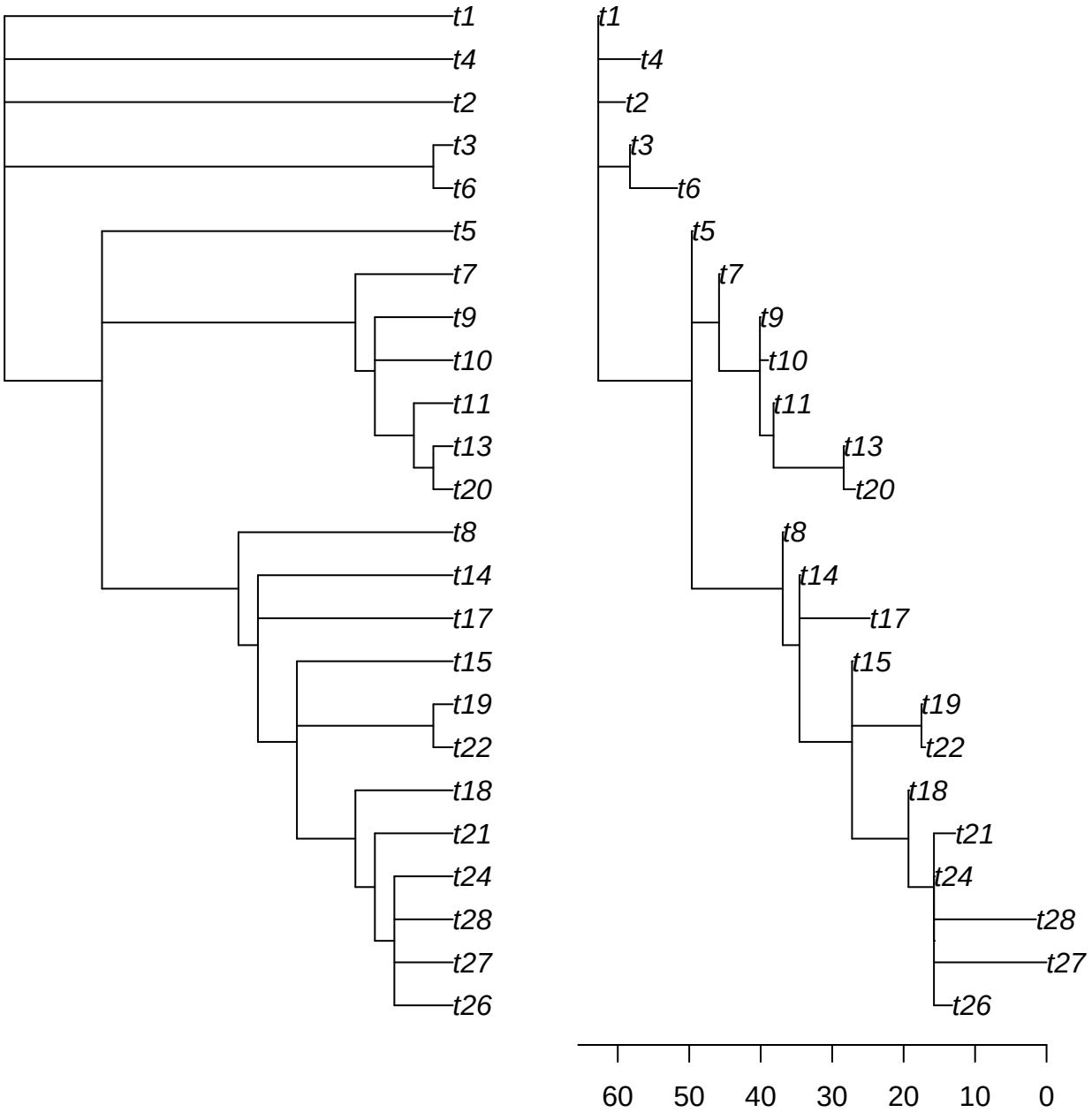

Median Diversity Curve
Lineage/Taxic Richness
0
10
20
30
40
50
60
20
15
10
5
0
Time (Before Present)
help("multiDiv")


Median Diversity Curve
Log Lineage/Taxic Richness
1
2
5
10
20
50
20
15
10
5
0
Time (Before Present)
Taxic Richness
0
1
2
3
4
5
6
7
1000
980
960
940
Time (Before Present)
help("paleotree-package")

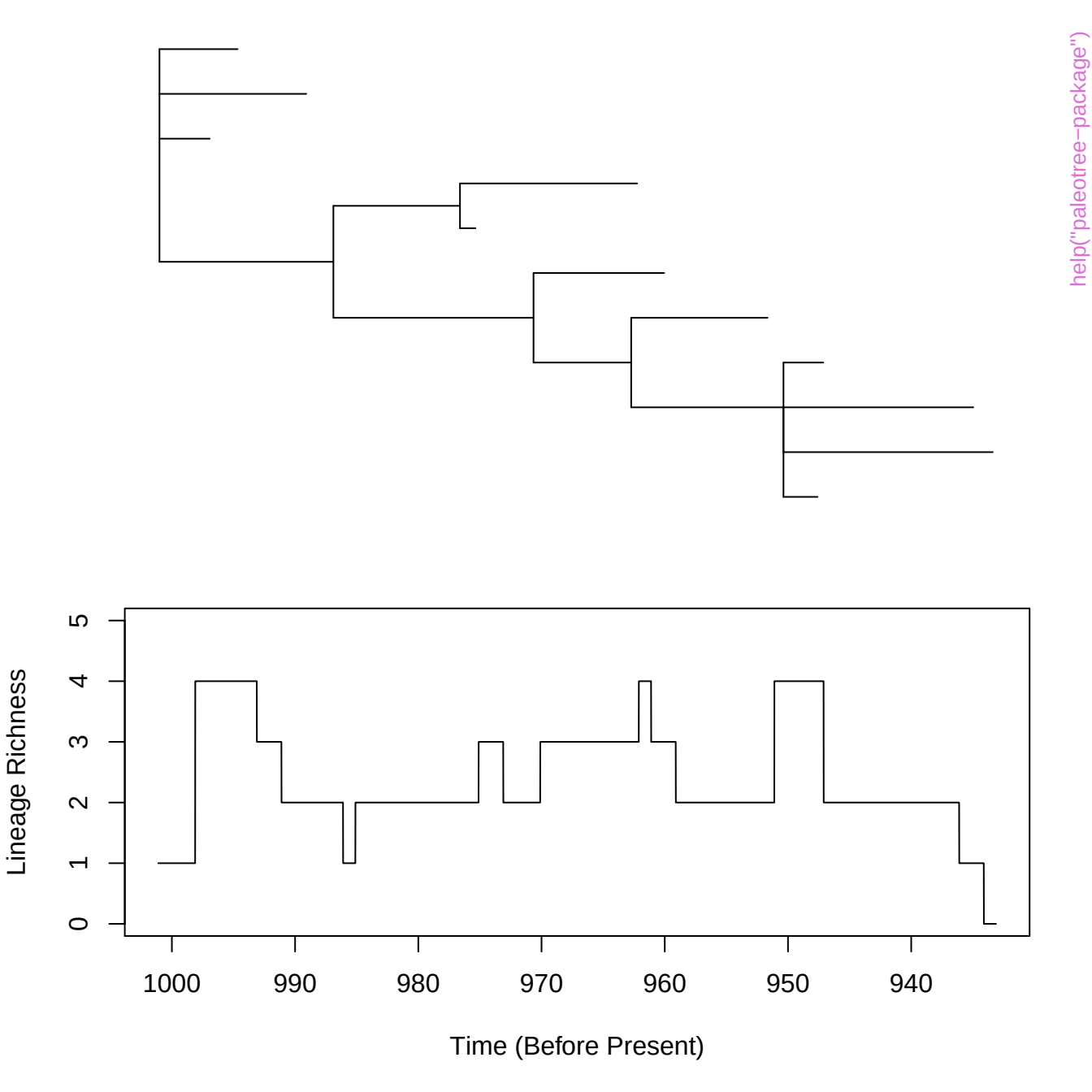

Taxic Richness
0
1
2
3
4
5
1000
980
960
940
Time (Before Present)


Taxic Richness
0
1
2
3
4
5
1000
980
960
940
Time (Before Present)





help("paleotree−package")



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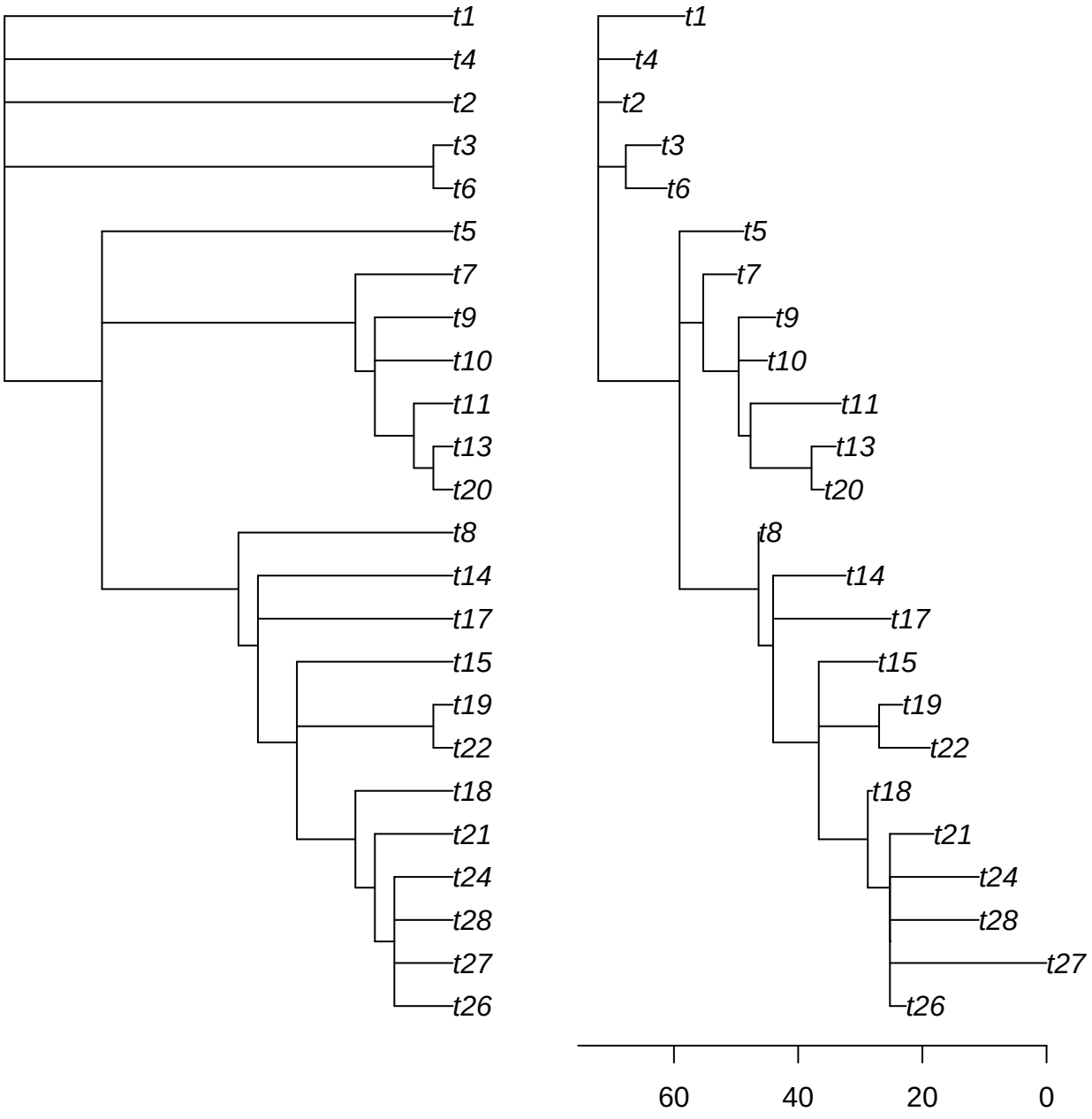

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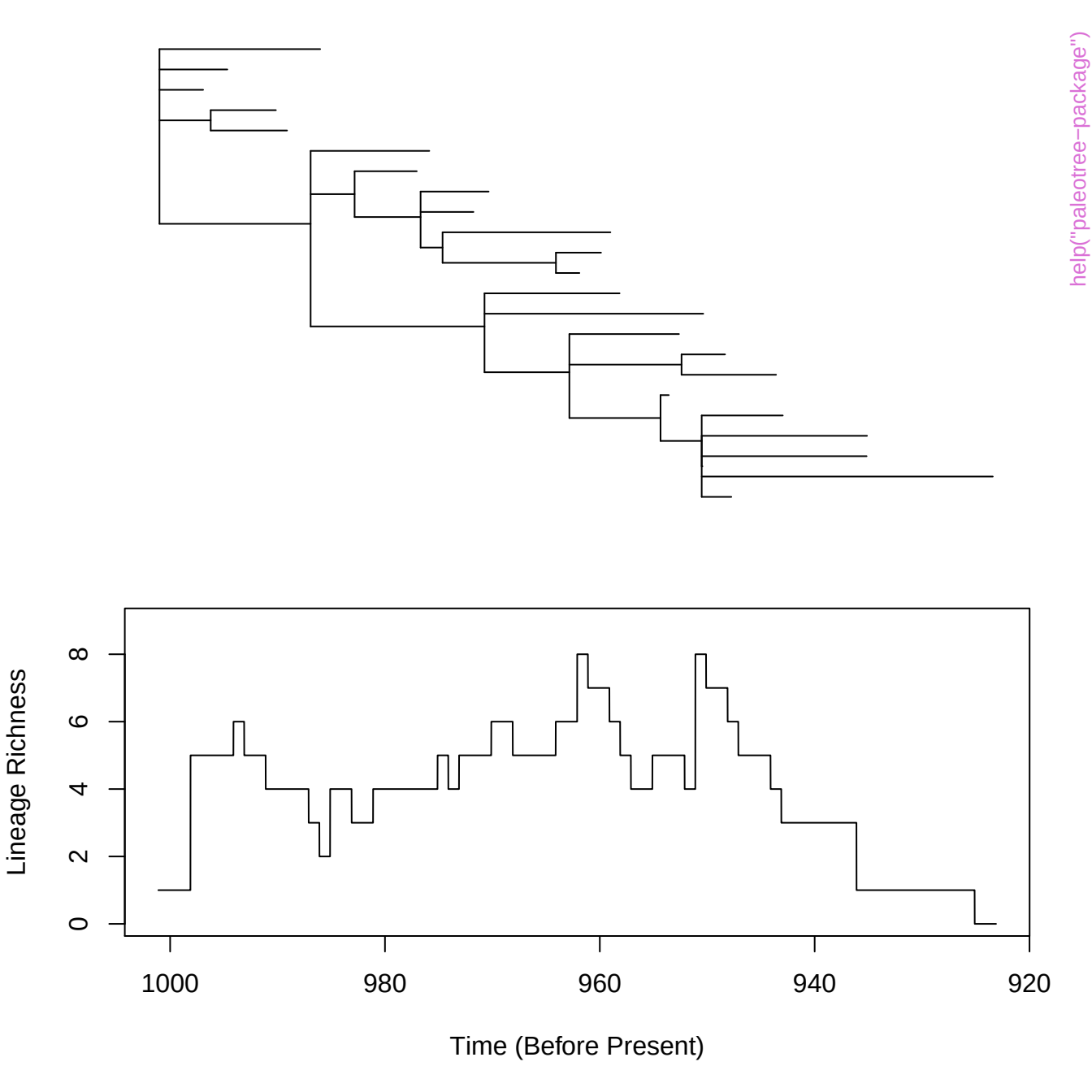
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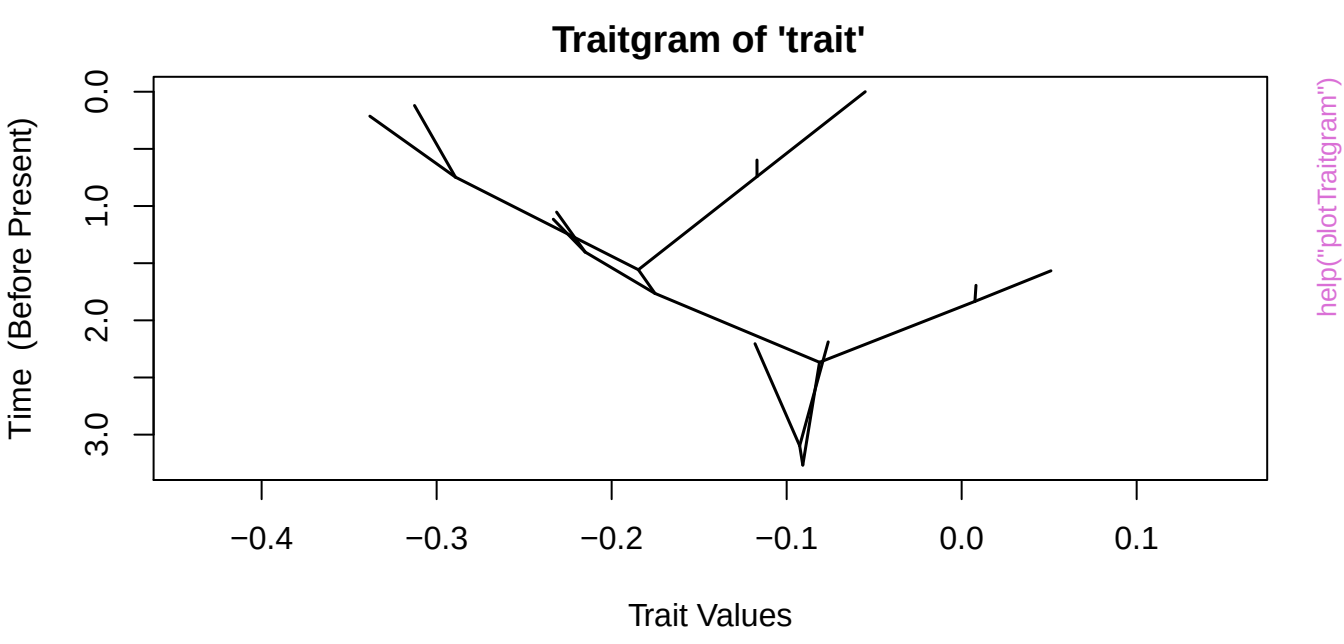
Lineage Richness
0
2
4
6
8
1000
980
960
940
920
Time (Before Present)



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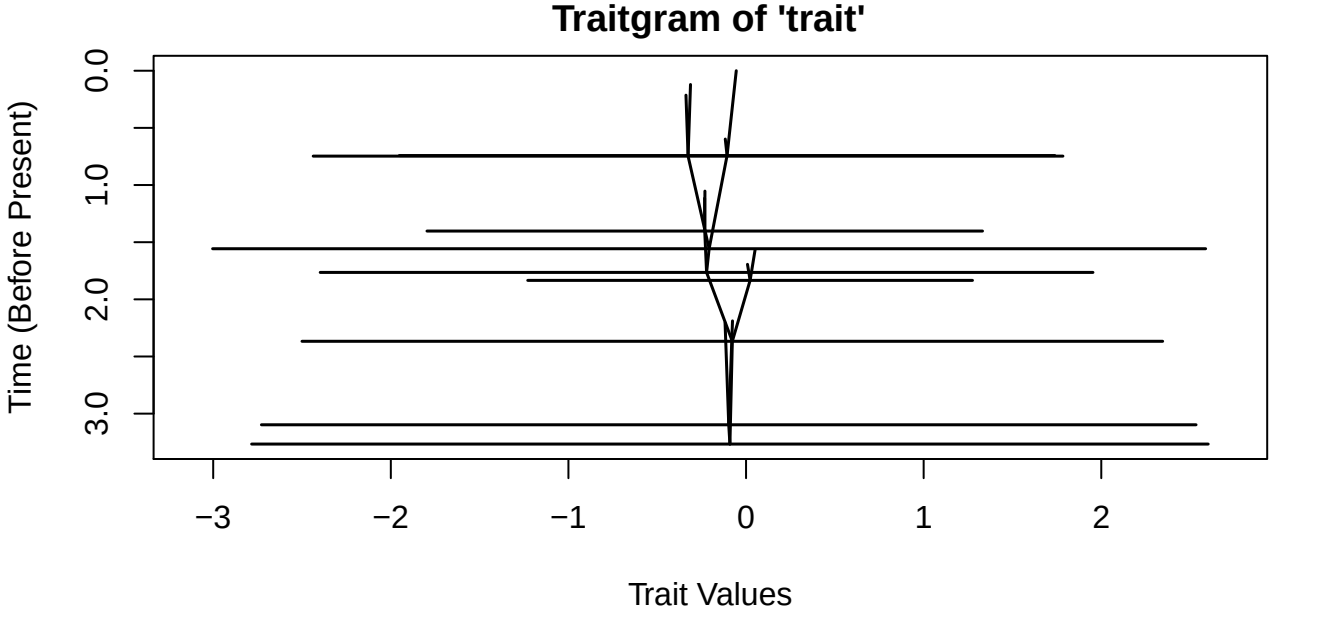

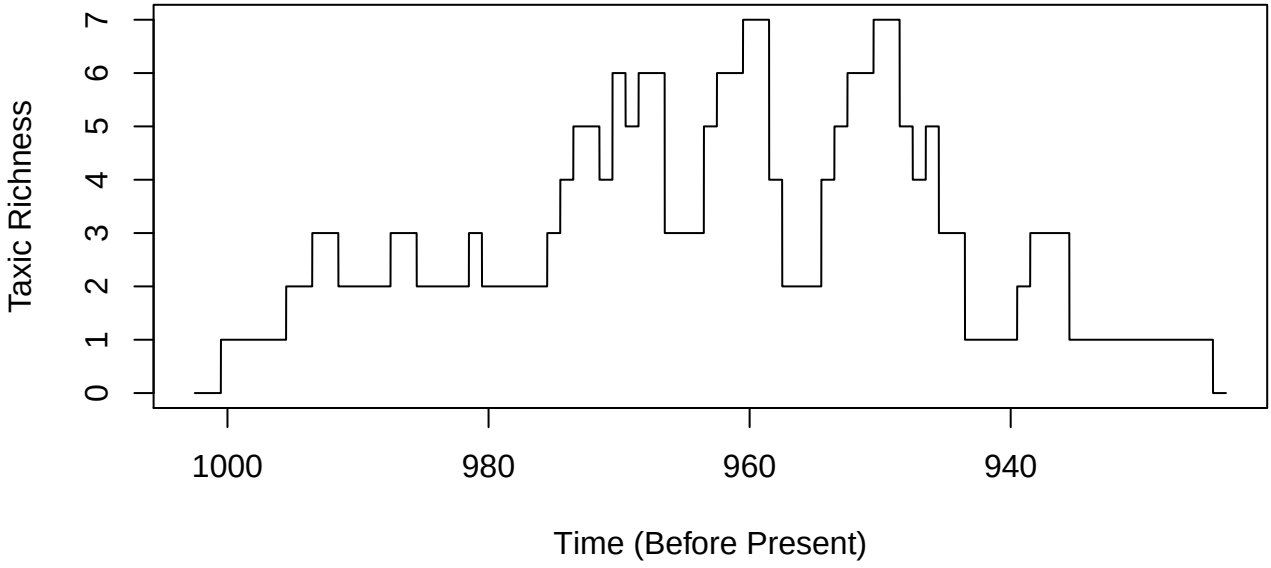

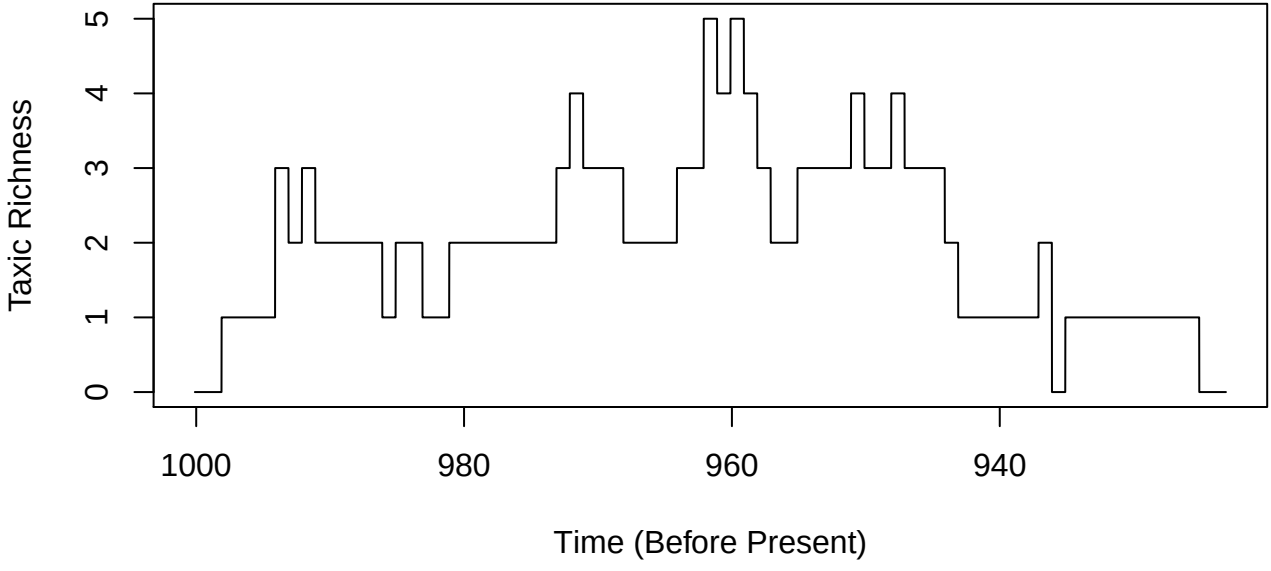

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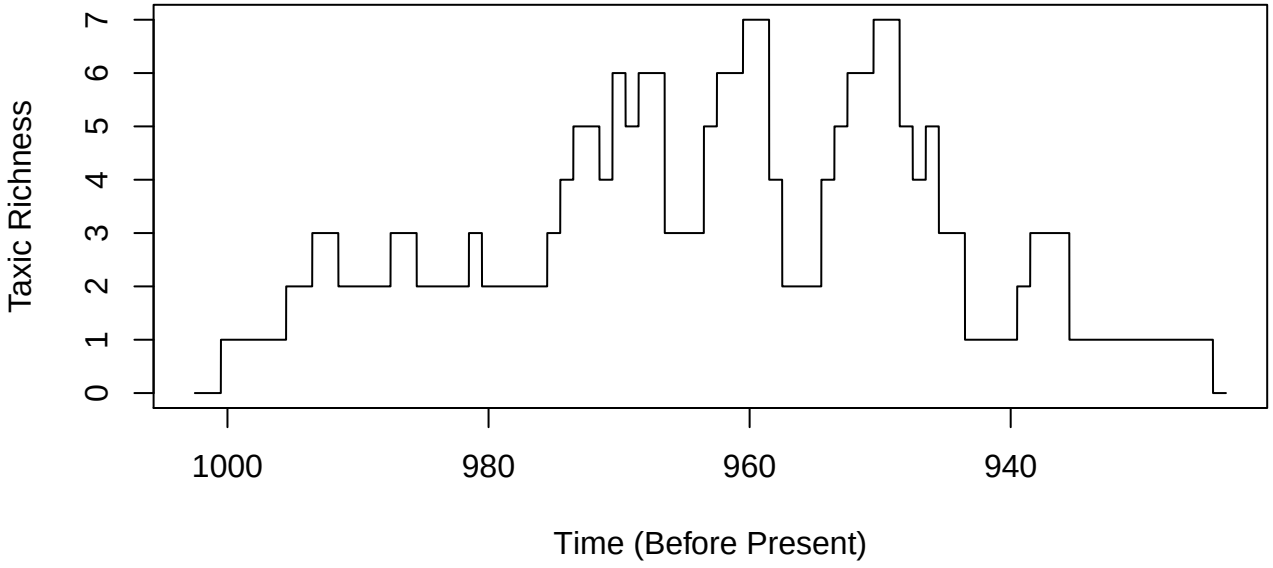

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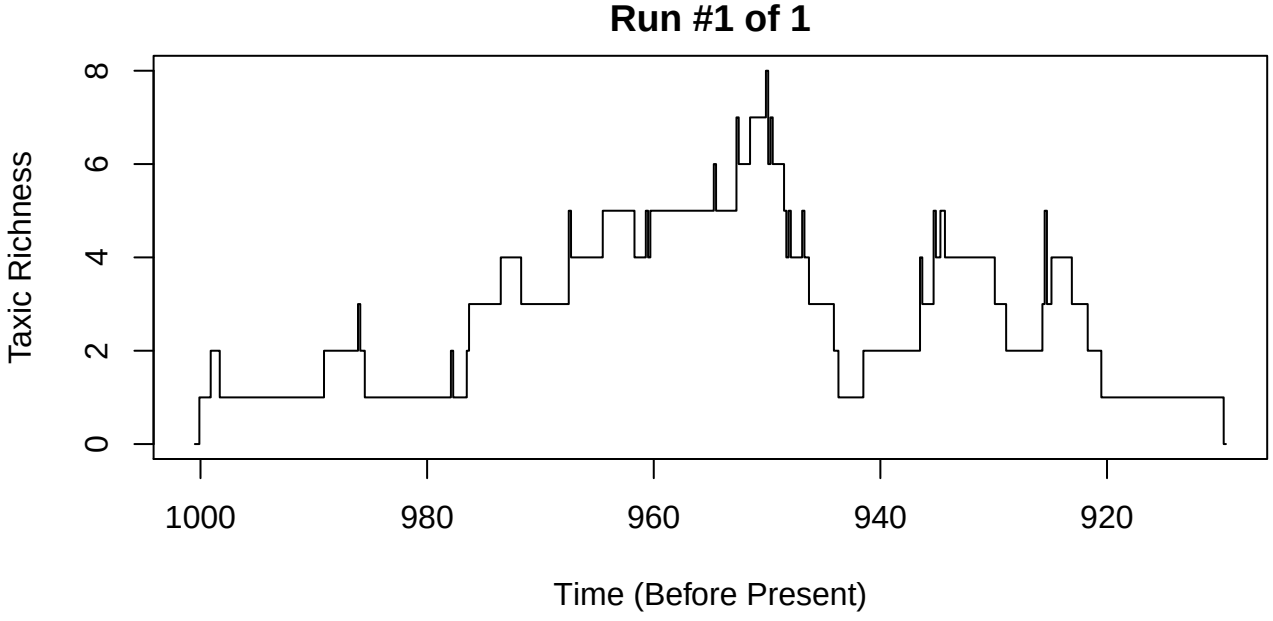

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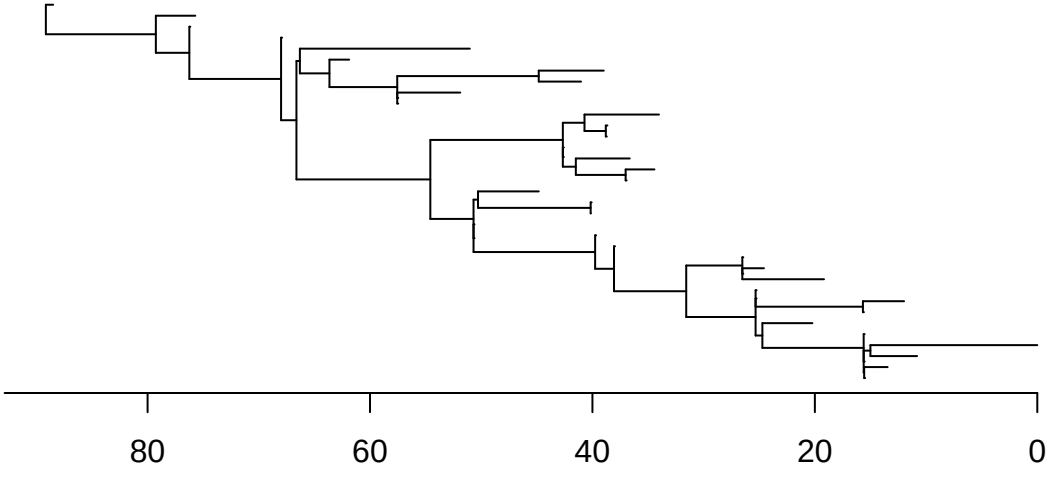

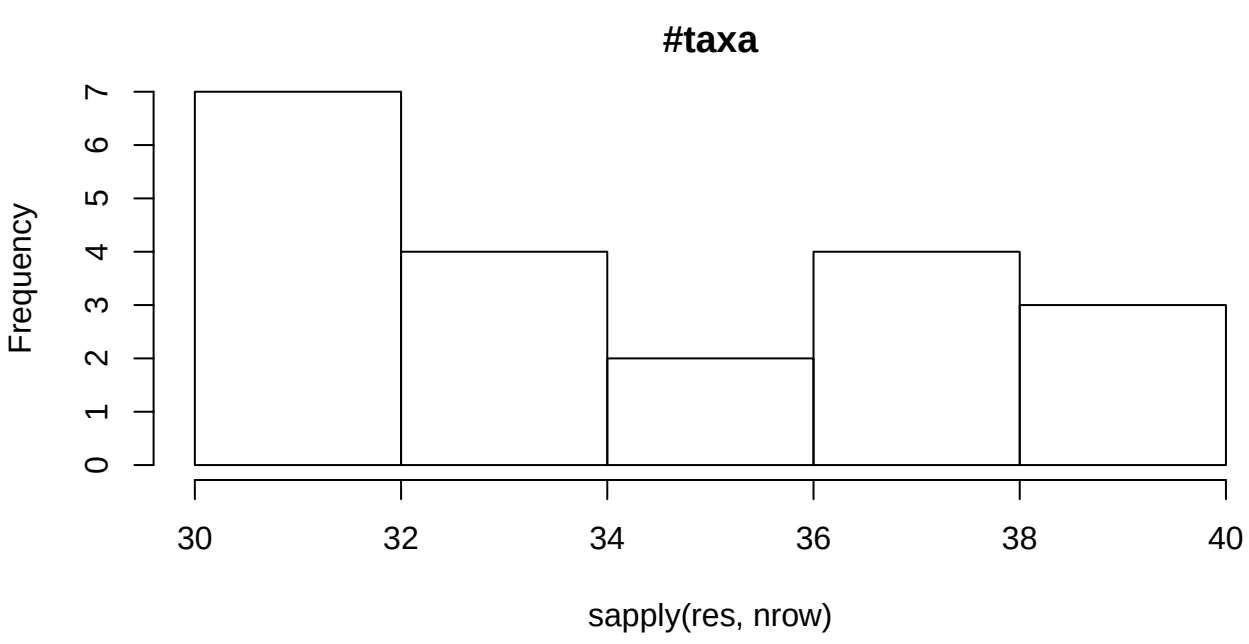

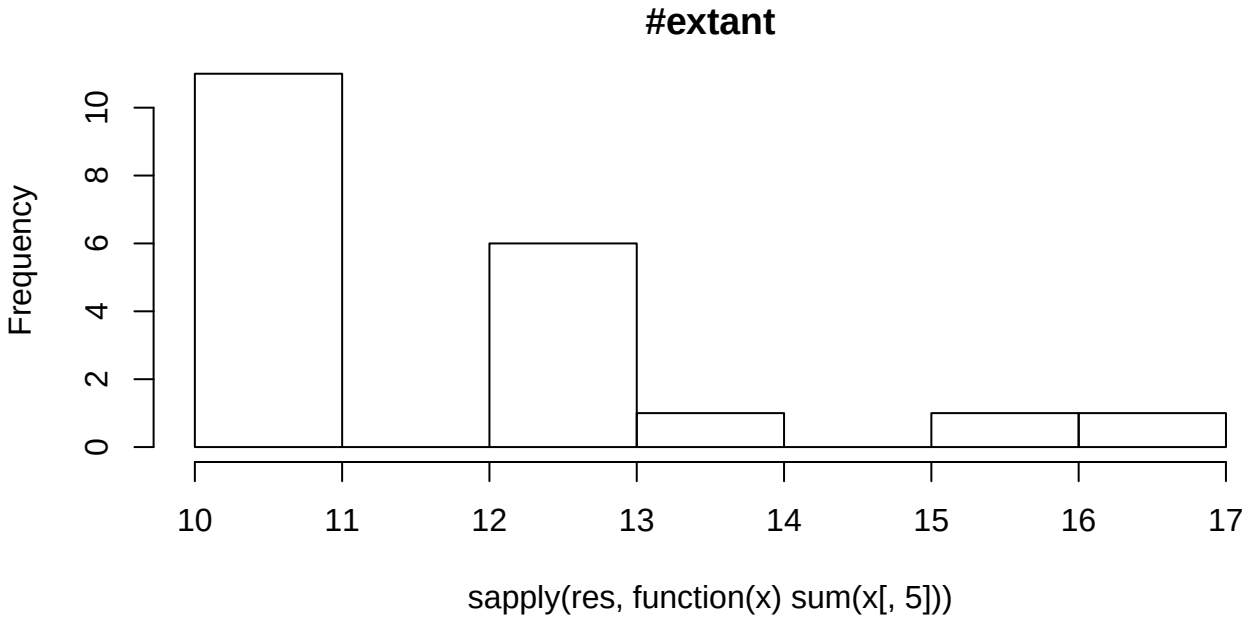

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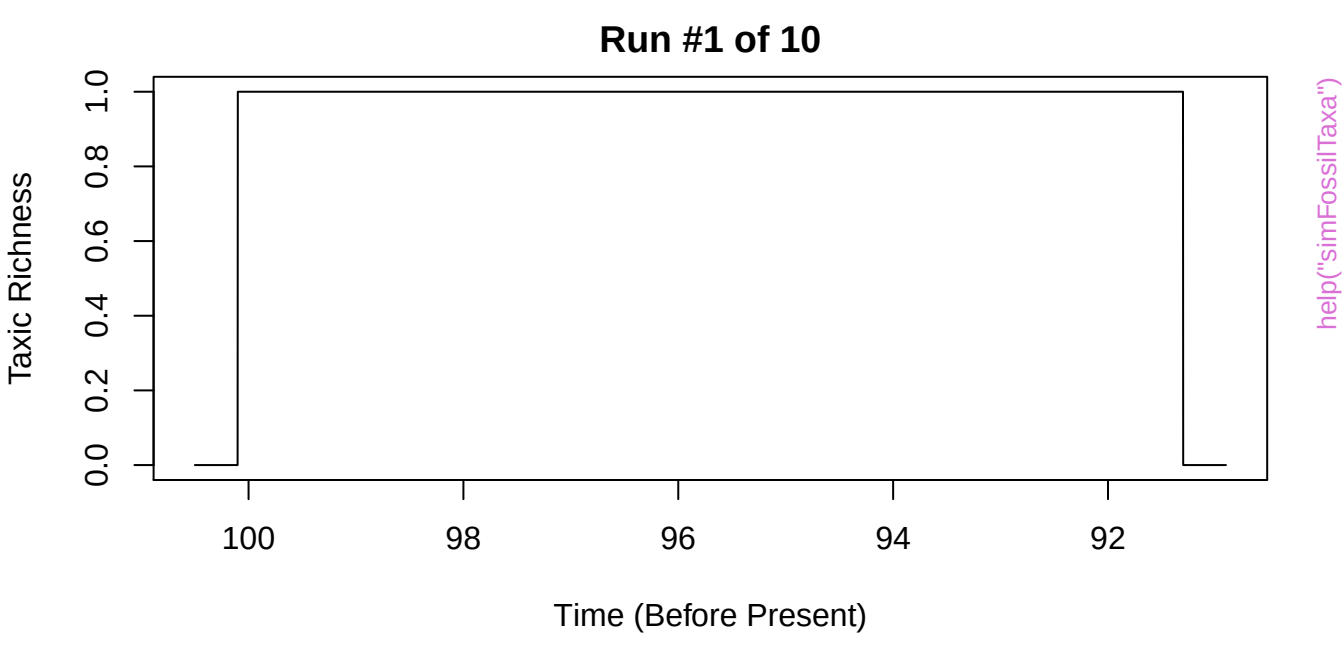

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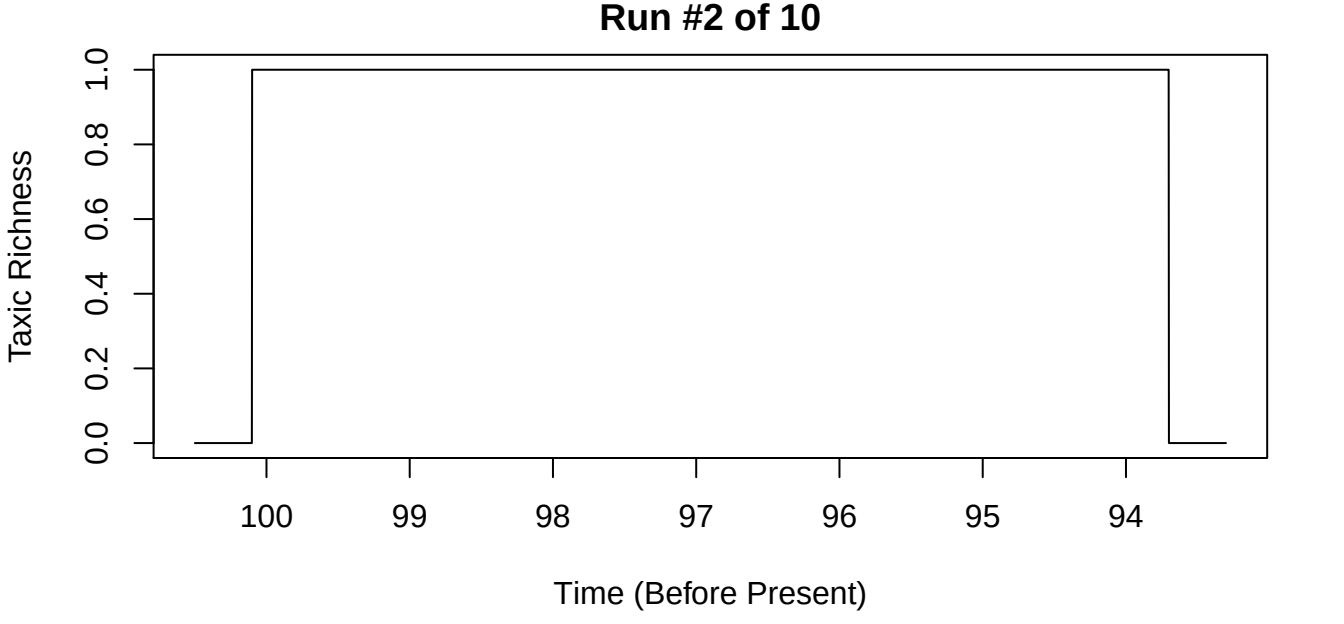

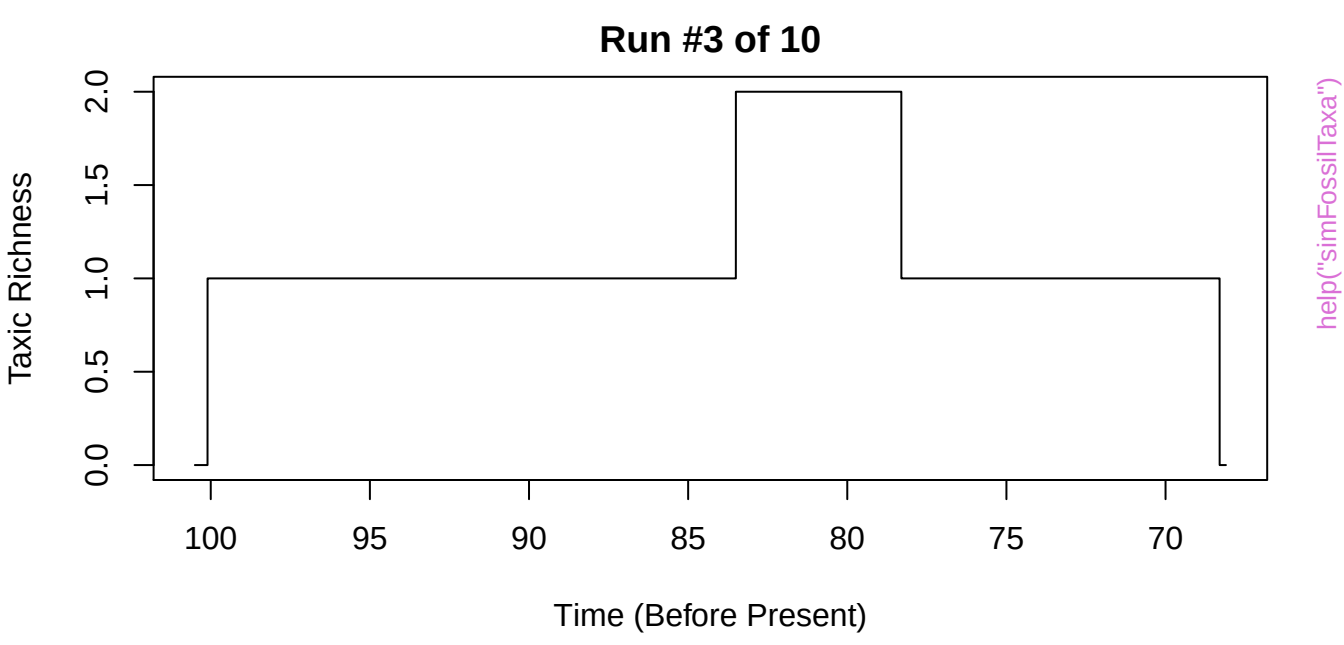

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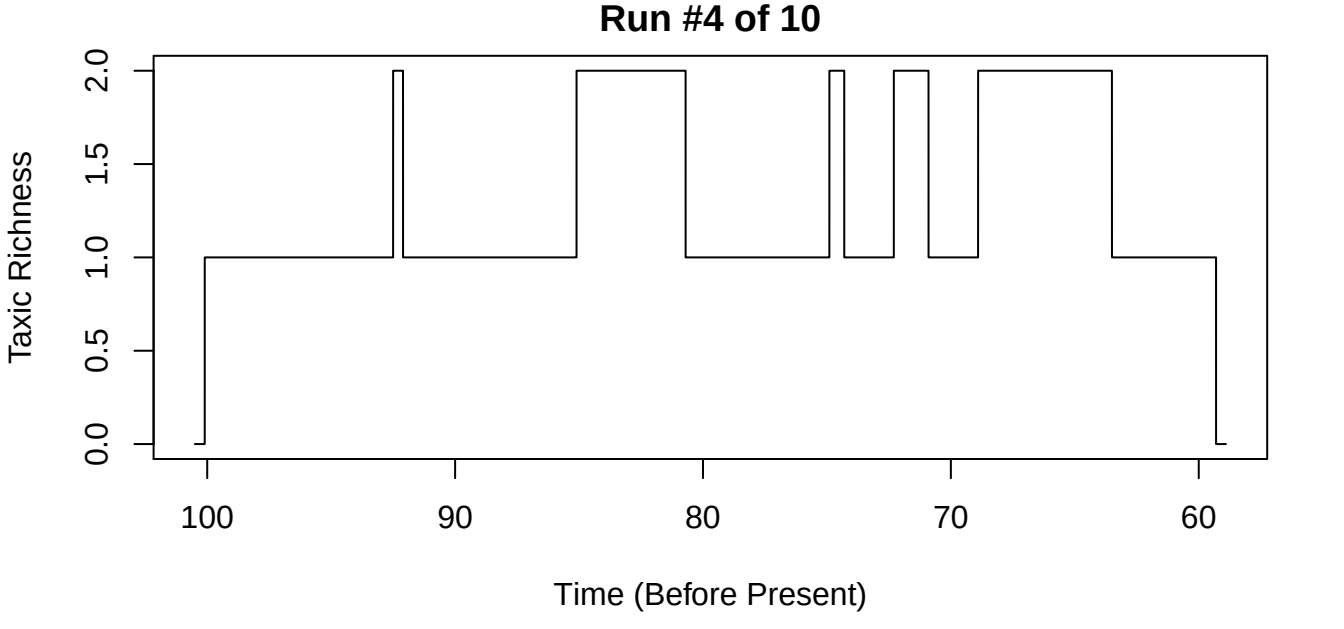

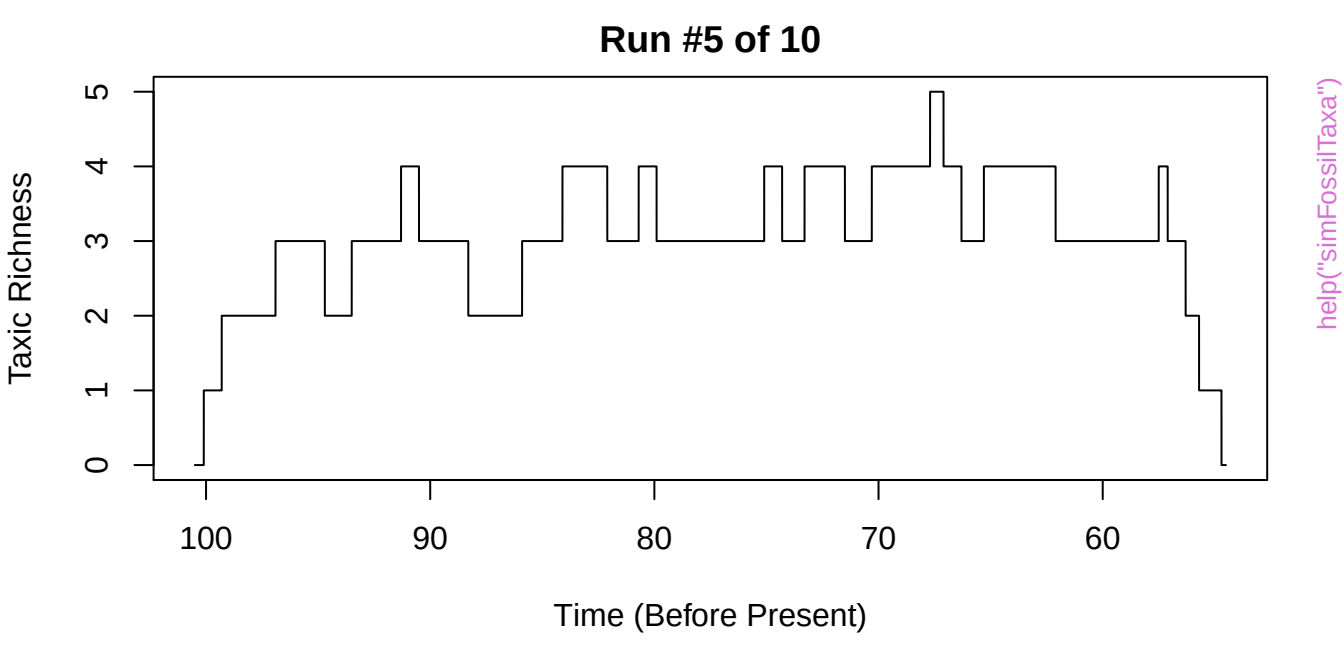

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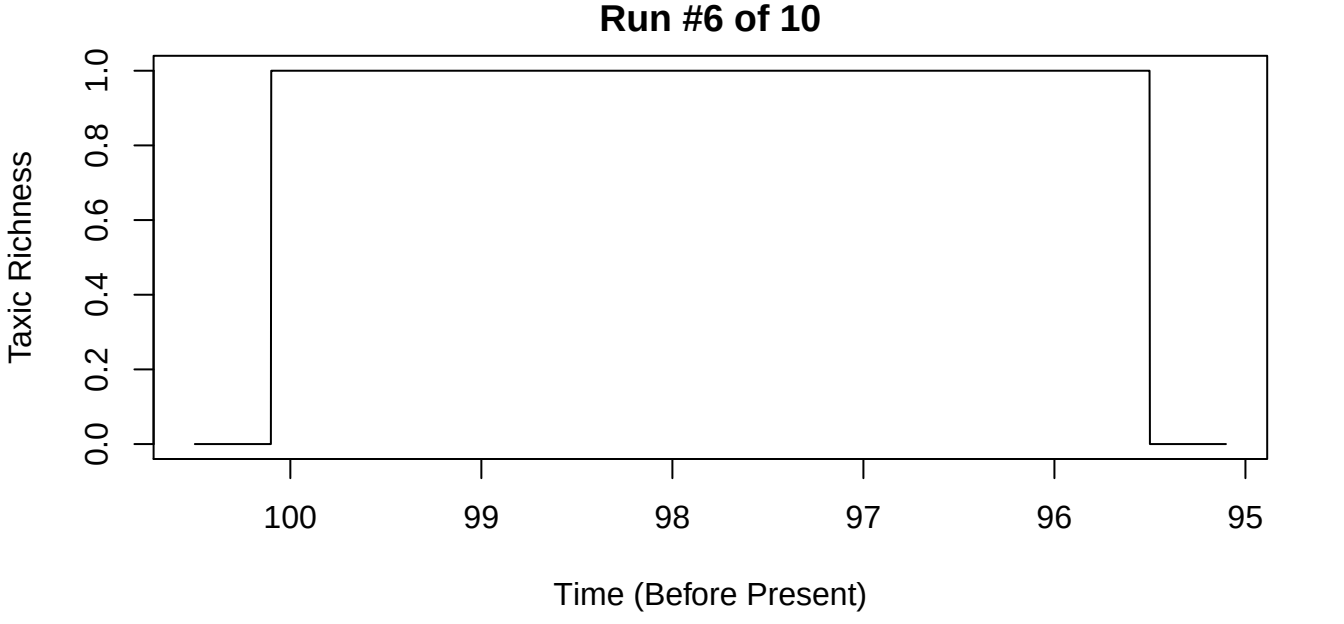

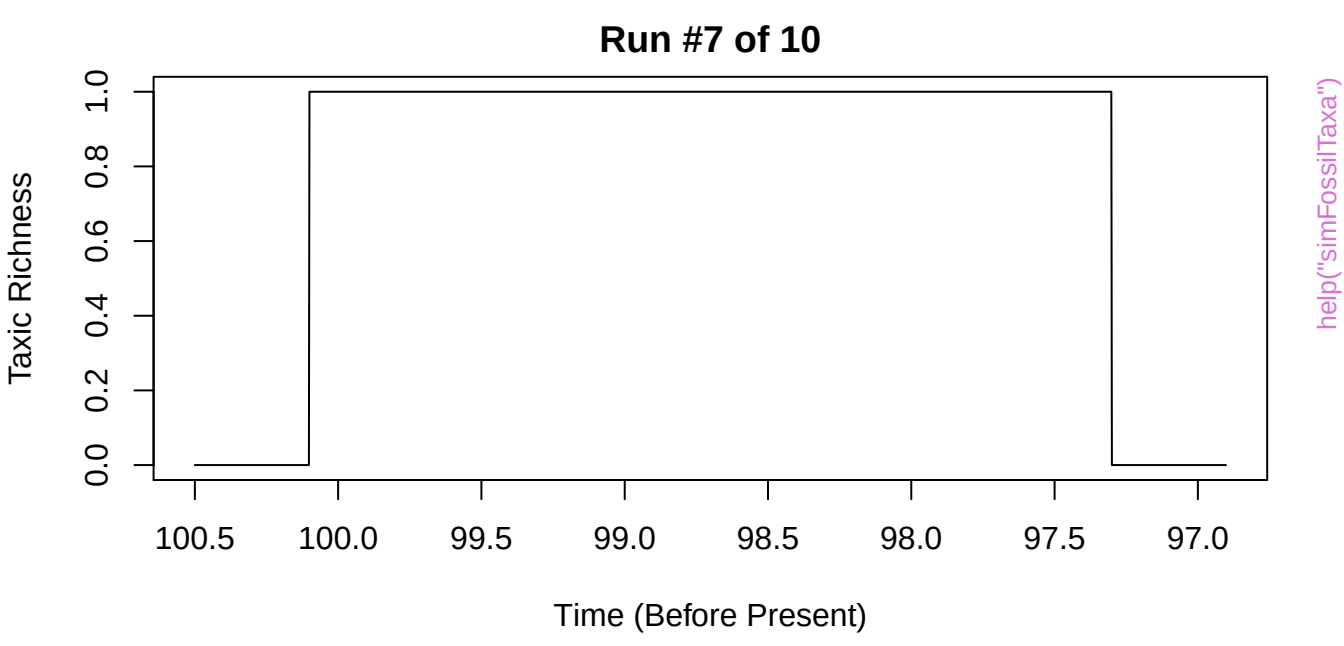

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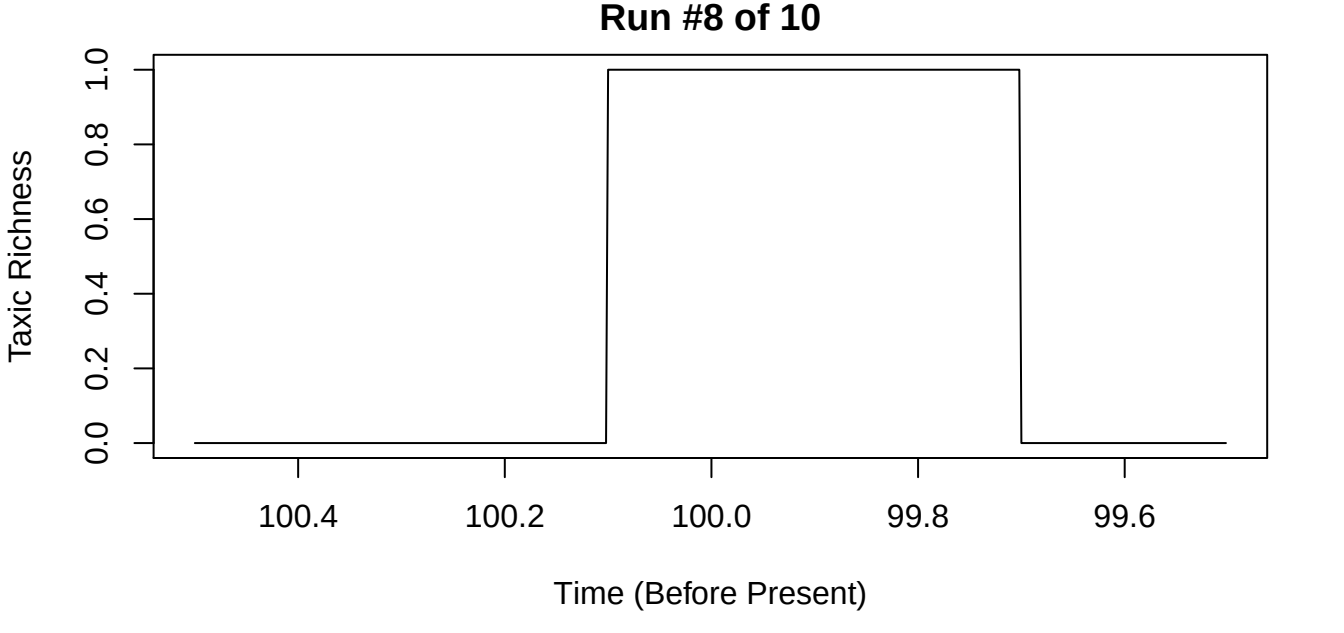

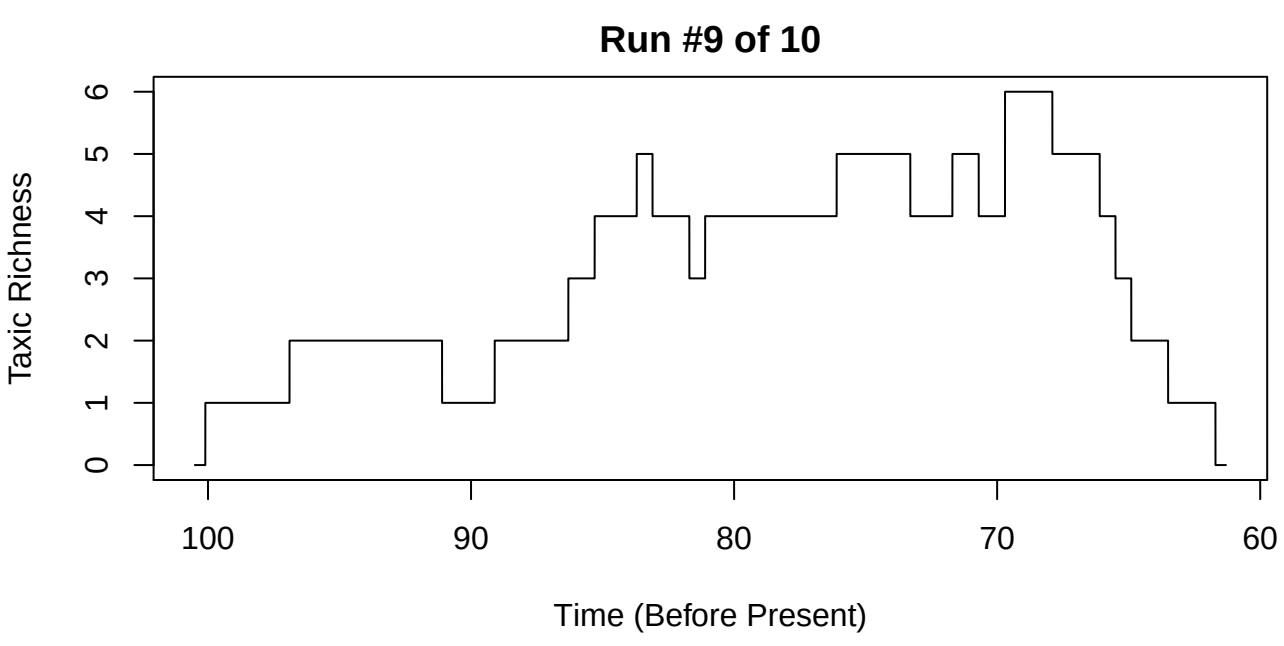

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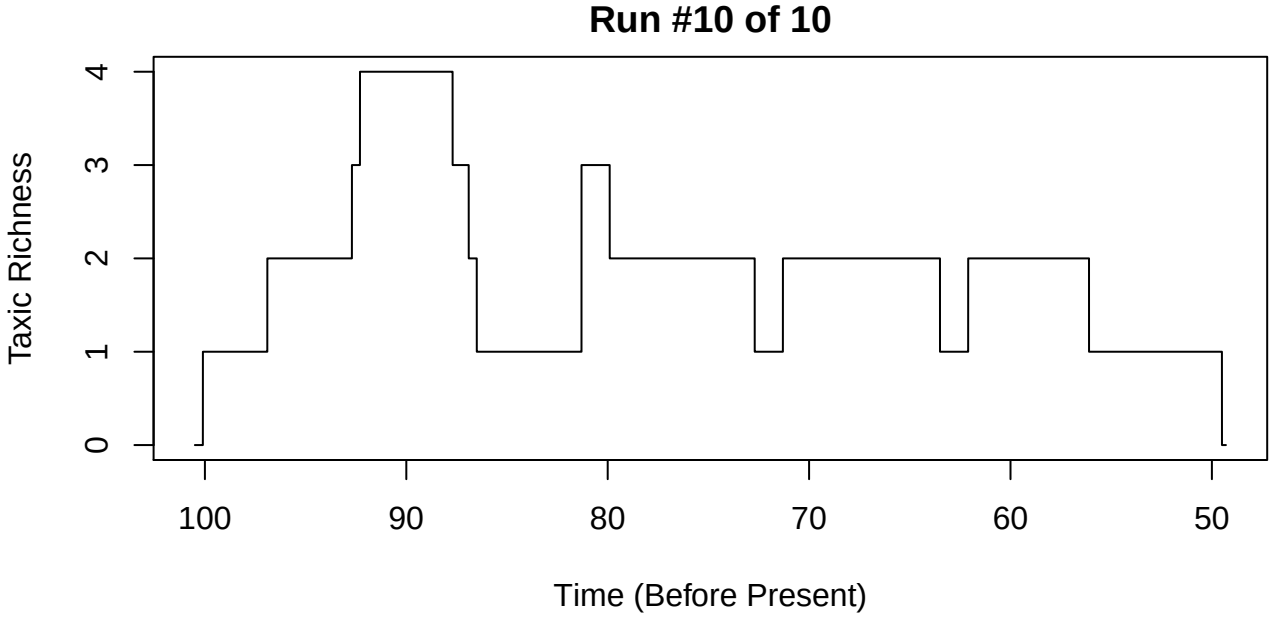
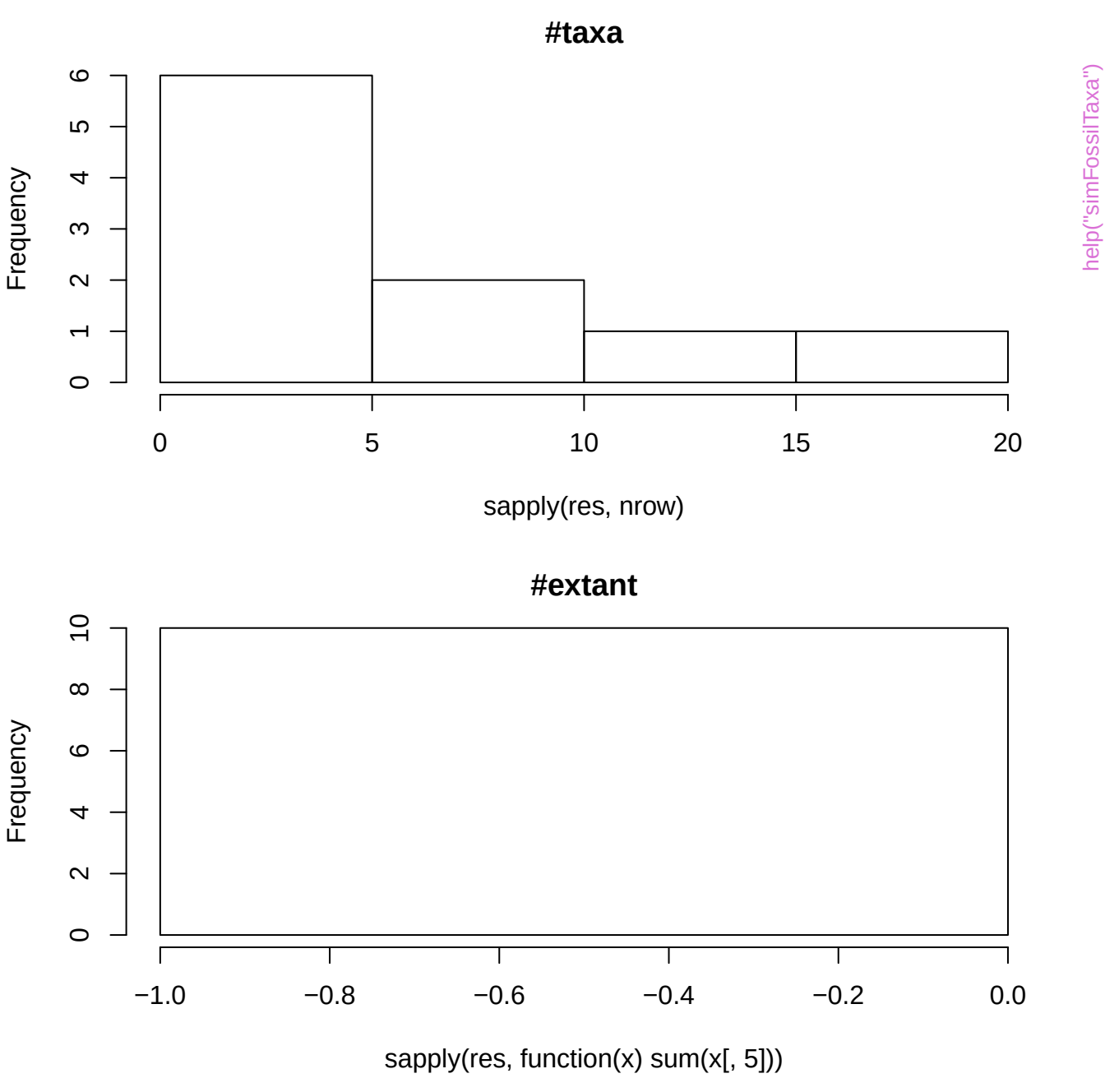
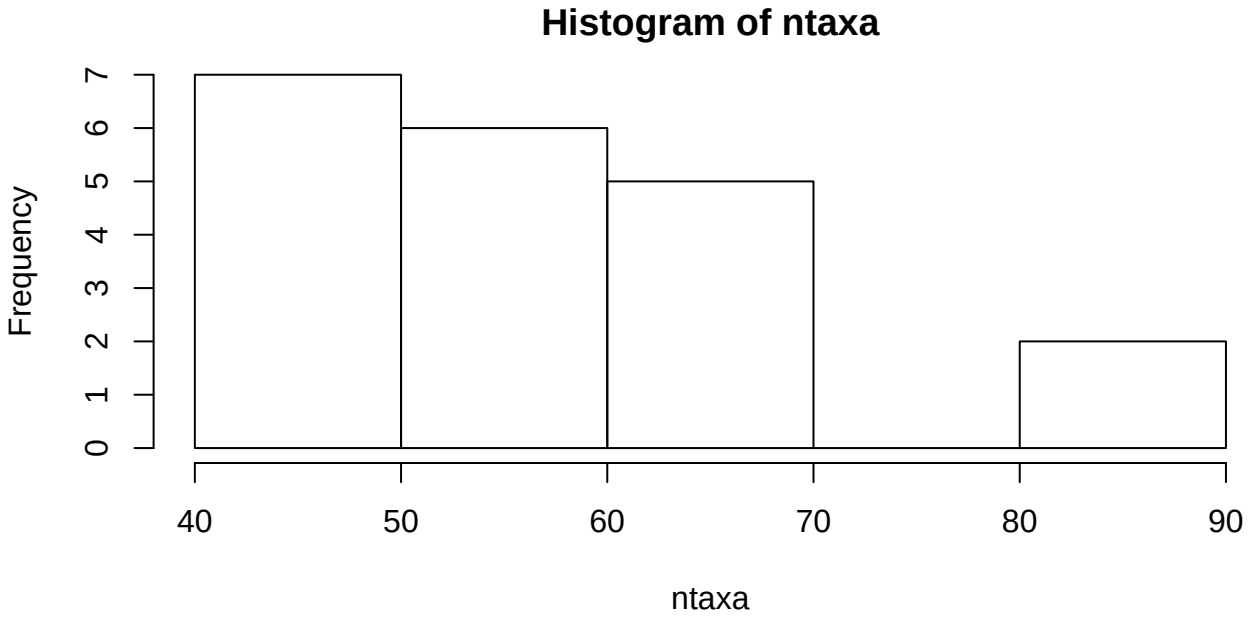



#taxa
Frequency
0
1
2
3
4
5
6
0
5
10
15
20
sapply(res, nrow)
#extant
Frequency
0
2
4
6
8
10
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
sapply(res, function(x) sum(x[, 5]))
help("simFossilTaxa")



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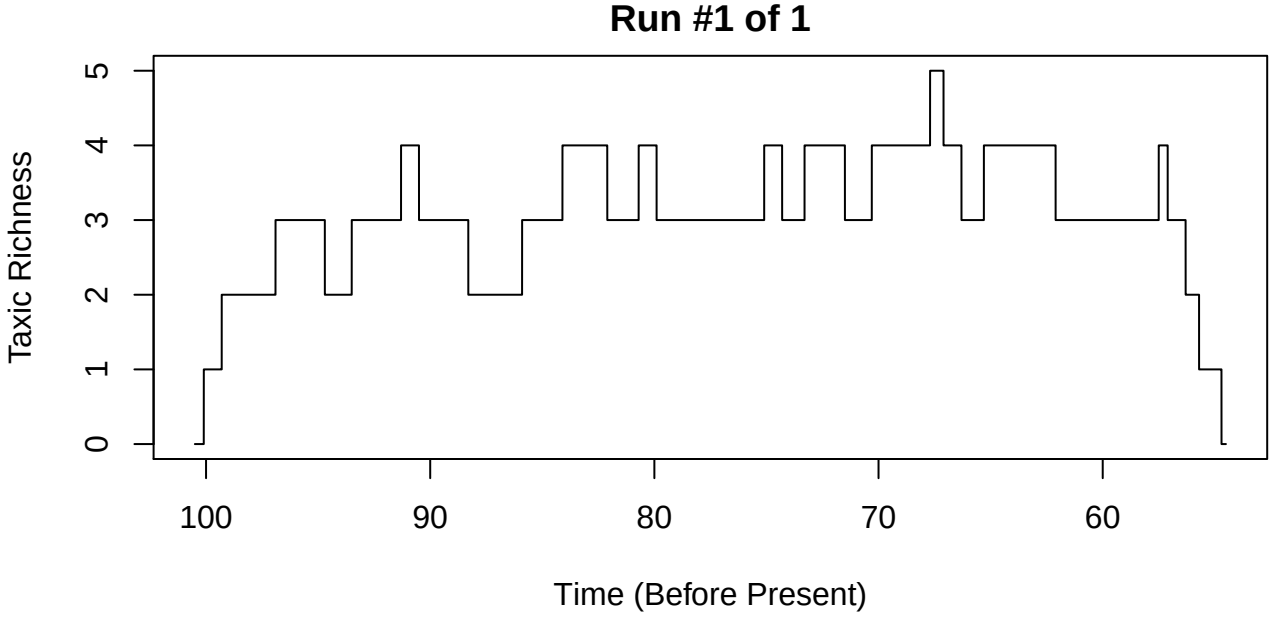
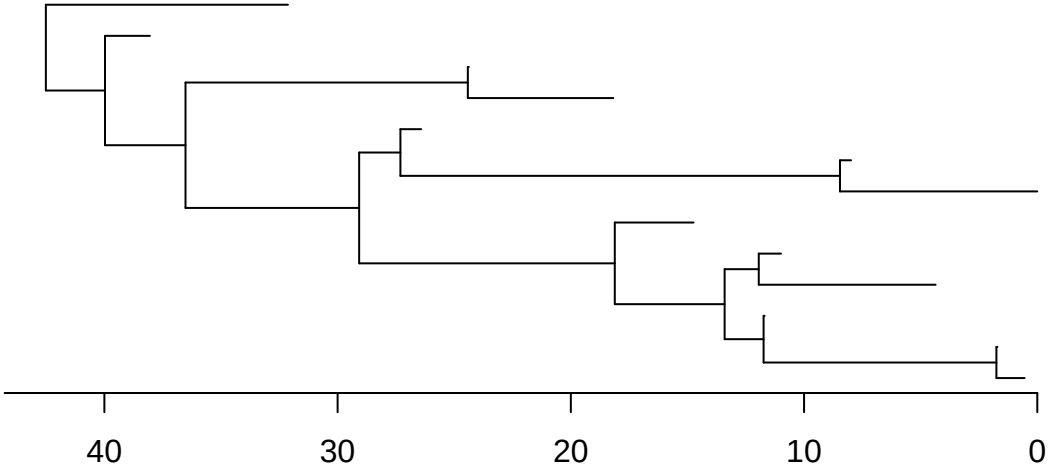
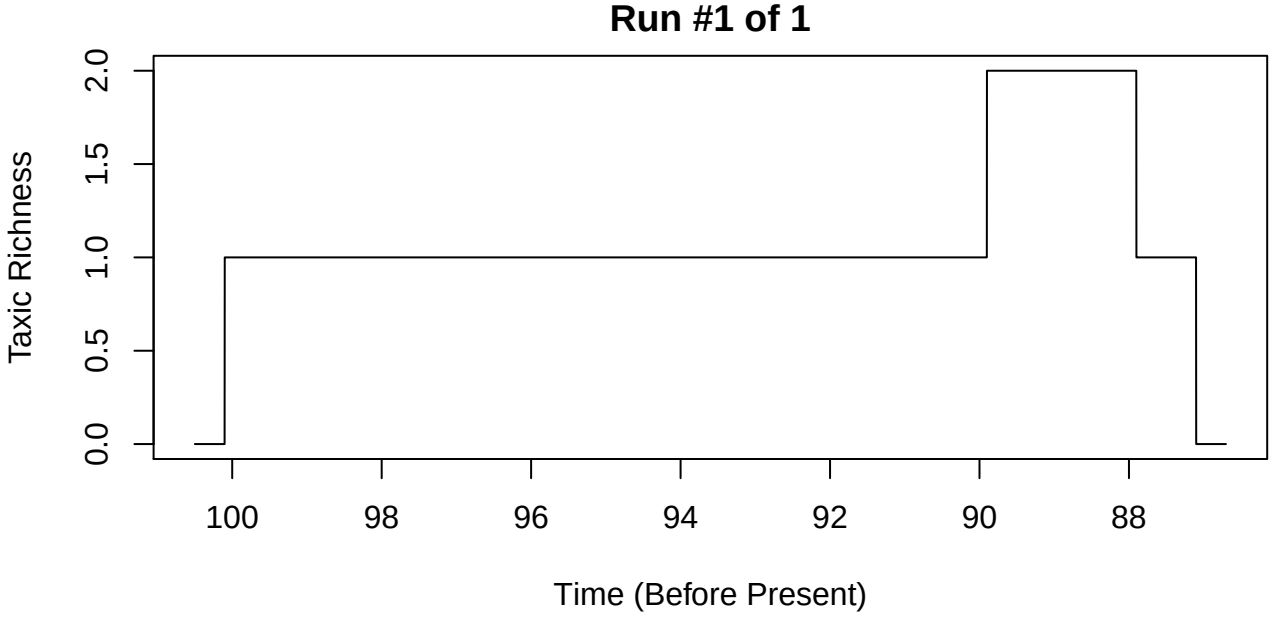
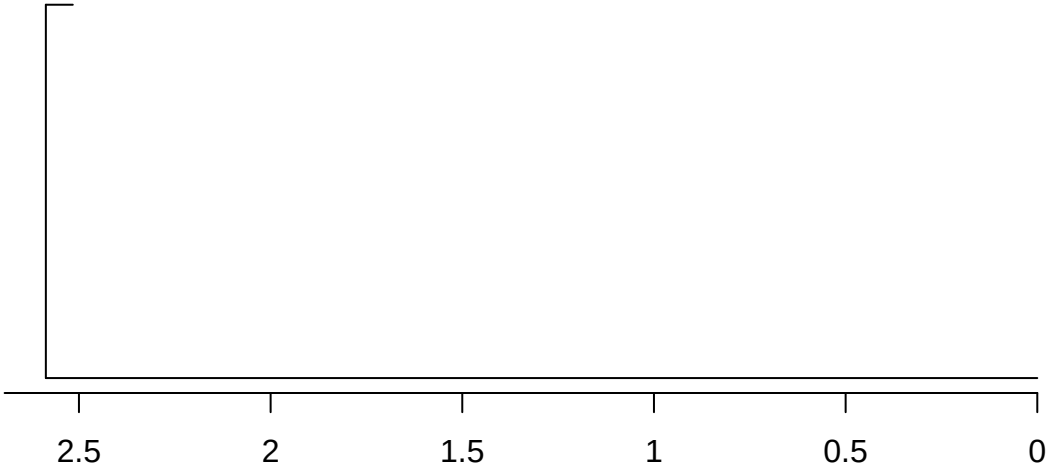


help("simPaleoTrees")







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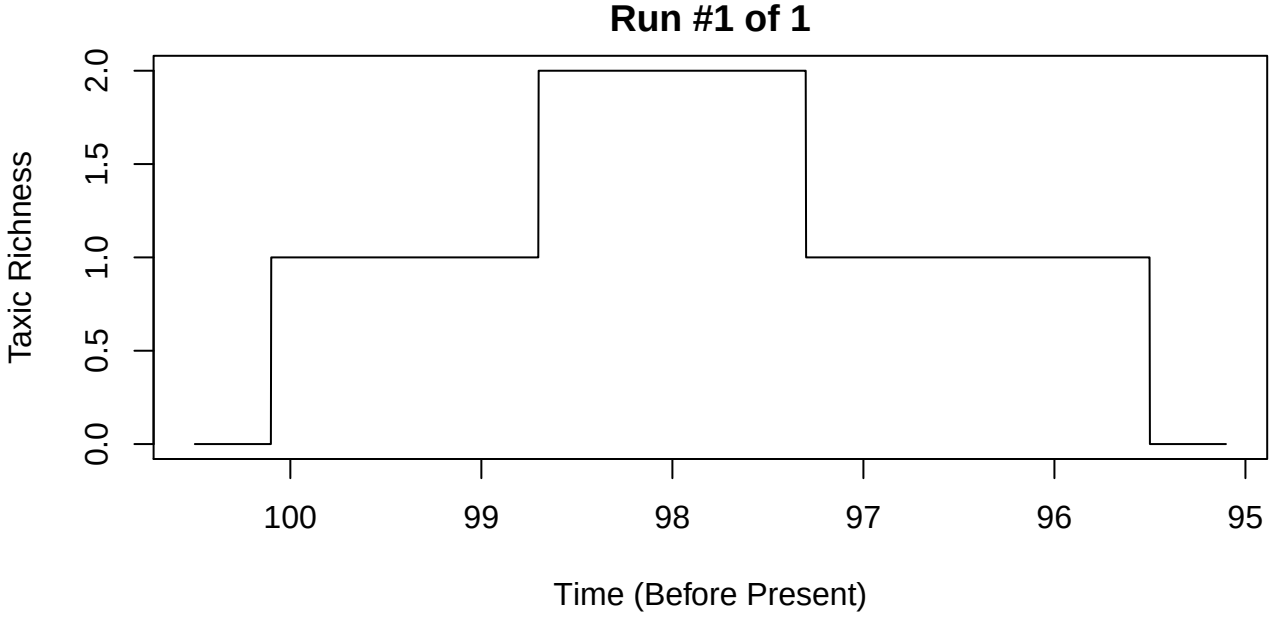
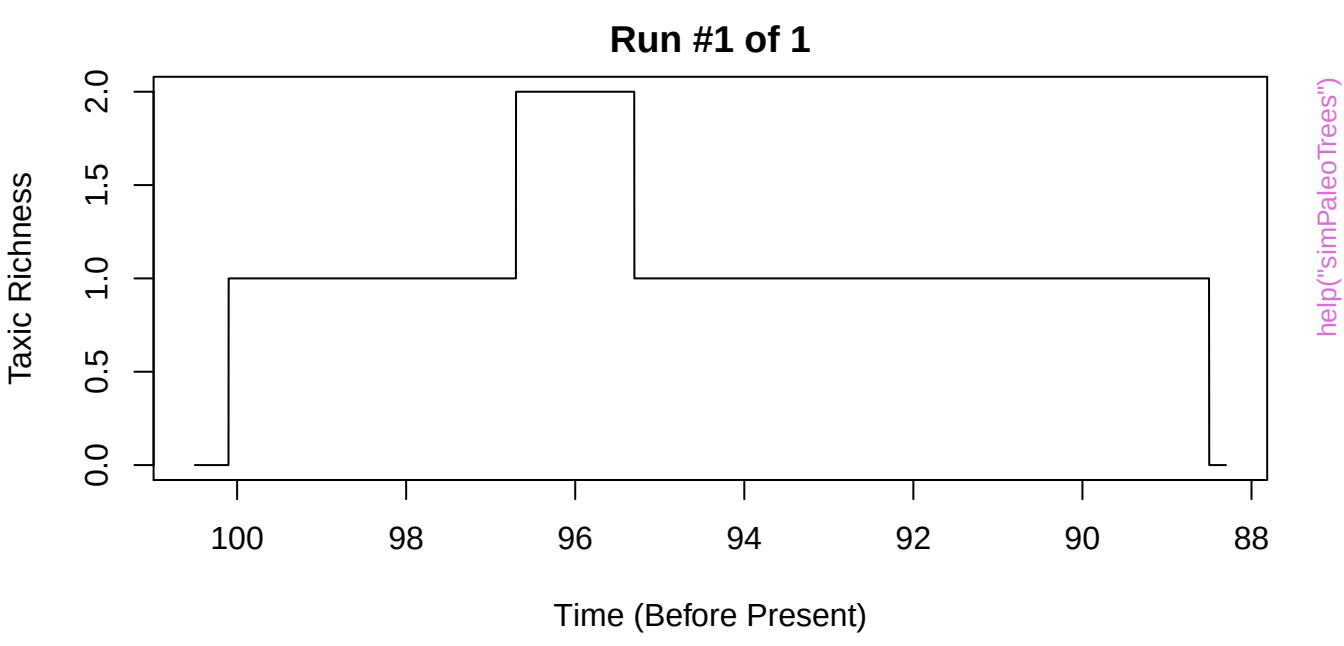
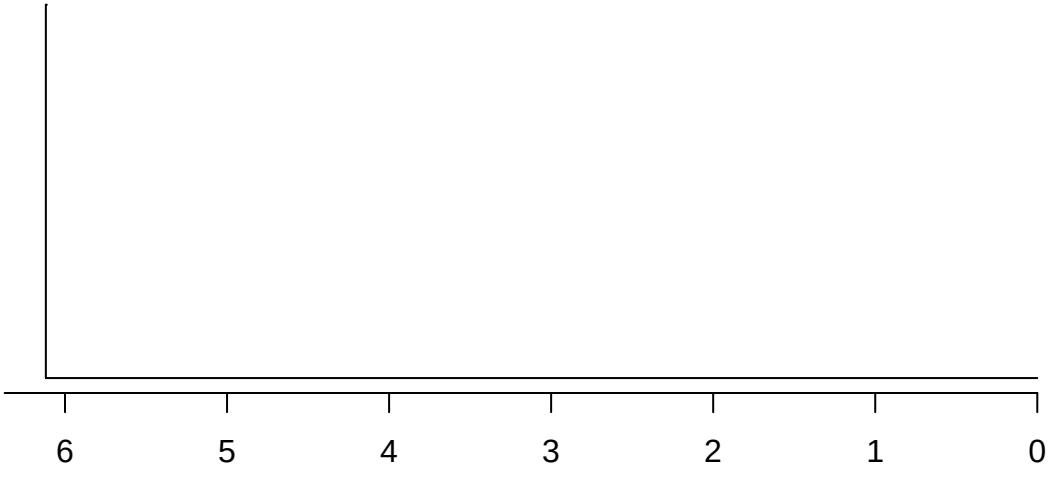
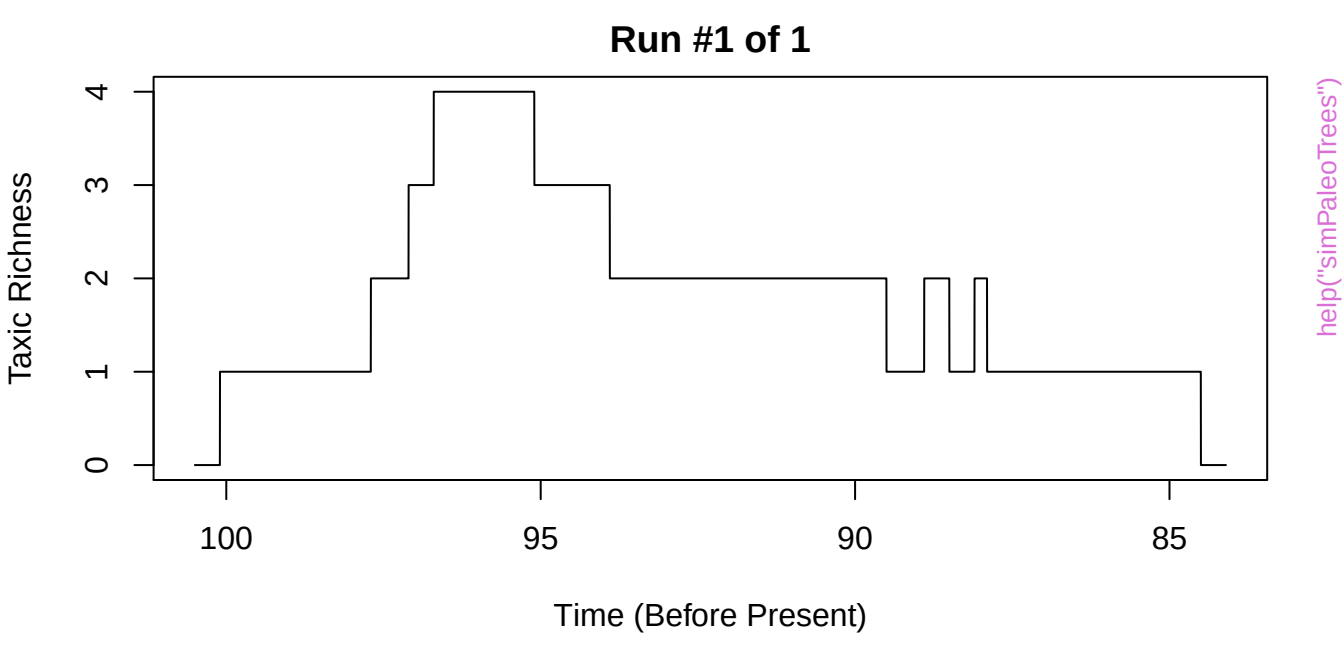
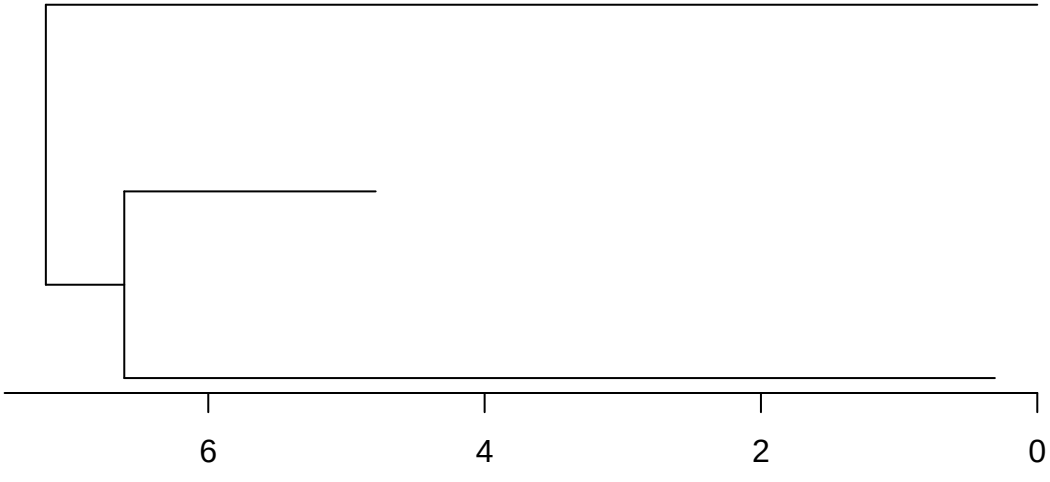






help("simPaleoTrees")





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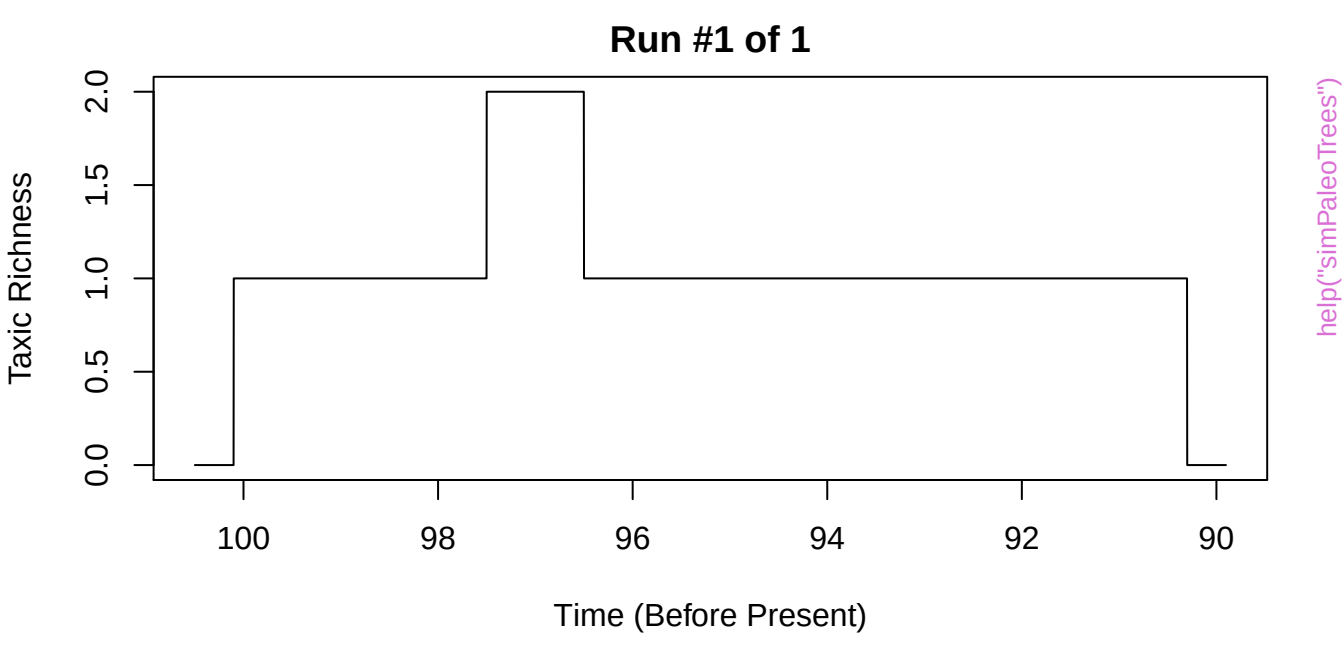

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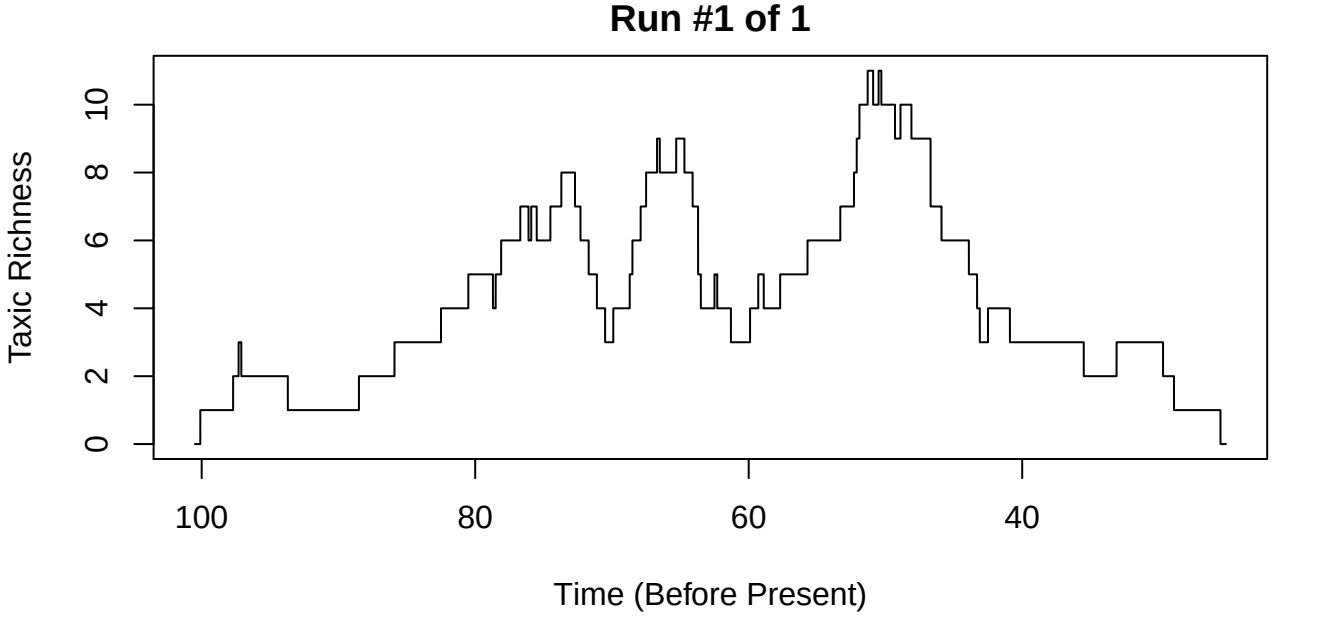

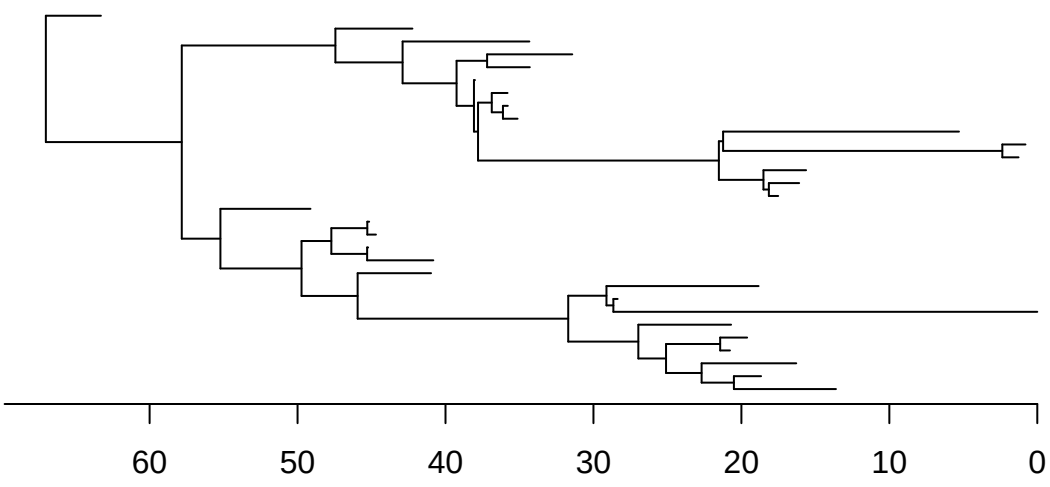

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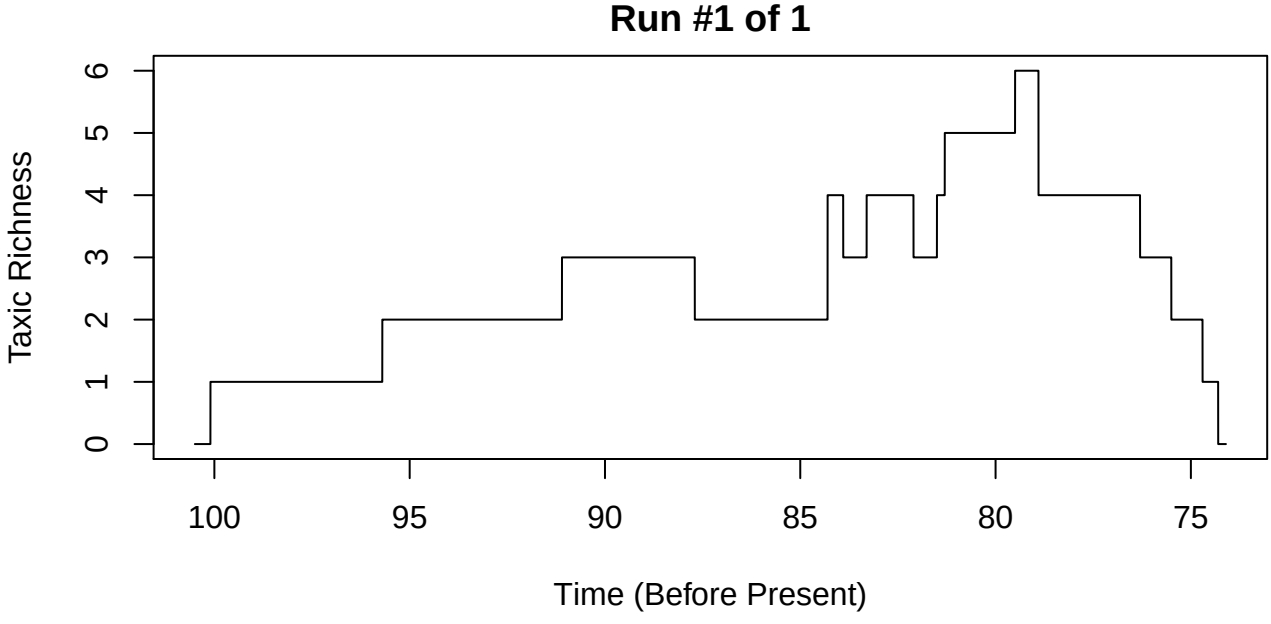

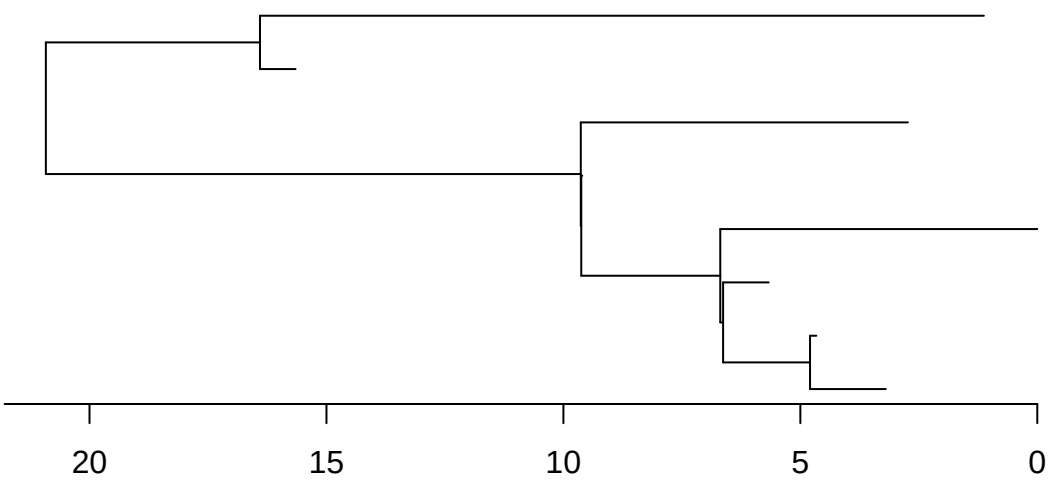

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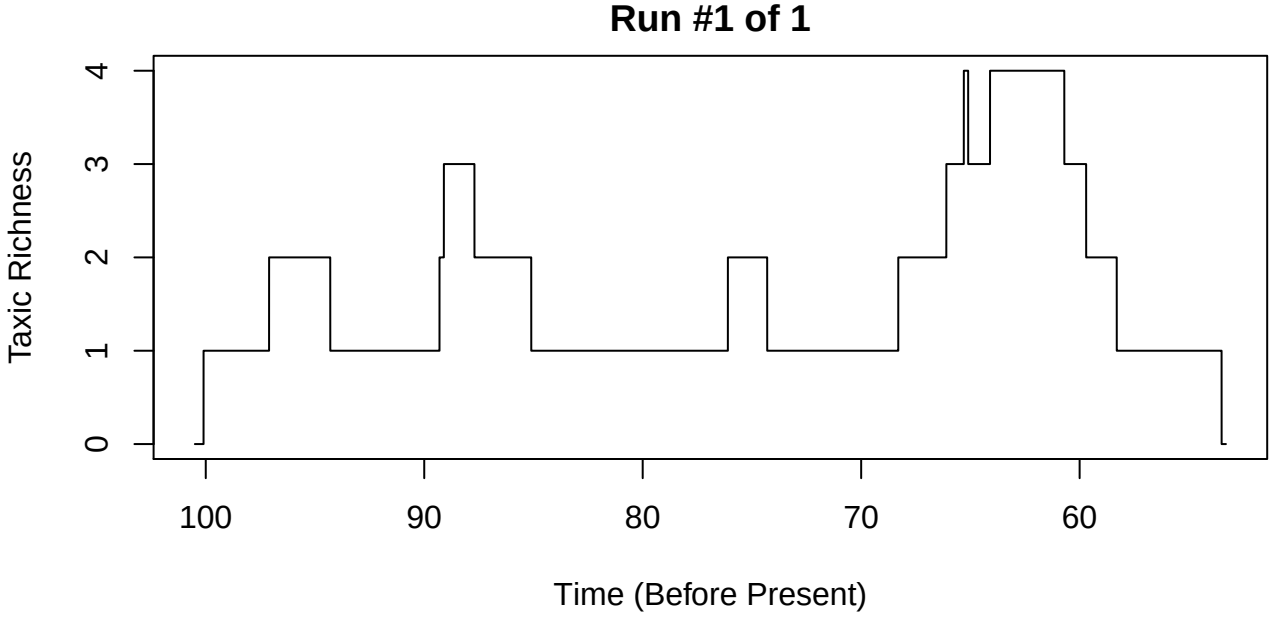

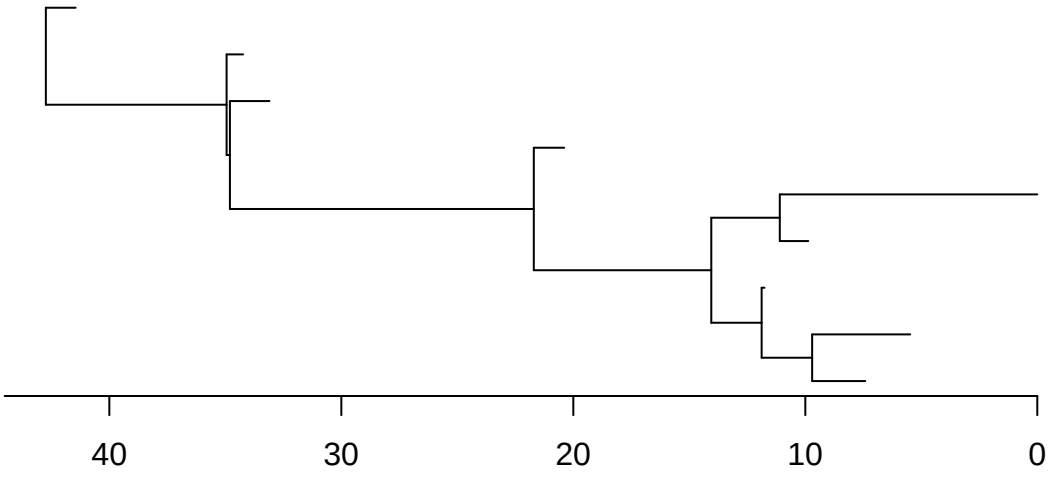

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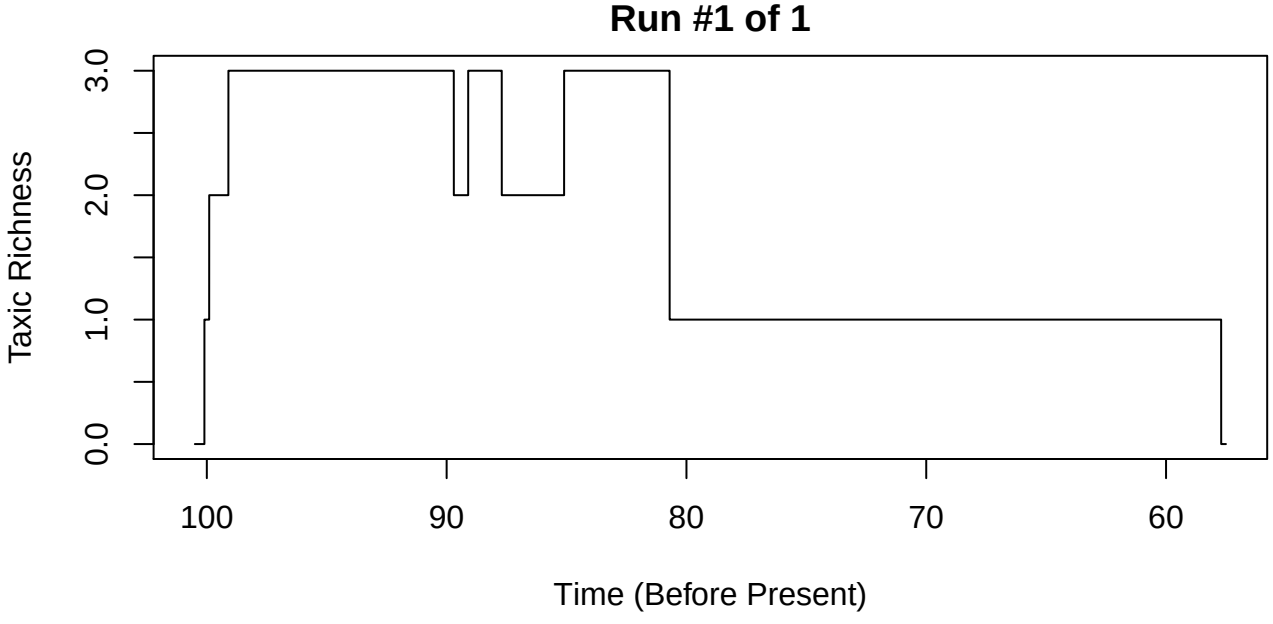

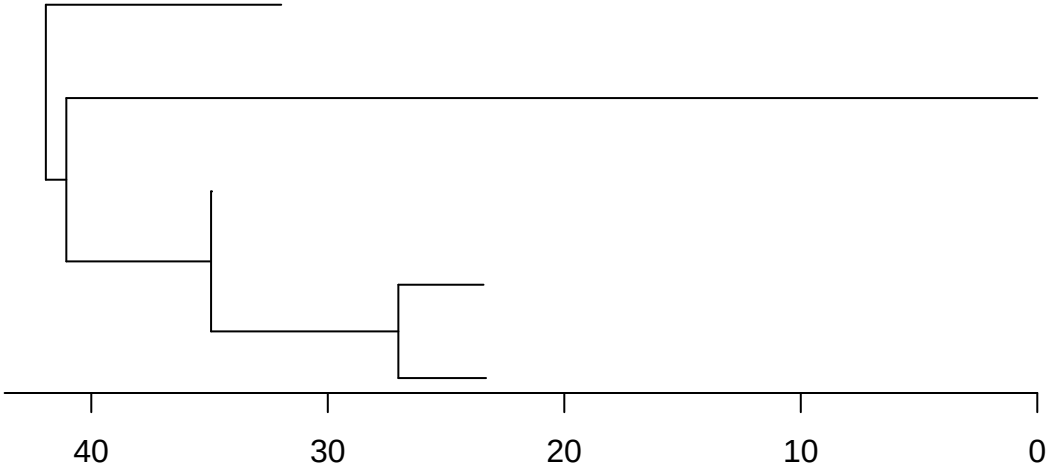

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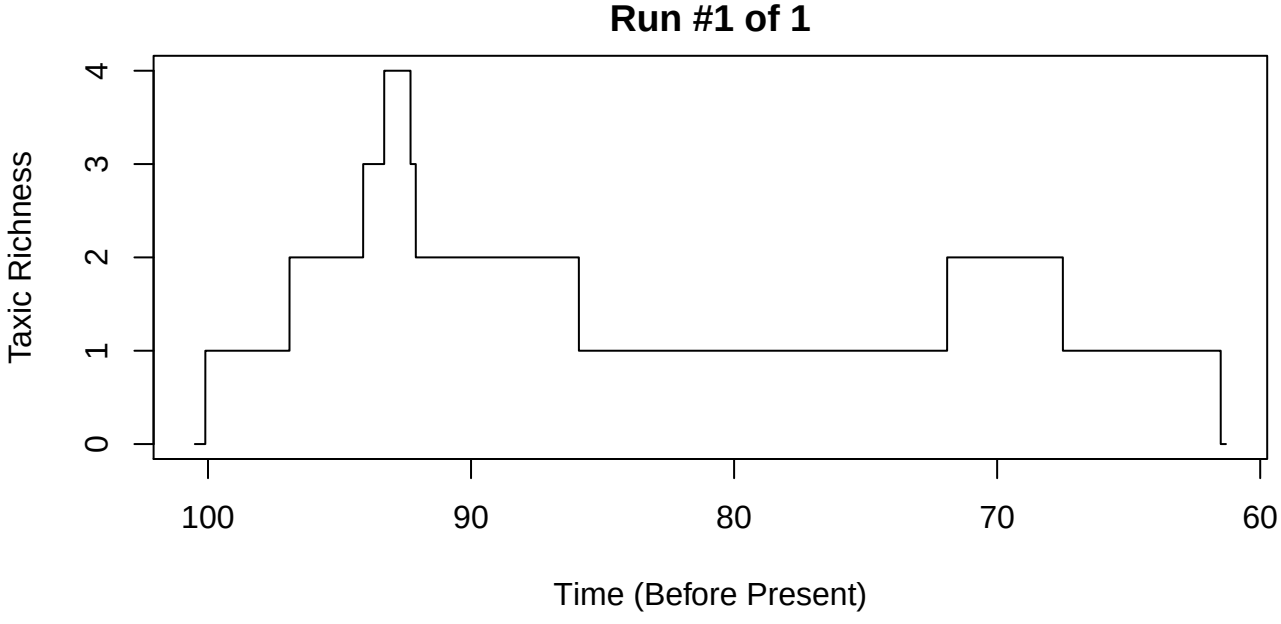

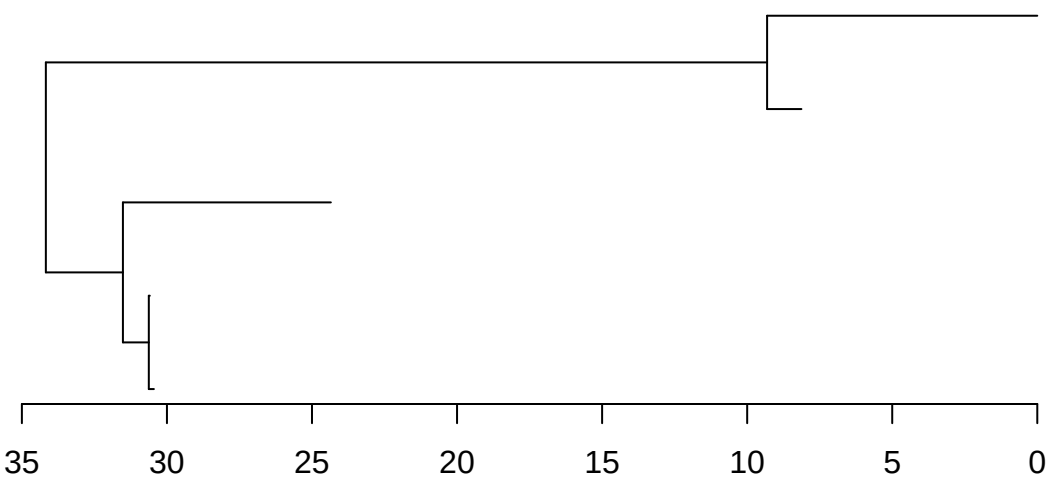

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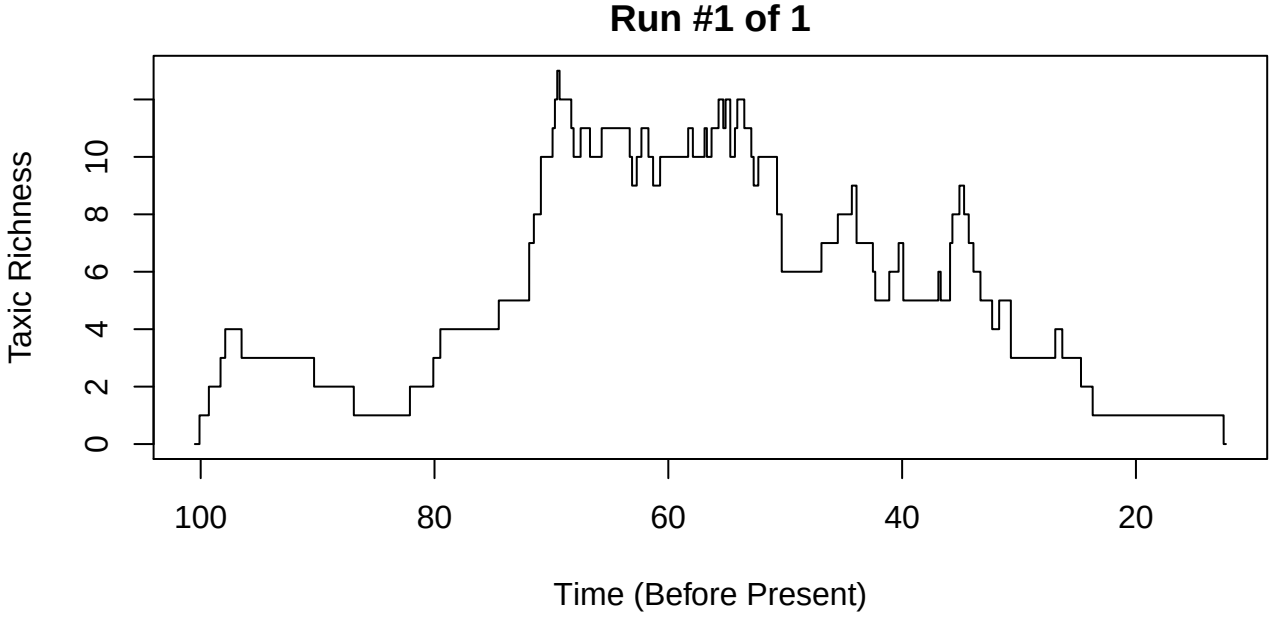

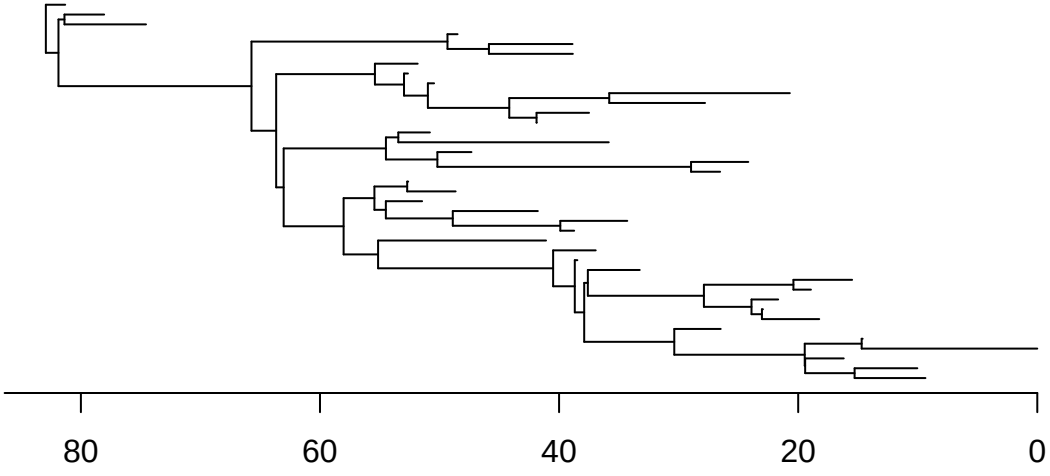

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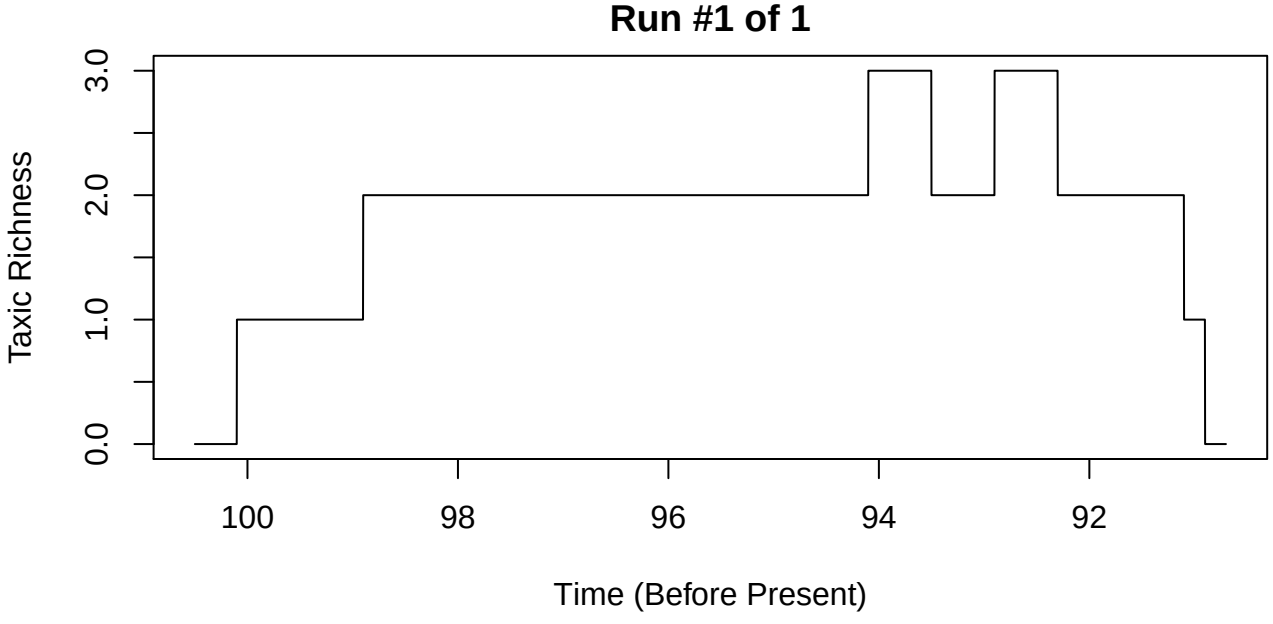

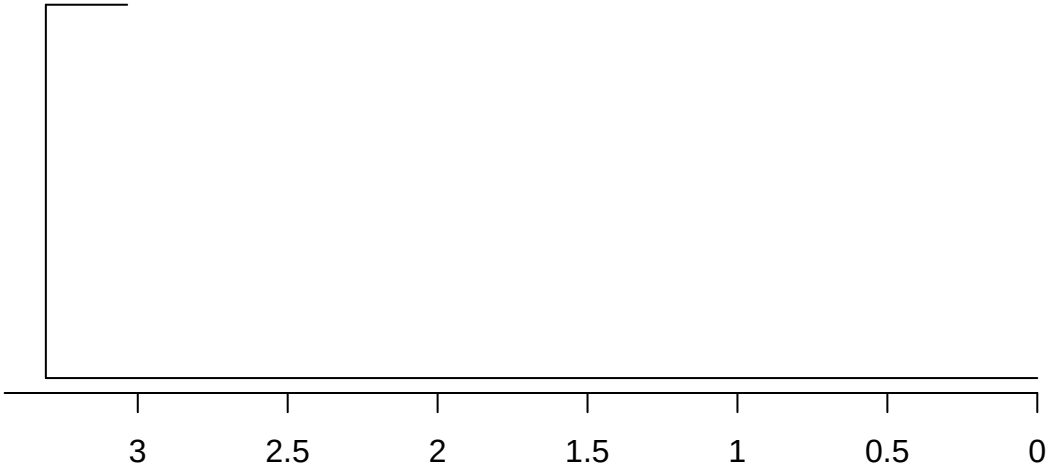

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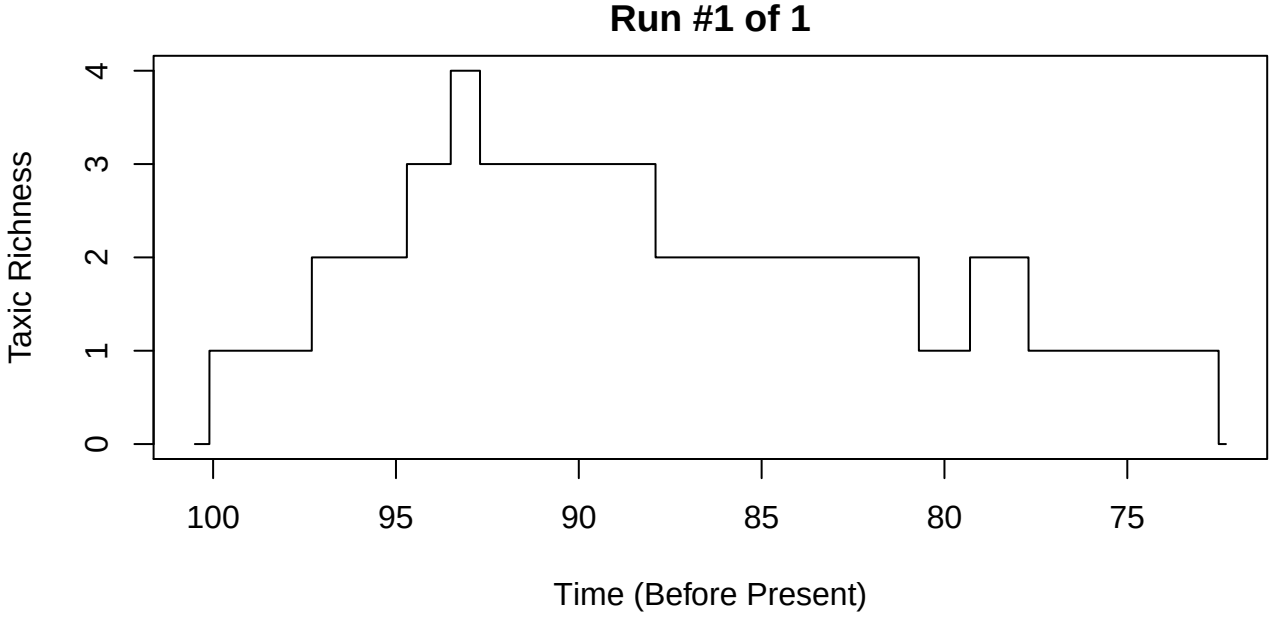

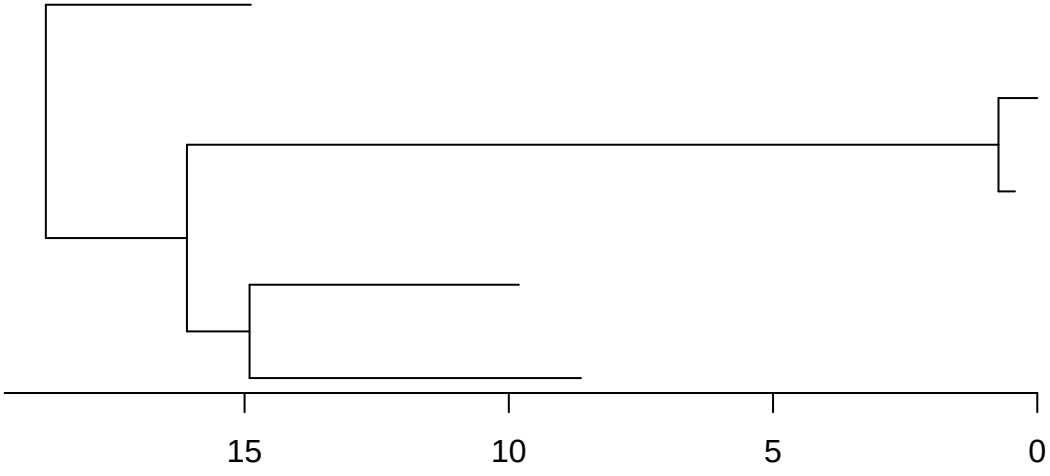

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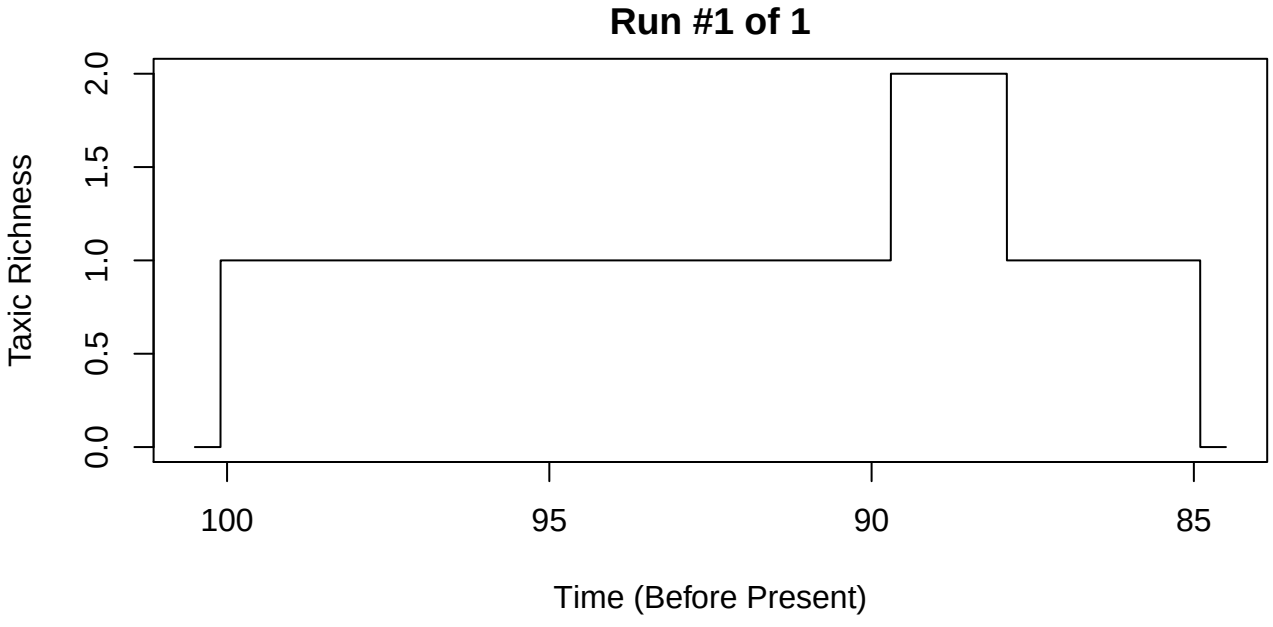
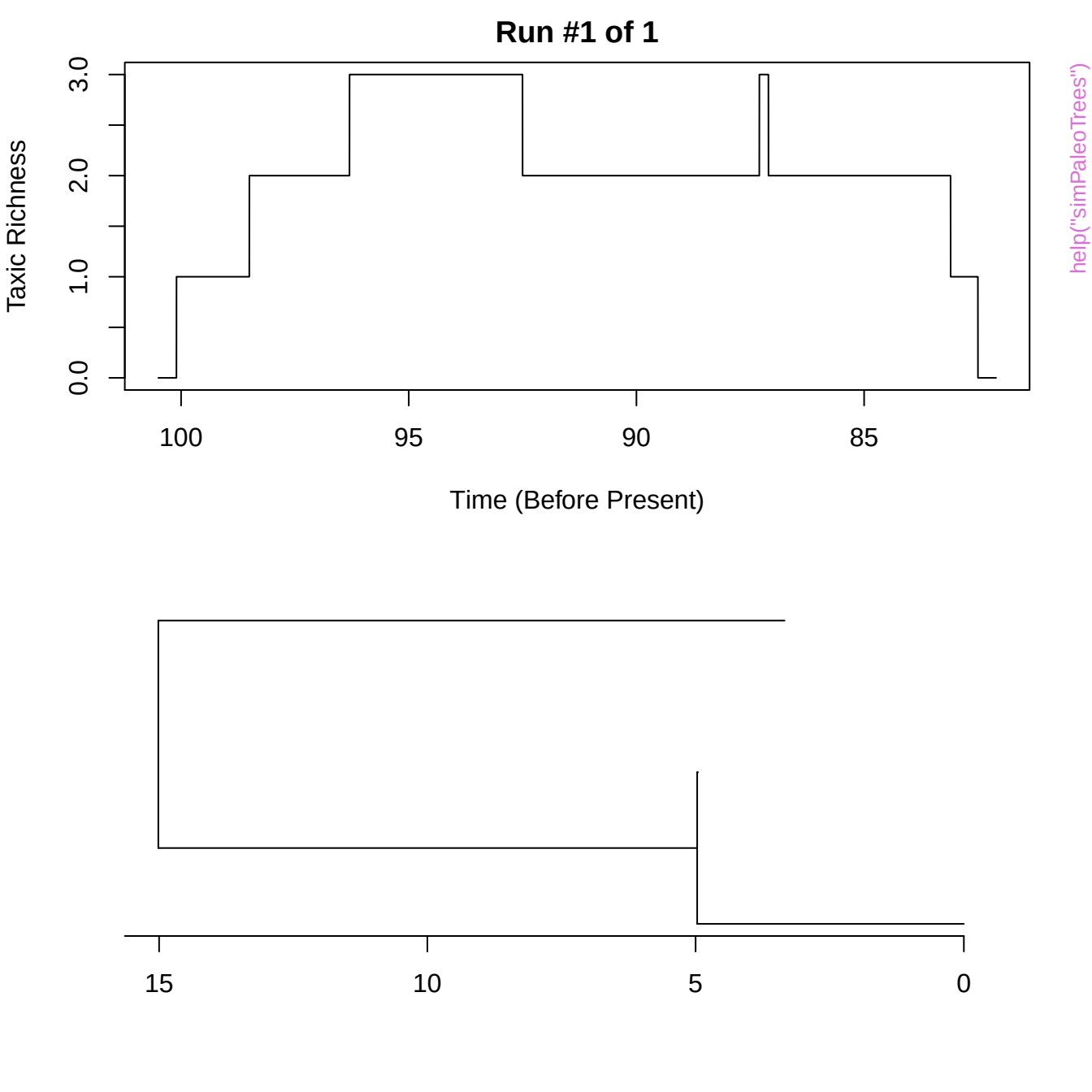
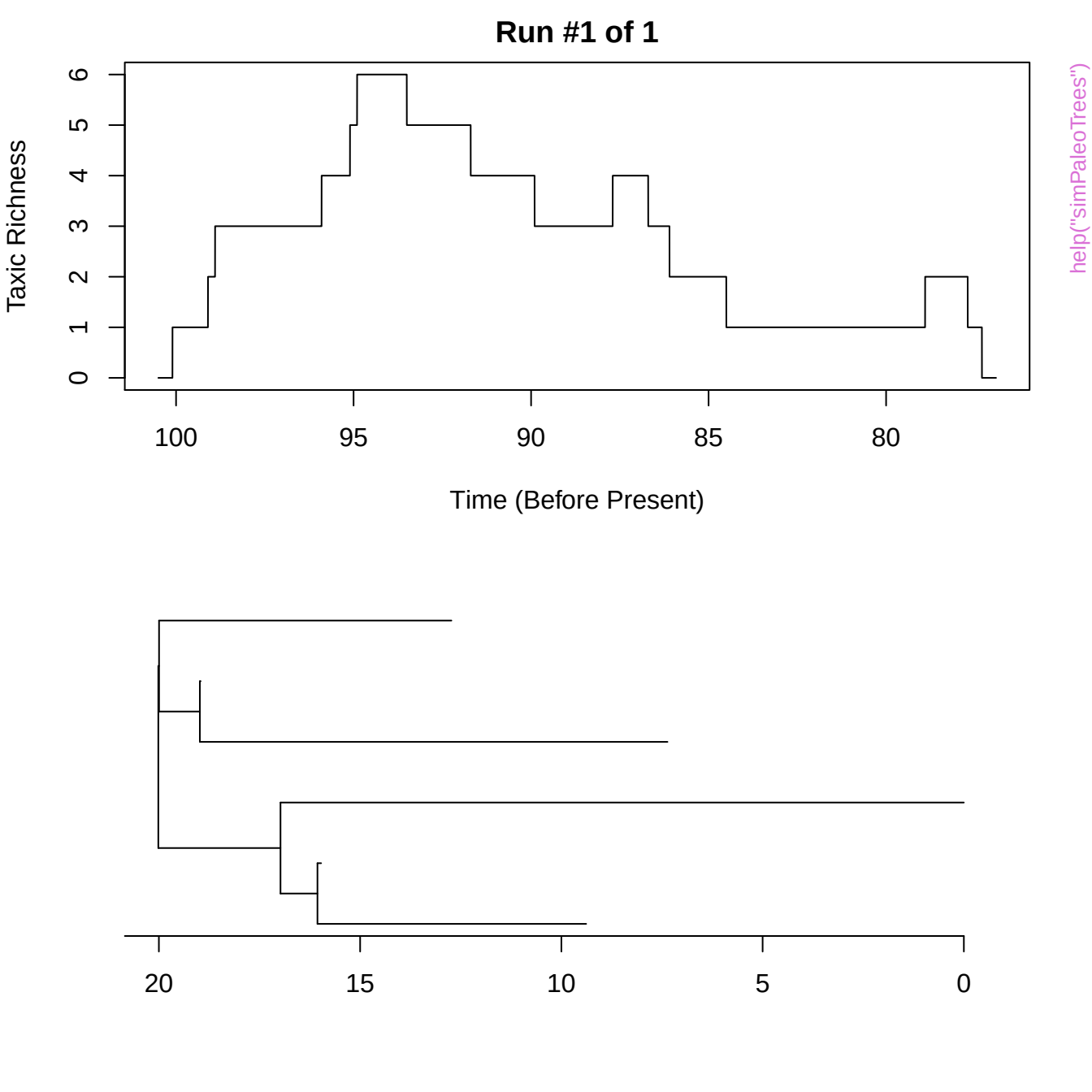



Run #1 of 1
Taxic Richness
0.0
1.0
2.0
3.0
100
95
90
85
Time (Before Present)
15
10
5
0
help("simPaleoTrees")


Run #1 of 1
Taxic Richness
0
1
2
3
4
5
6
100
95
90
85
80
Time (Before Present)
20
15
10
5
0
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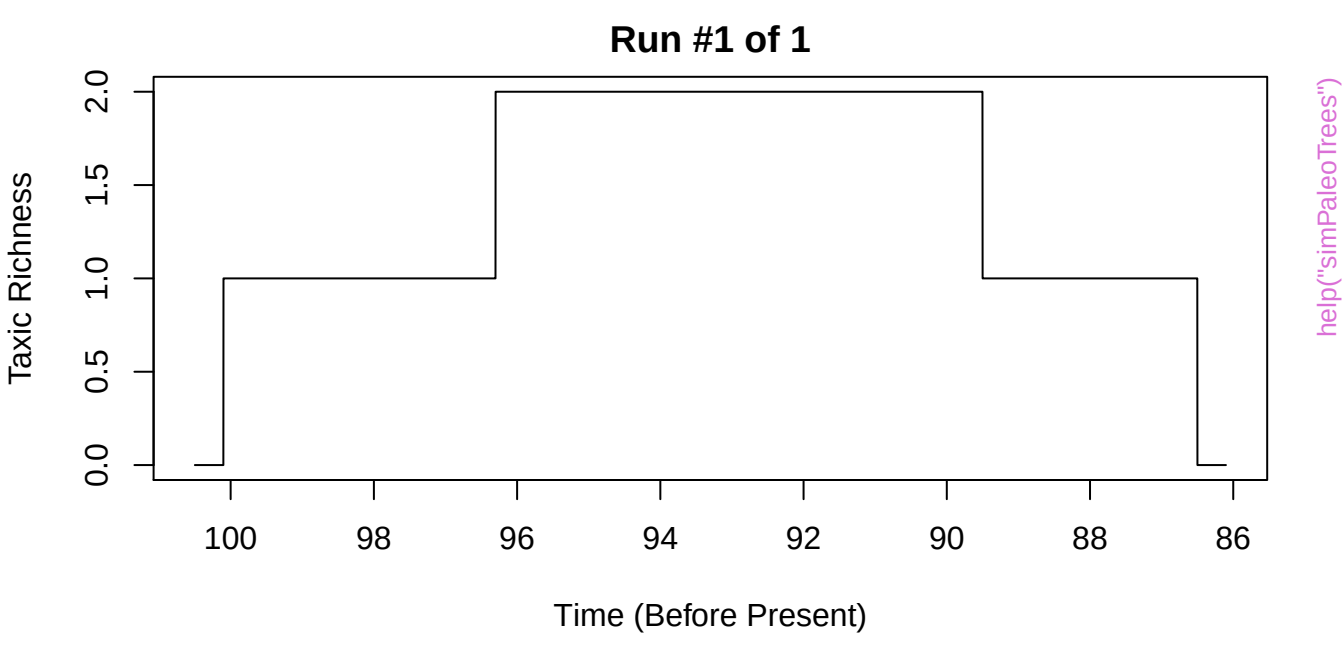
Run #1 of 1
Taxic Richness
0.0
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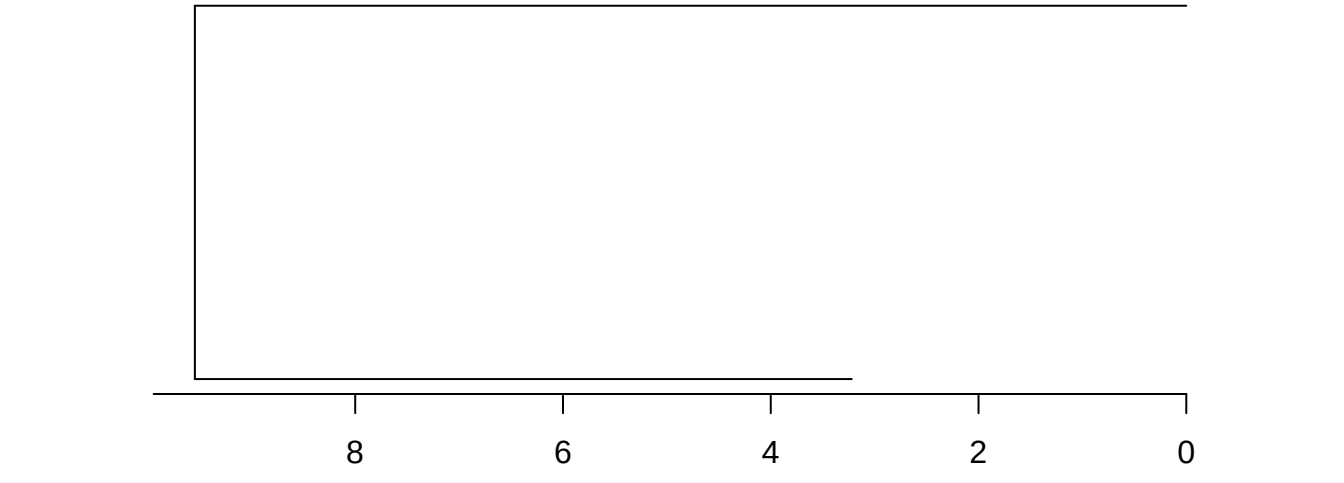
1.5
2.0
100
98
96
94
92
90
88
86
Time (Before Present)
help("simPaleoTrees")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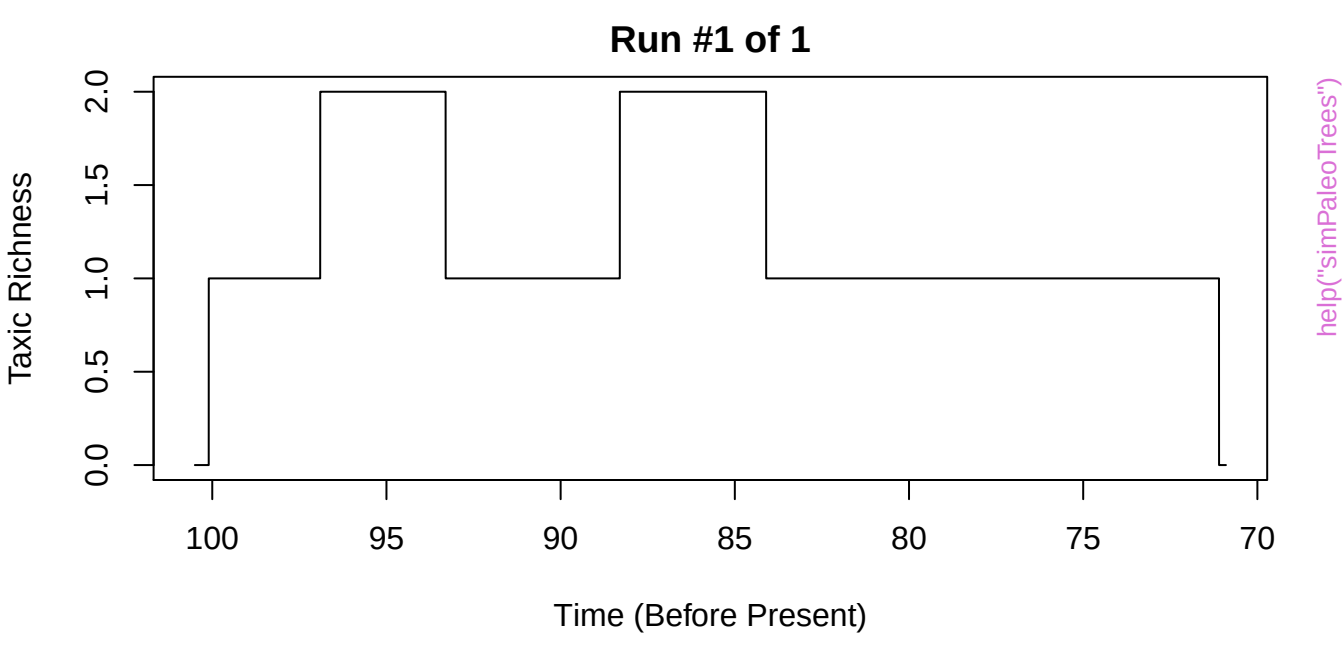
Run #1 of 1
Taxic Richness
0.0
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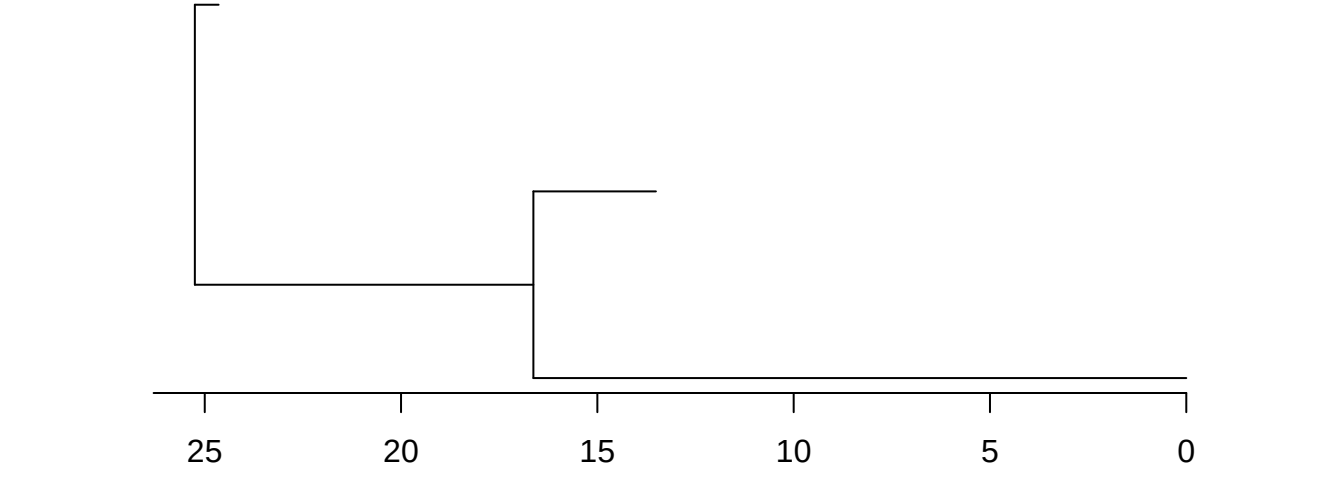
1.0
1.5
2.0
100
95
90
85
80
75
70
Time (Before Present)
help("simPaleoTrees")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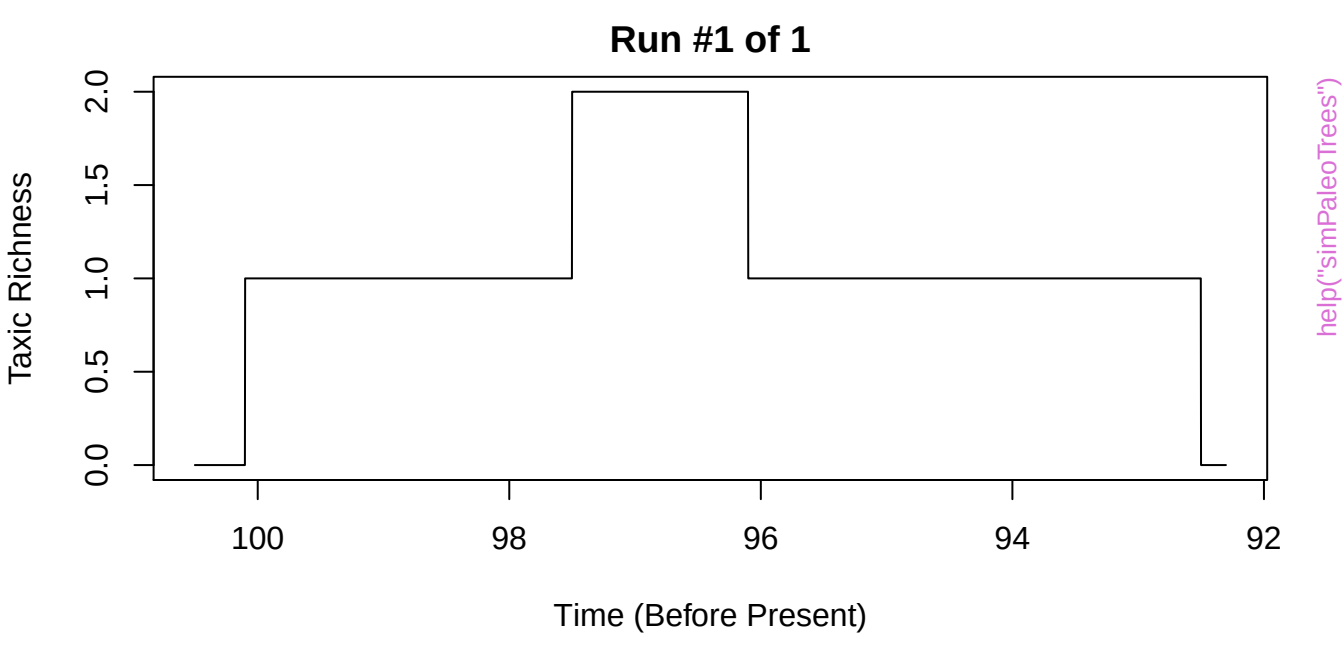

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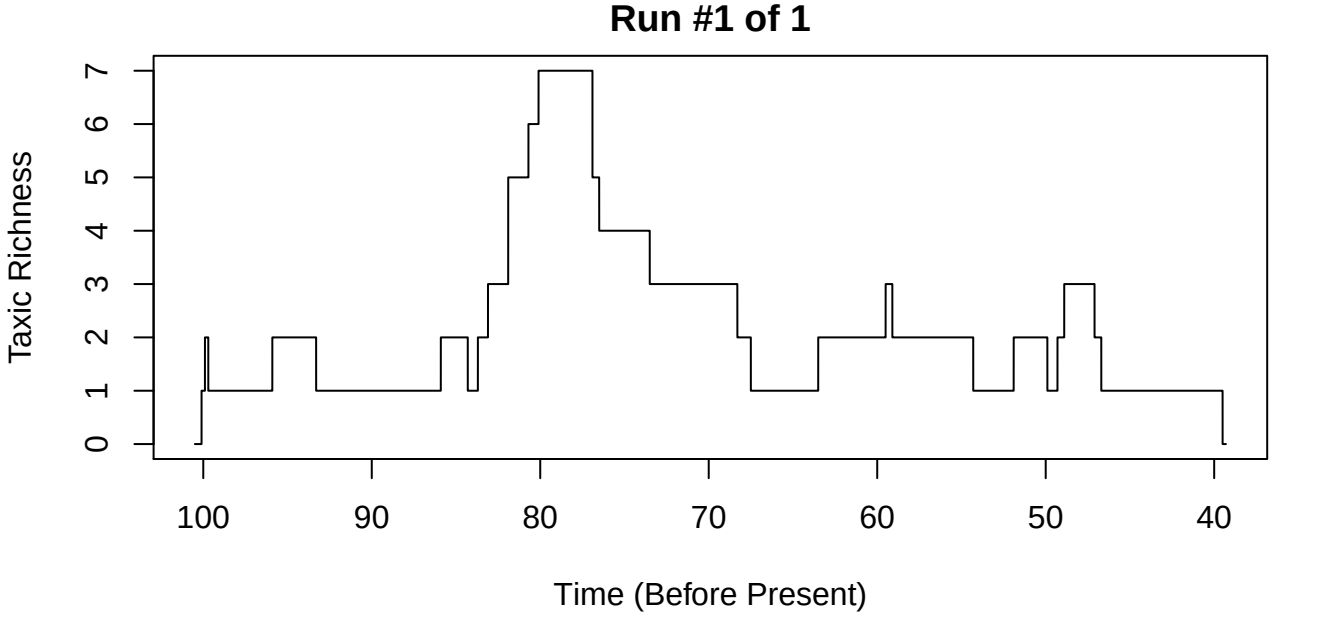

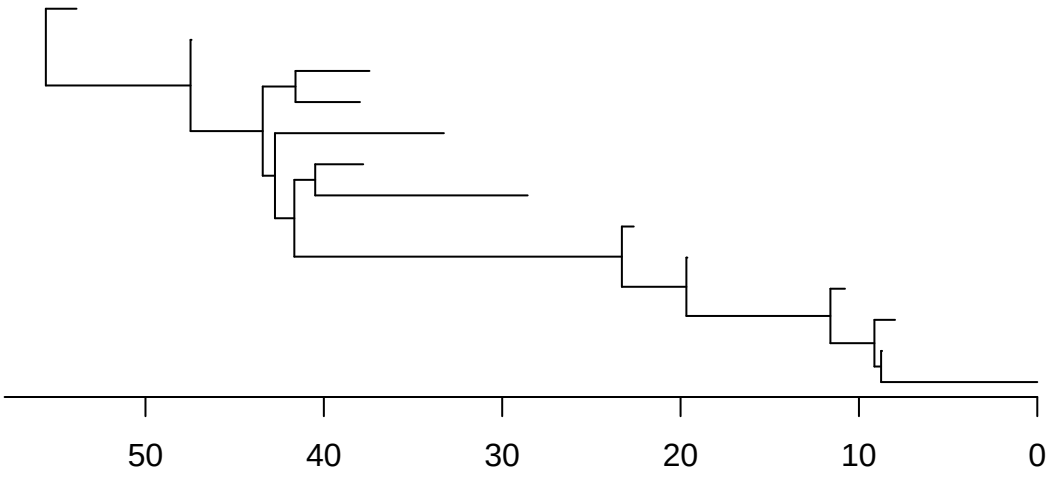

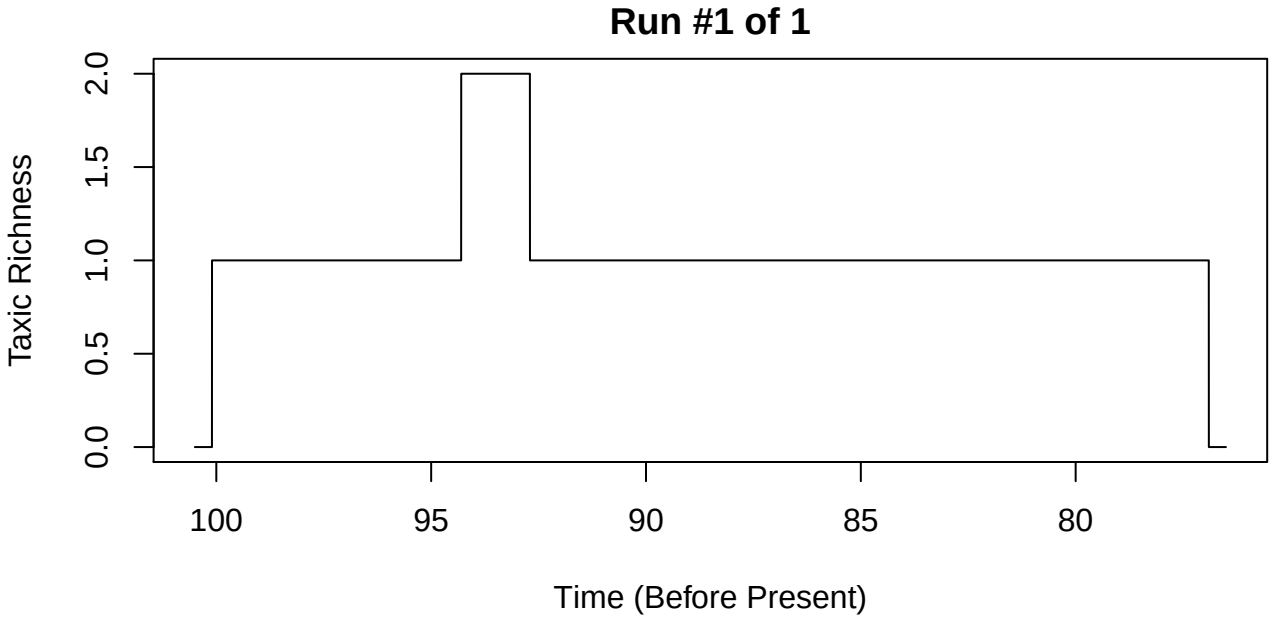

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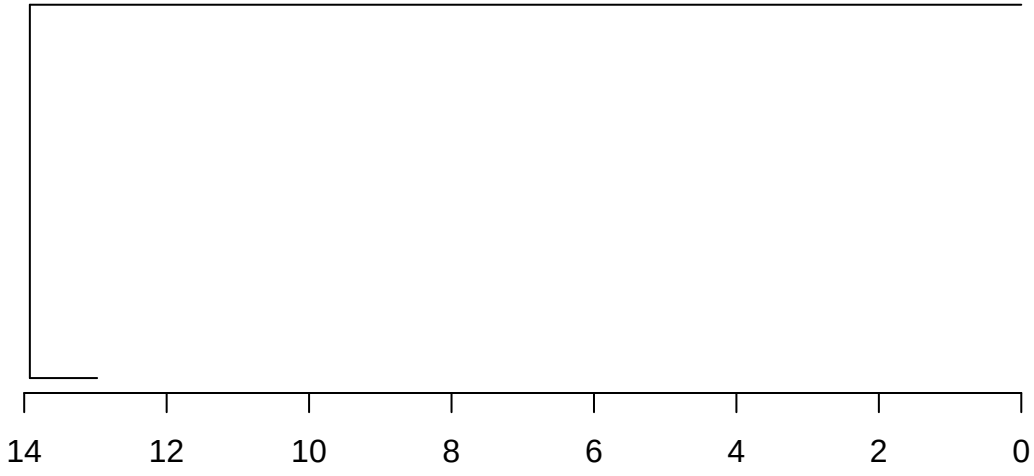

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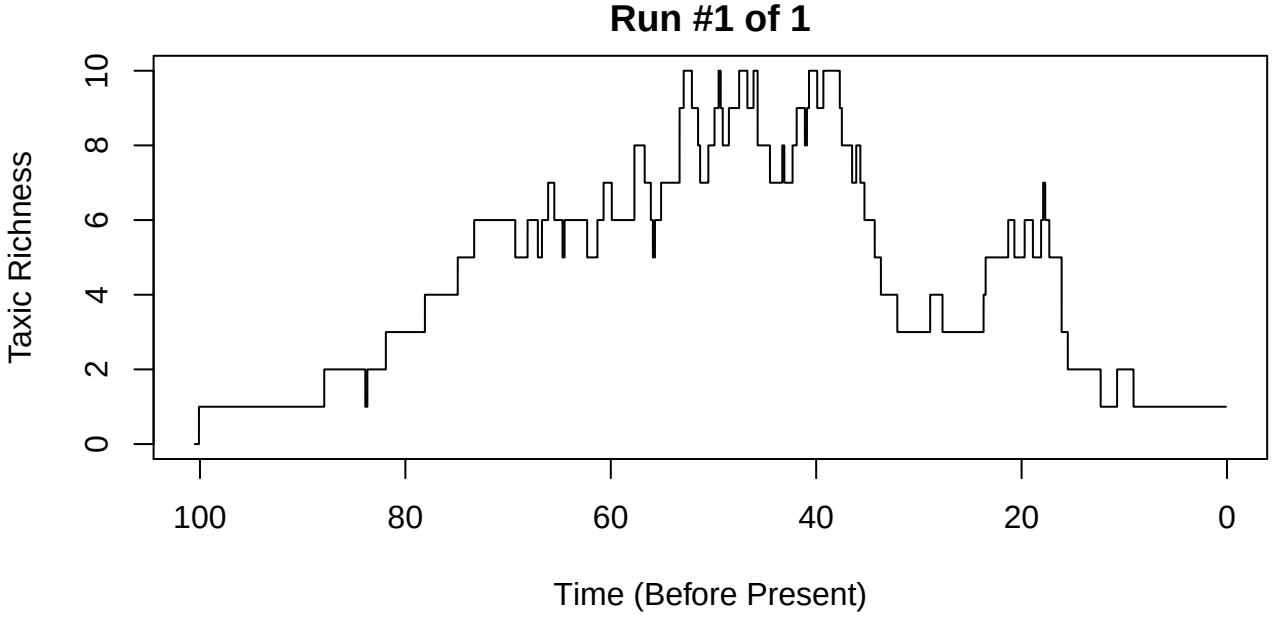

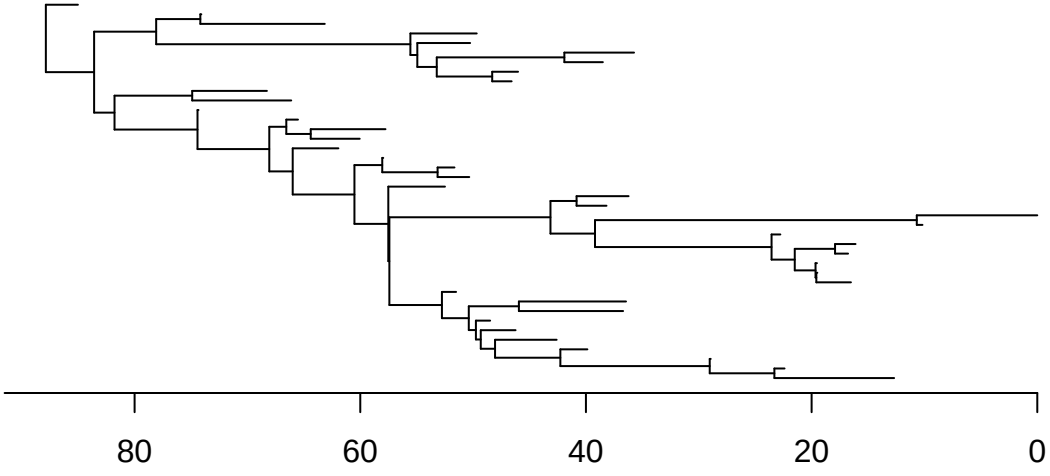

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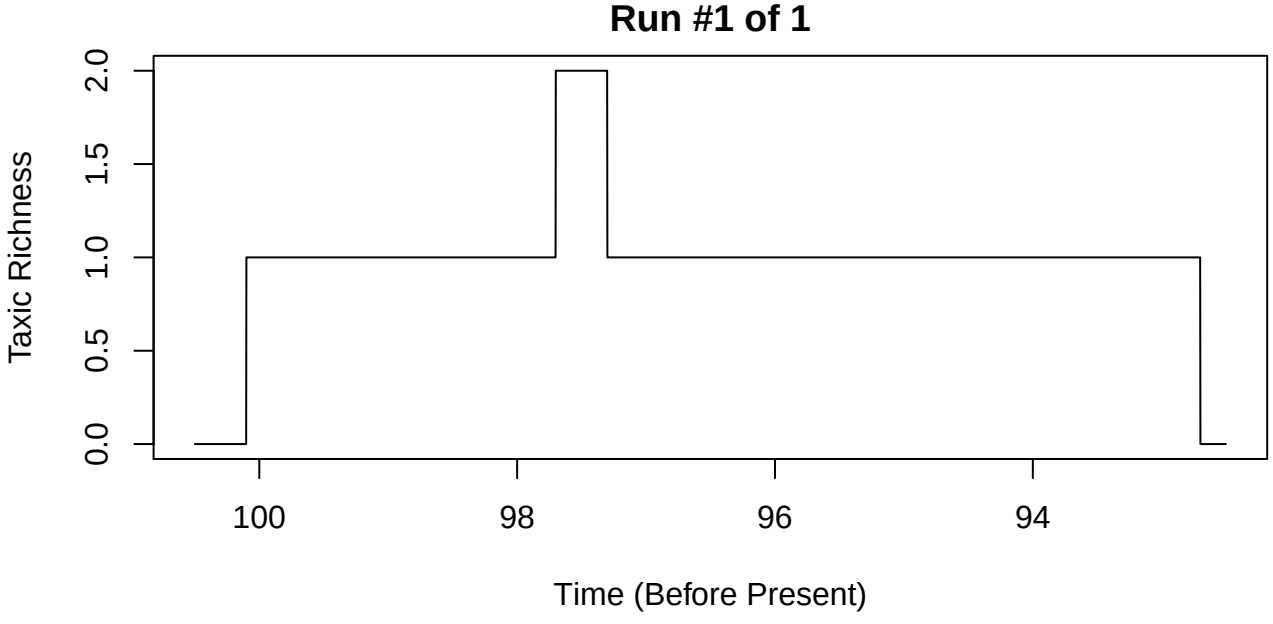

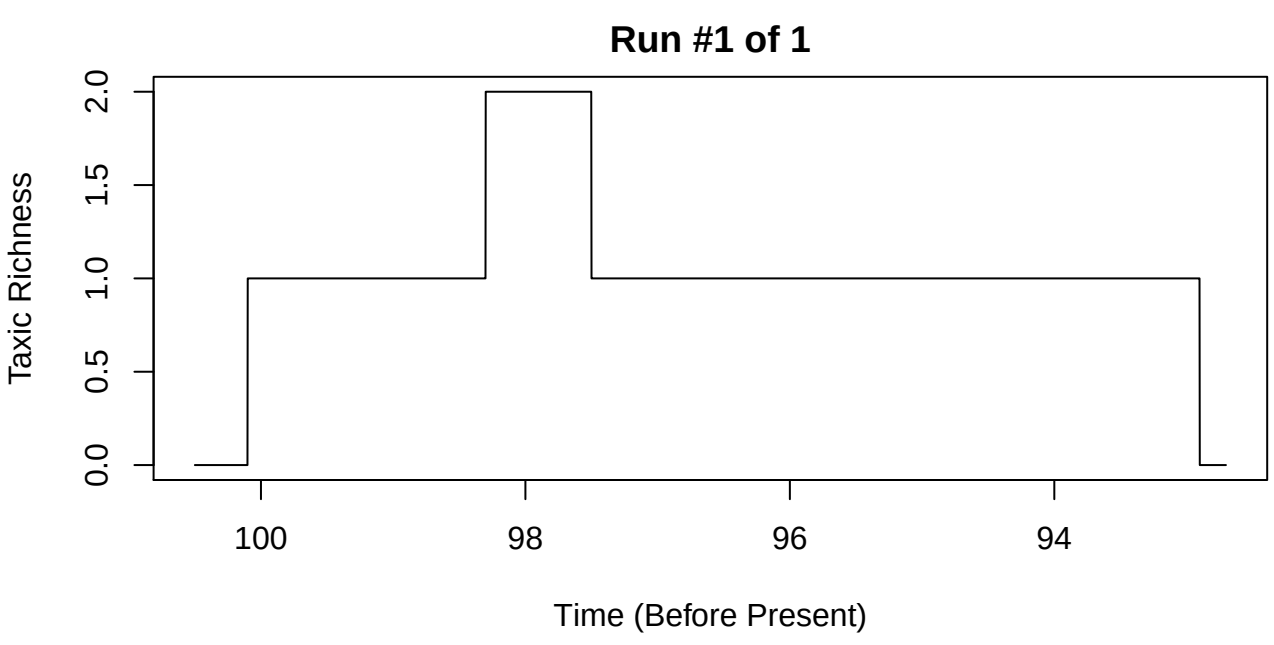

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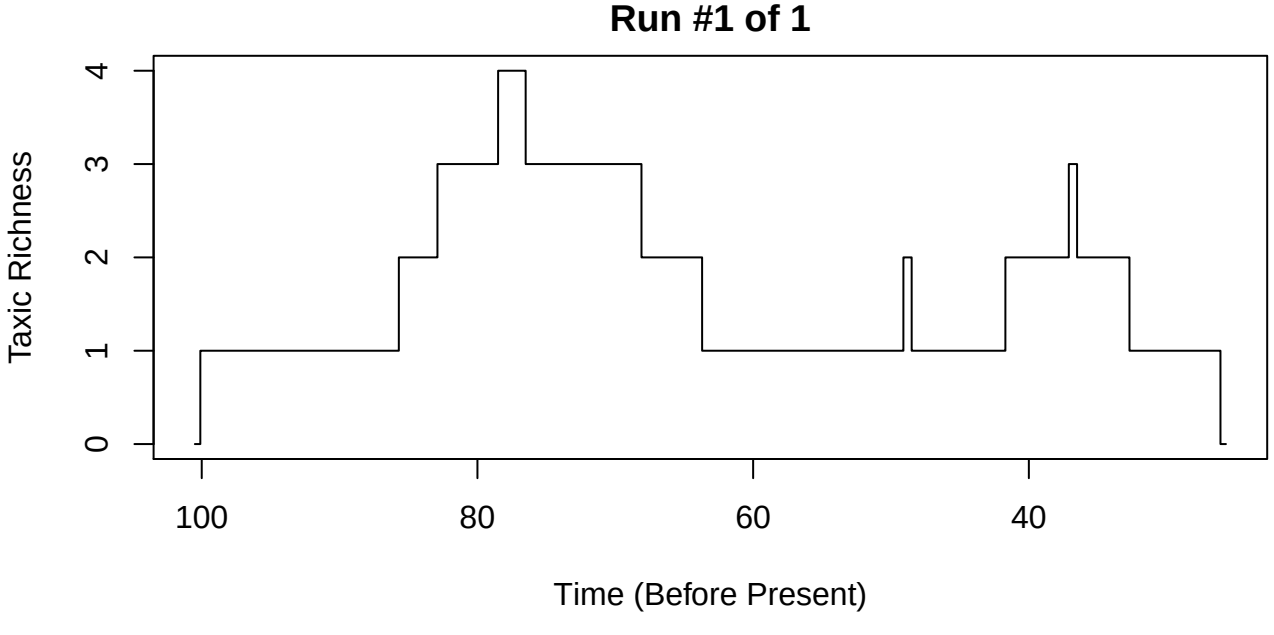

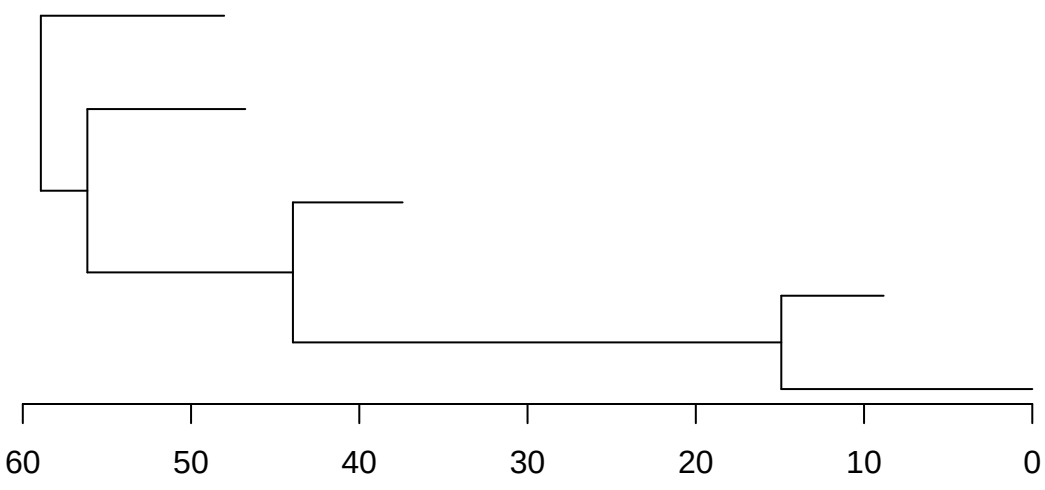

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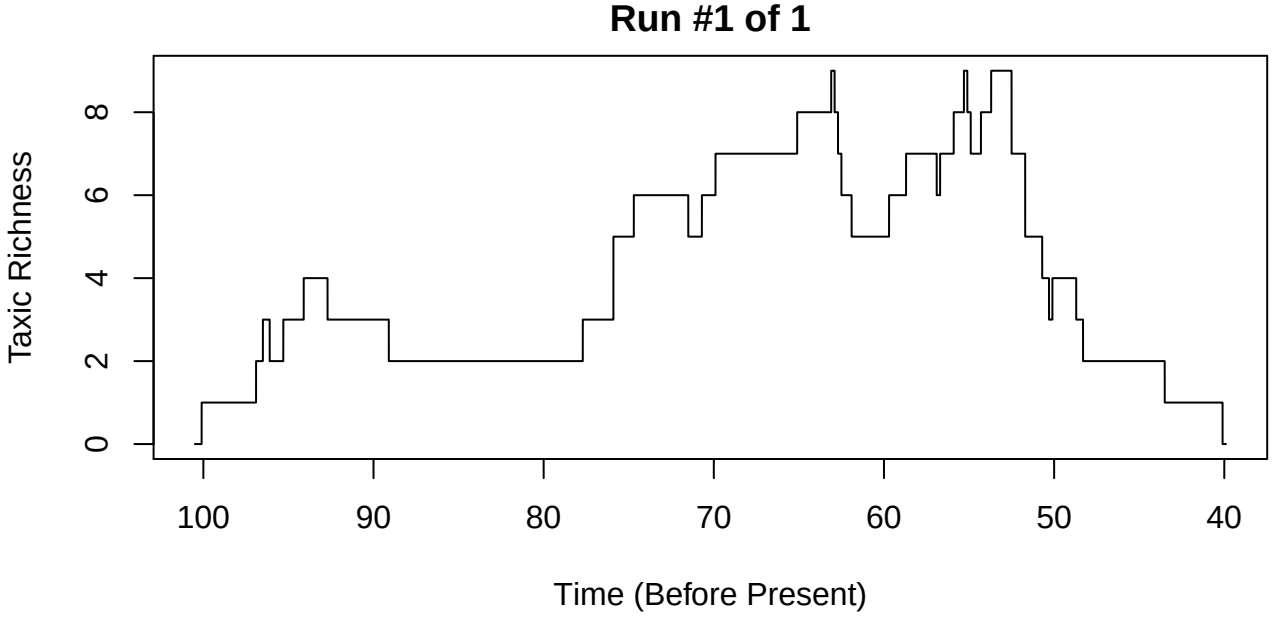

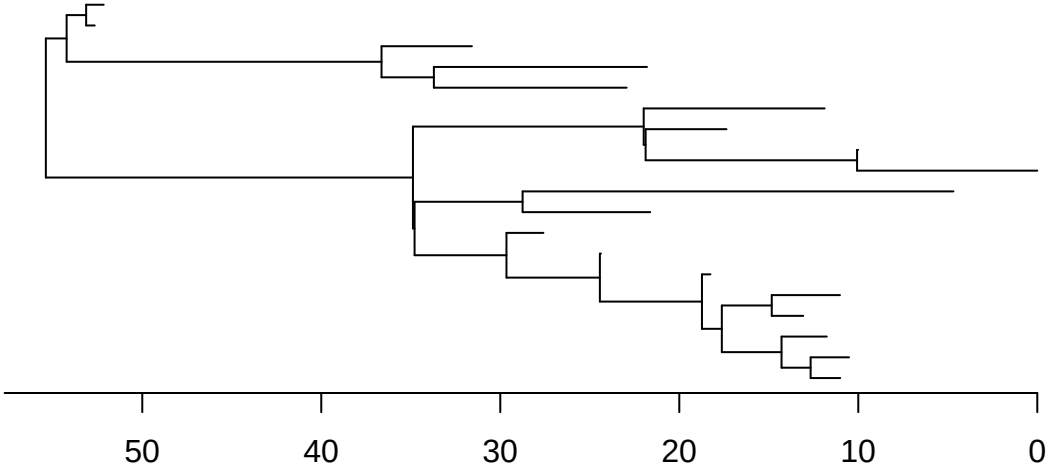

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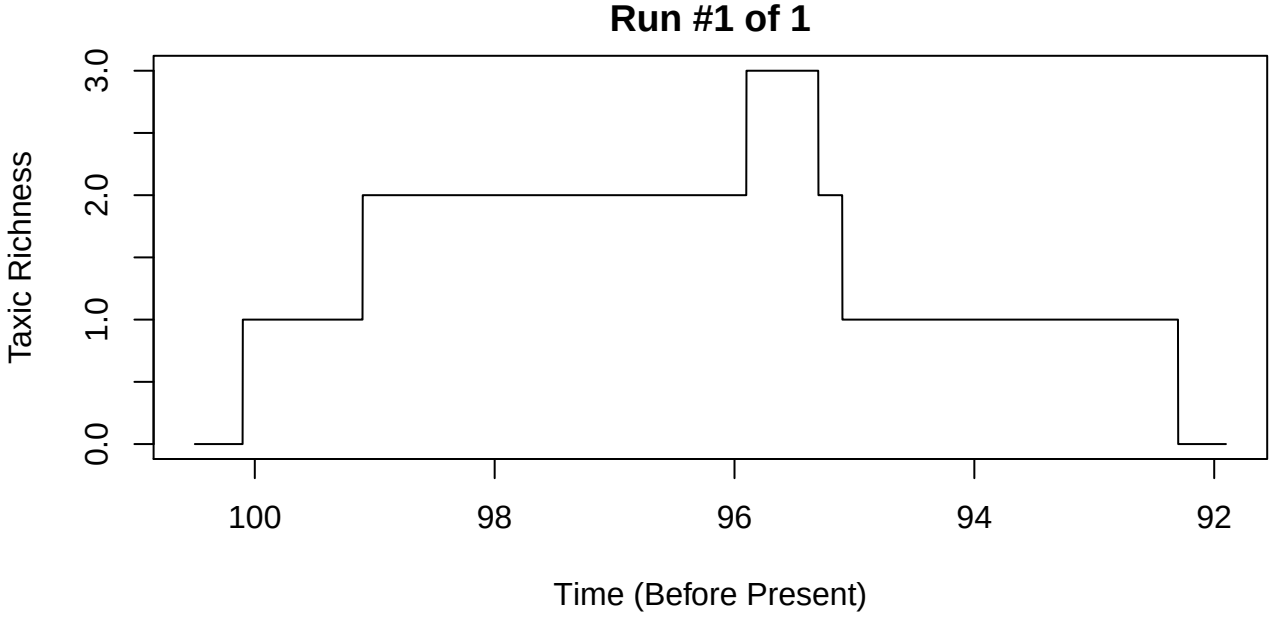

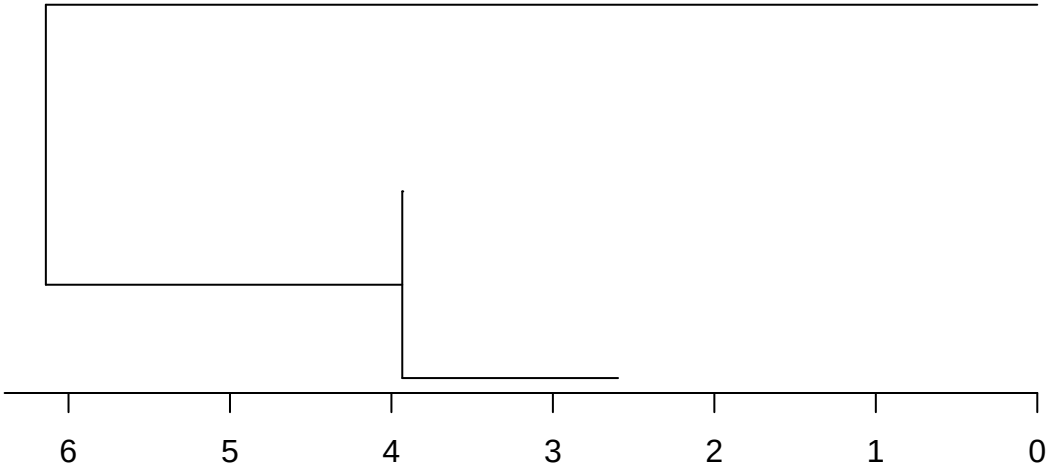

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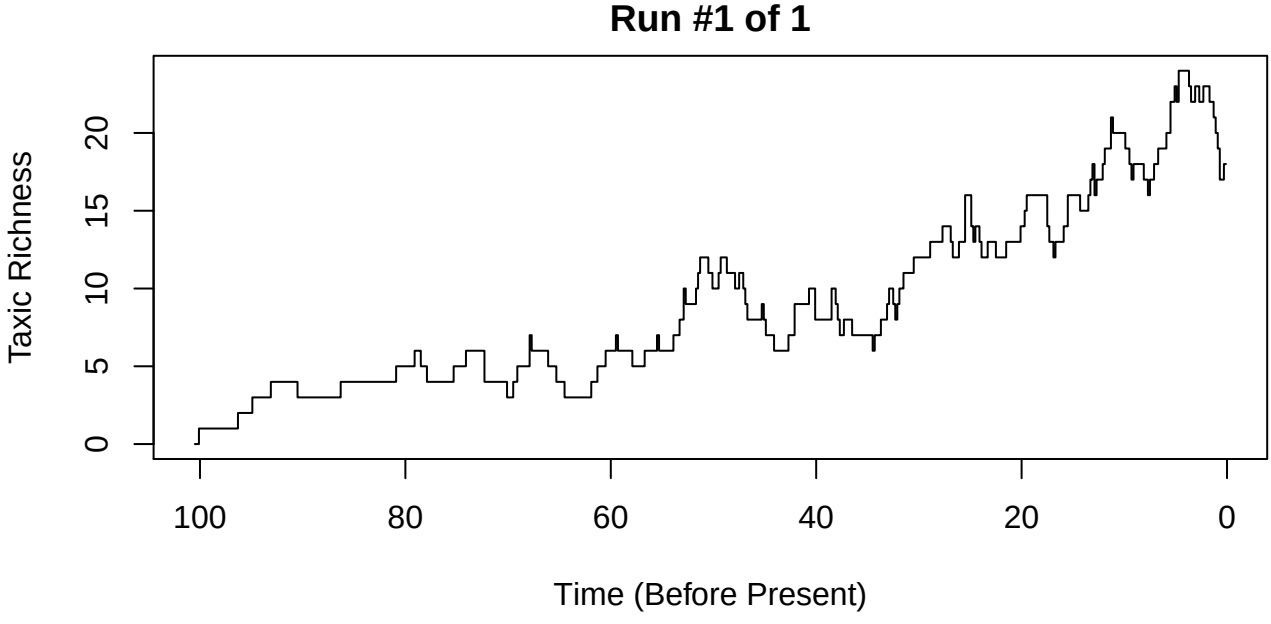

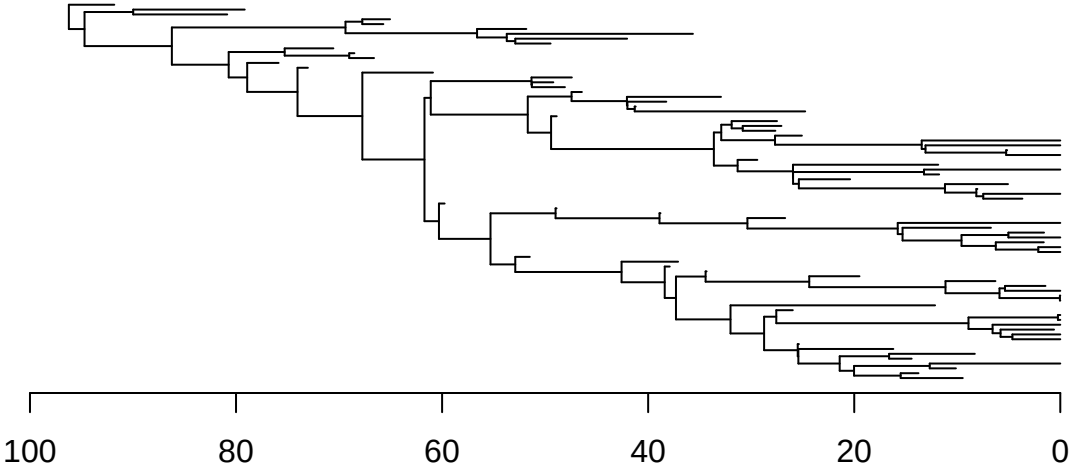

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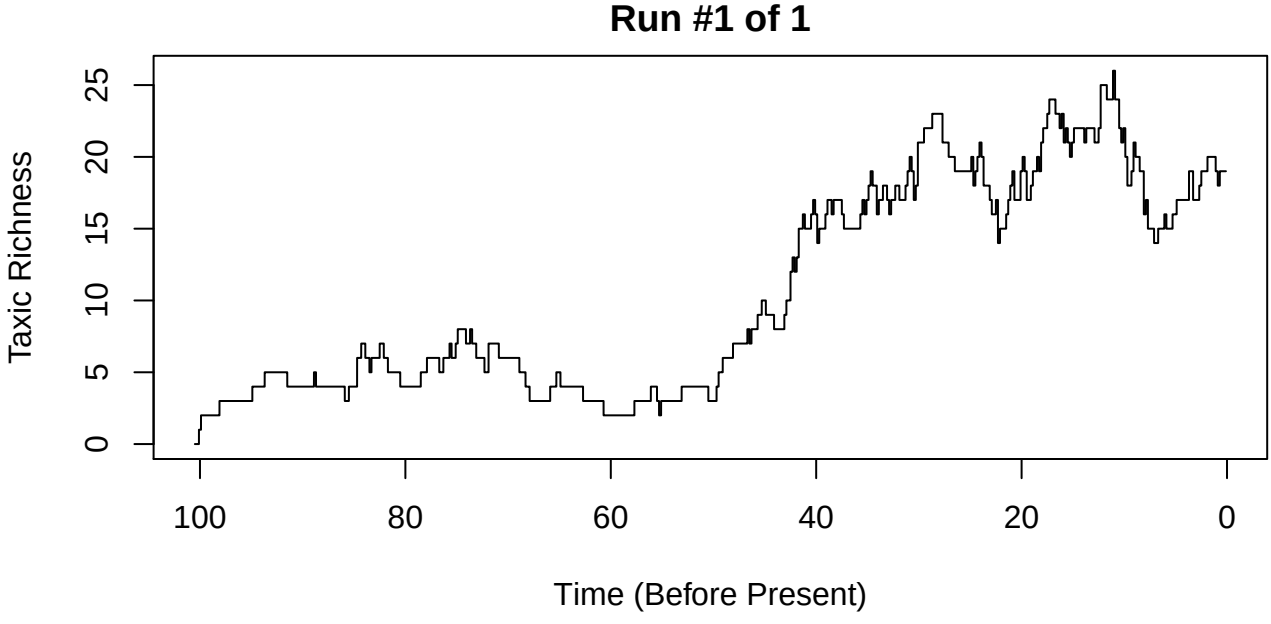

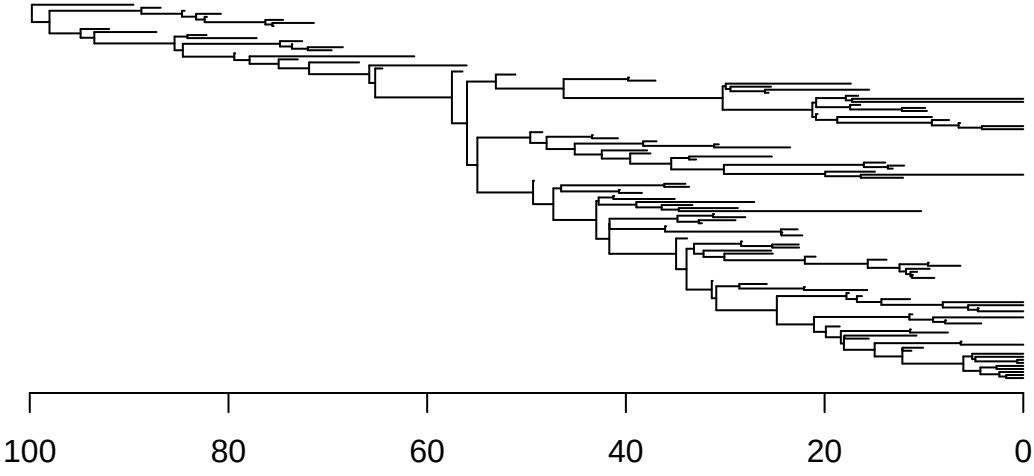

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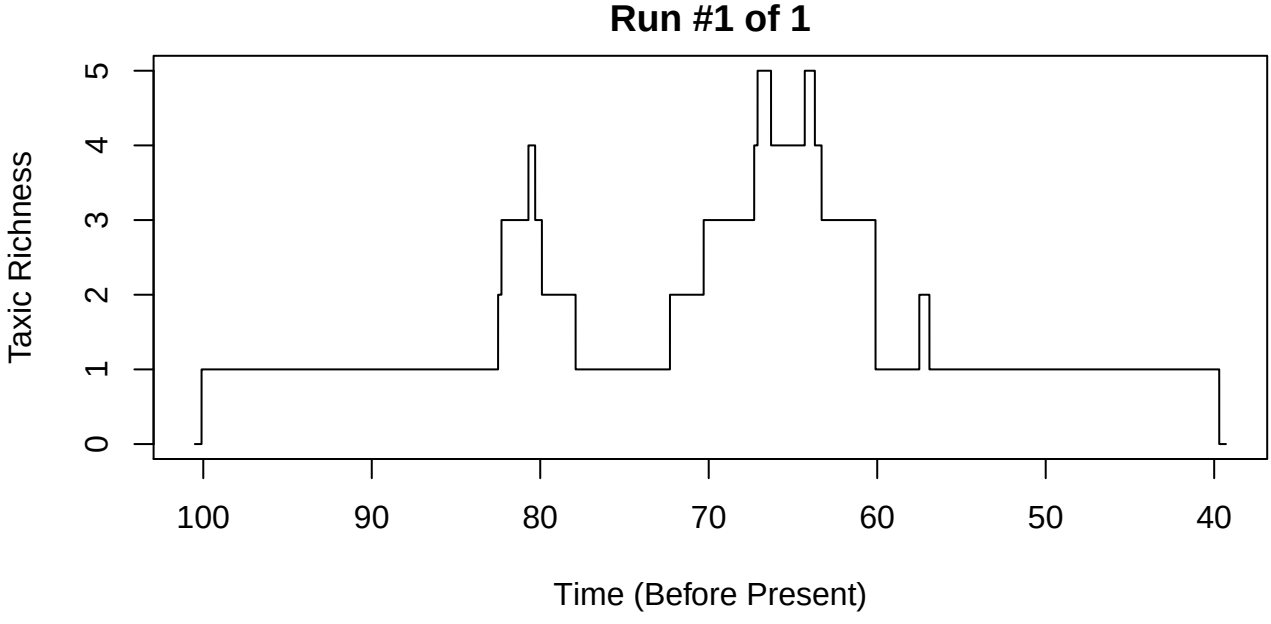

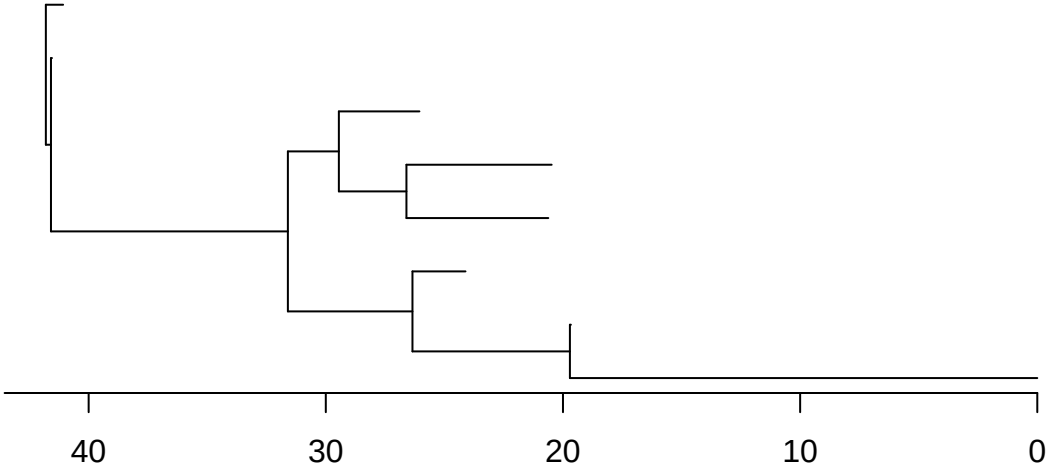

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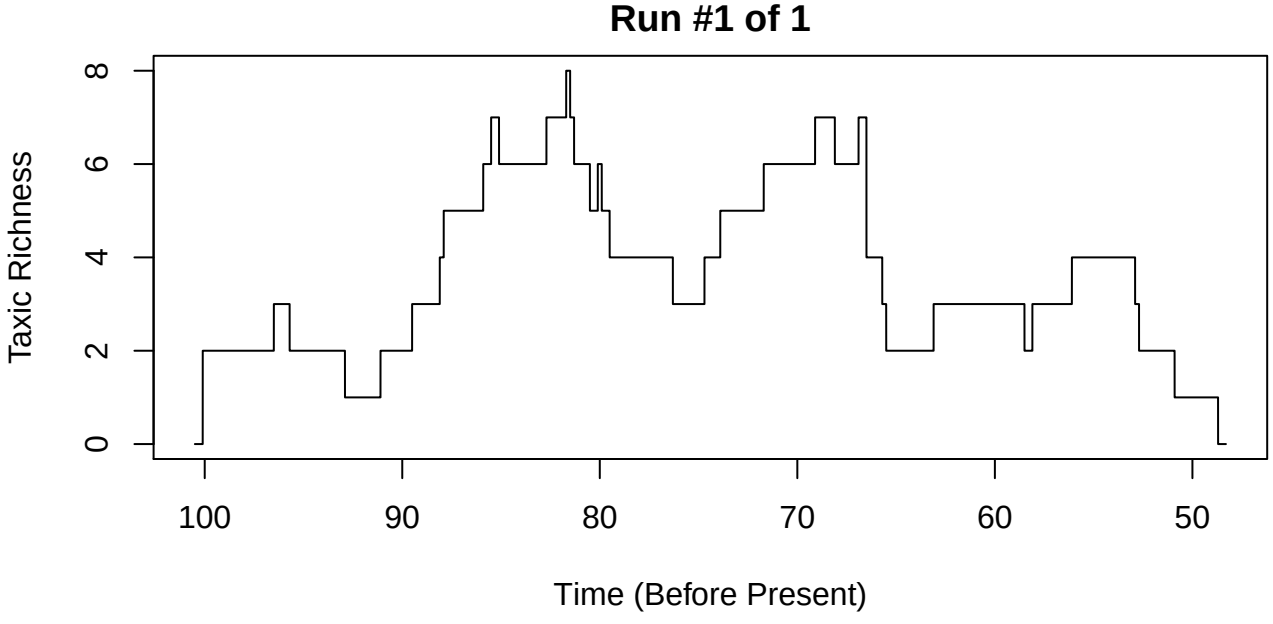

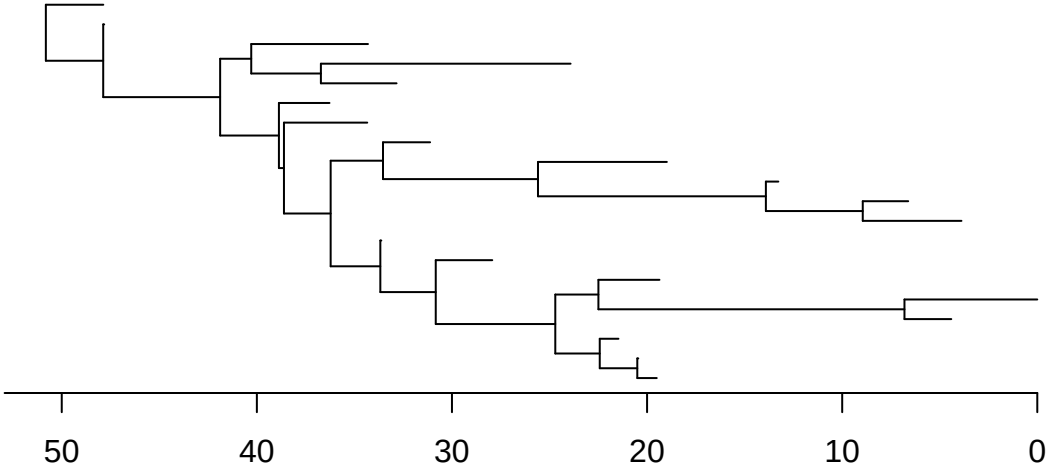

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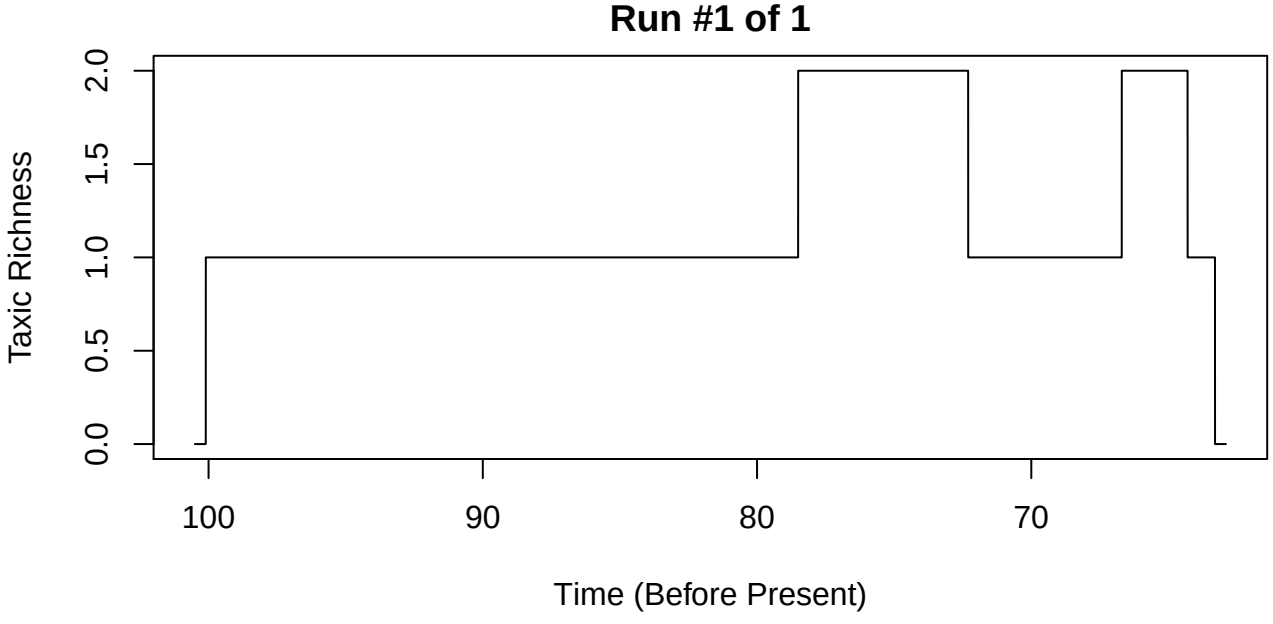

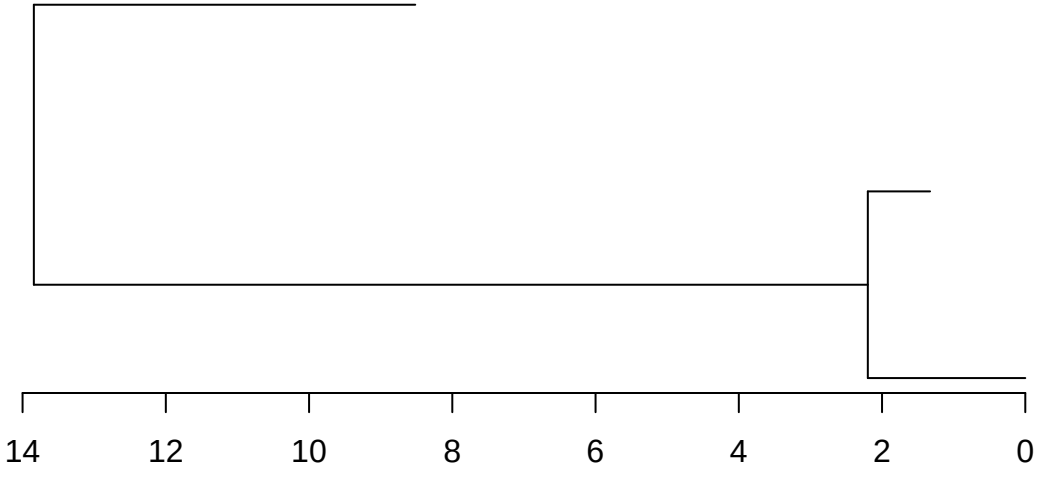

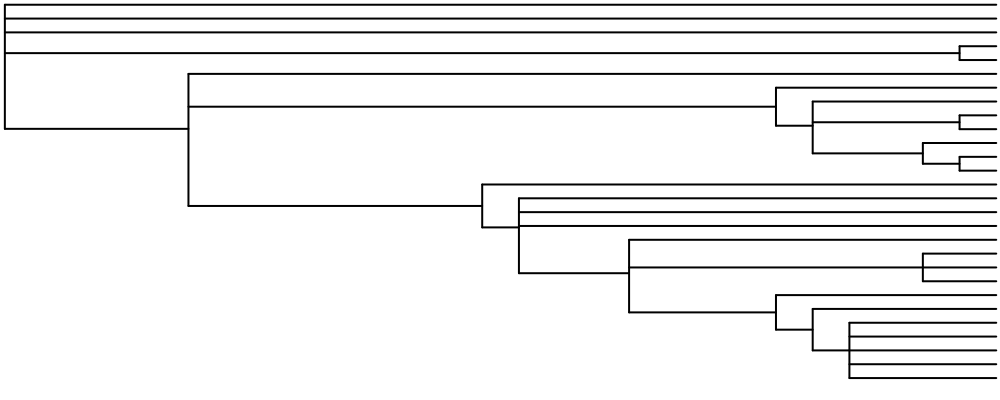

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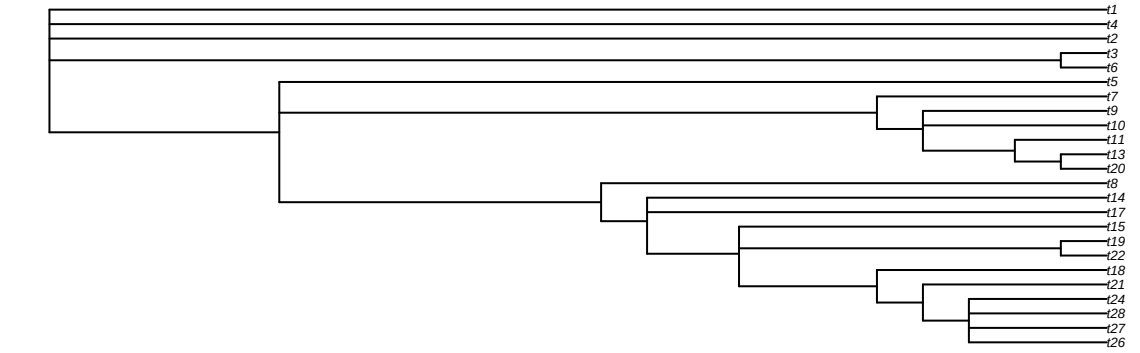

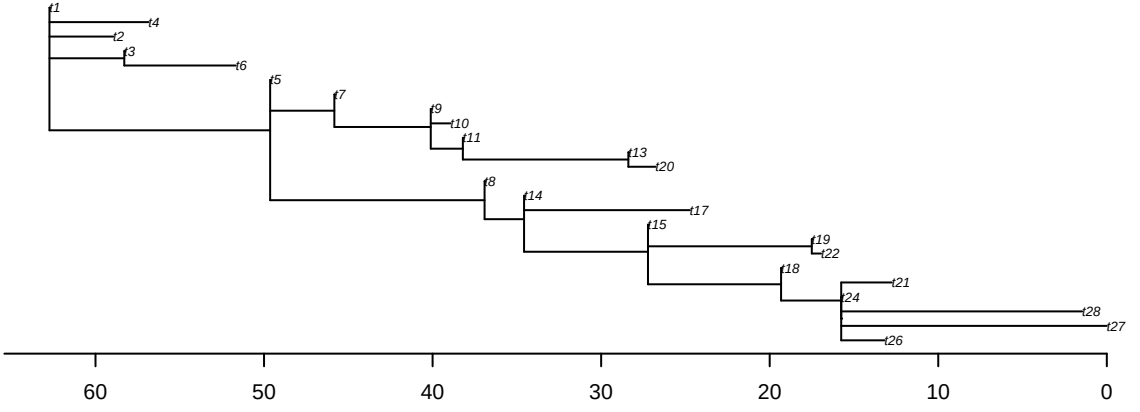

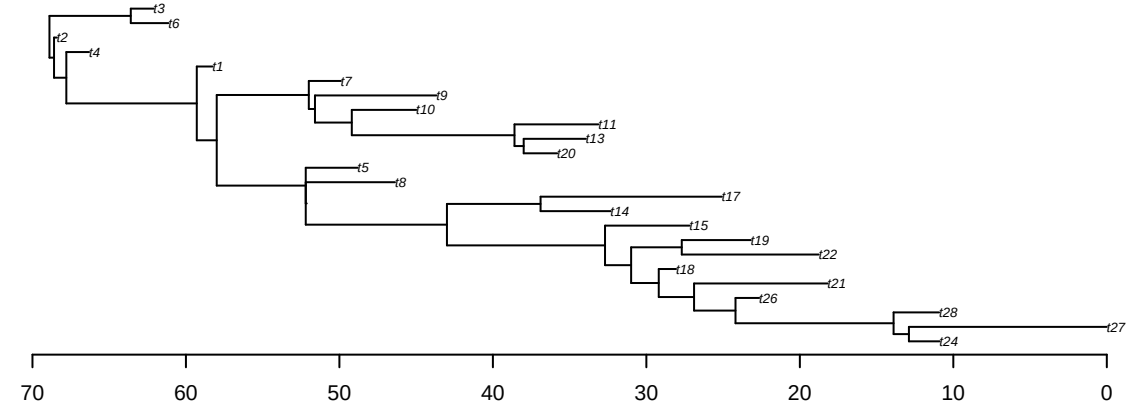

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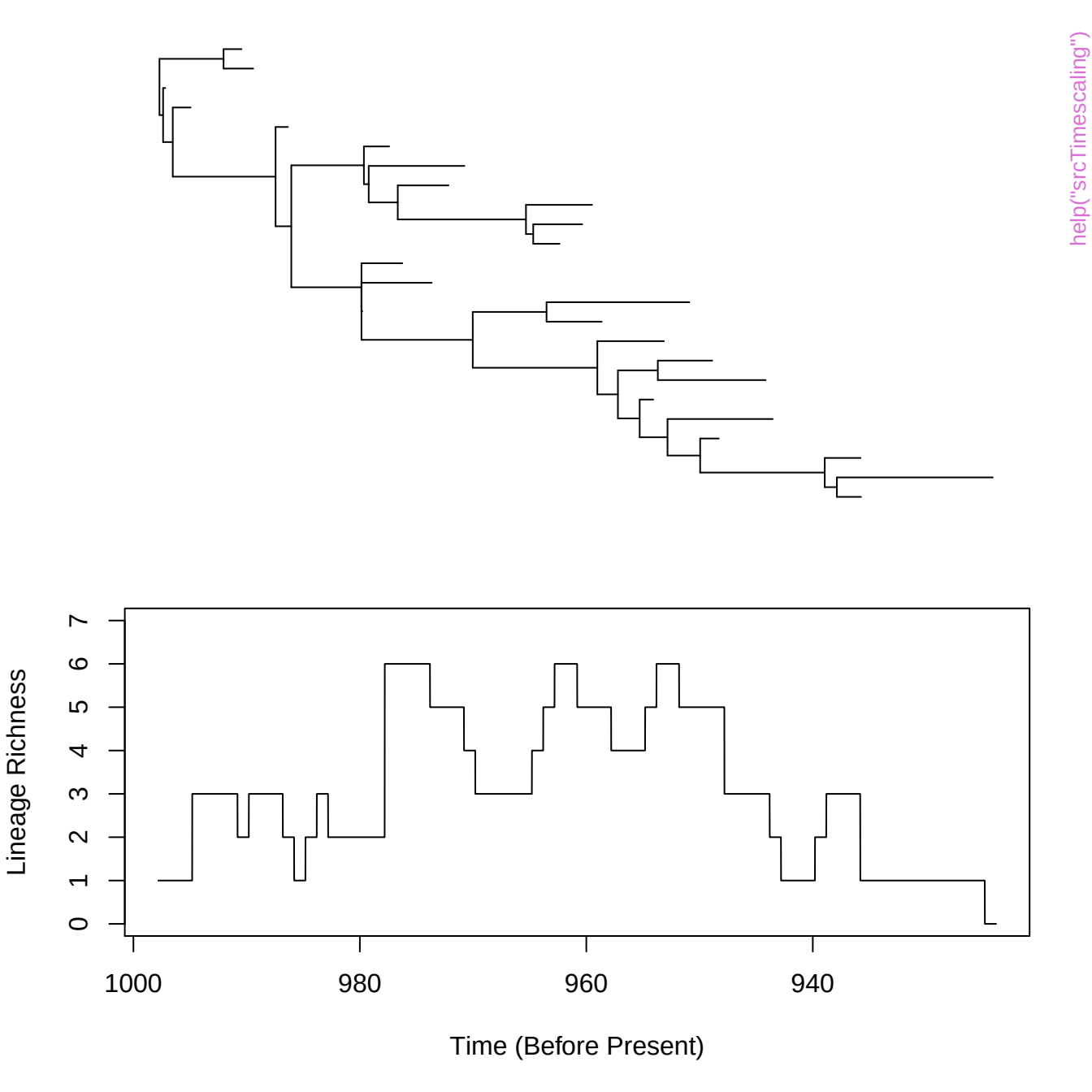
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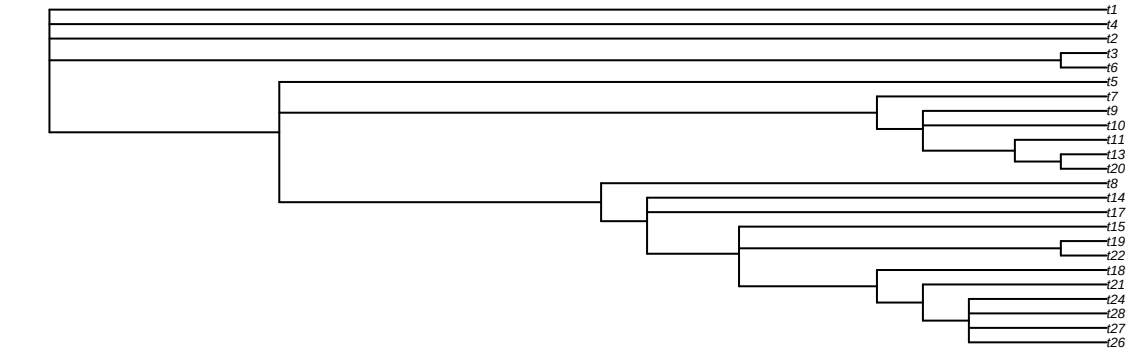
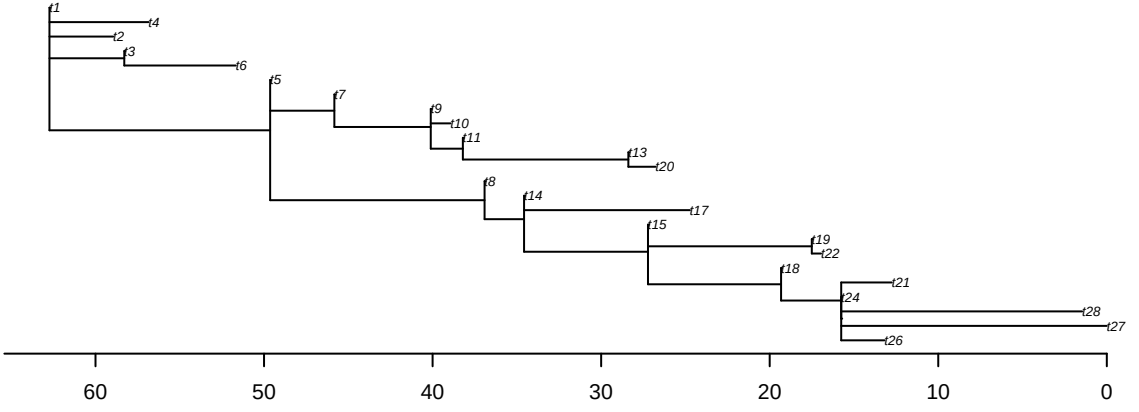
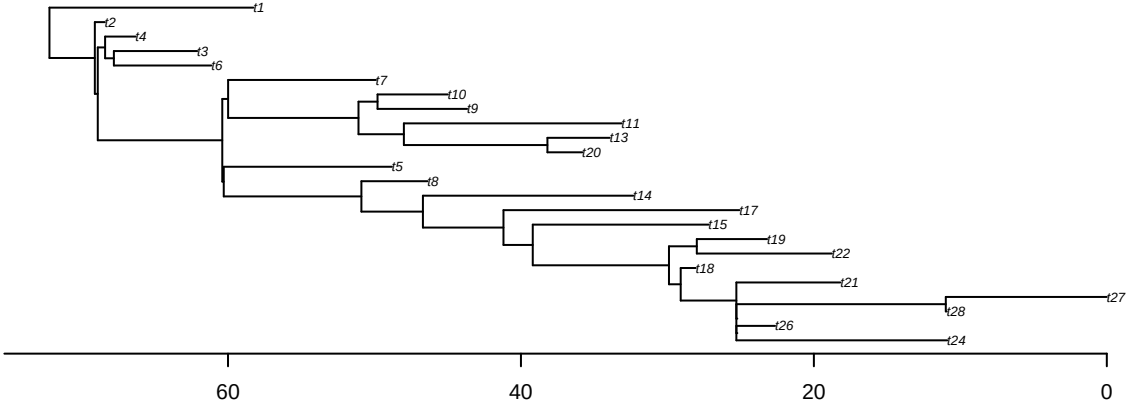
Time (Before Present)







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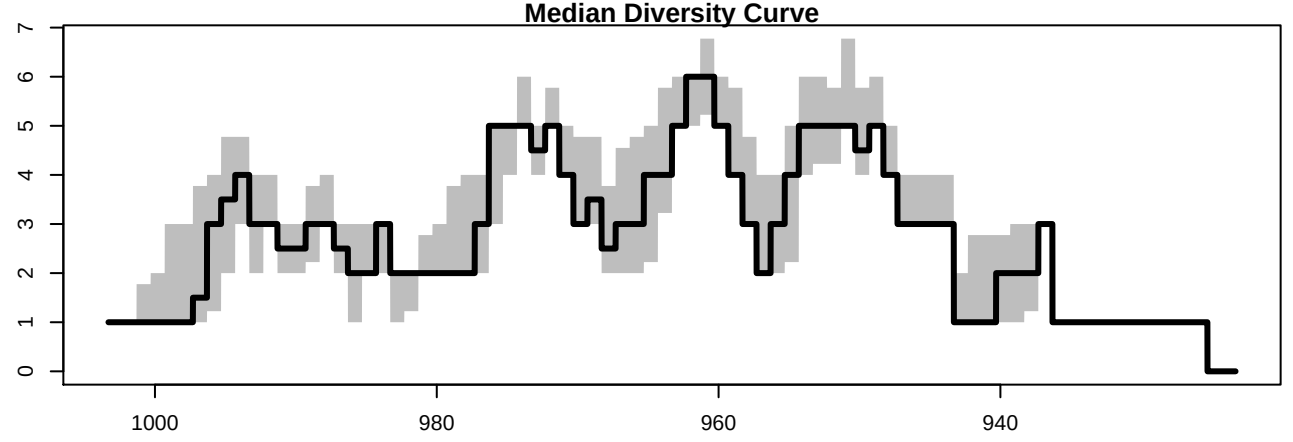

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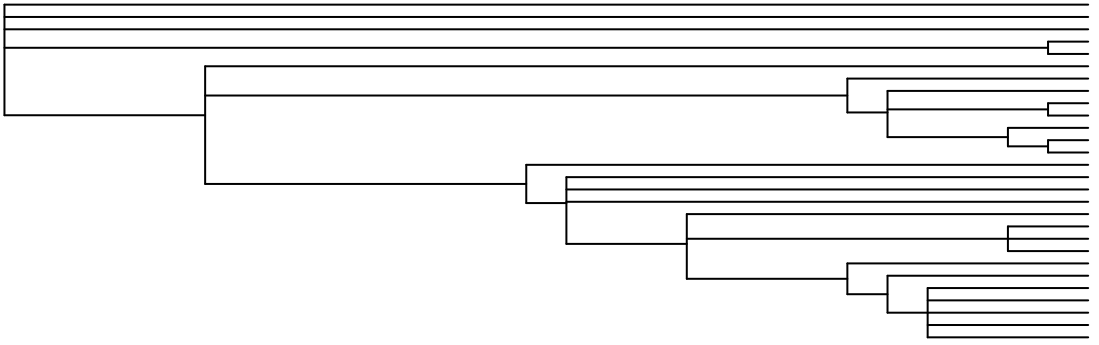

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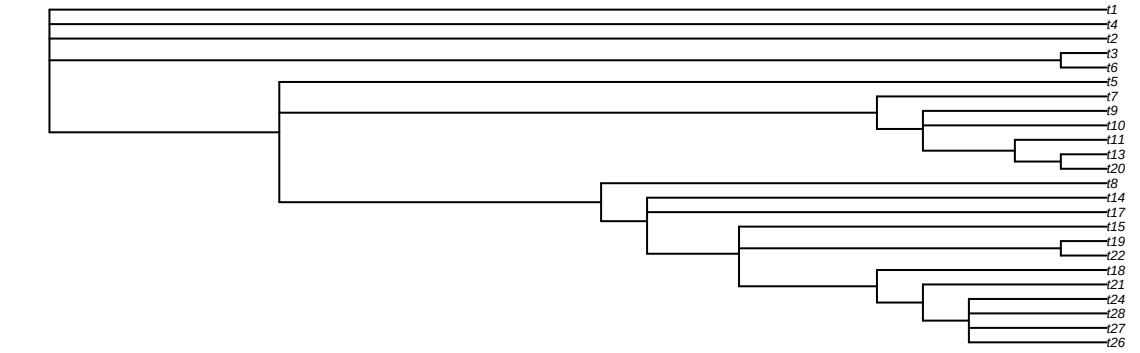

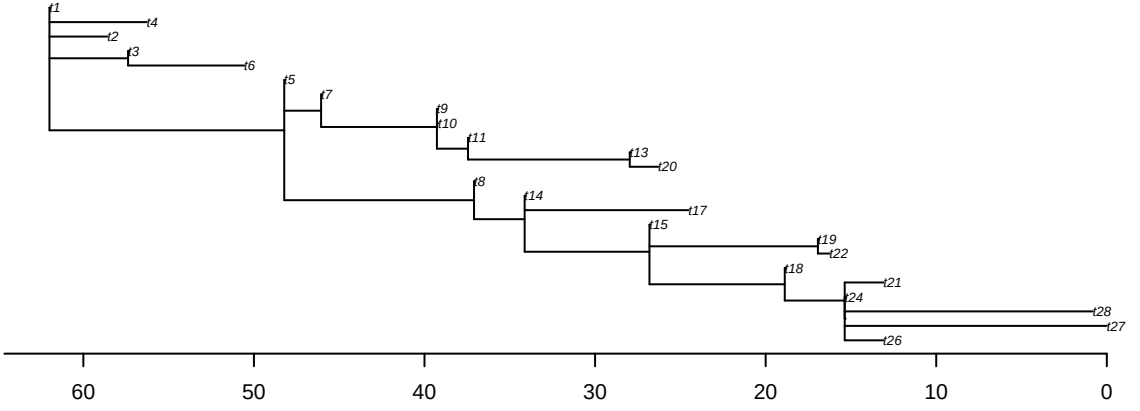

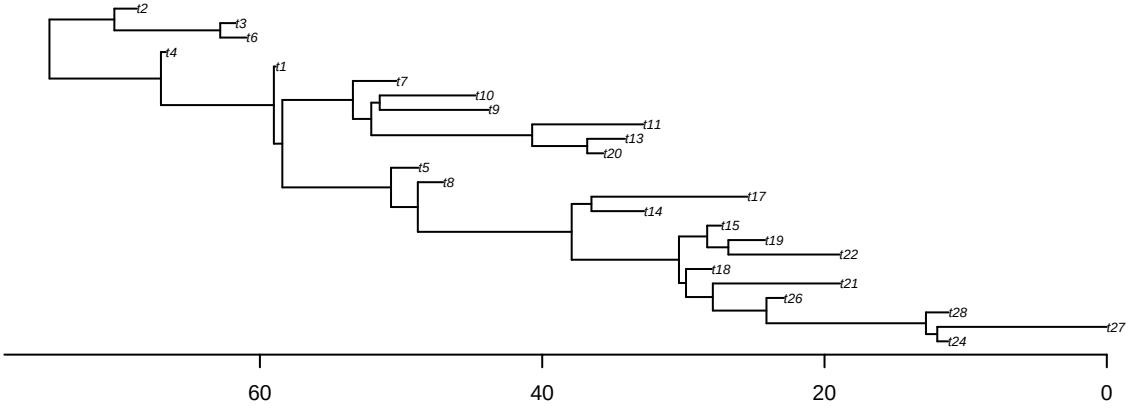

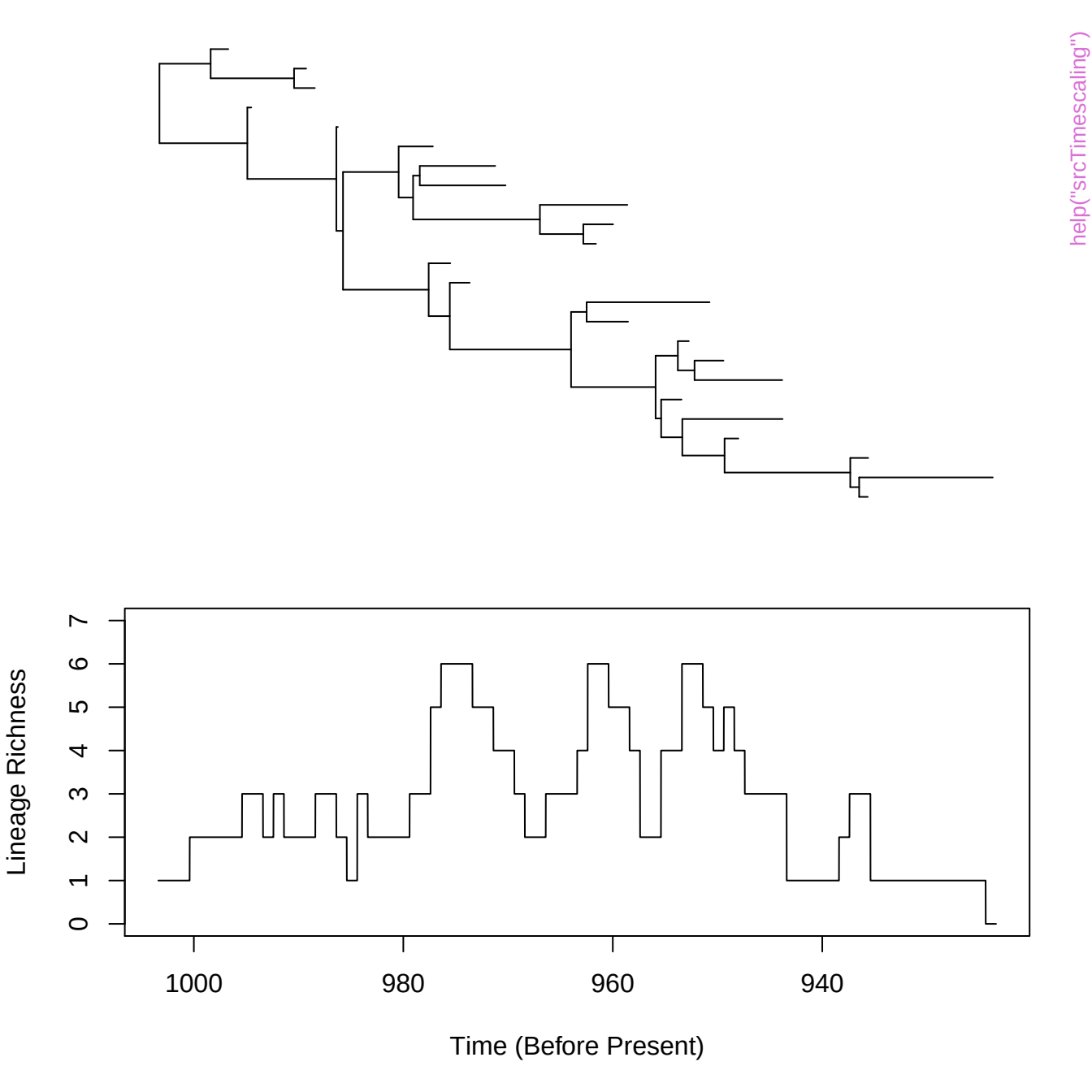
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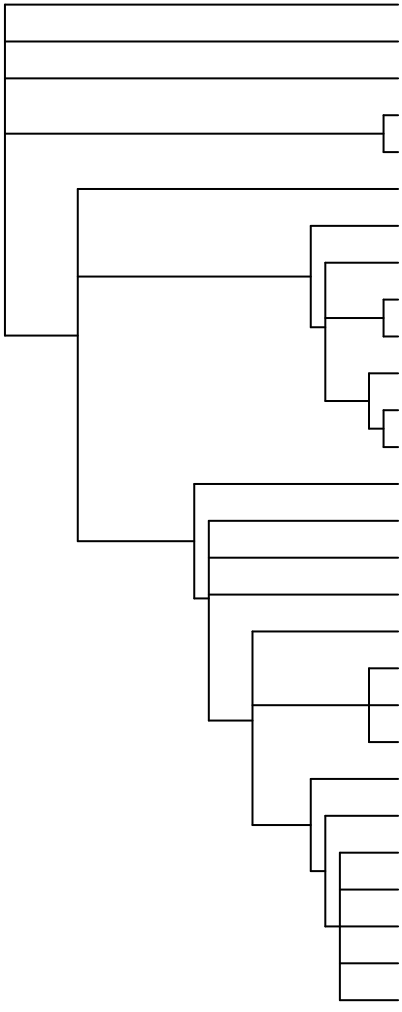
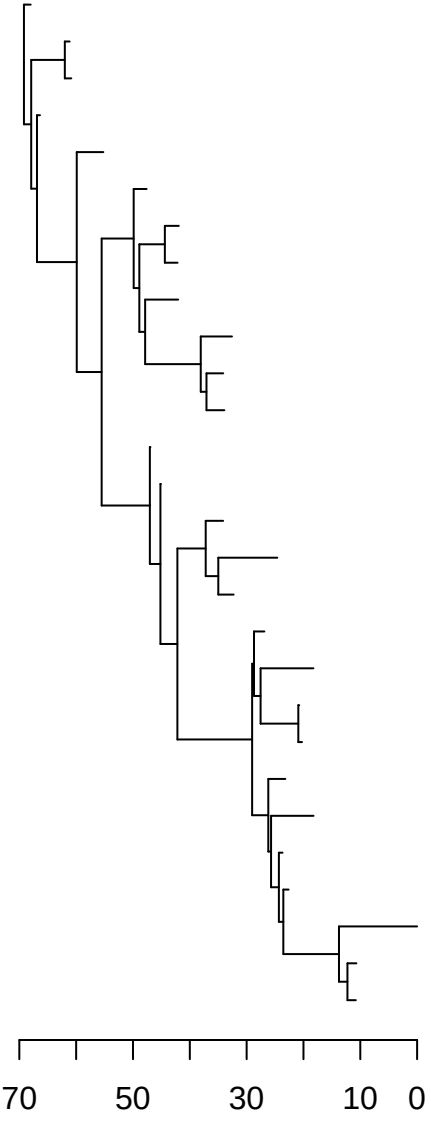
Time (Before Present)





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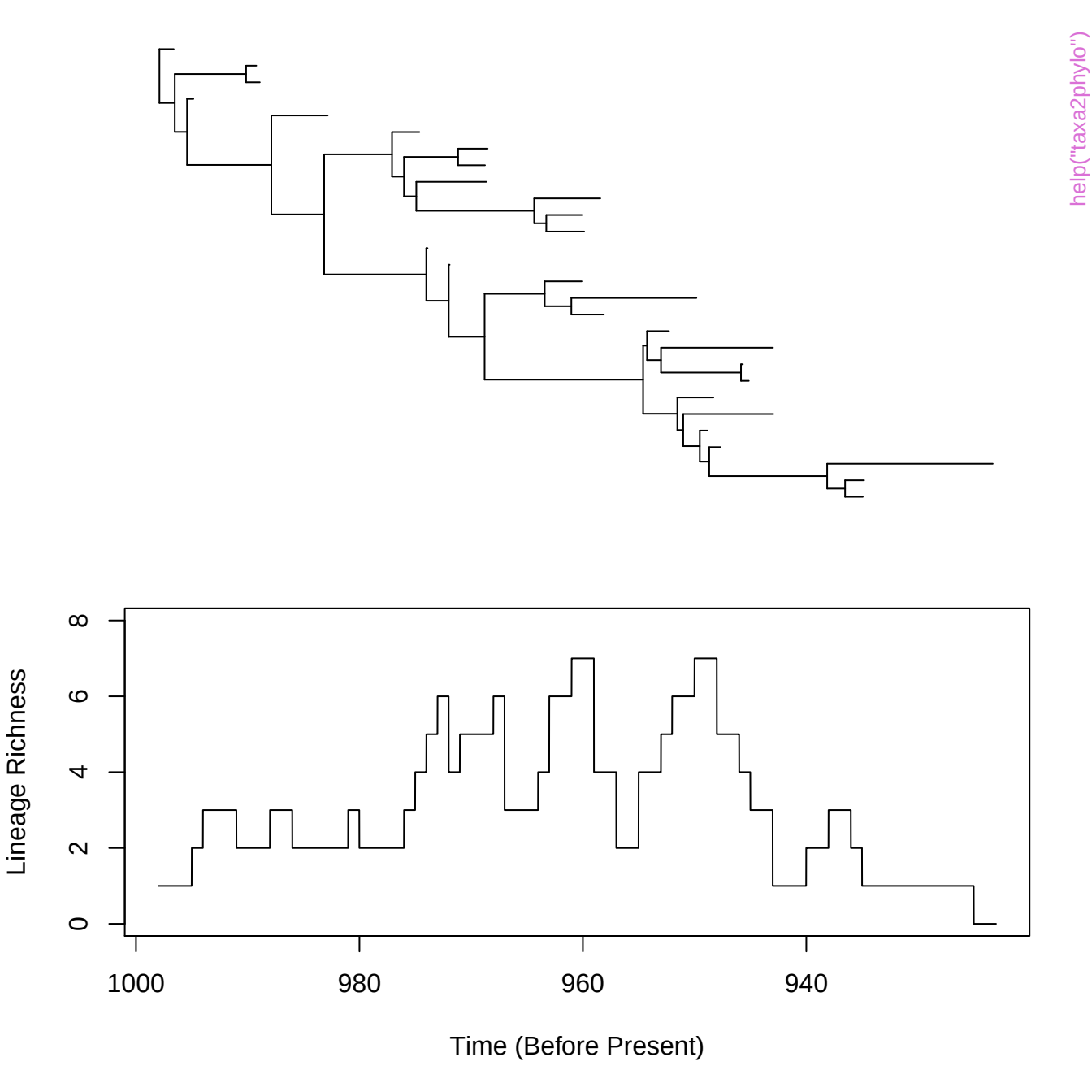
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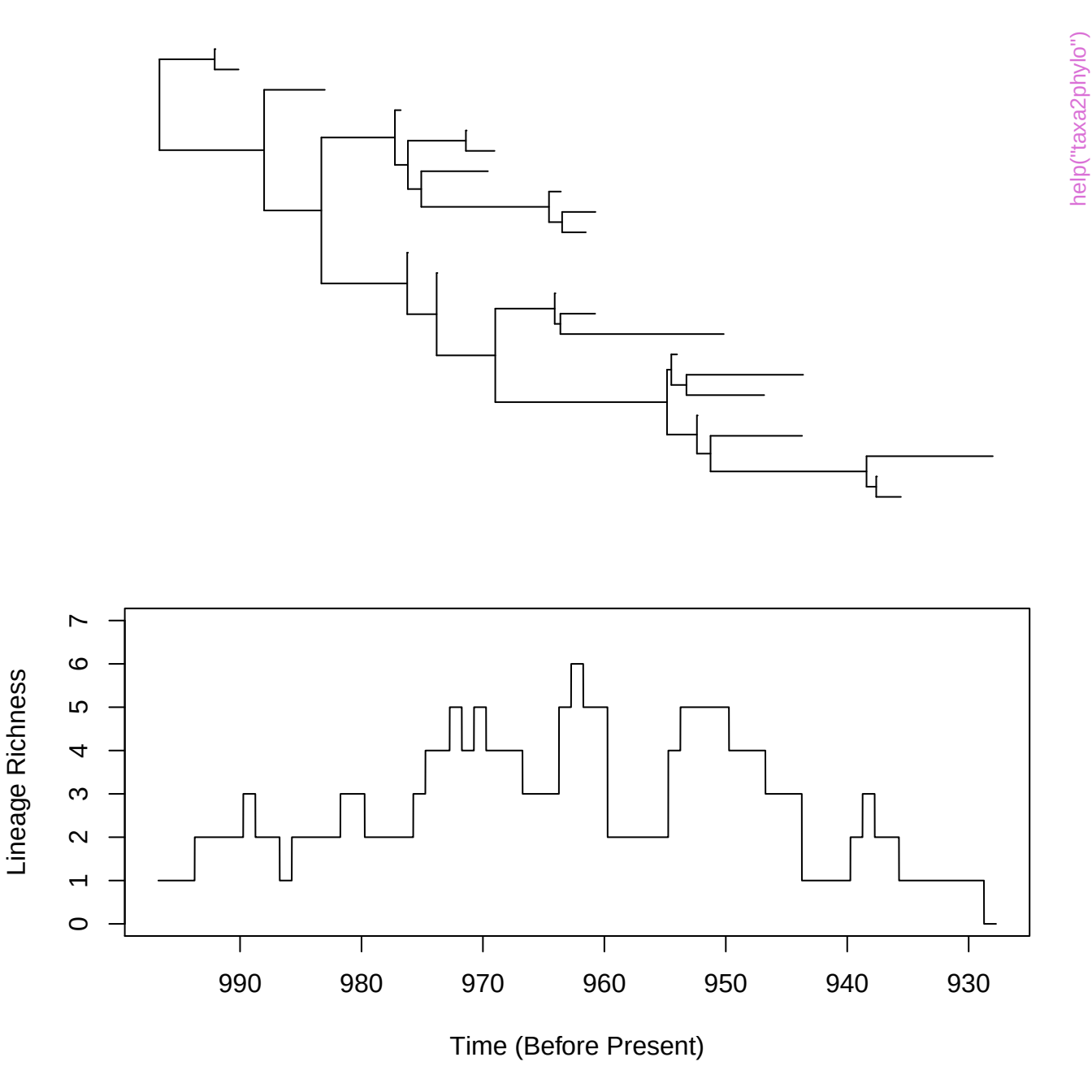
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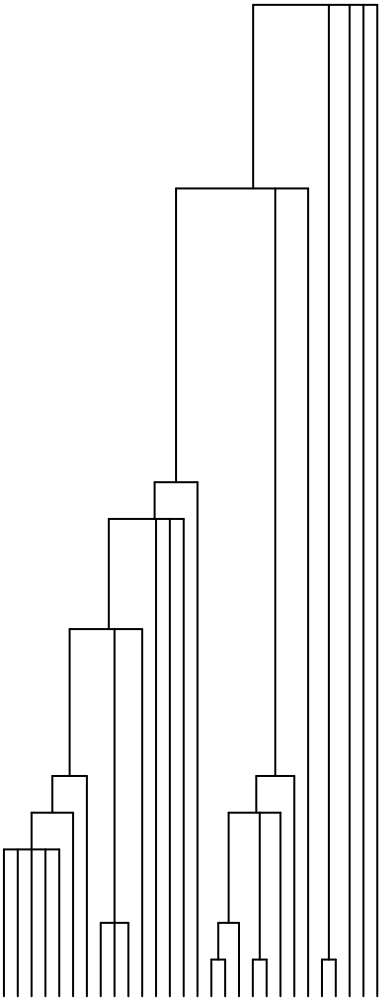
Time (Before Present)



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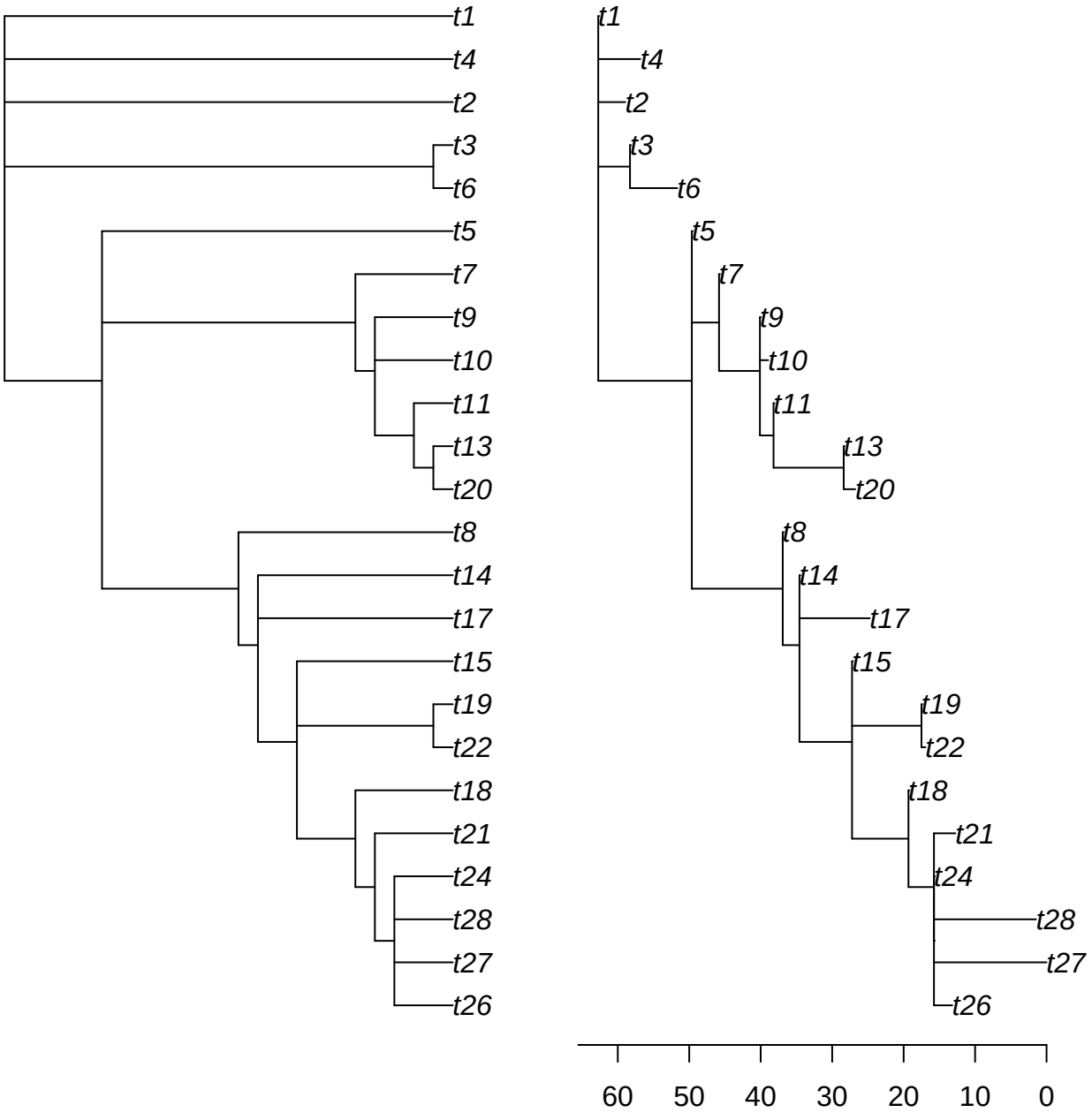
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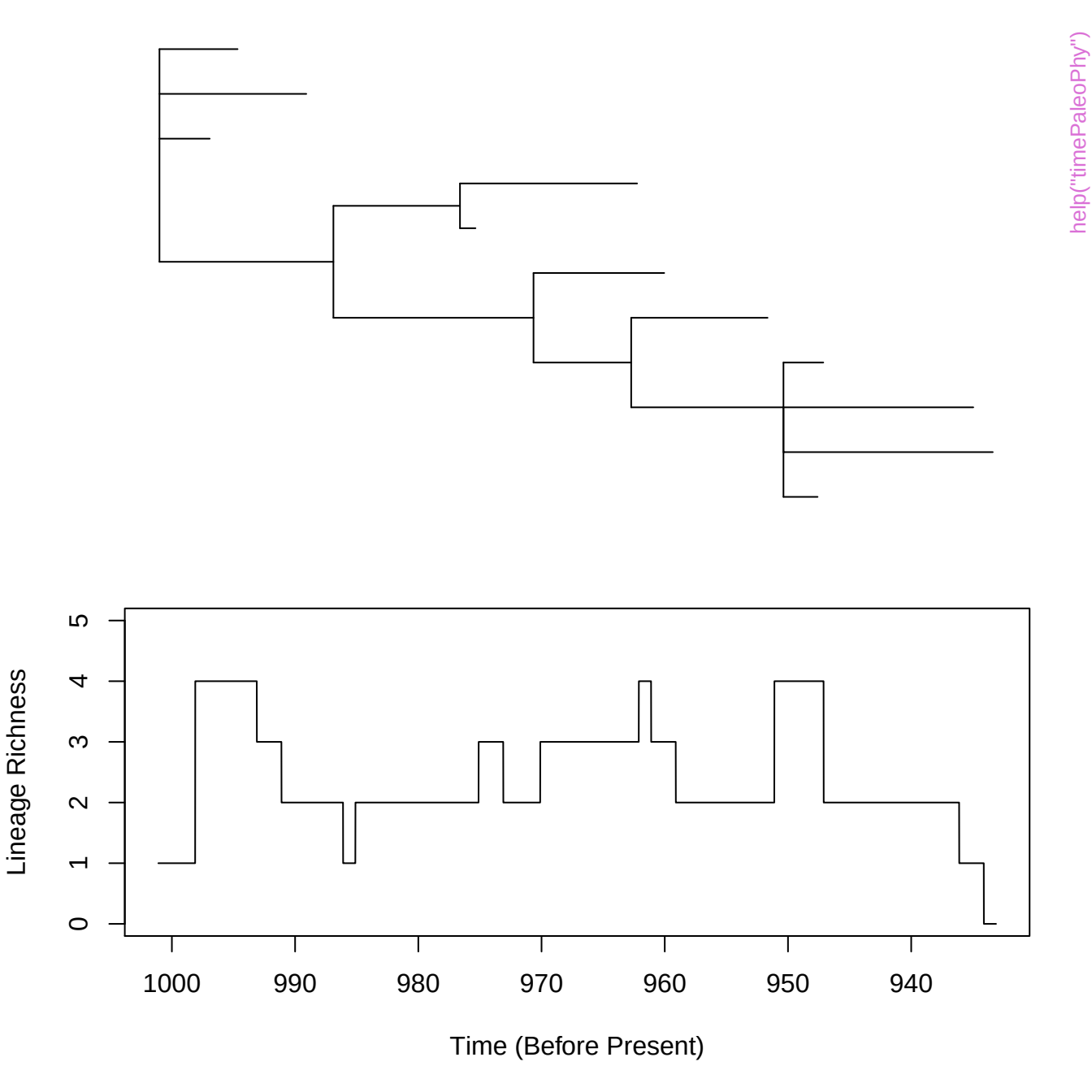
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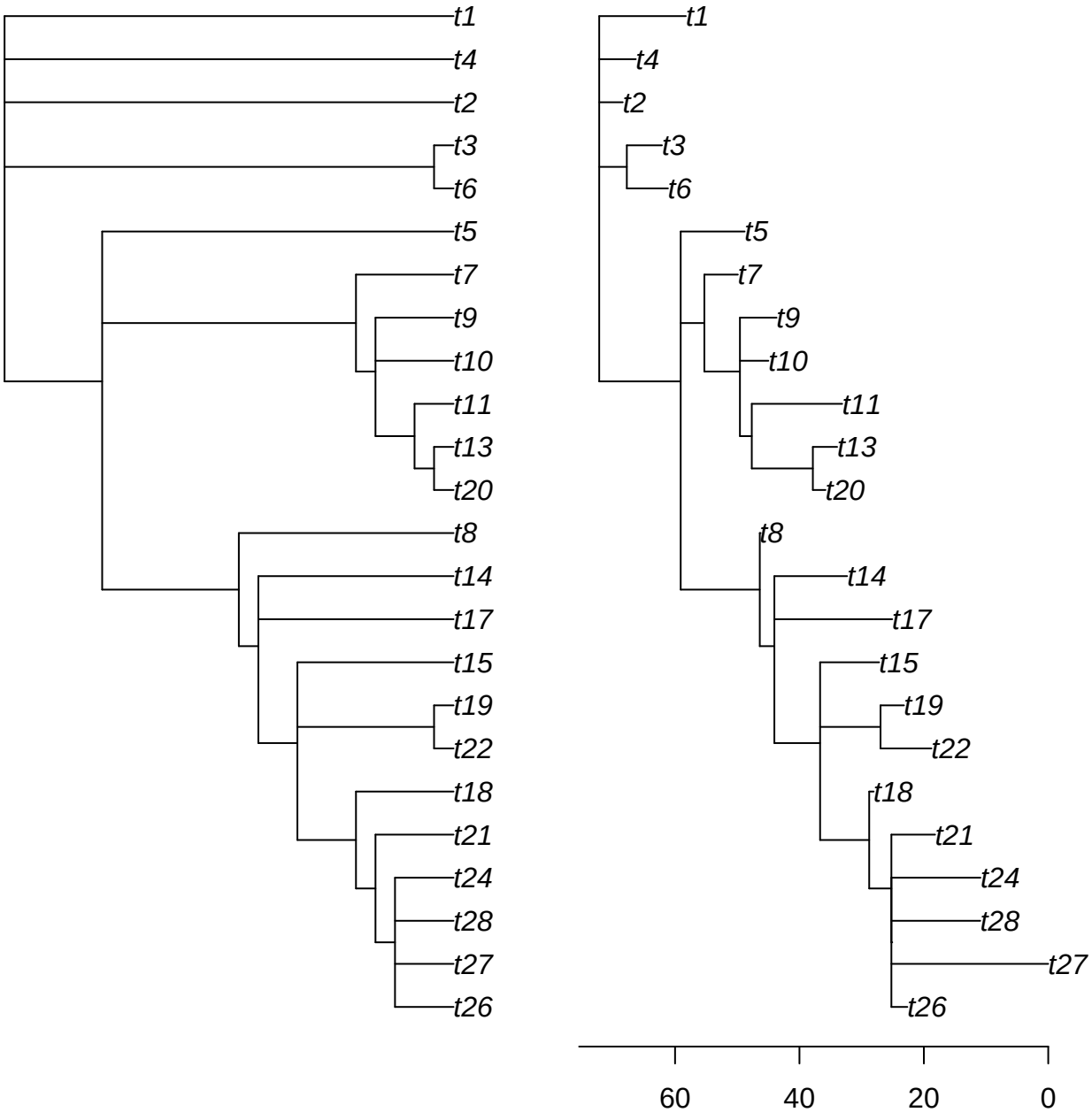
Time (Before Present)



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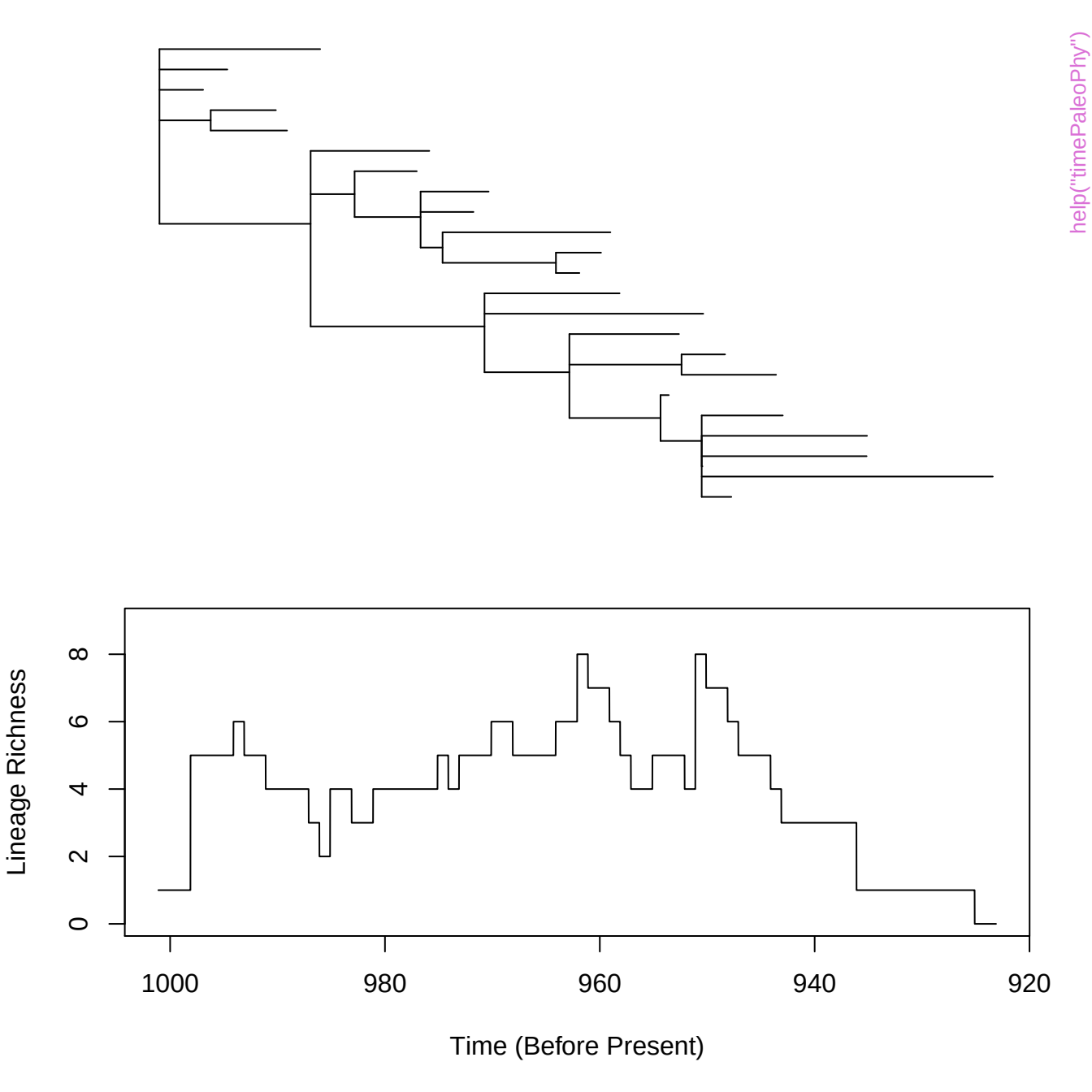
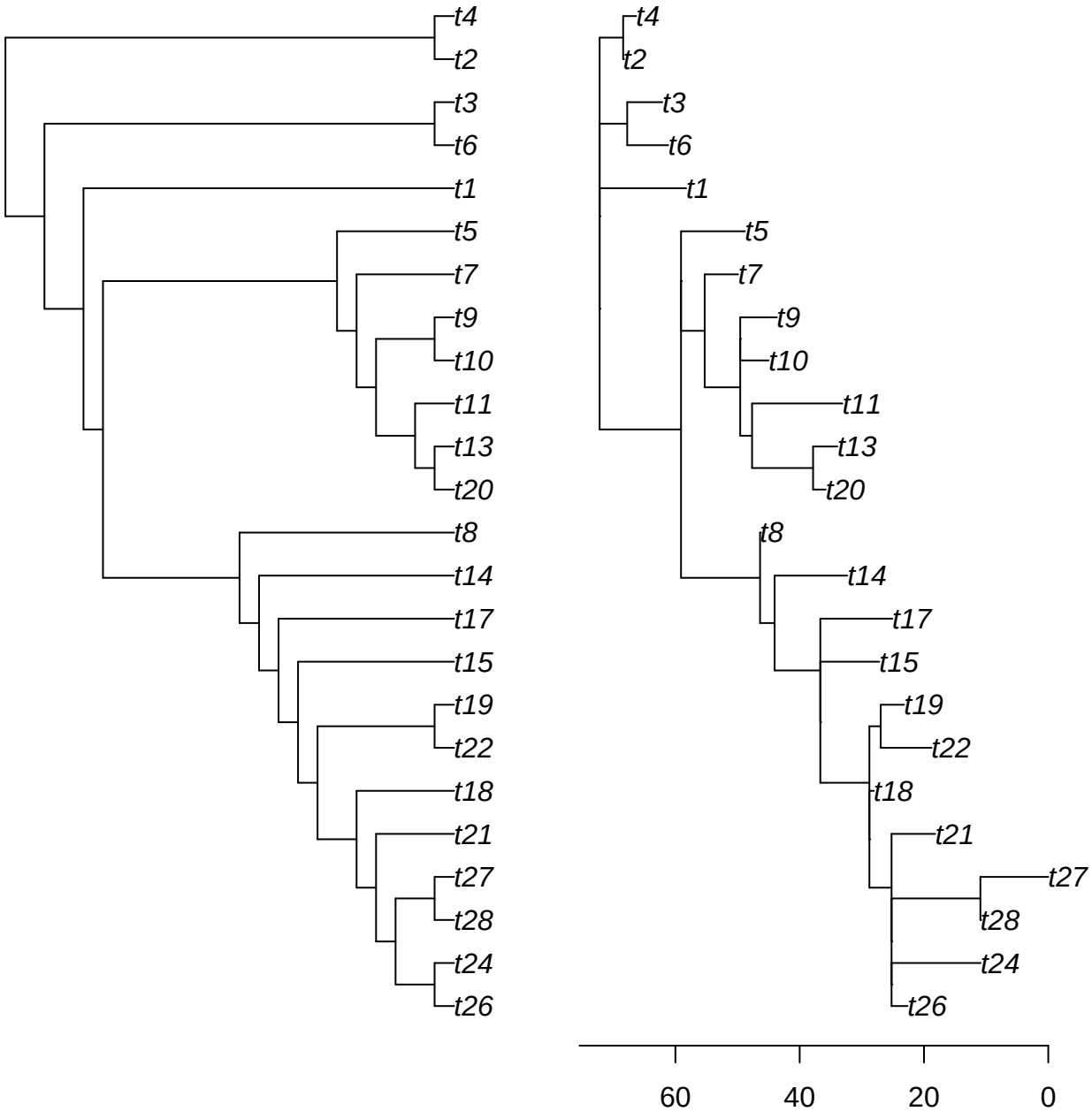

help("timePaleoPhy")
Lineage Richness
0
2
4
6
8
1000
980
960
940
920
Time (Before Present)


t4
t2
t3
t6
t1
t5
t7
t9
t10
t11
t13
t20
t8
t14
t17
t15
t19
t22
t18
t21
t27
t28
t24
t26
t4
t2
t3
t6
t1
t5
t7
t9
t10
t11
t13
t20
t8
t14
t17
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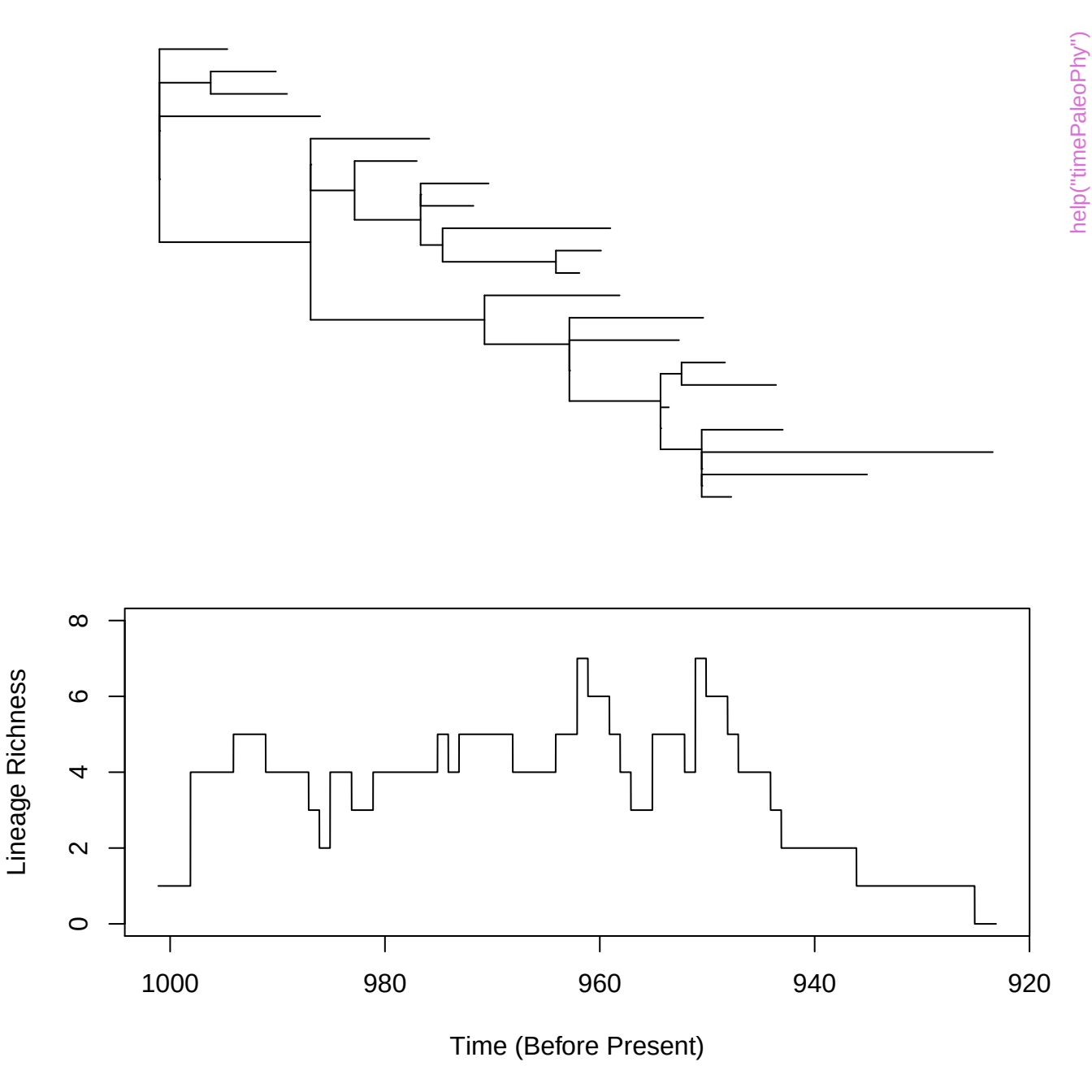
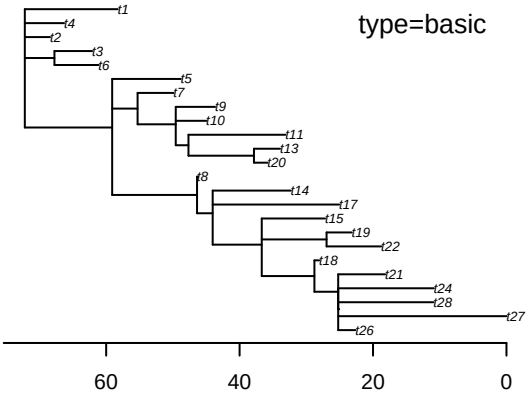
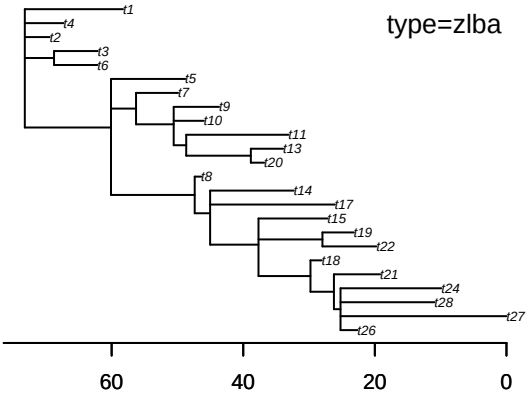
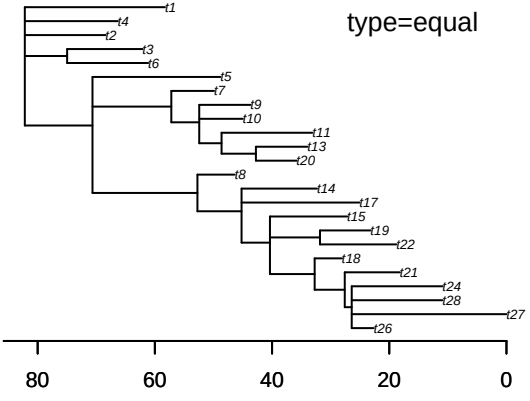
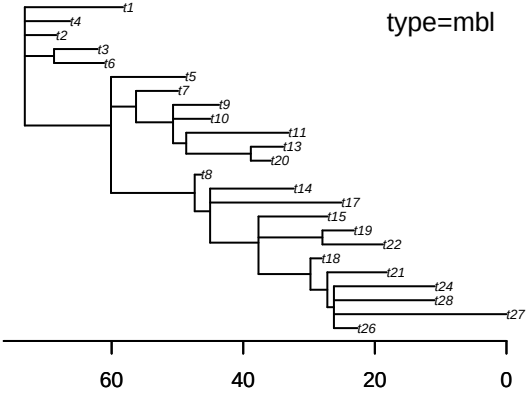
t19
t22
t18
t21
t27
t28
t24
t26
60
40
20
0
help("timePaleoPhy")

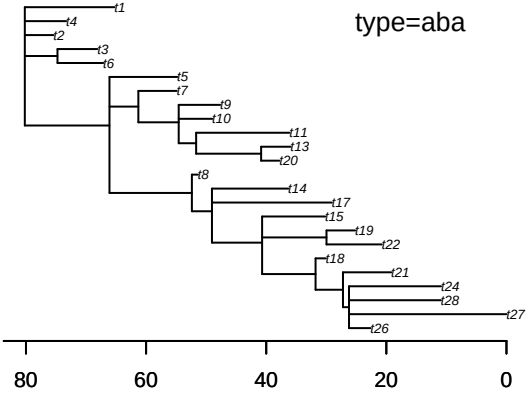

help("timePaleoPhy")
Lineage Richness
0
2
4
6
8
1000
980
960
940
920
Time (Before Present)



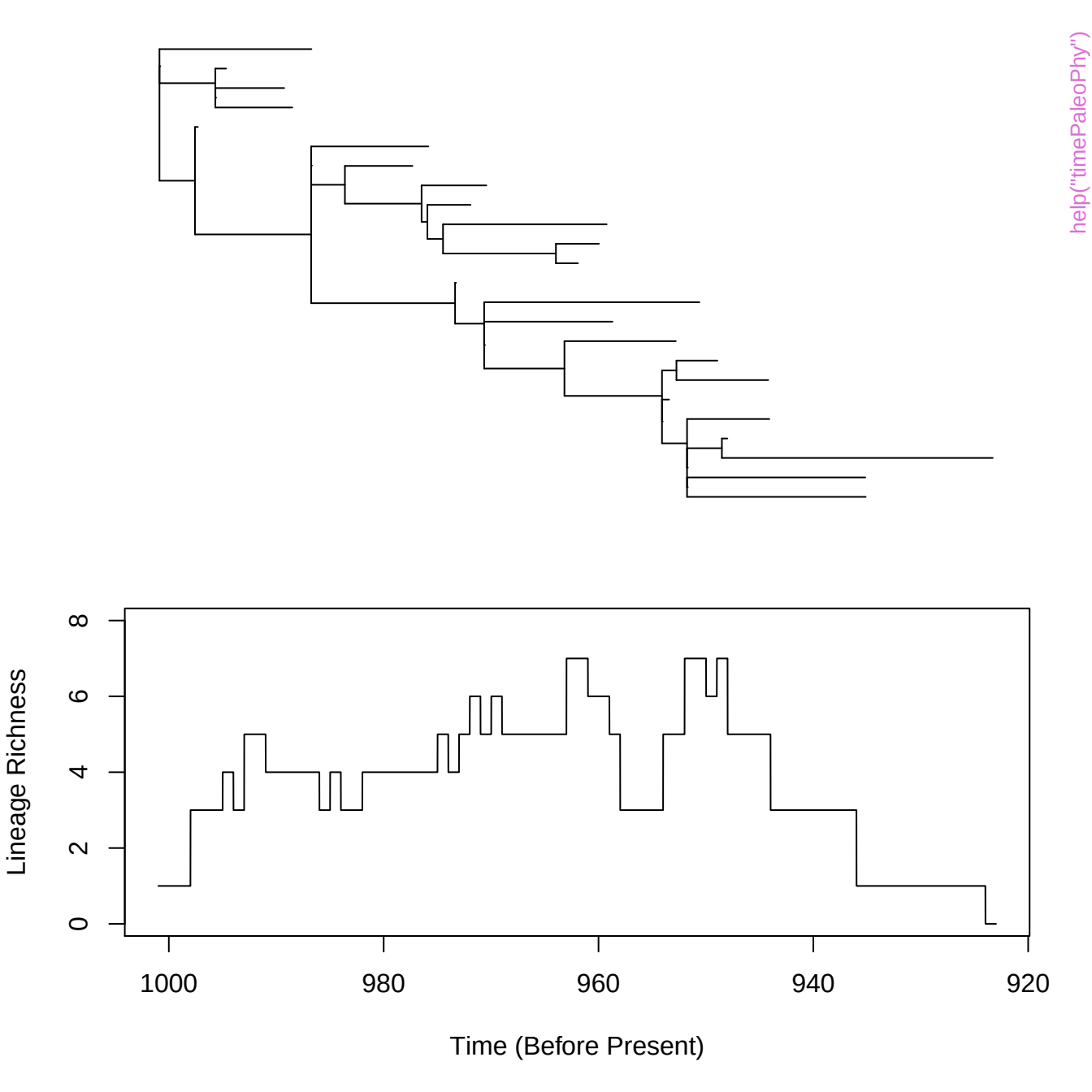


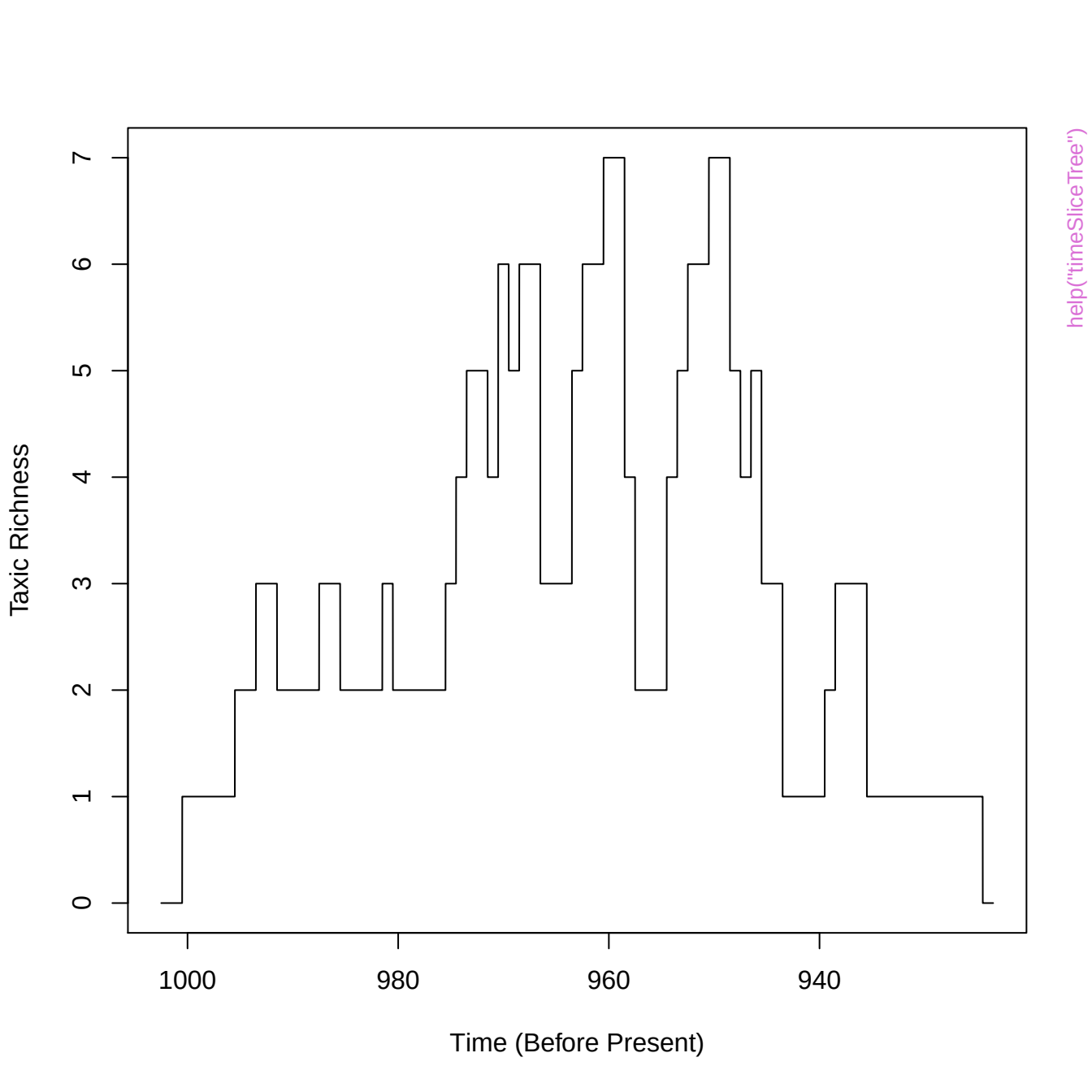


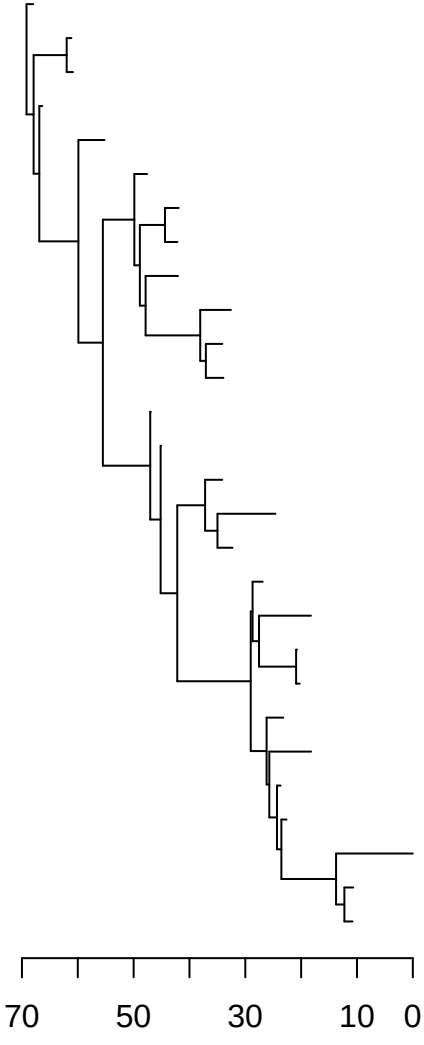




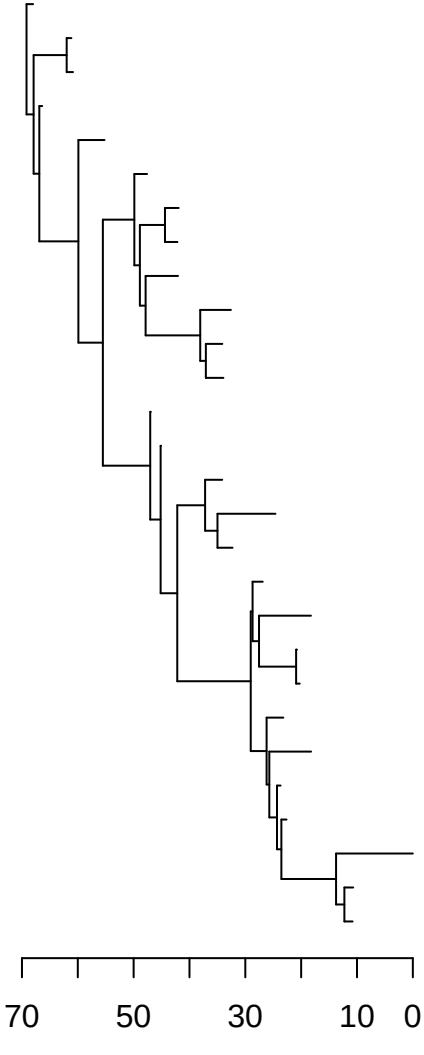
help("timePaleoPhy")

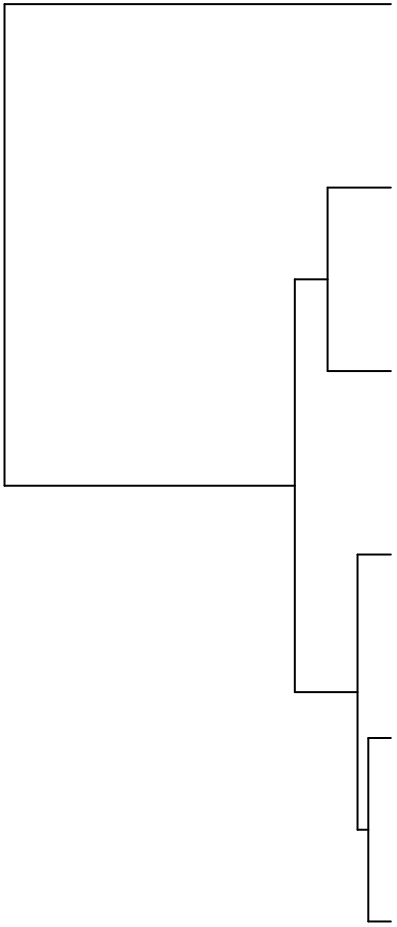

help("timePaleoPhy")
Lineage Richness
0
2
4
6
8
1000
980
960
940
920
Time (Before Present)


Taxic Richness
0
1
2
3
4
5
6
7
1000
980
960
940
Time (Before Present)
help("timeSliceTree")

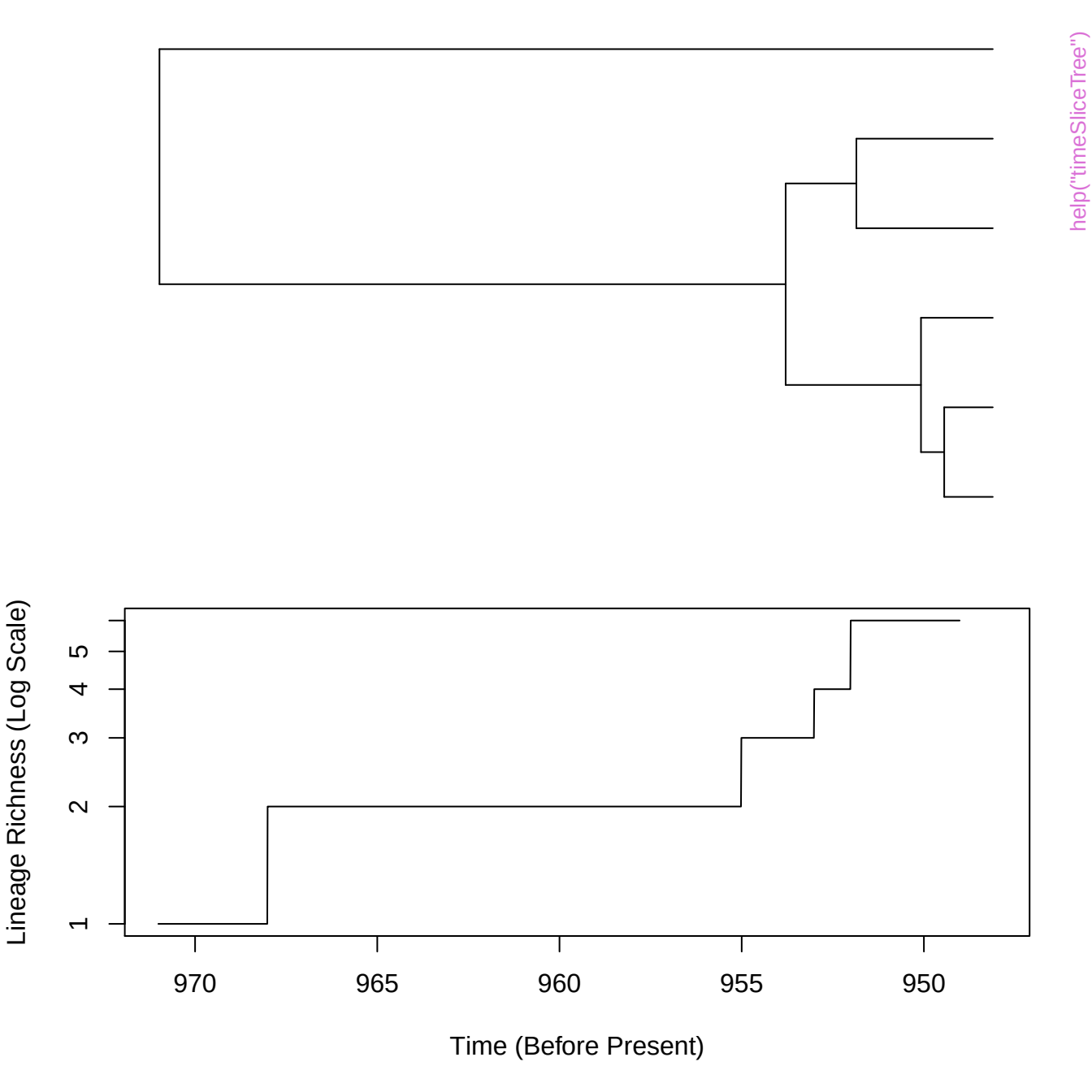


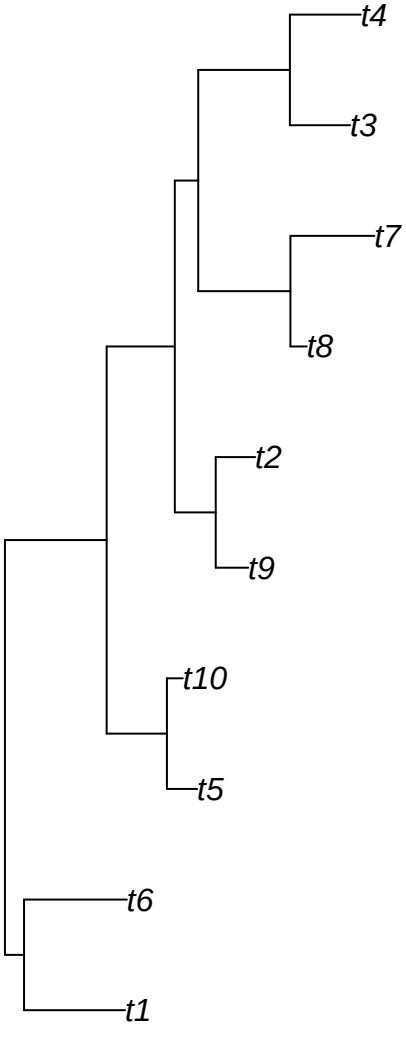
help("timeSliceTree")

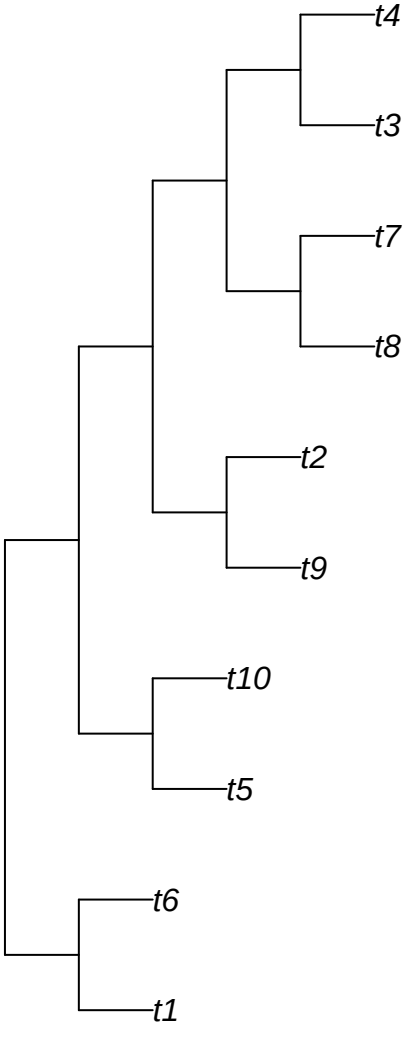




help("timeSliceTree")


help("timeSliceTree")
Lineage Richness (Log Scale)
1
2
3
4
5
970
965
960
955
950
Time (Before Present)





help("unitLengthTree")