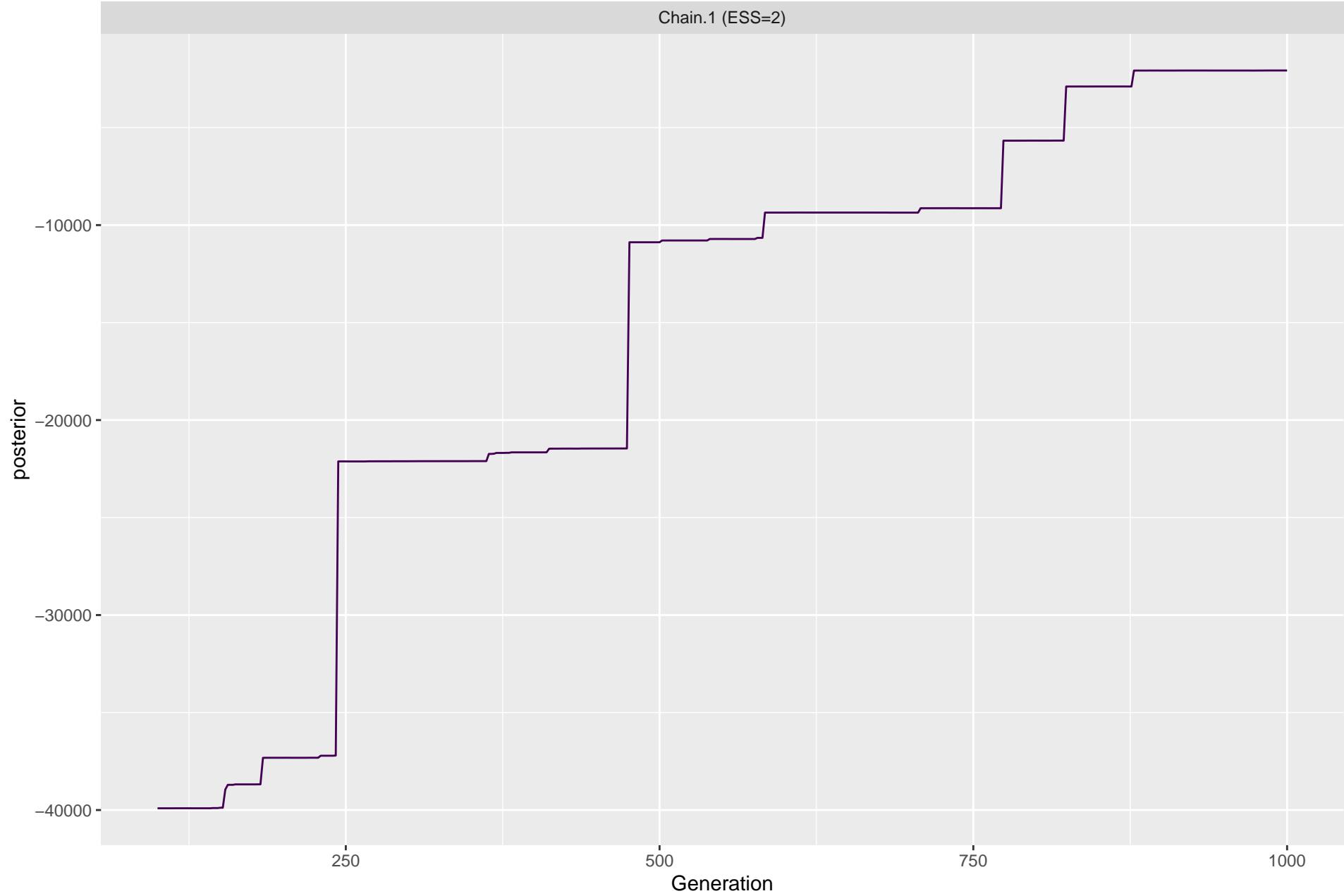


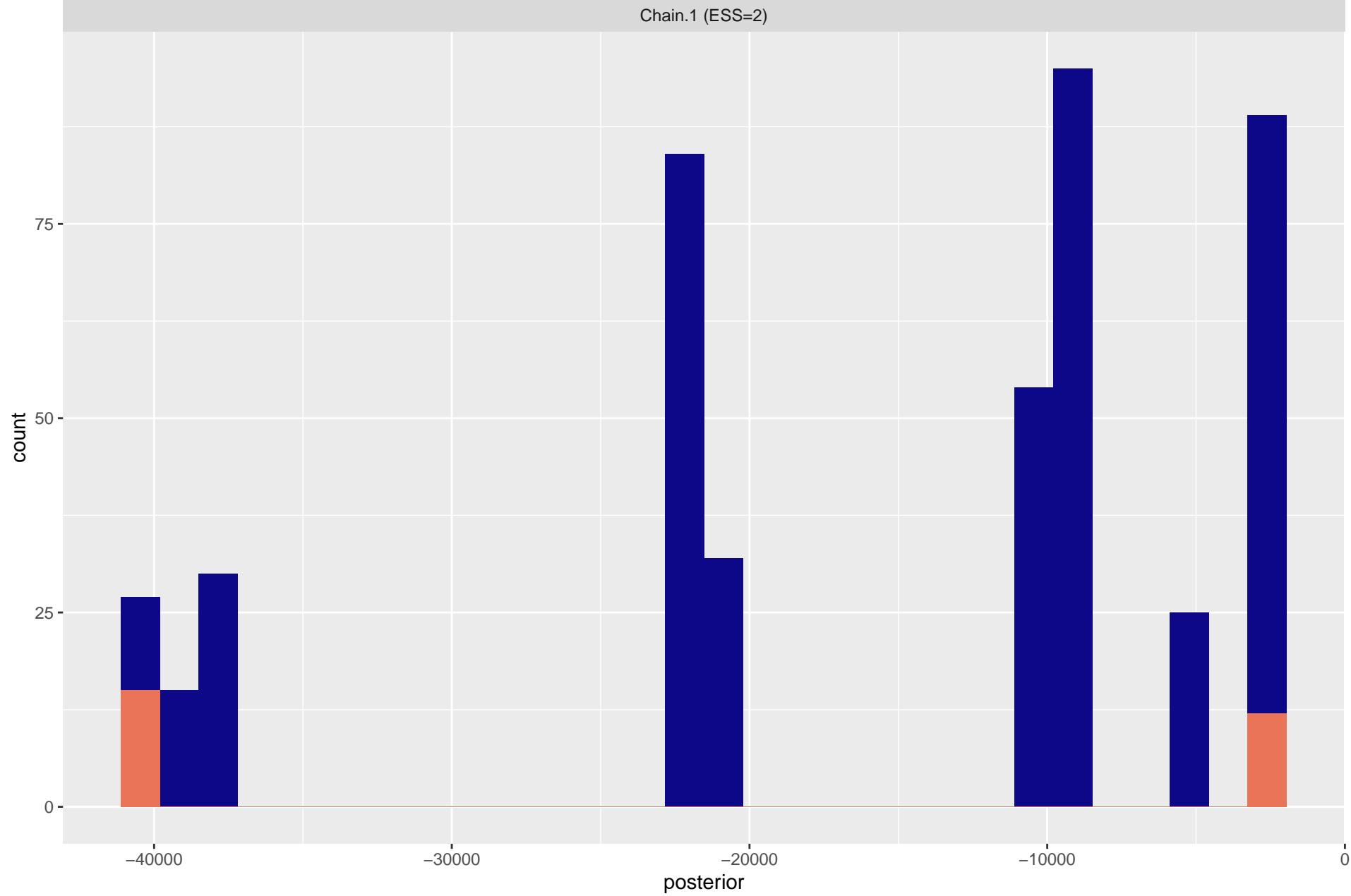
posterior trace

Chain.1 (ESS=2)



posterior trace

Chain.1 (ESS=2)



prior trace

Chain.1 (ESS=2)

prior

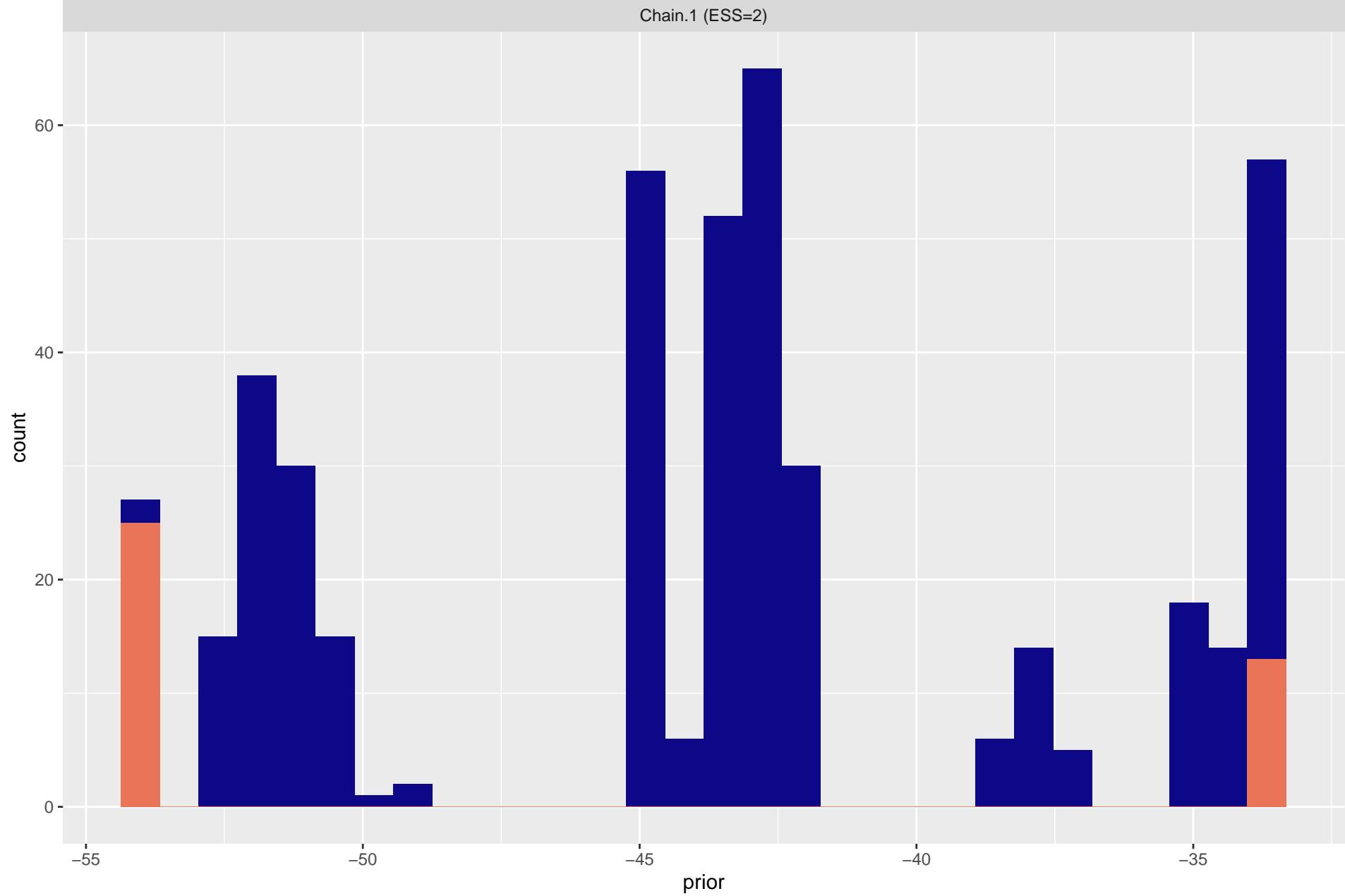
-35
-40
-45
-50
-55

250 500 750 1000

Generation

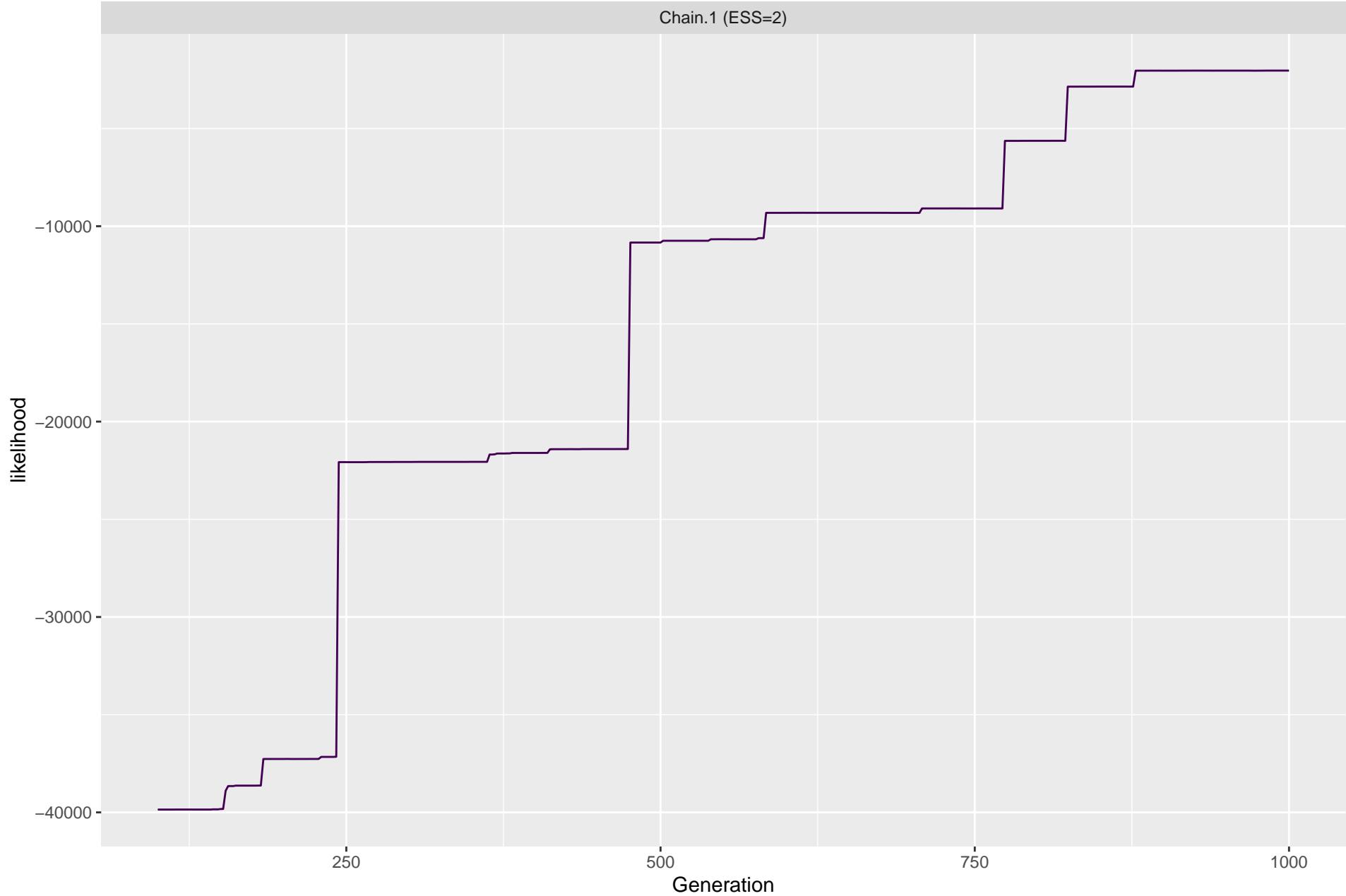
prior trace

Chain.1 (ESS=2)



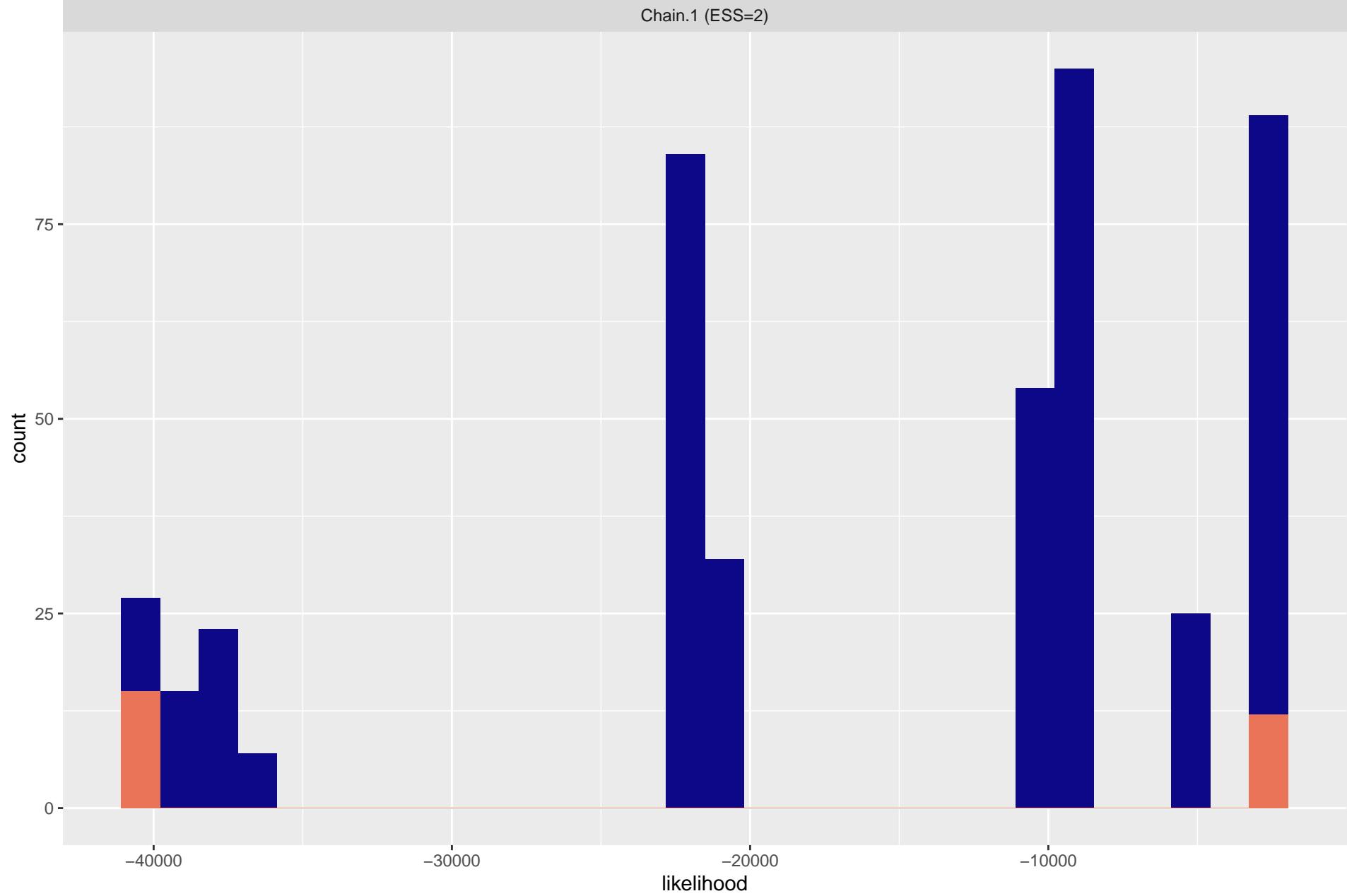
likelihood trace

Chain.1 (ESS=2)



likelihood trace

Chain.1 (ESS=2)



errorModel.deltaOffset trace

Chain.1 (ESS=2)

errorModel.deltaOffset

0.17

0.15

0.13

250

500

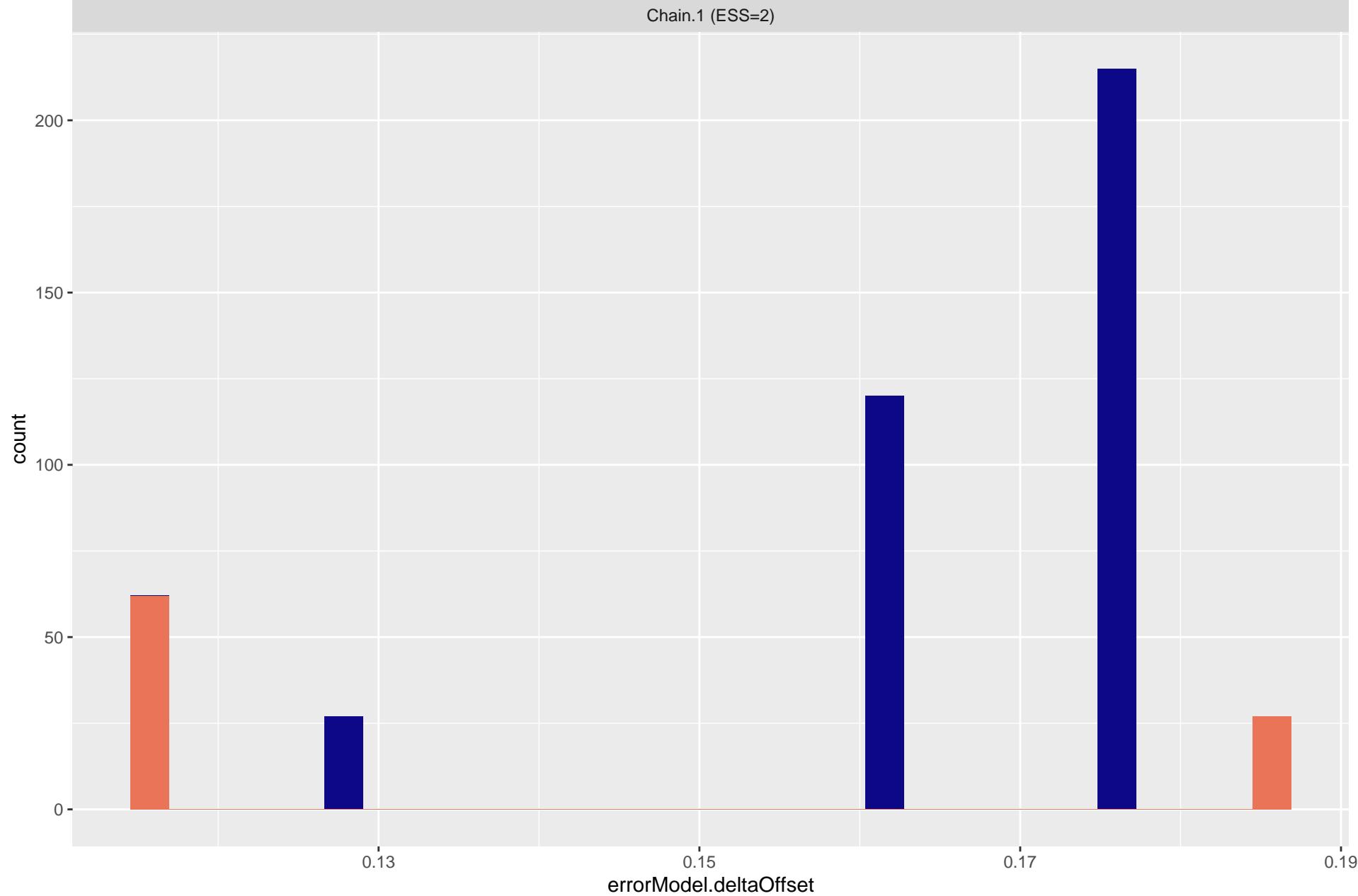
750

1000

Generation

errorModel.deltaOffset trace

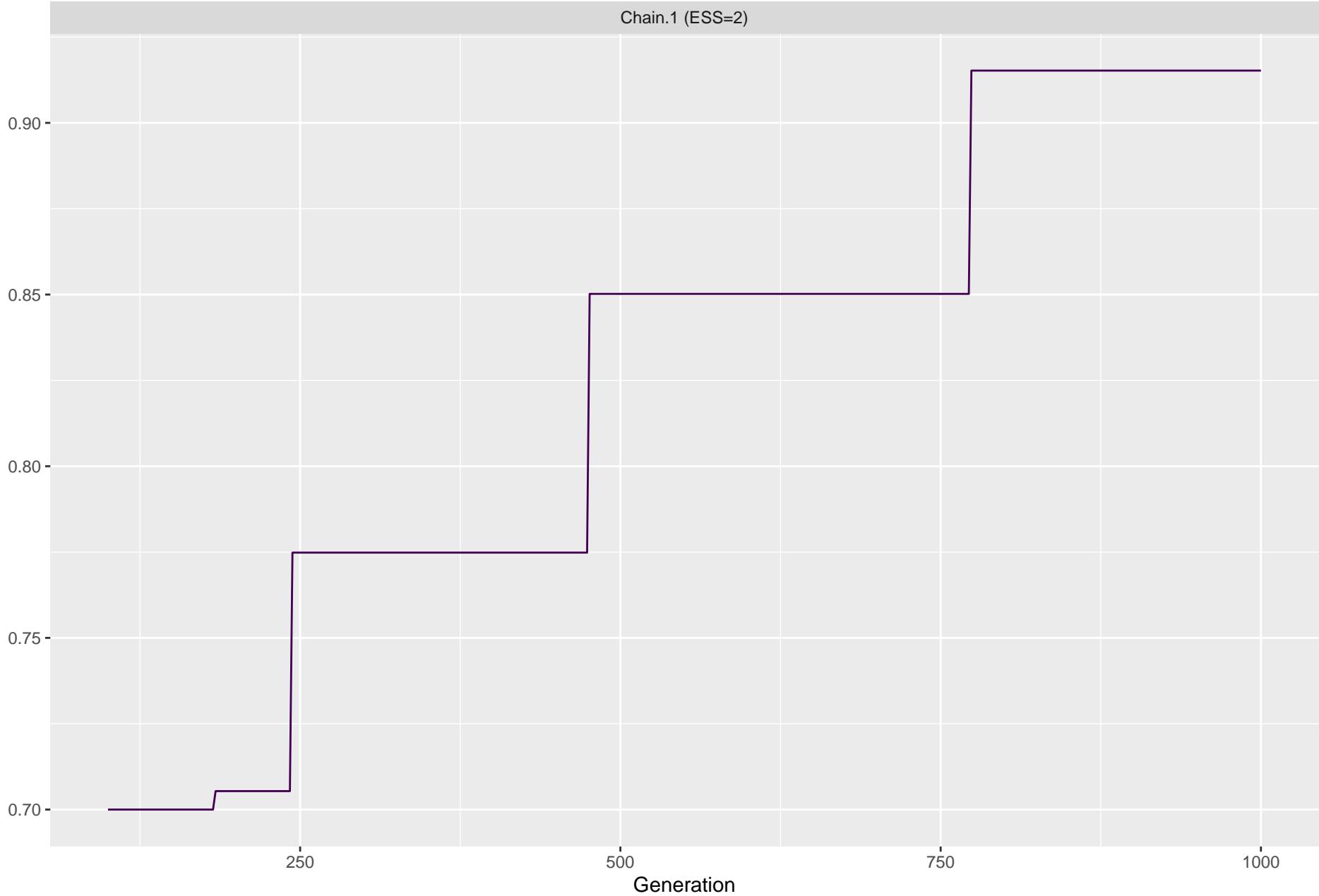
Chain.1 (ESS=2)



errorModel.etaOffset trace

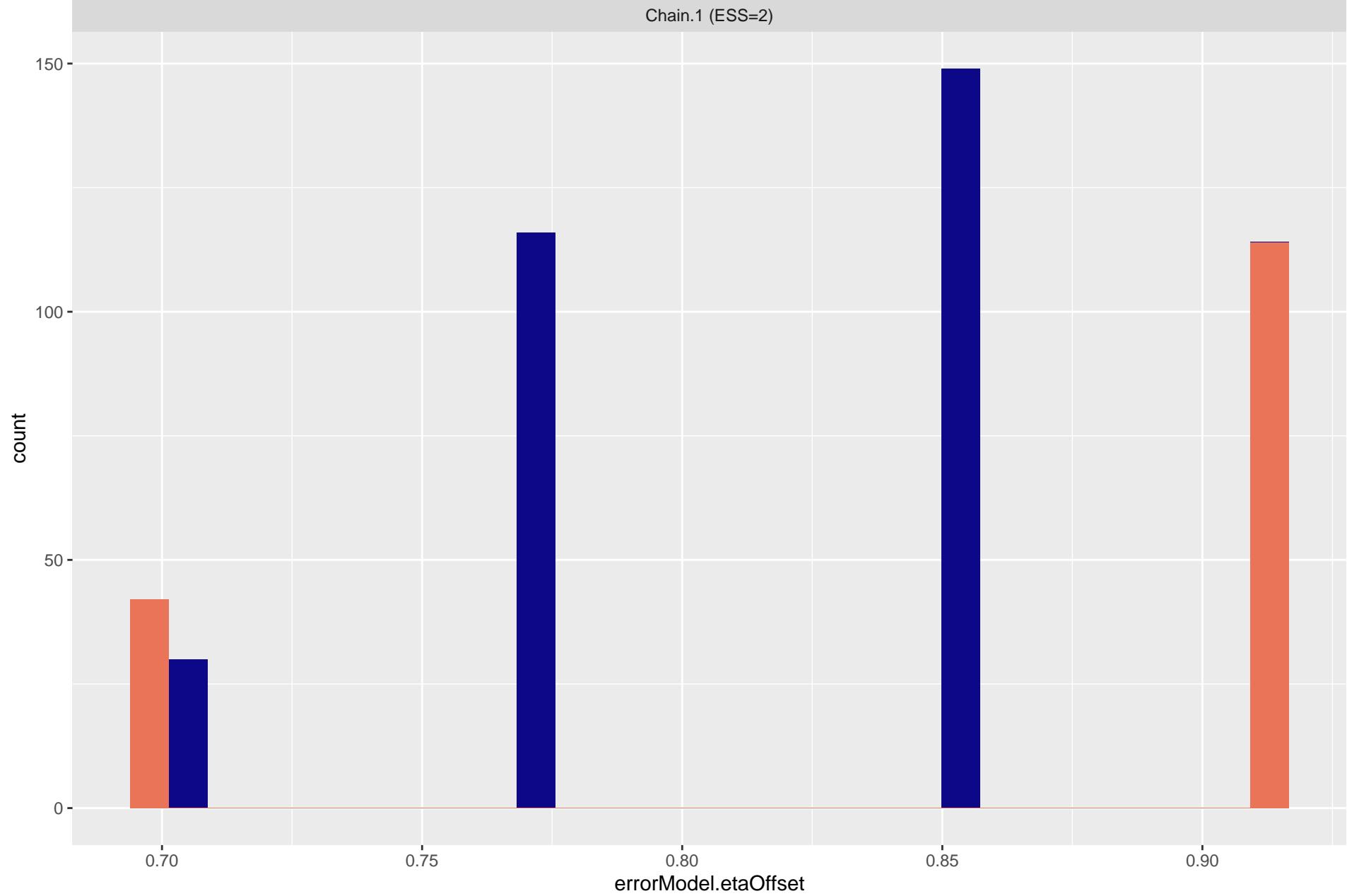
Chain.1 (ESS=2)

errorModel.etaOffset



errorModel.etaOffset trace

Chain.1 (ESS=2)



errorModel.kappaScale trace

Chain.1 (ESS=0)

errorModel.kappaScale

50.025

50.000

49.975

49.950

250

500

750

1000

Generation



errorModel.kappaScale trace

Chain.1 (ESS=0)

count

400

300

200

100

0

49.950

49.975

50.000

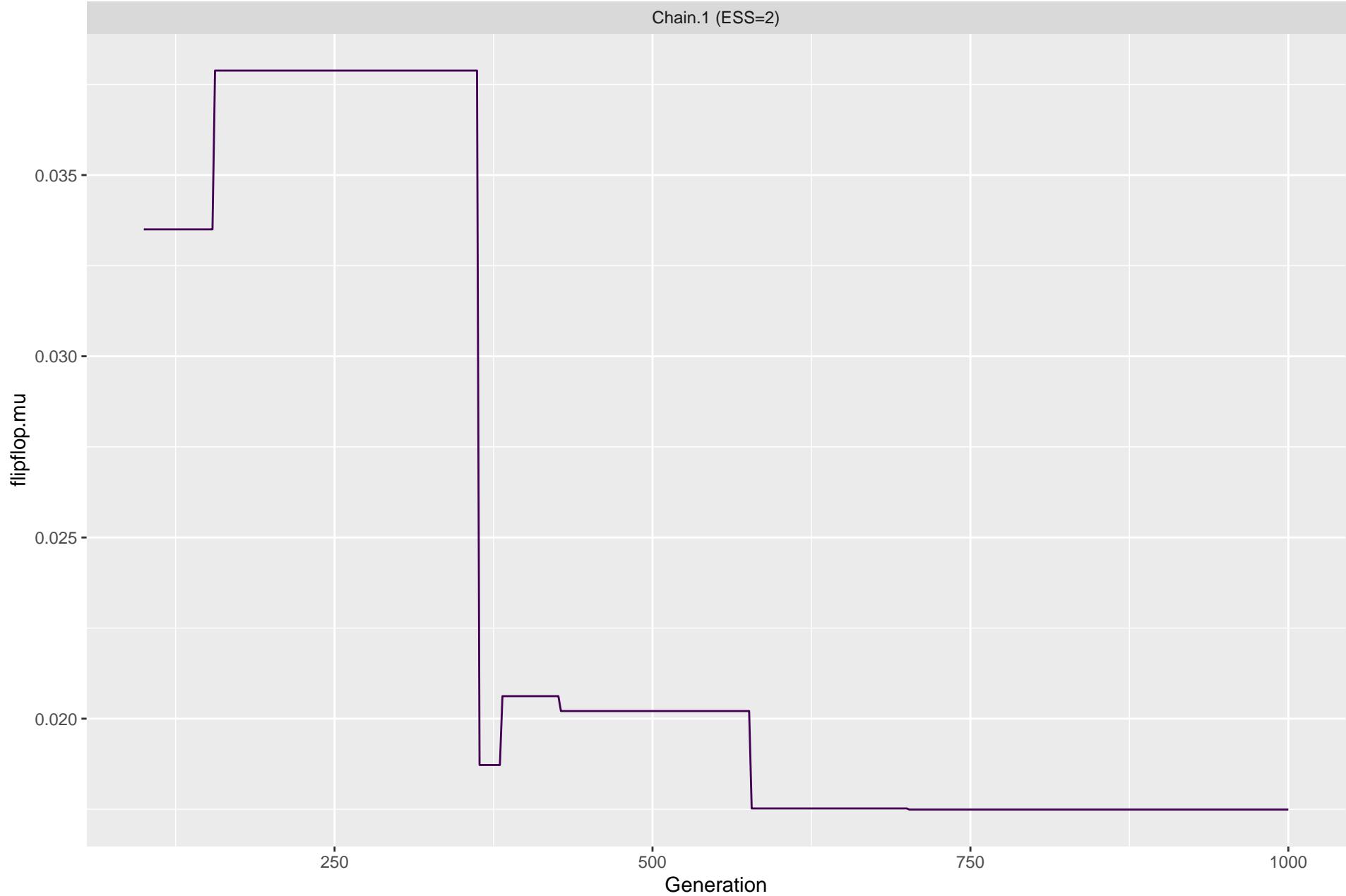
50.025

50.050

errorModel.kappaScale

flipflop.mu trace

Chain.1 (ESS=2)



flipflop.mu trace

Chain.1 (ESS=2)

count

200

150

100

50

0

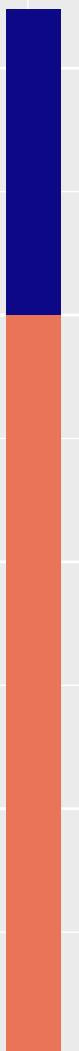
0.020

0.025

0.030

0.035

flipflop.mu



flipflop.gamma trace

Chain.1 (ESS=2)

flipflop.gamma

0.030

0.025

0.020

0.015

250

500

750

1000

Generation



flipflop.gamma trace

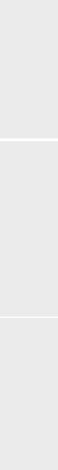
Chain.1 (ESS=2)

count

300
200
100
0

0.015 0.020 0.025 0.030

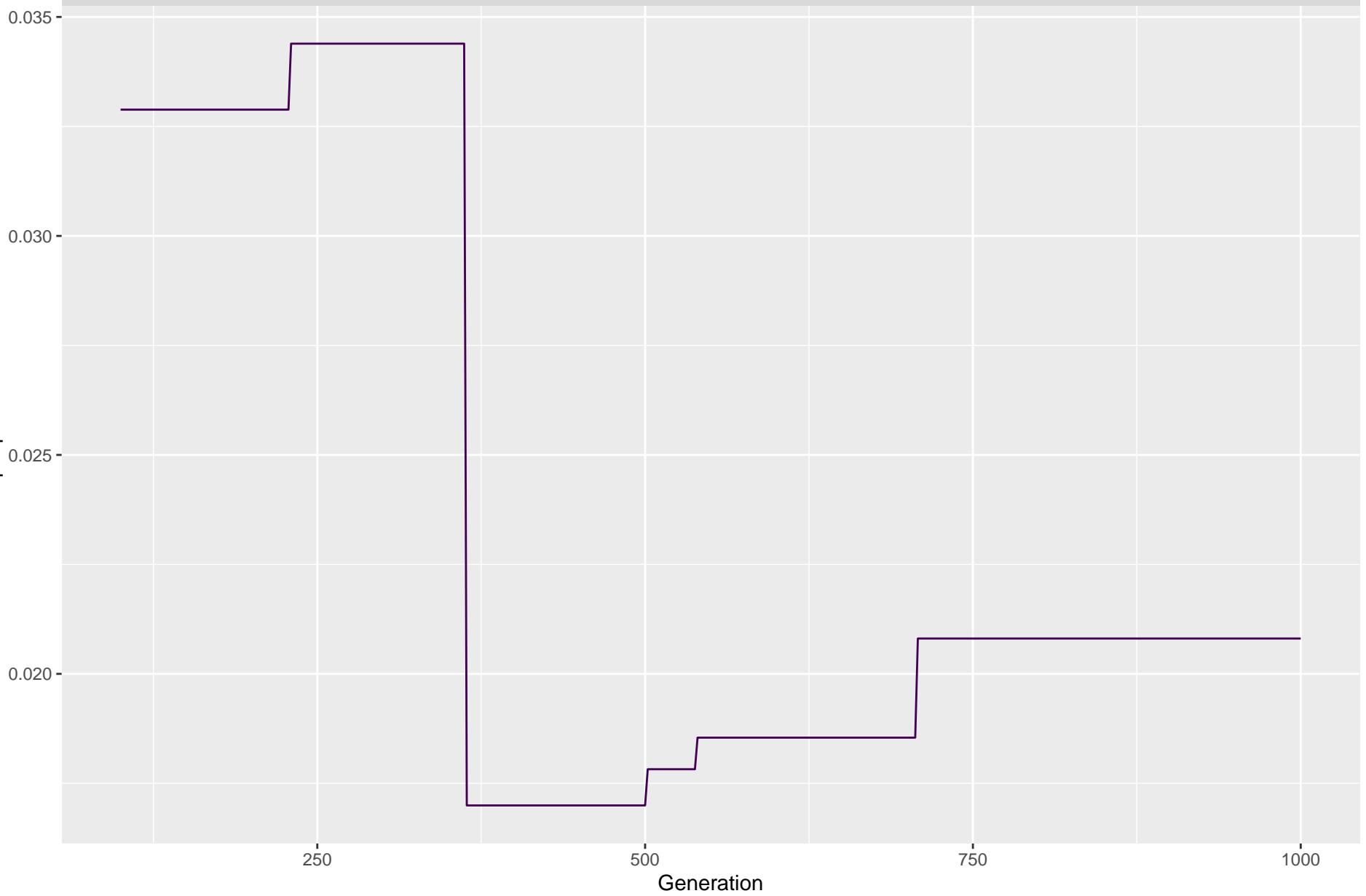
flipflop.gamma



flipflop.lambda trace

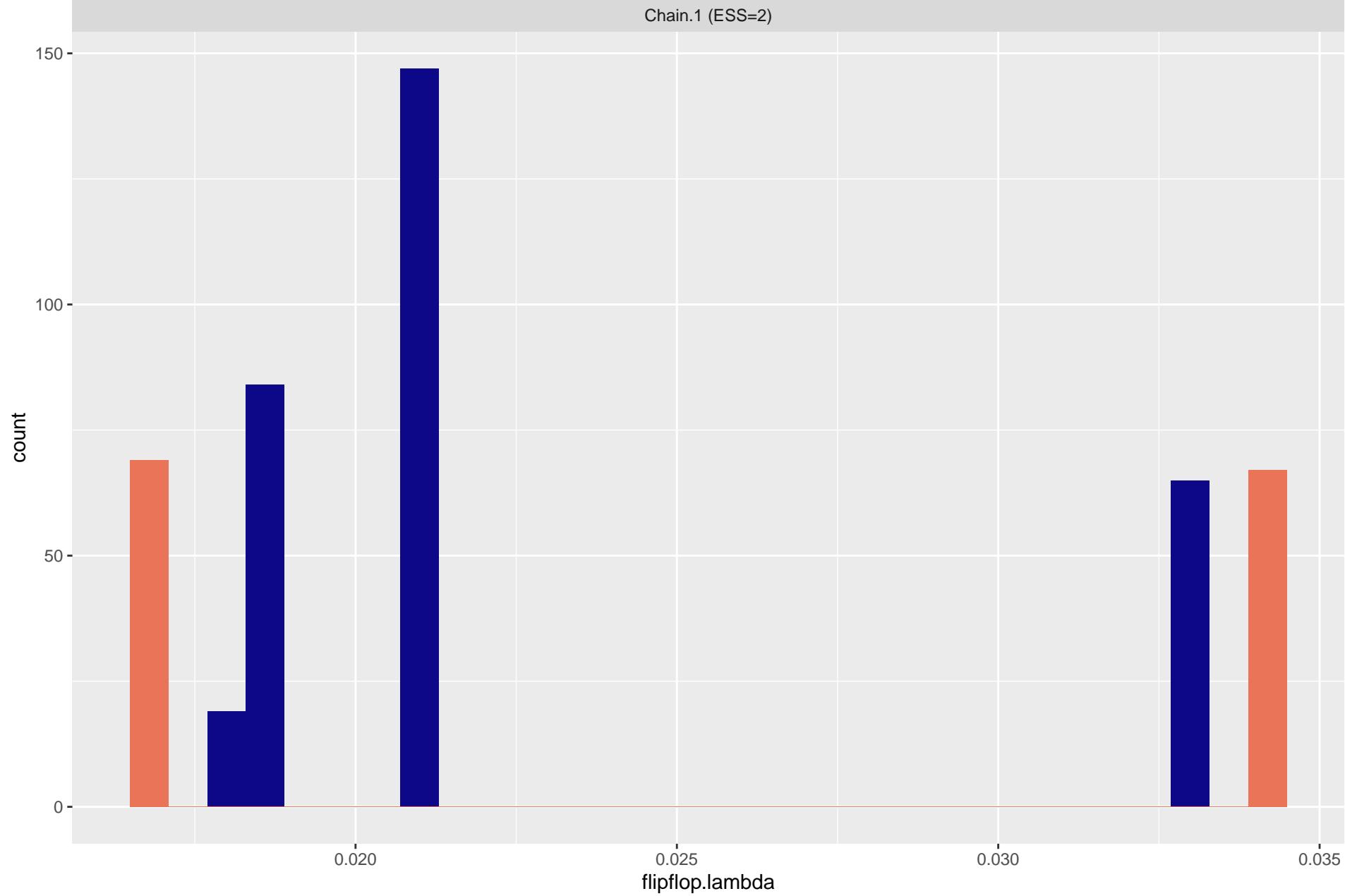
Chain.1 (ESS=2)

flipflop.lambda



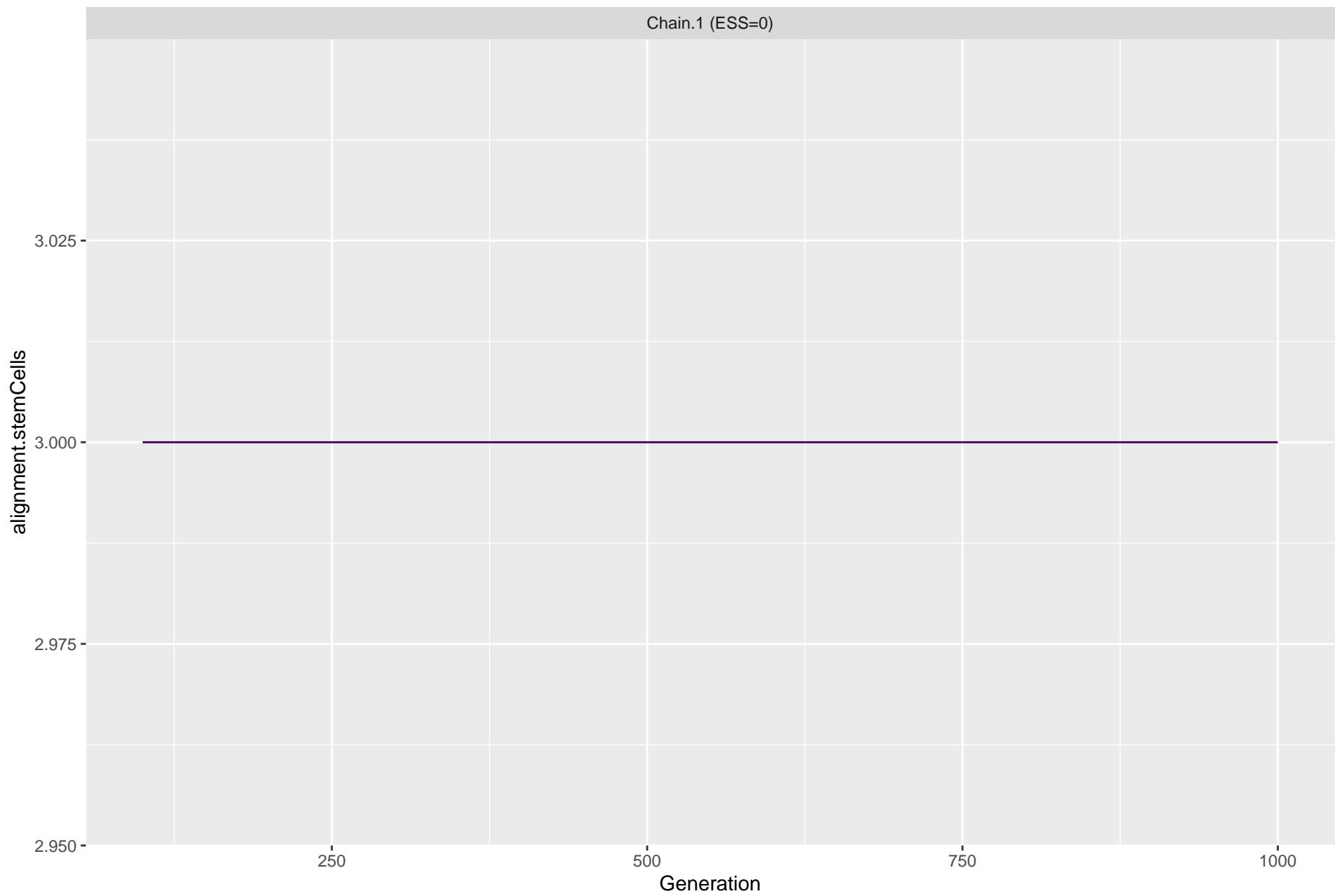
flipflop.lambda trace

Chain.1 (ESS=2)



alignment.stemCells trace

Chain.1 (ESS=0)



alignment.stemCells trace

Chain.1 (ESS=0)

count

400
300
200
100
0

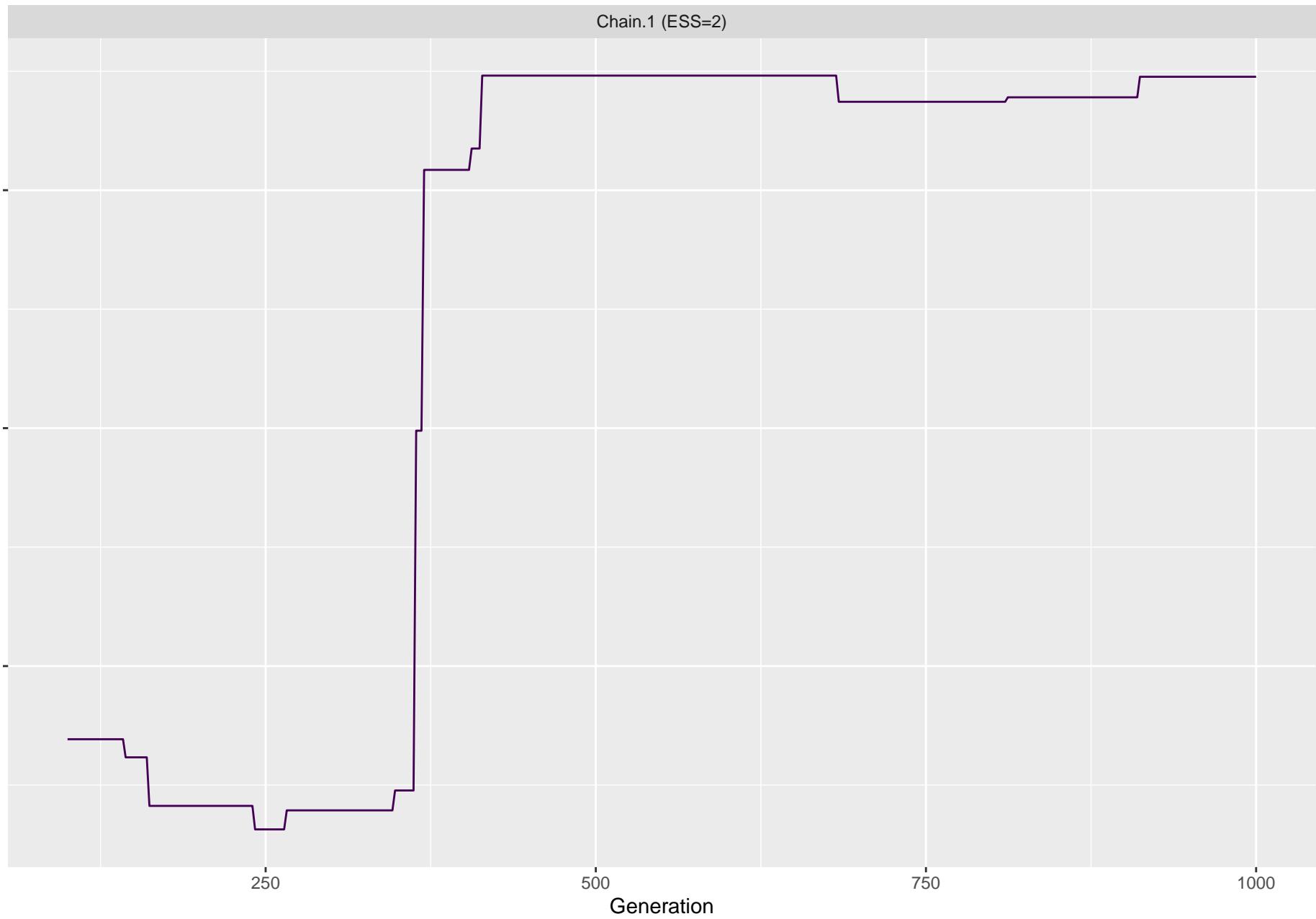
2.950 2.975 3.000 3.025 3.050

alignment.stemCells

treeModel.rootHeight trace

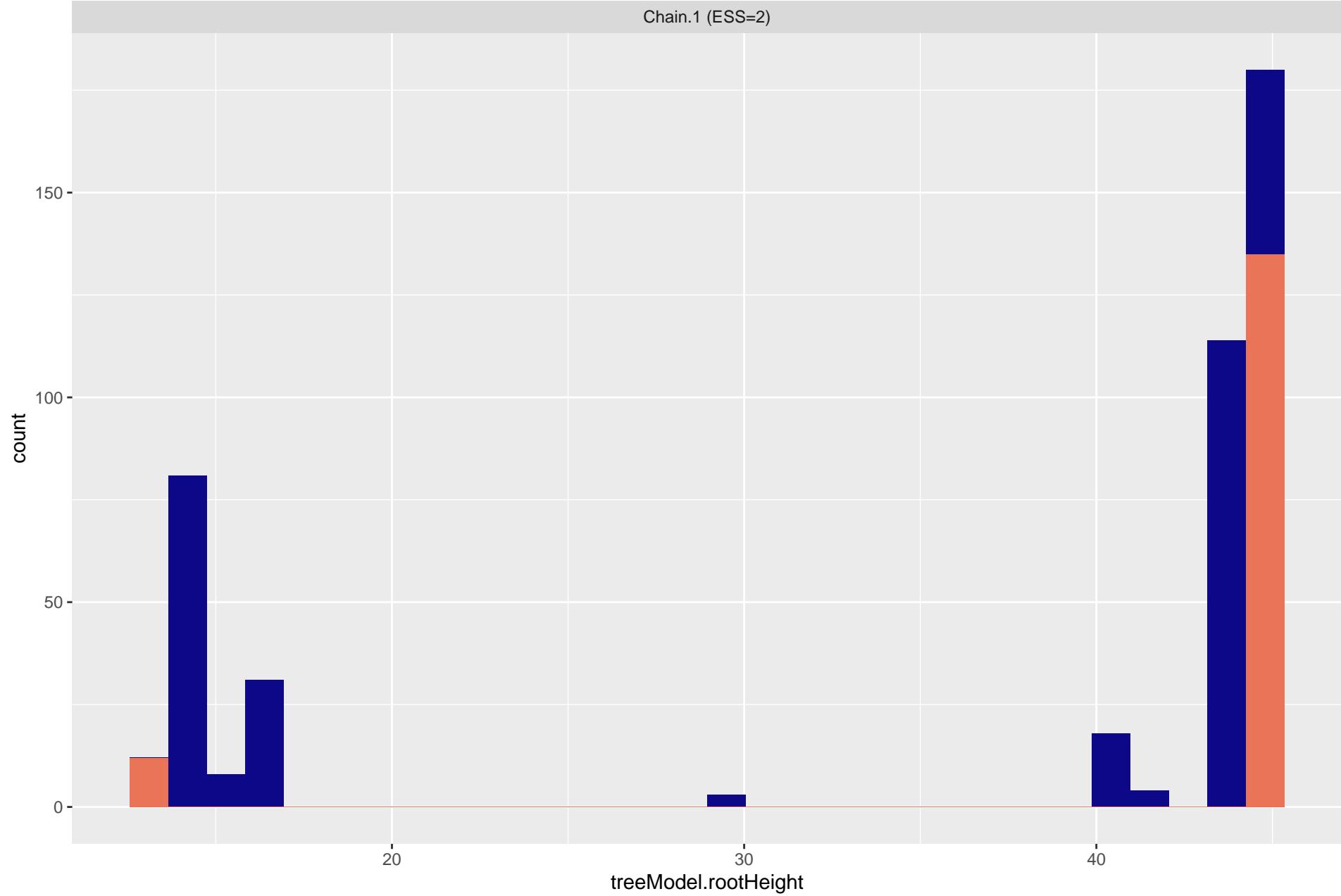
Chain.1 (ESS=2)

treeModel.rootHeight



treeModel.rootHeight trace

Chain.1 (ESS=2)



luca_height trace

Chain.1 (ESS=0)

luca_height

45.025

45.000

44.975

44.950

250

500

750

1000

Generation



luca_height trace

Chain.1 (ESS=0)

count

400
300
200
100
0

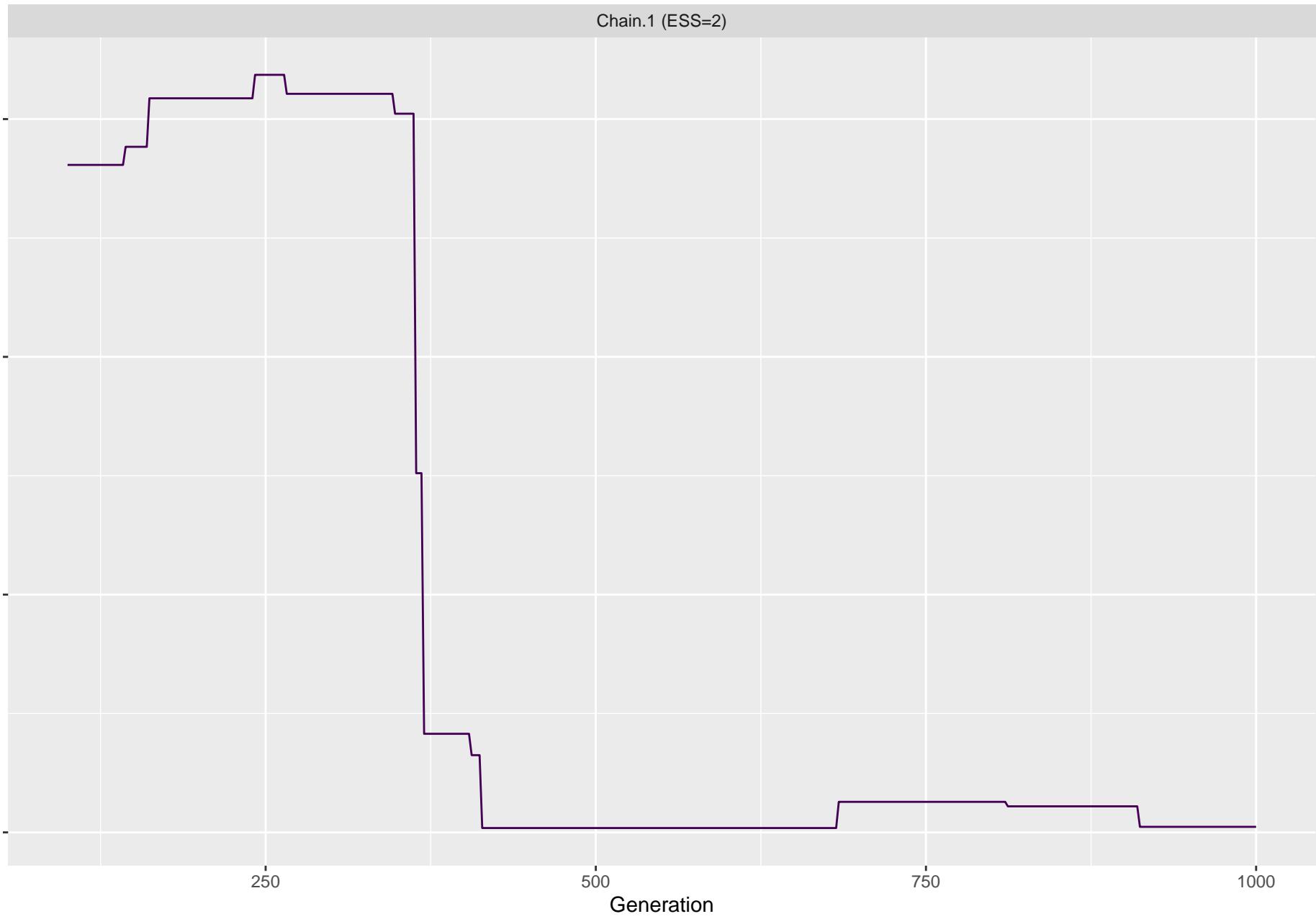
44.950 44.975 45.000 45.025 45.050

luca_height

luca_branch trace

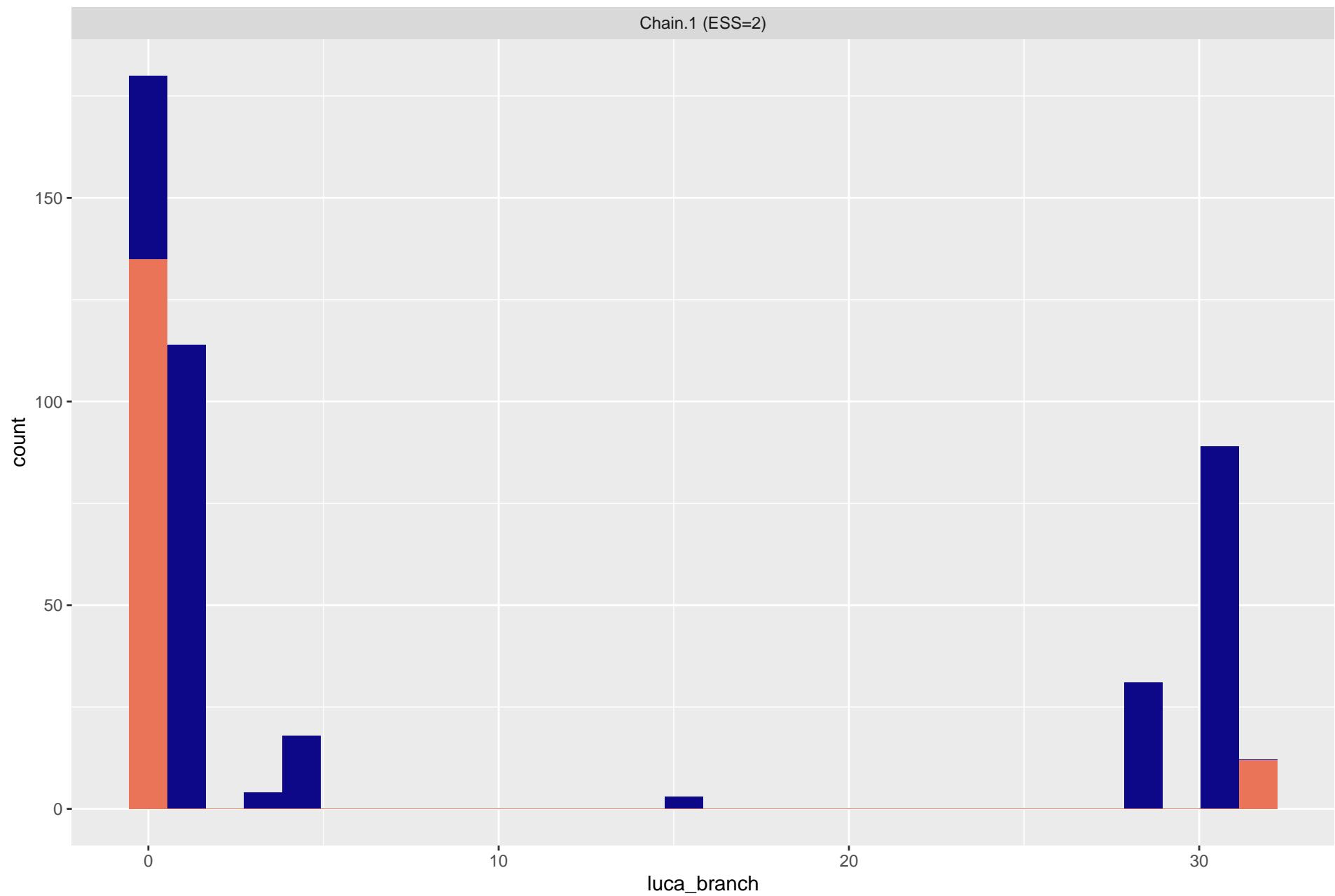
Chain.1 (ESS=2)

luca_branch

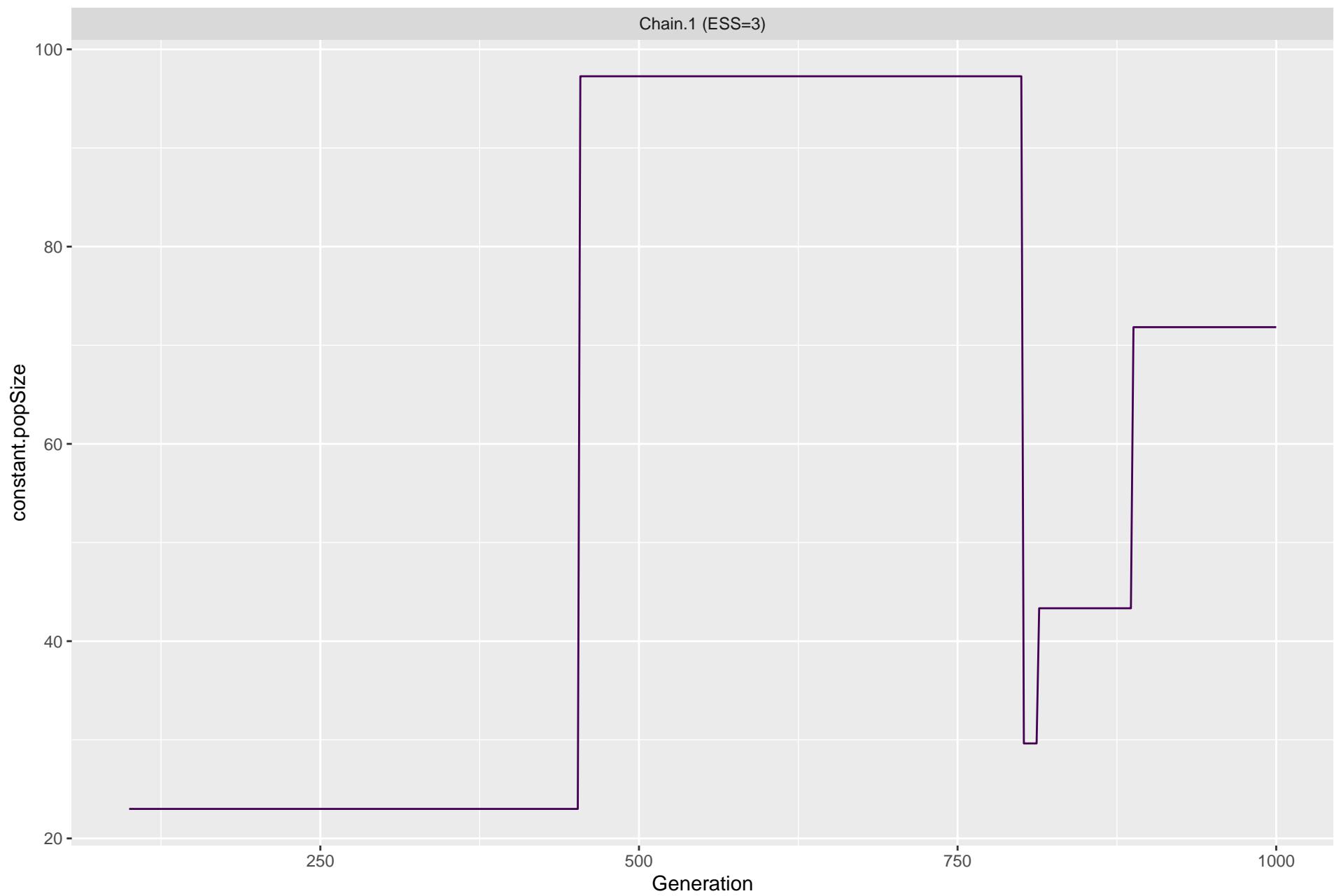


luca_branch trace

Chain.1 (ESS=2)



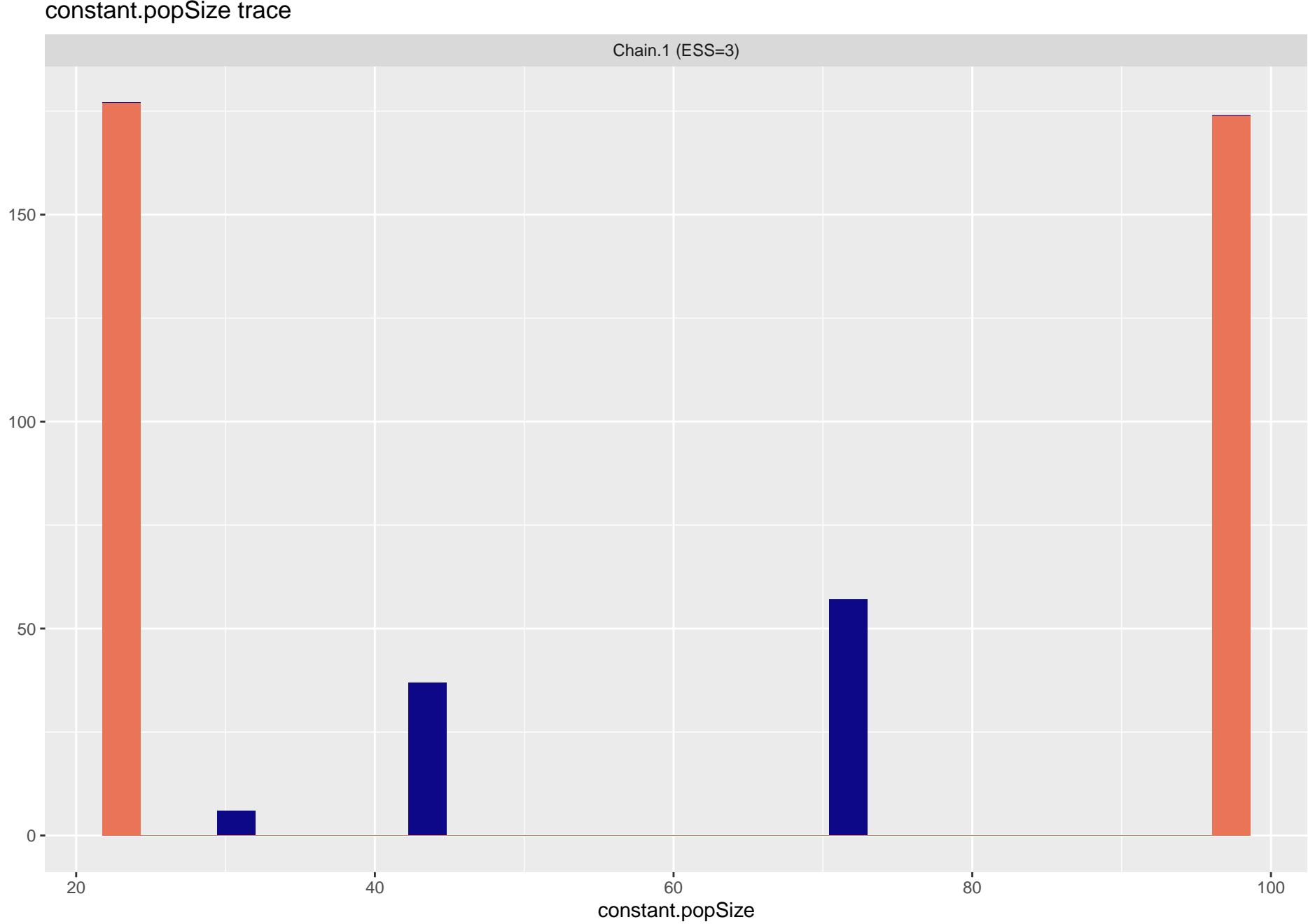
constant.popSize trace



constant.popSize trace

Chain.1 (ESS=3)

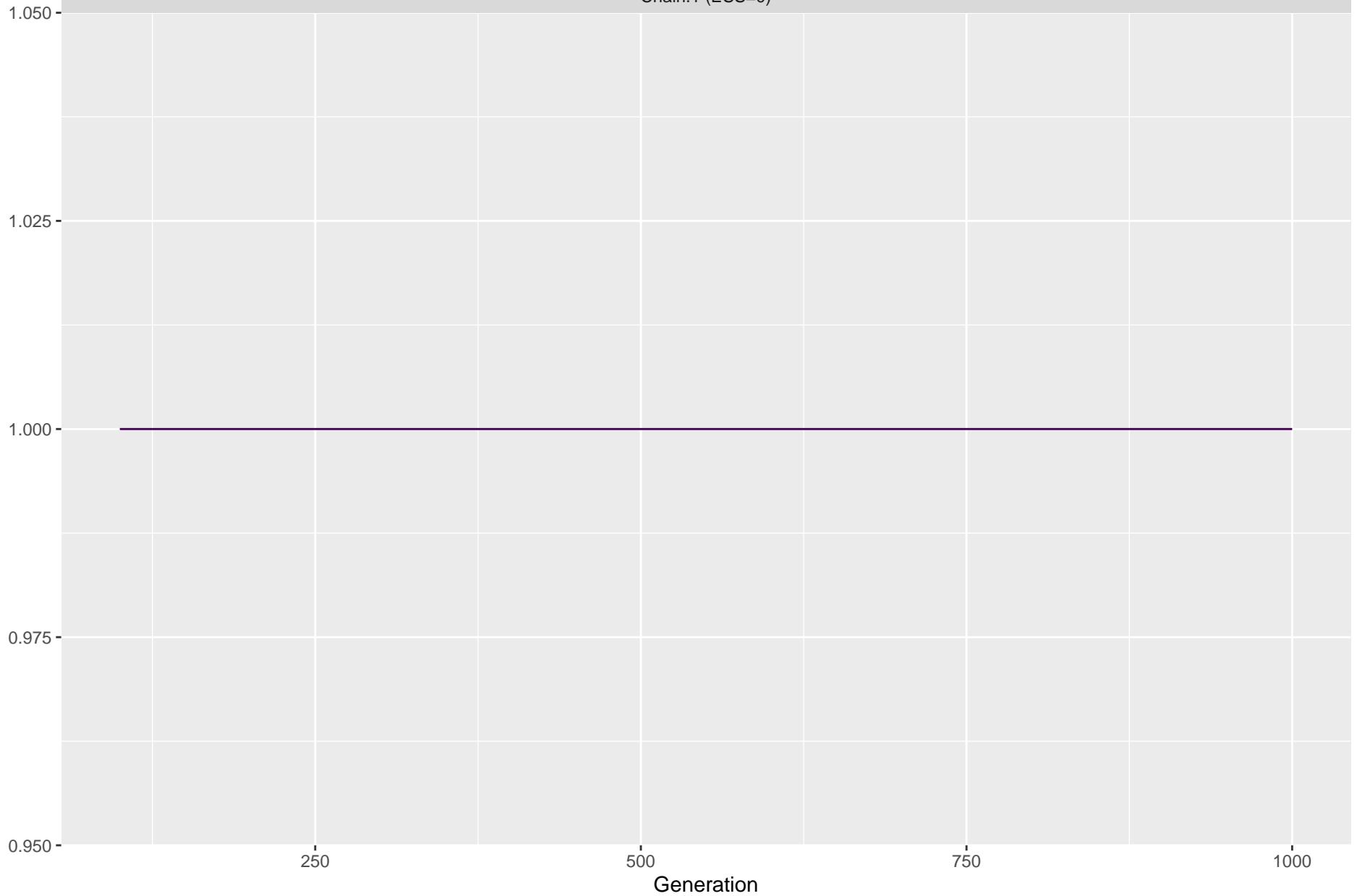
count



clock.rate trace

Chain.1 (ESS=0)

clock.rate



clock.rate trace

Chain.1 (ESS=0)

count

400
300
200
100
0

0.950 0.975 1.000 1.025 1.050

clock.rate

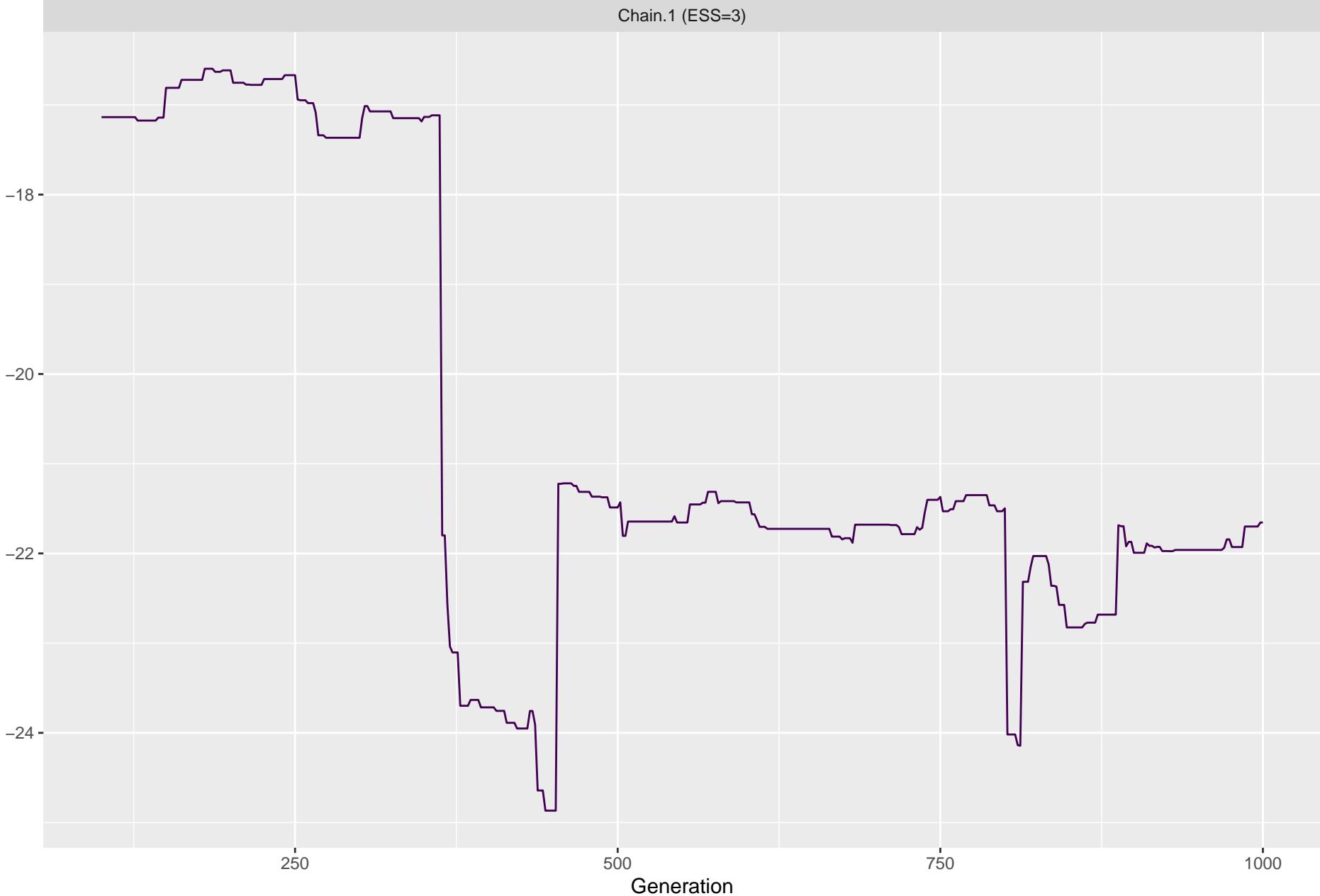
coalescent trace

Chain.1 (ESS=3)

coalescent

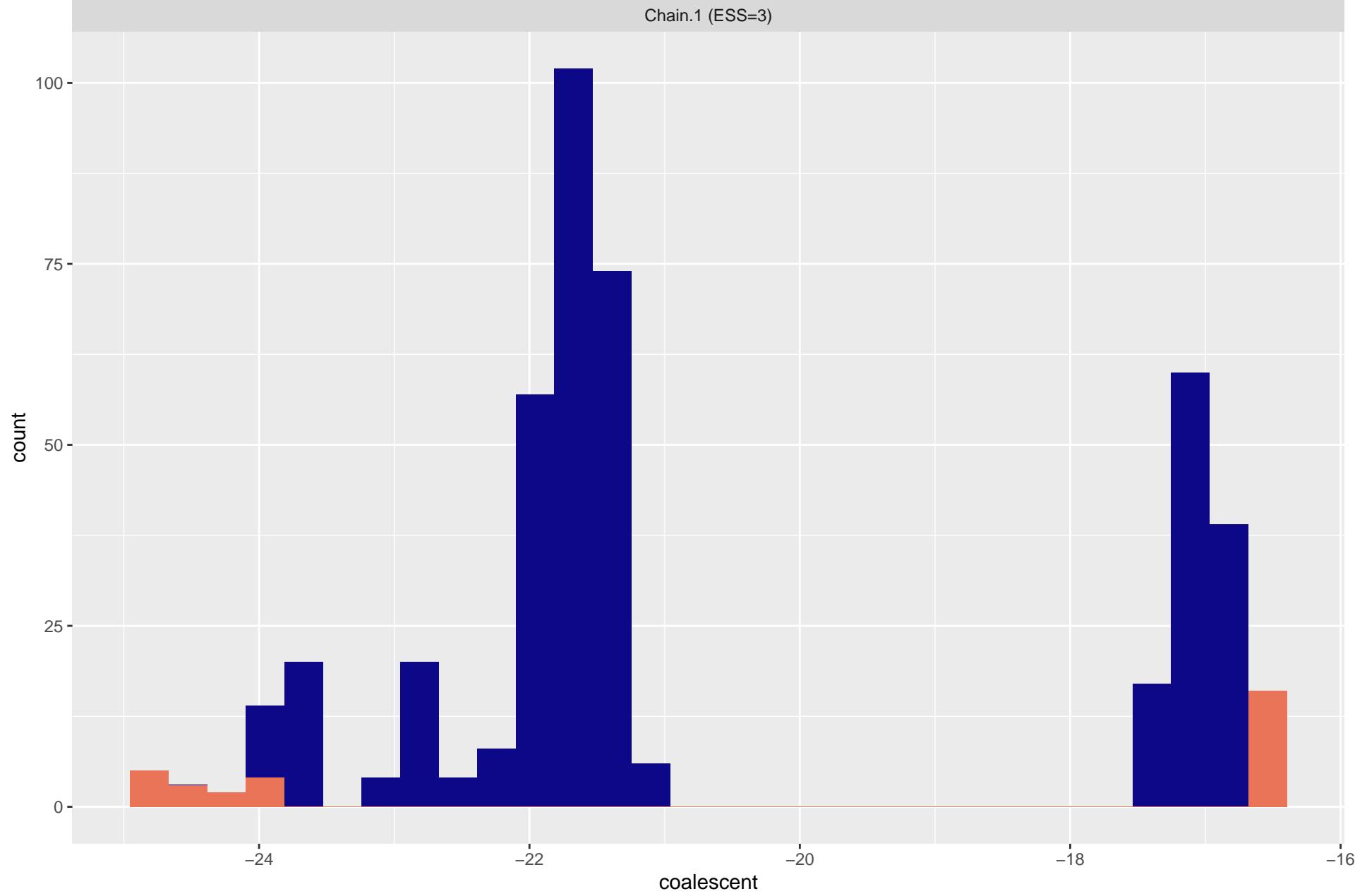
250 500 750 1000

Generation

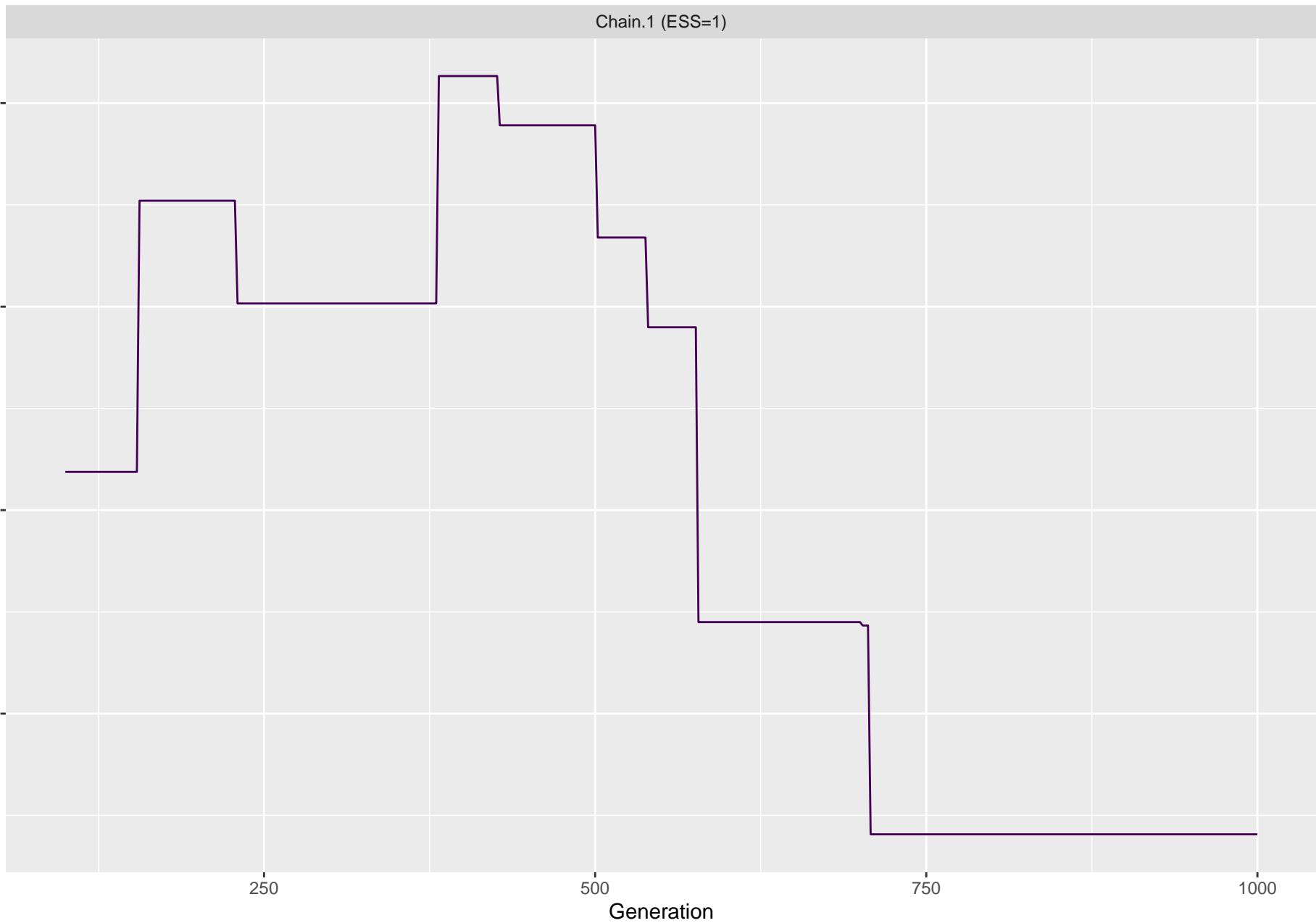


coalescent trace

Chain.1 (ESS=3)



flipflop.Rmu trace



flipflop.Rmu trace

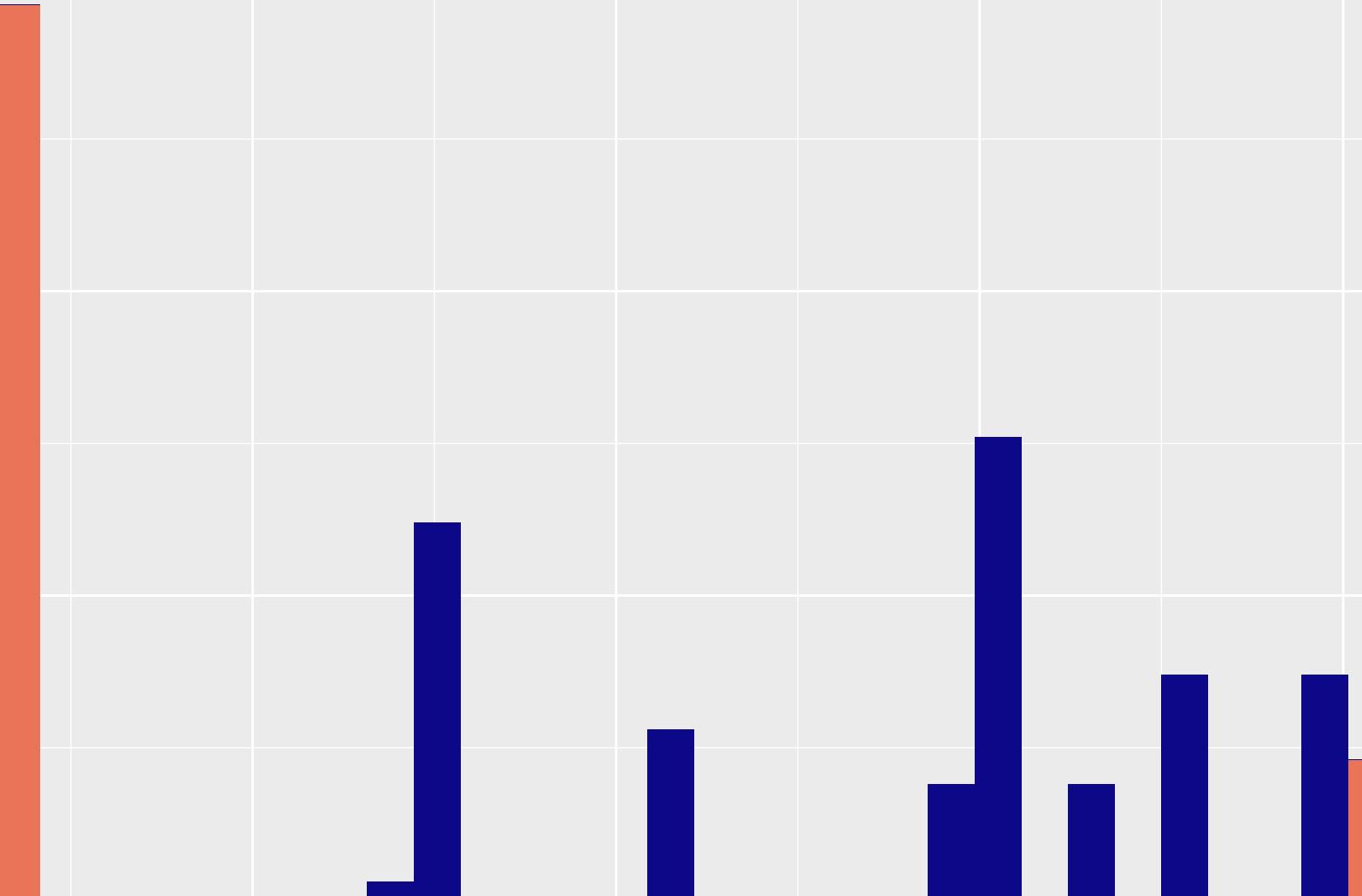
Chain.1 (ESS=1)

count

150
100
50
0

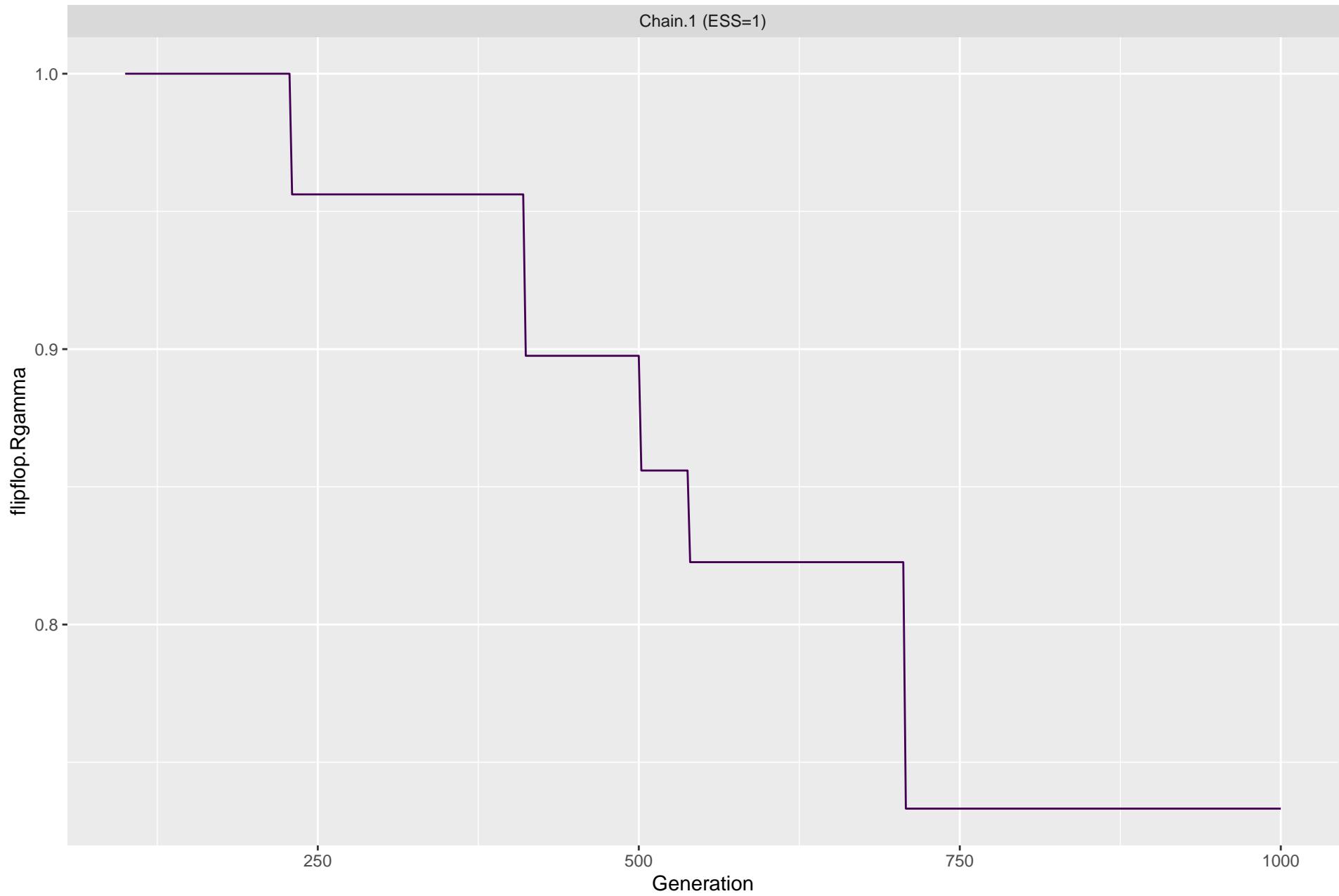
0.9 1.0 1.1 1.2

flipflop.Rmu



flipflop.Rgamma trace

Chain.1 (ESS=1)



flipflop.Rgamma trace

Chain.1 (ESS=1)

count

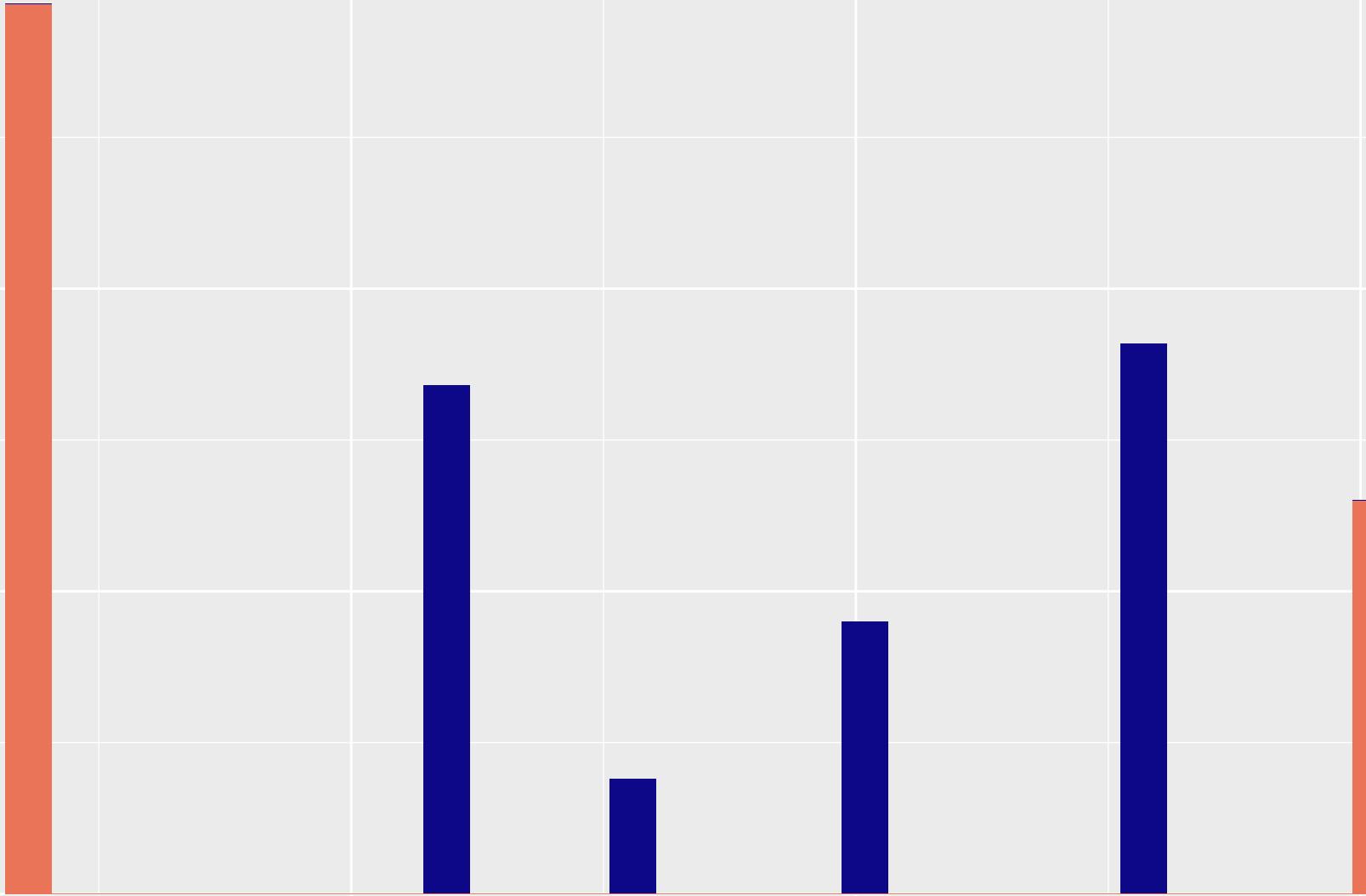
150
100
50
0

0.8

flipflop.Rgamma

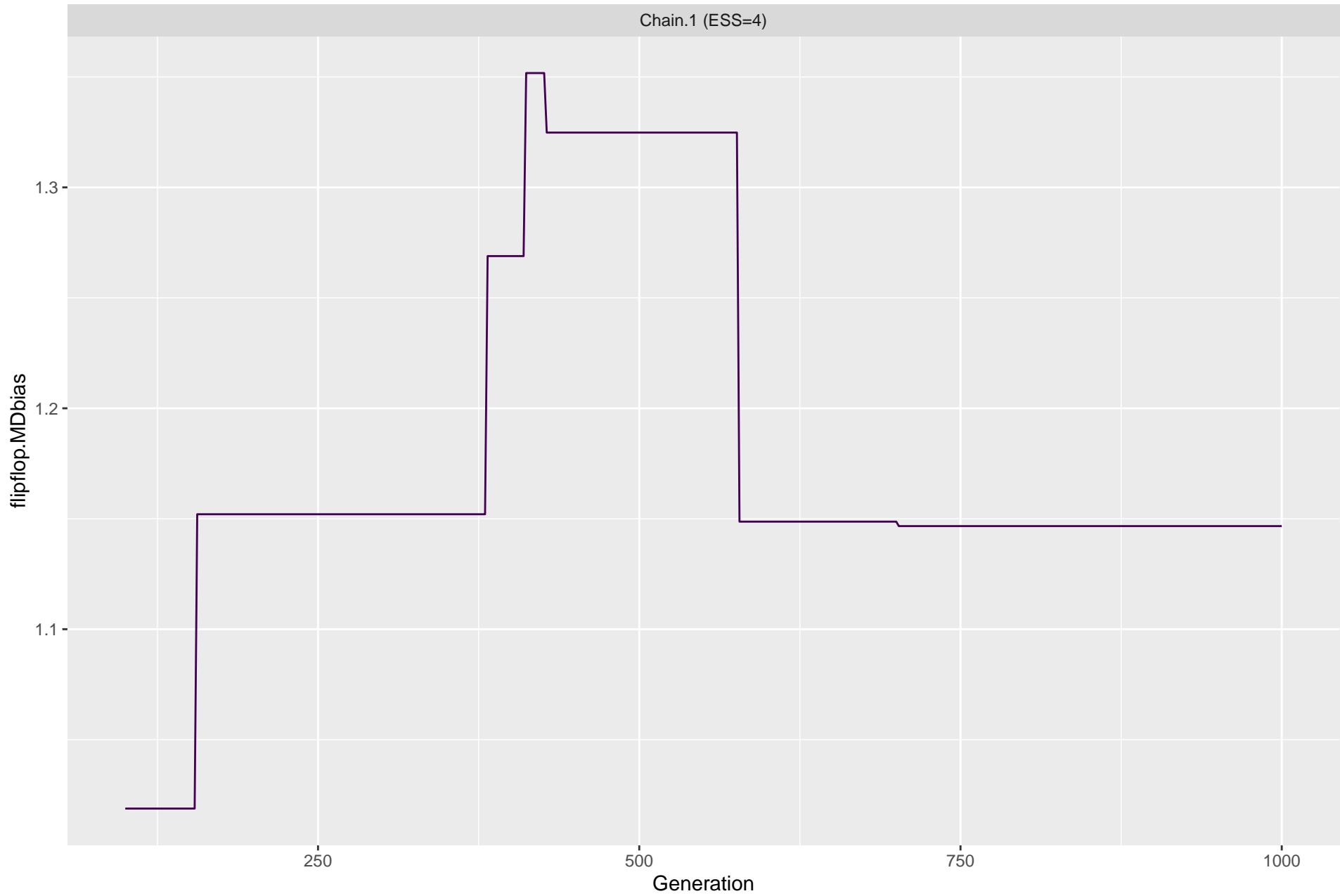
0.9

1.0



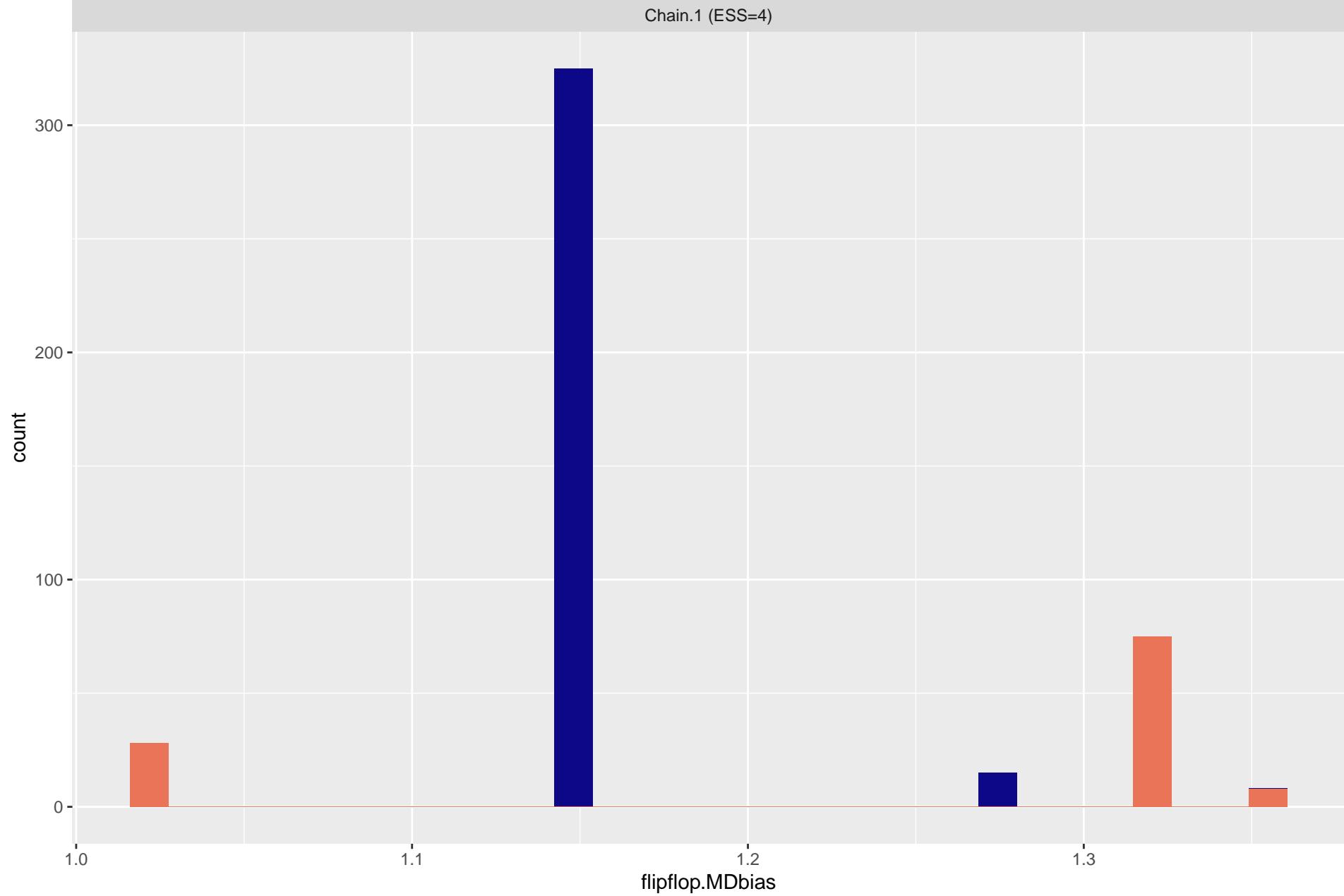
flipflop.MDbias trace

Chain.1 (ESS=4)



flipflop.MDbias trace

Chain.1 (ESS=4)



Tree topology trace

Chain.1 (Approximate ESS = 48)

Topological Distance of Tree from Focal Tree

2.5
2.0
1.5
1.0
0.5
0.0

250 500 750 1000

Generation

Tree topology trace

Chain.1 (Approximate ESS = 48)

count

400

300

200

100

0

0.0

0.5

1.0

1.5

2.0

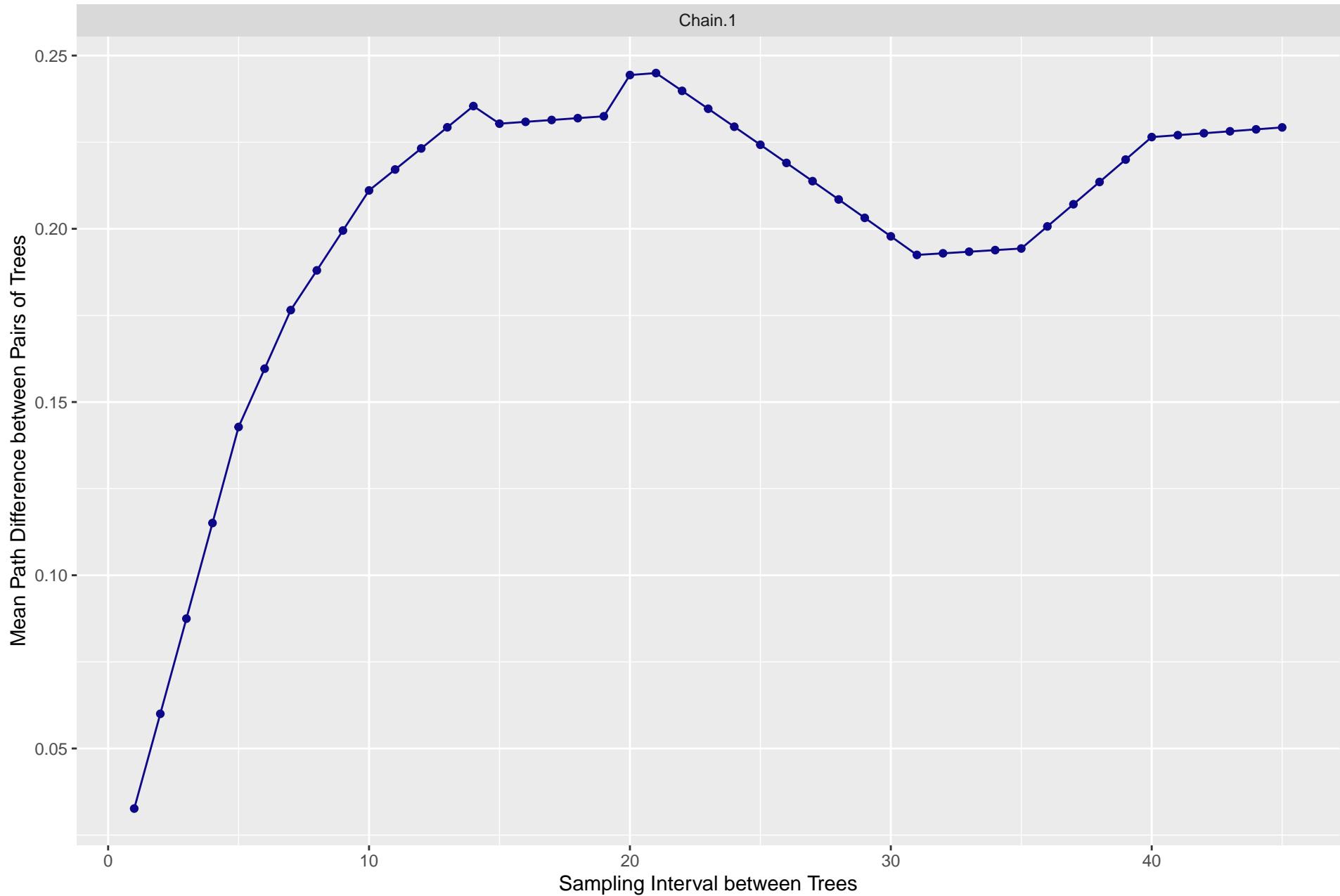
2.5

Topological Distance of Tree from Focal Tree

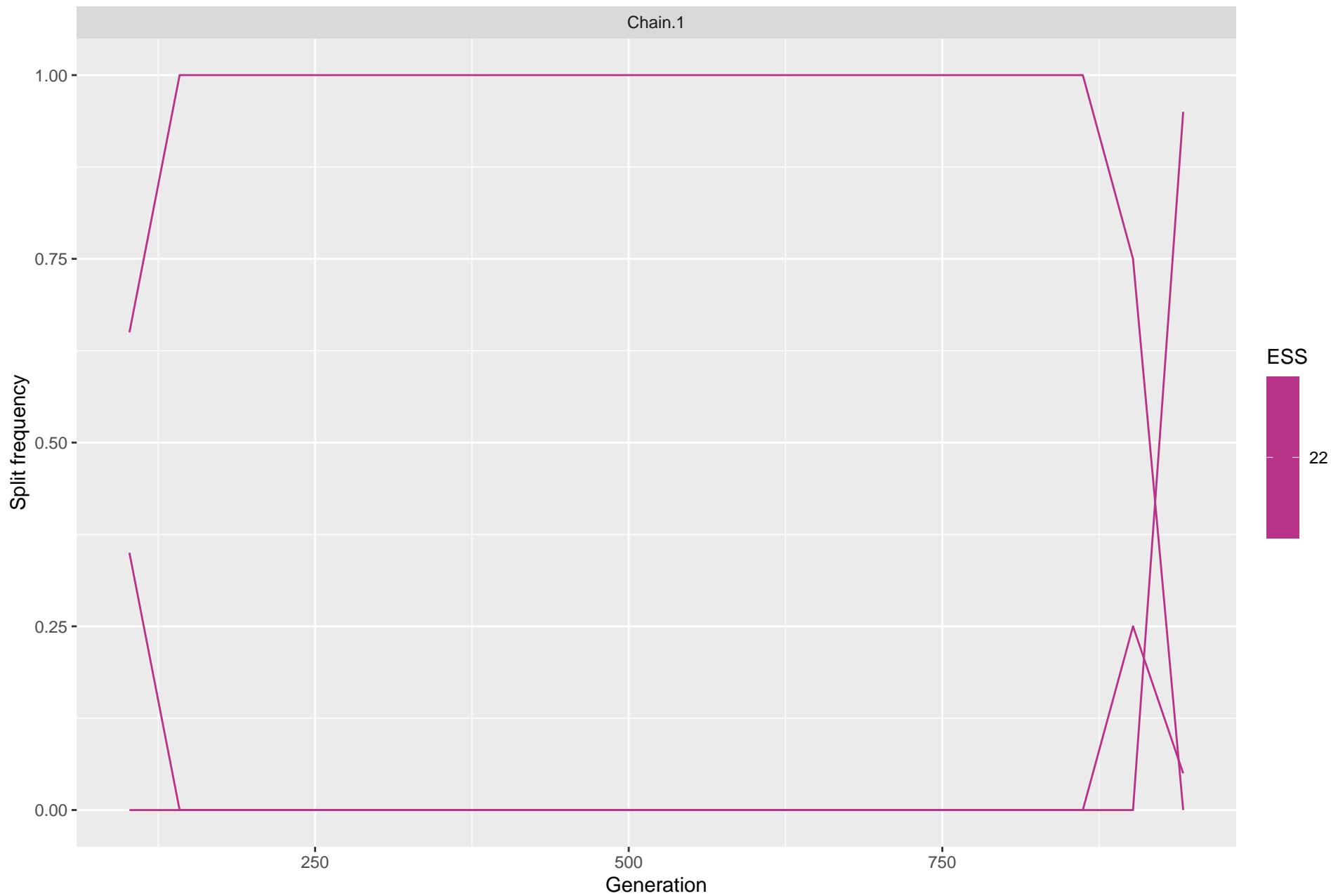


Topological autocorrelation plot

Chain.1

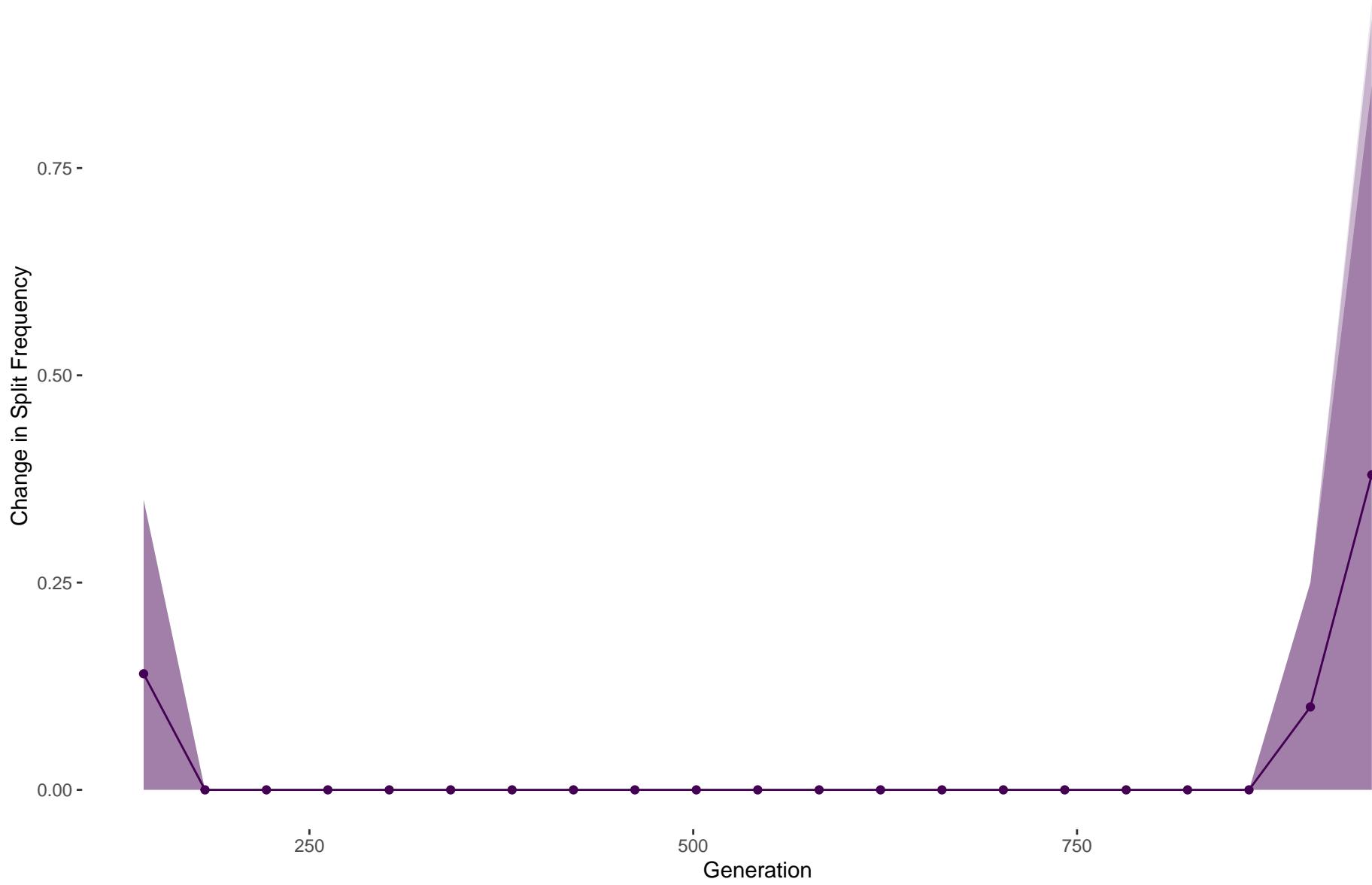


Sliding Window Split Frequencies for 20 clades

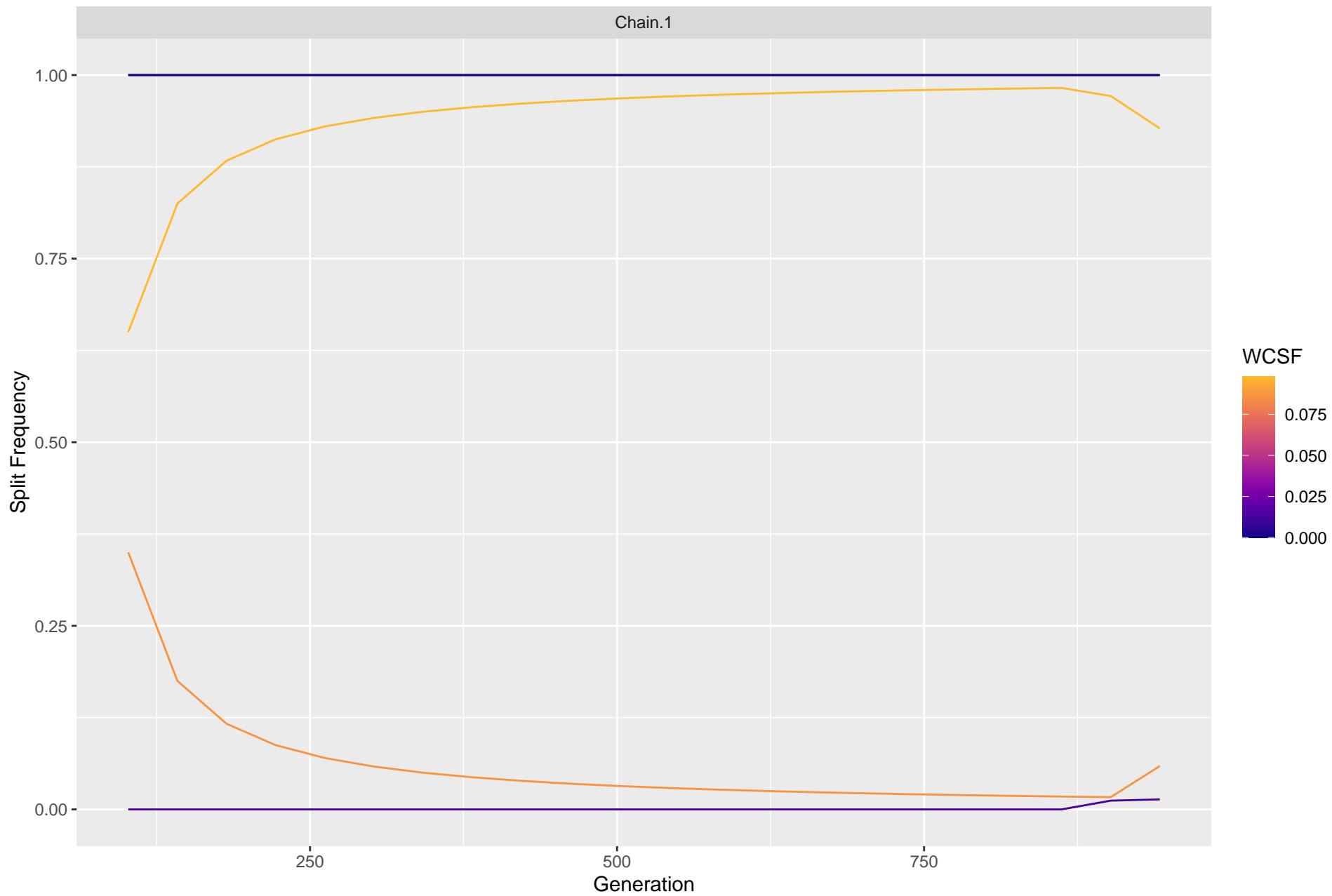


Sliding window Change in Split Frequencies

Chain.1



Cumulative Split Frequencies for 20 clades



Cumulative Change in Split Frequencies

Chain.1

Change in Split Frequency

0.06

0.04

0.02

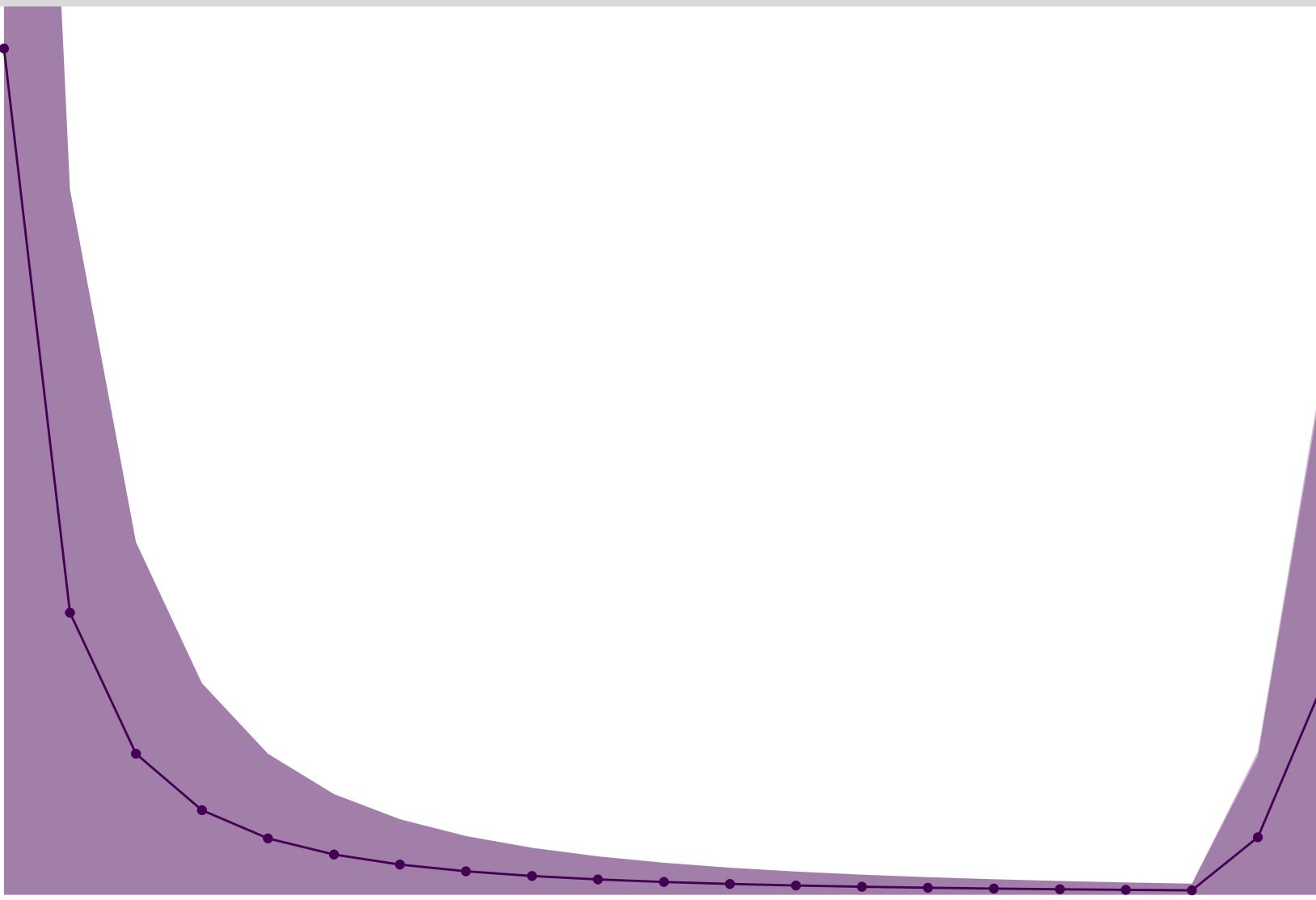
0.00

Generation

250

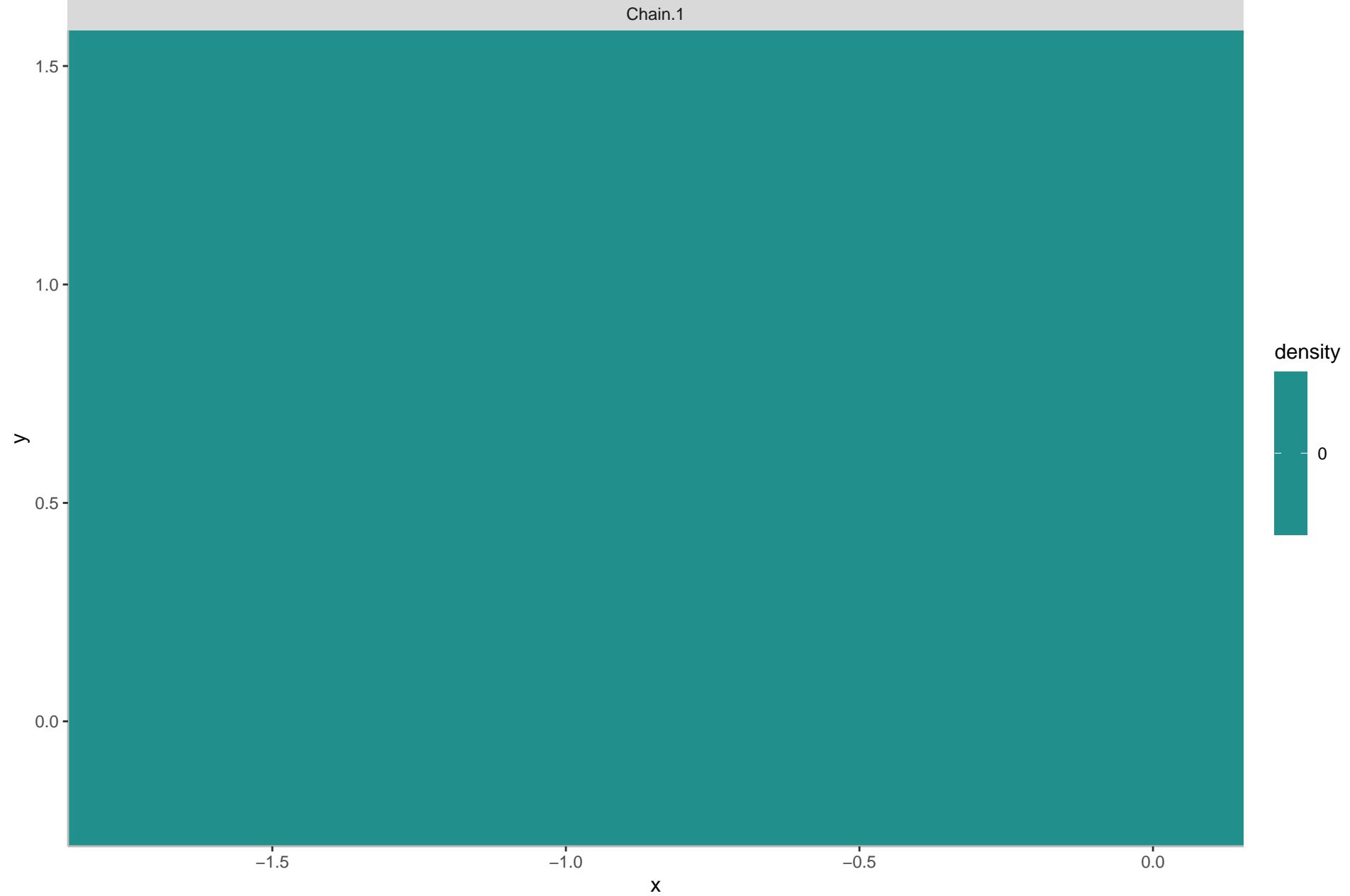
500

750



Tree space heatmap for 100 trees

Chain.1



Tree space for 100 trees

Chain.1

