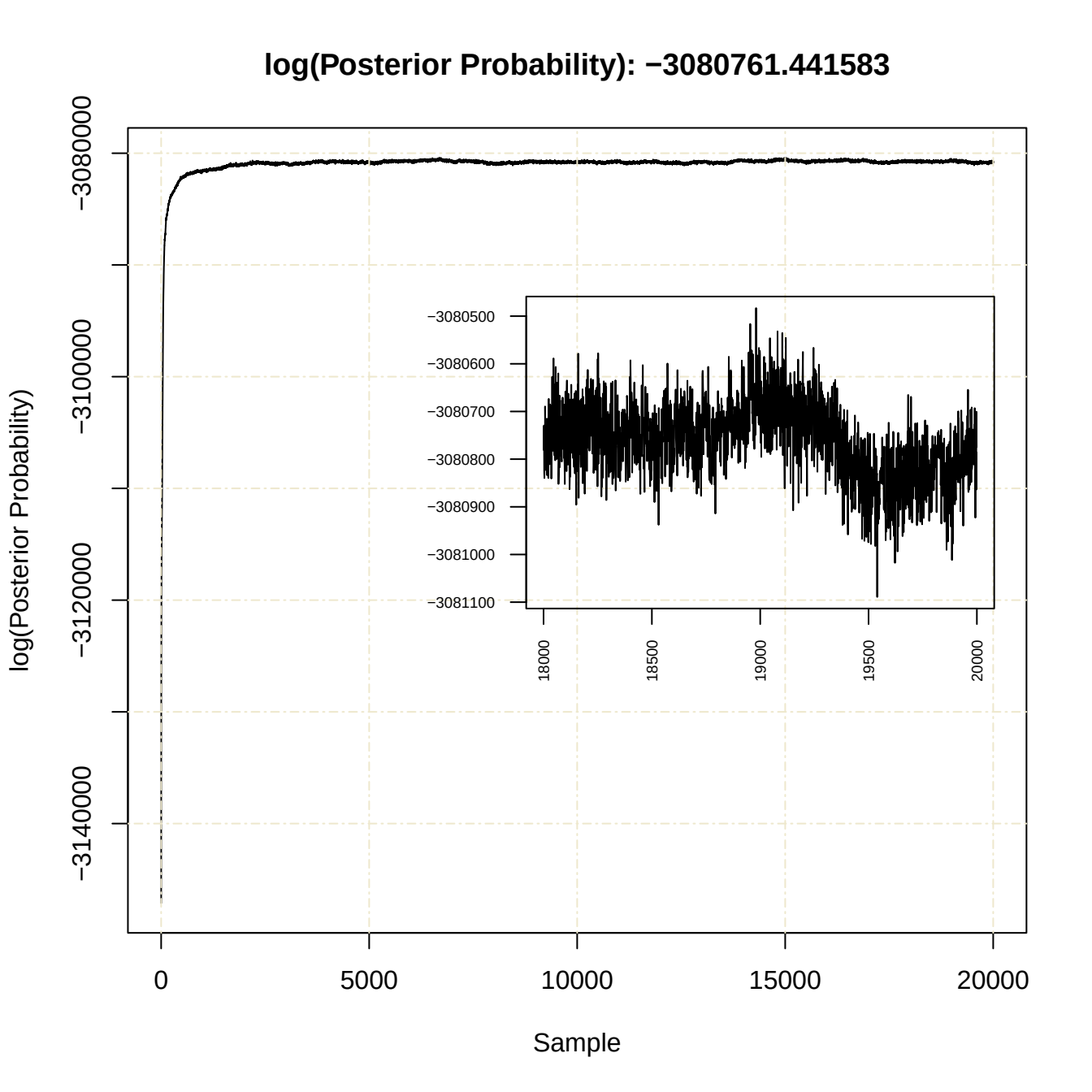
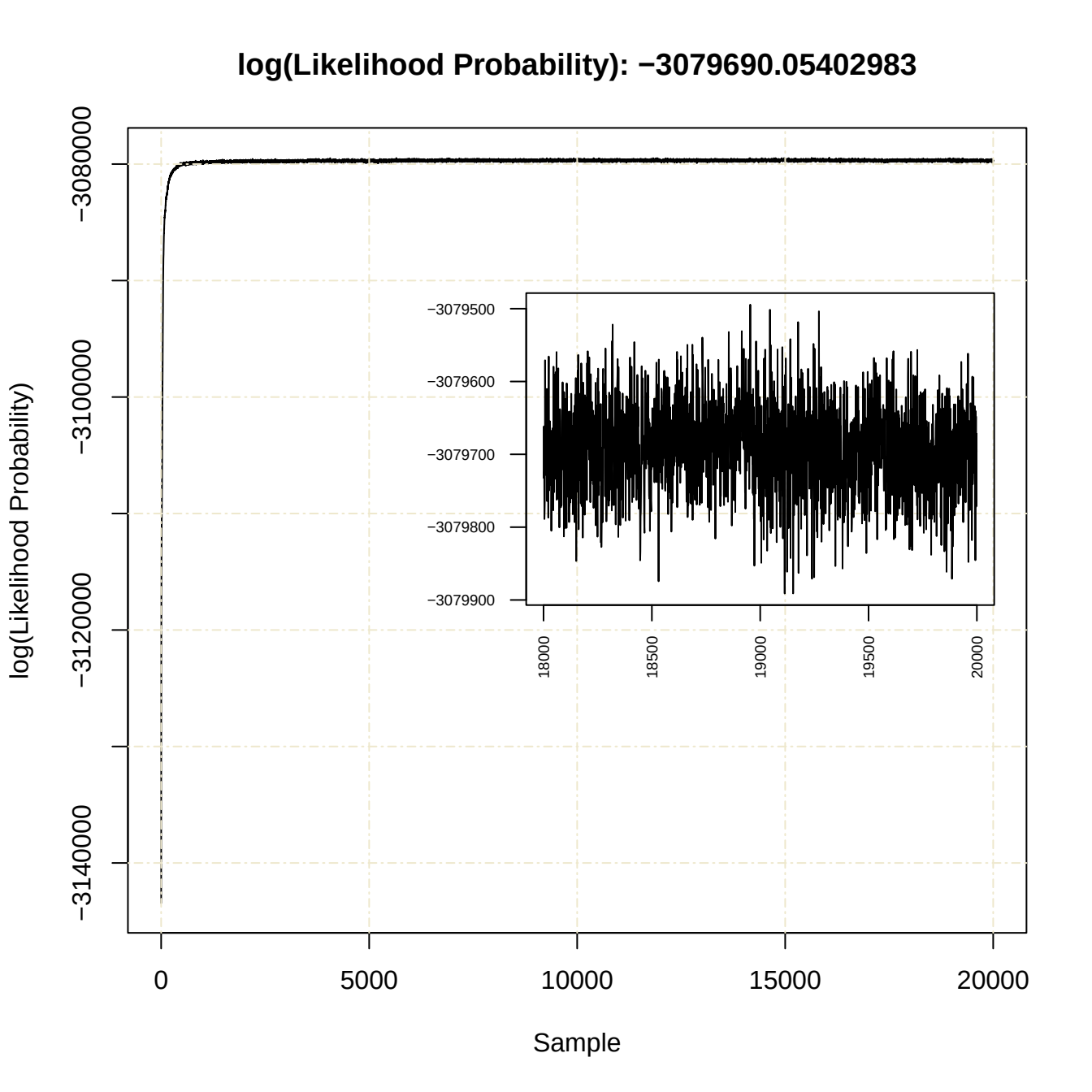
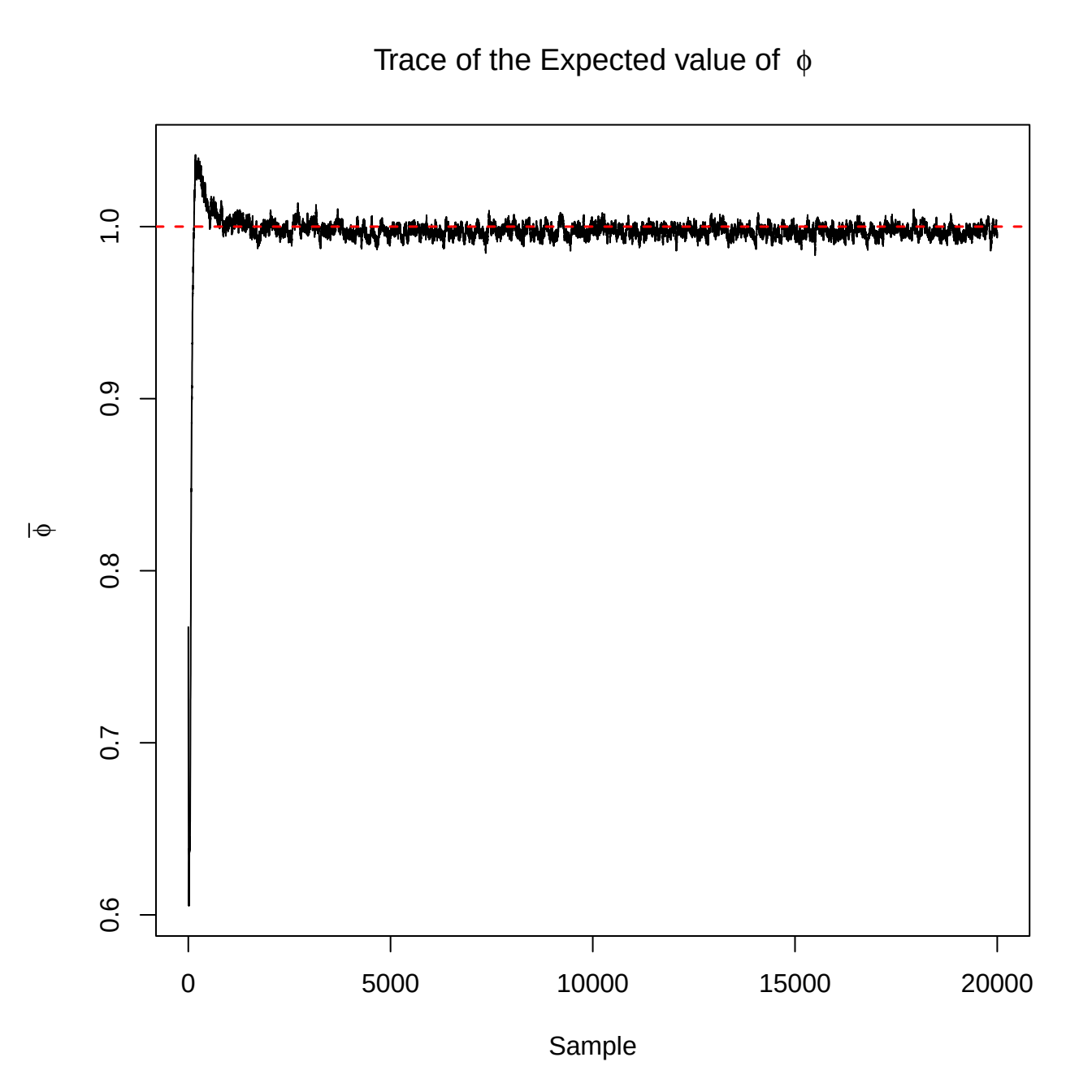
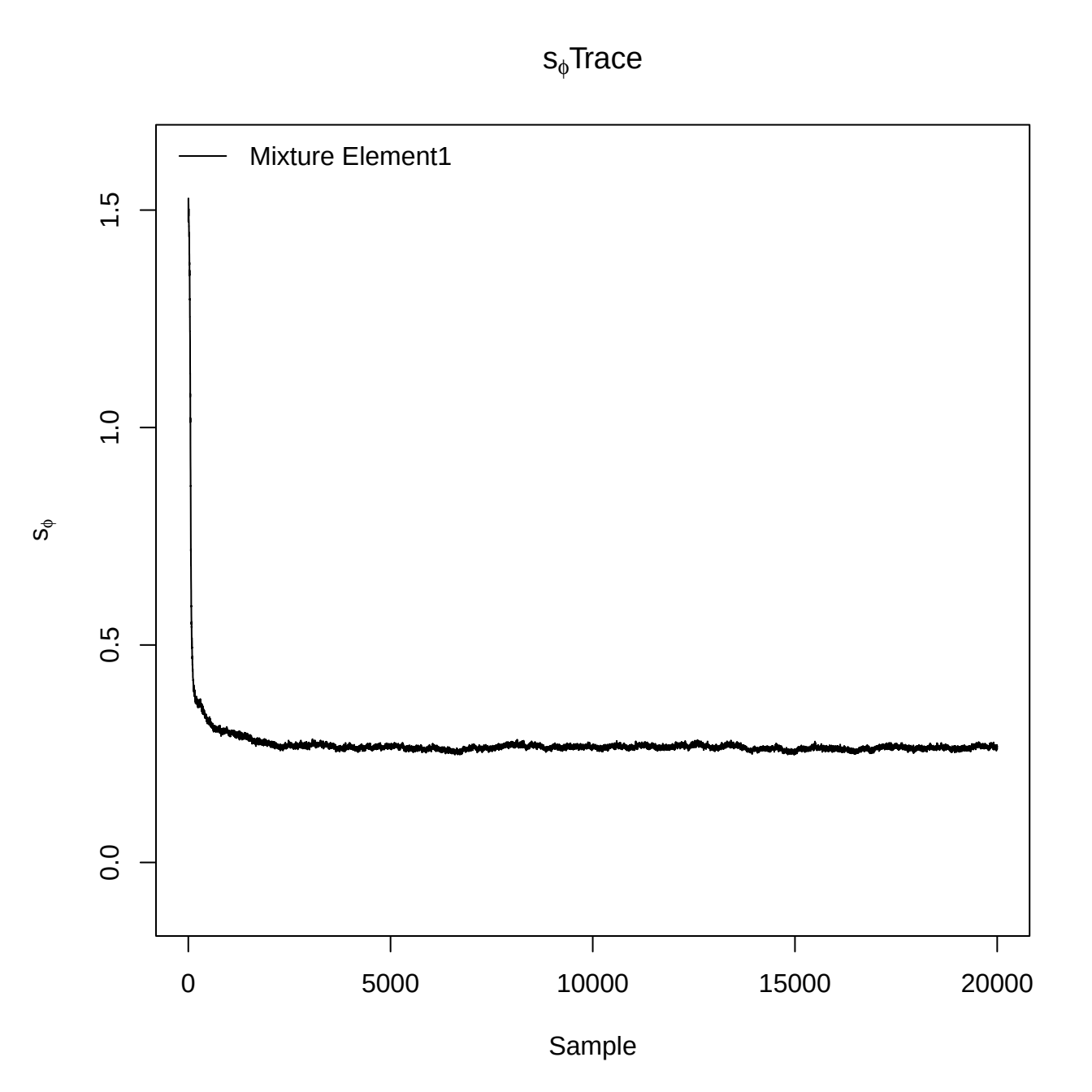
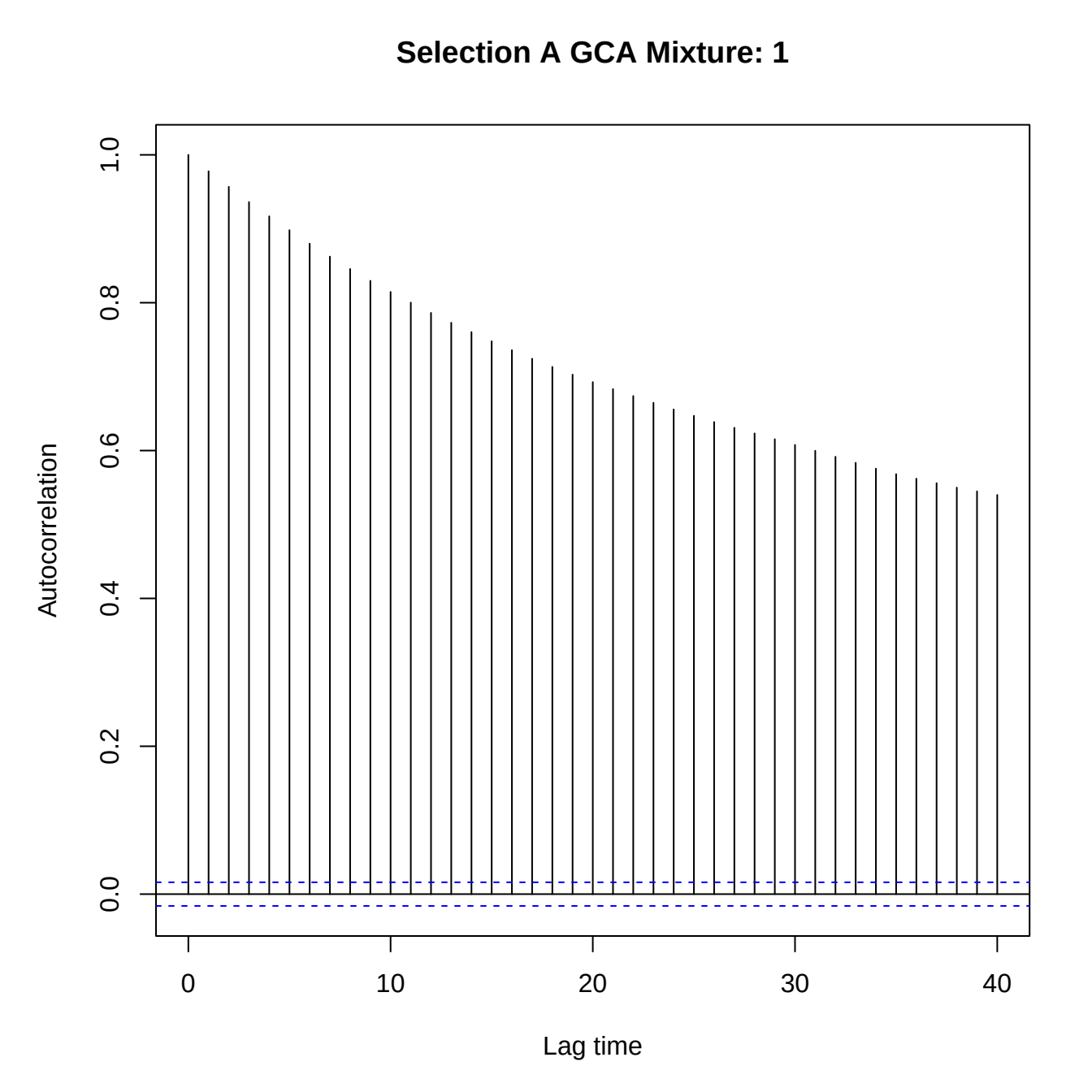
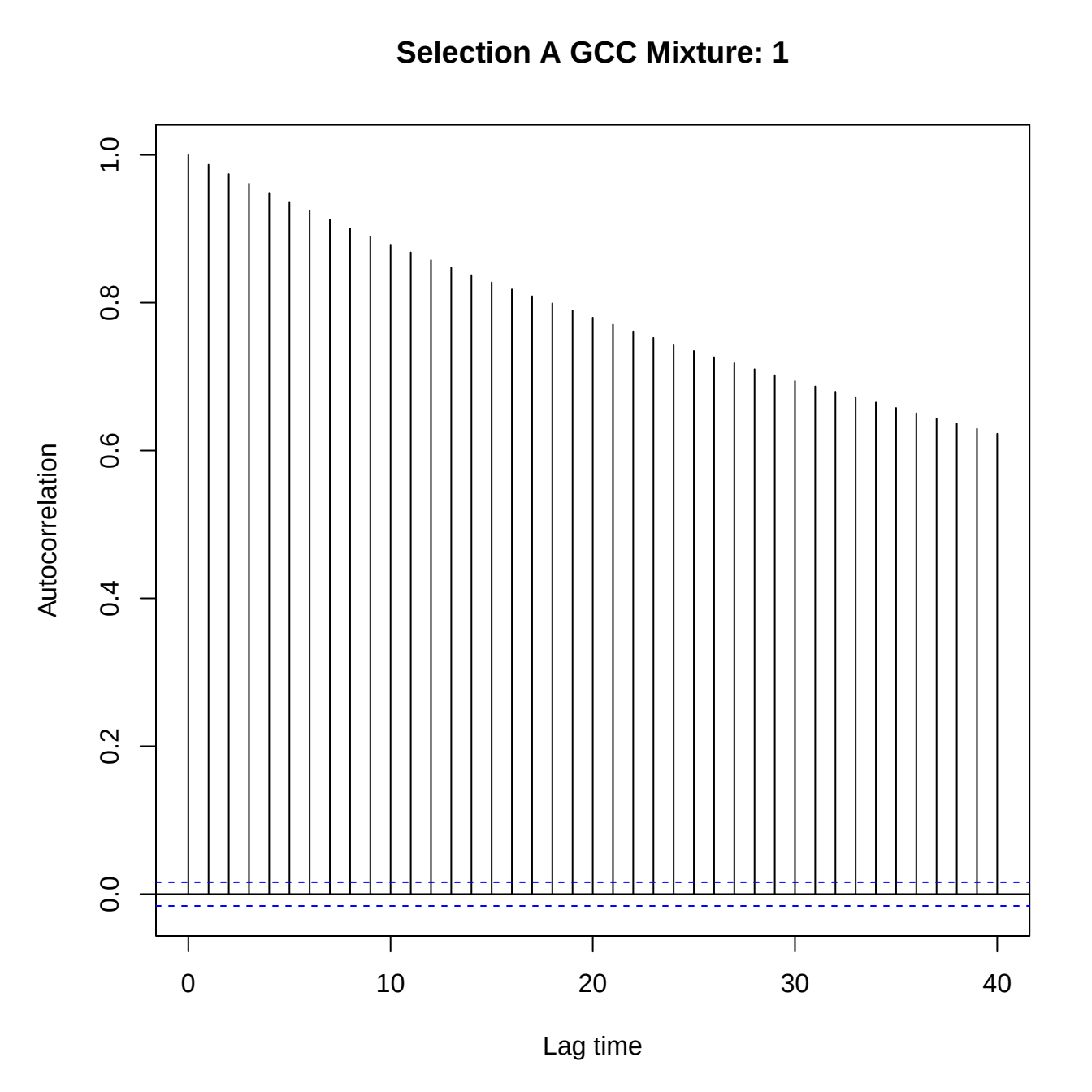

log(Posterior Probability): −3080761.441583
log(Posterior Probability)
−3080000
−3100000
−3120000
−3140000
0
5000
10000
15000
20000
Sample
−3080500
−3080600
−3080700
−3080800
−3080900
−3081000
−3081100
18000
18500
19000
19500
20000

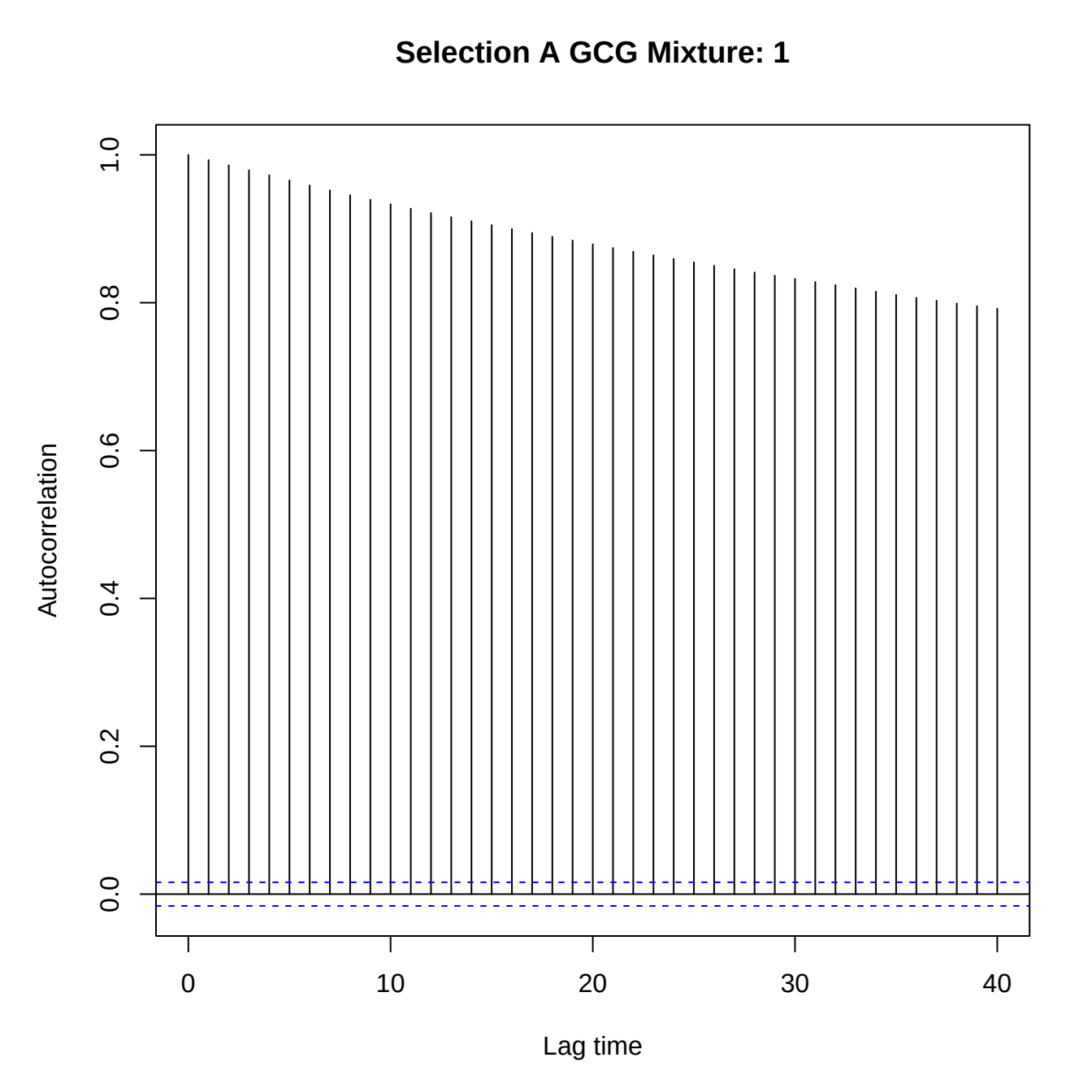

log(Likelihood Probability): −3079690.05402983
log(Likelihood Probability)
−3080000
−3100000
−3120000
−3140000
0
5000
10000
15000
20000
Sample
−3079500
−3079600
−3079700
−3079800
−3079900
18000
18500
19000
19500
20000

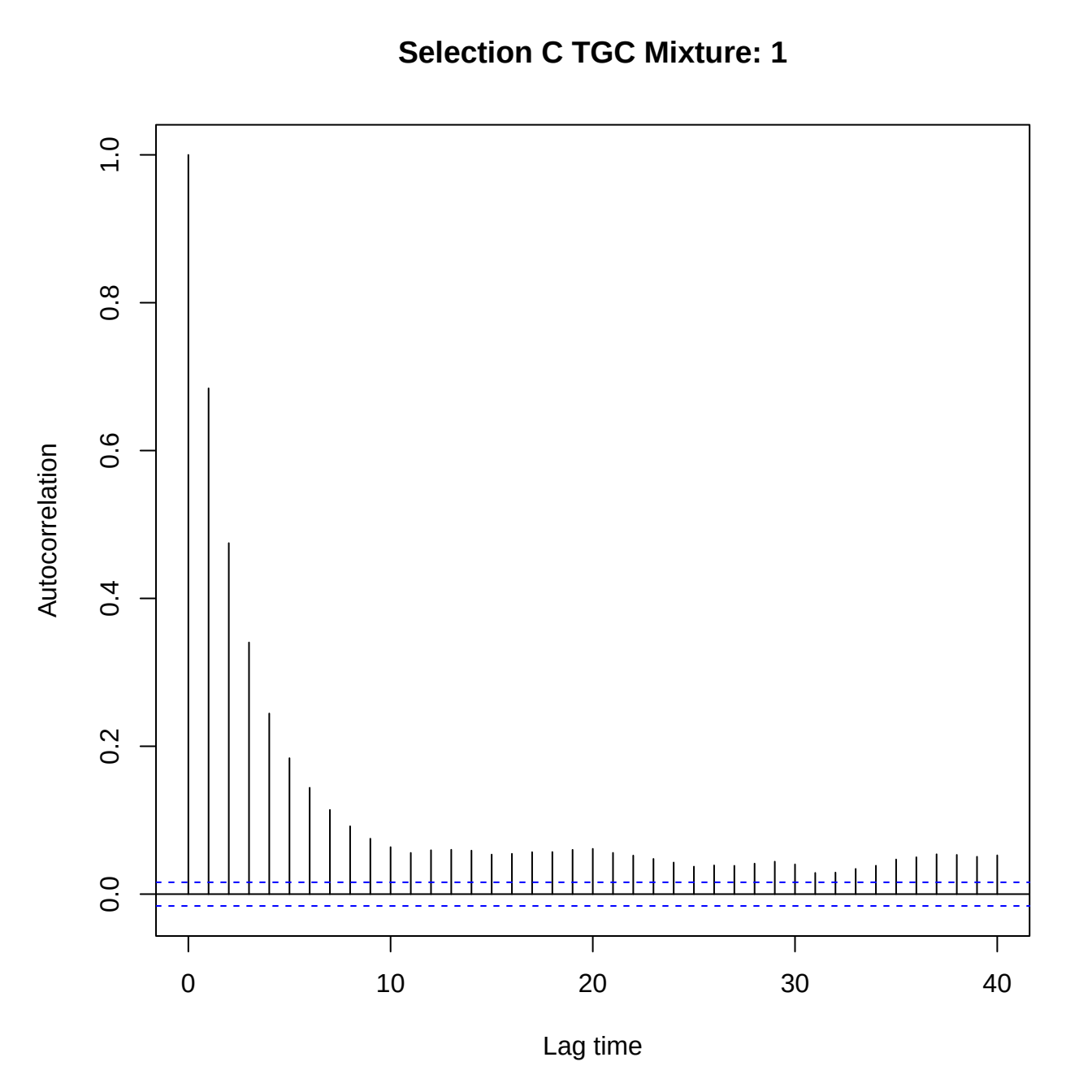

Trace of the Expected value of ϕ
$\bar{\phi}$
0.6
0.7
0.8
0.9
1.0
0
5000
10000
15000
20000
Sample

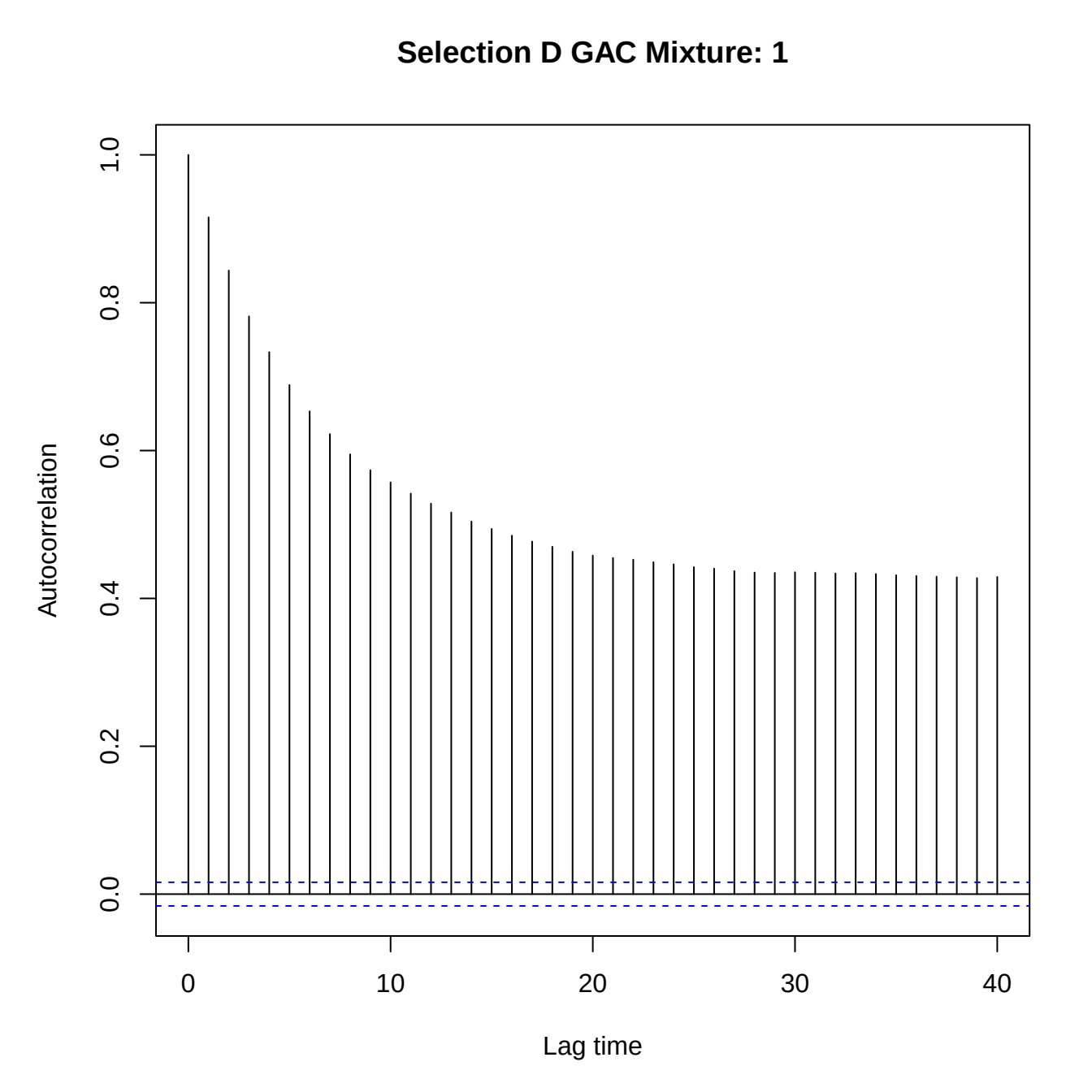

s_ϕTrace
Mixture Element1
1.5
1.0
0.5
0.0
s_ϕ
0
5000
10000
15000
20000
Sample

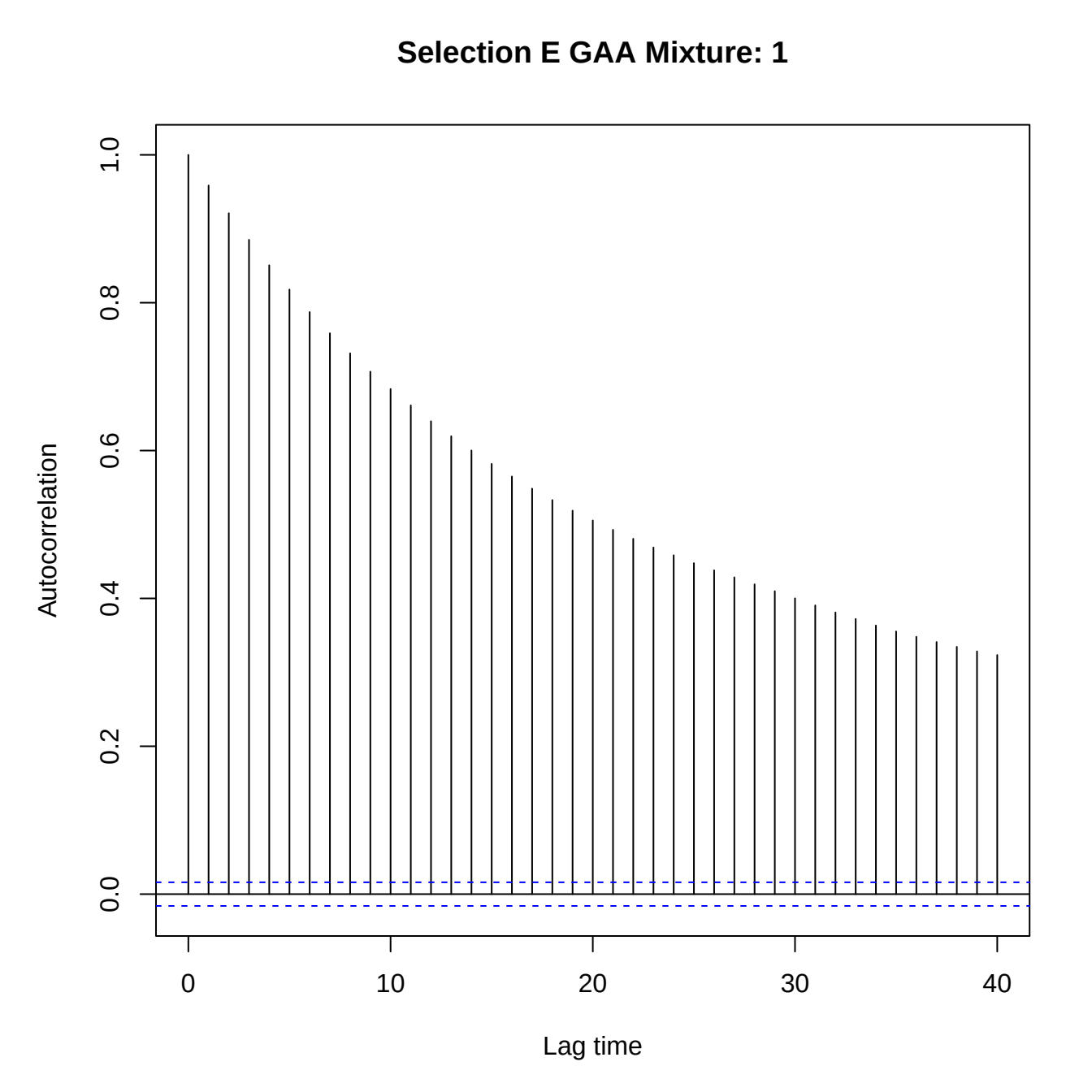

Selection A GCA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

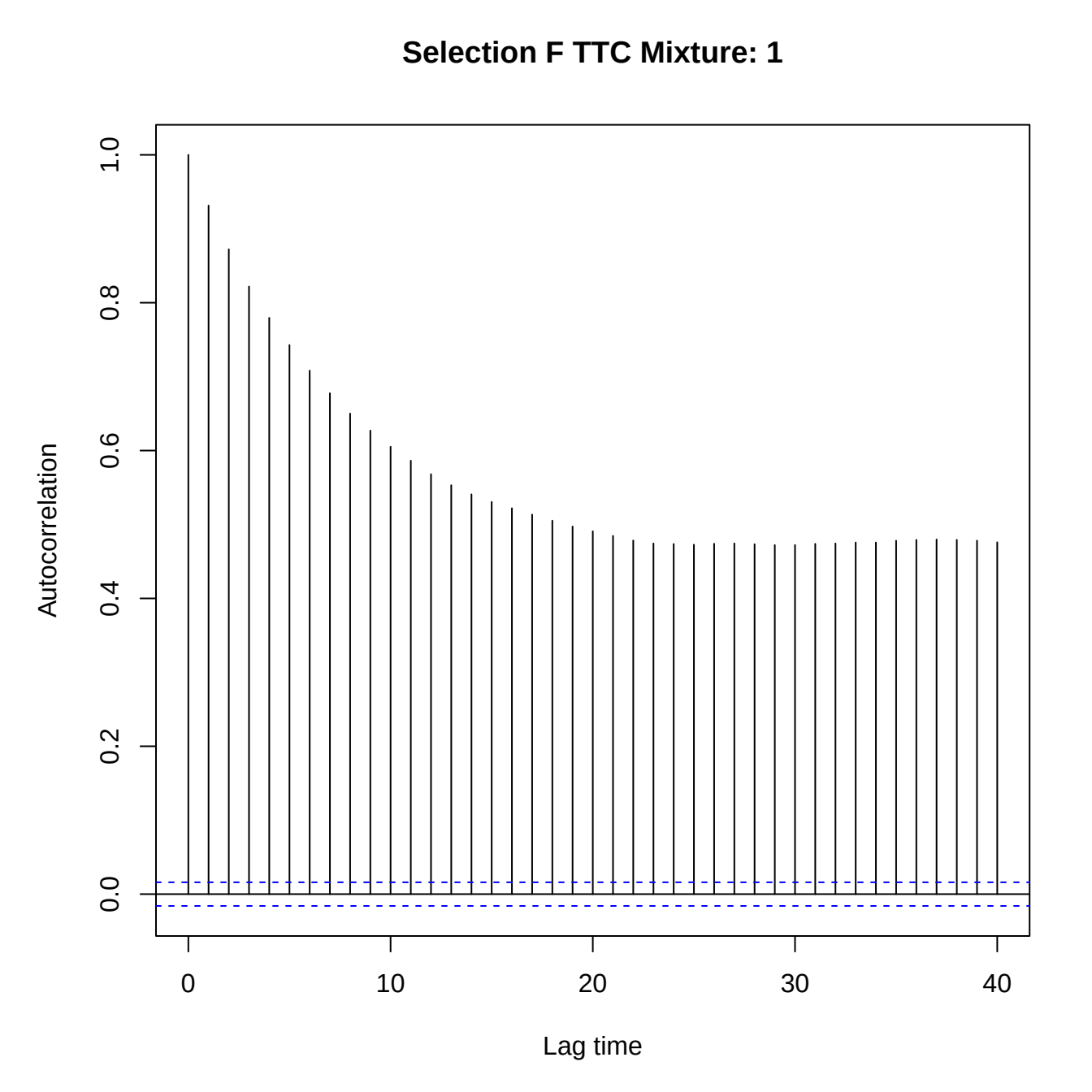

Selection A GCC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

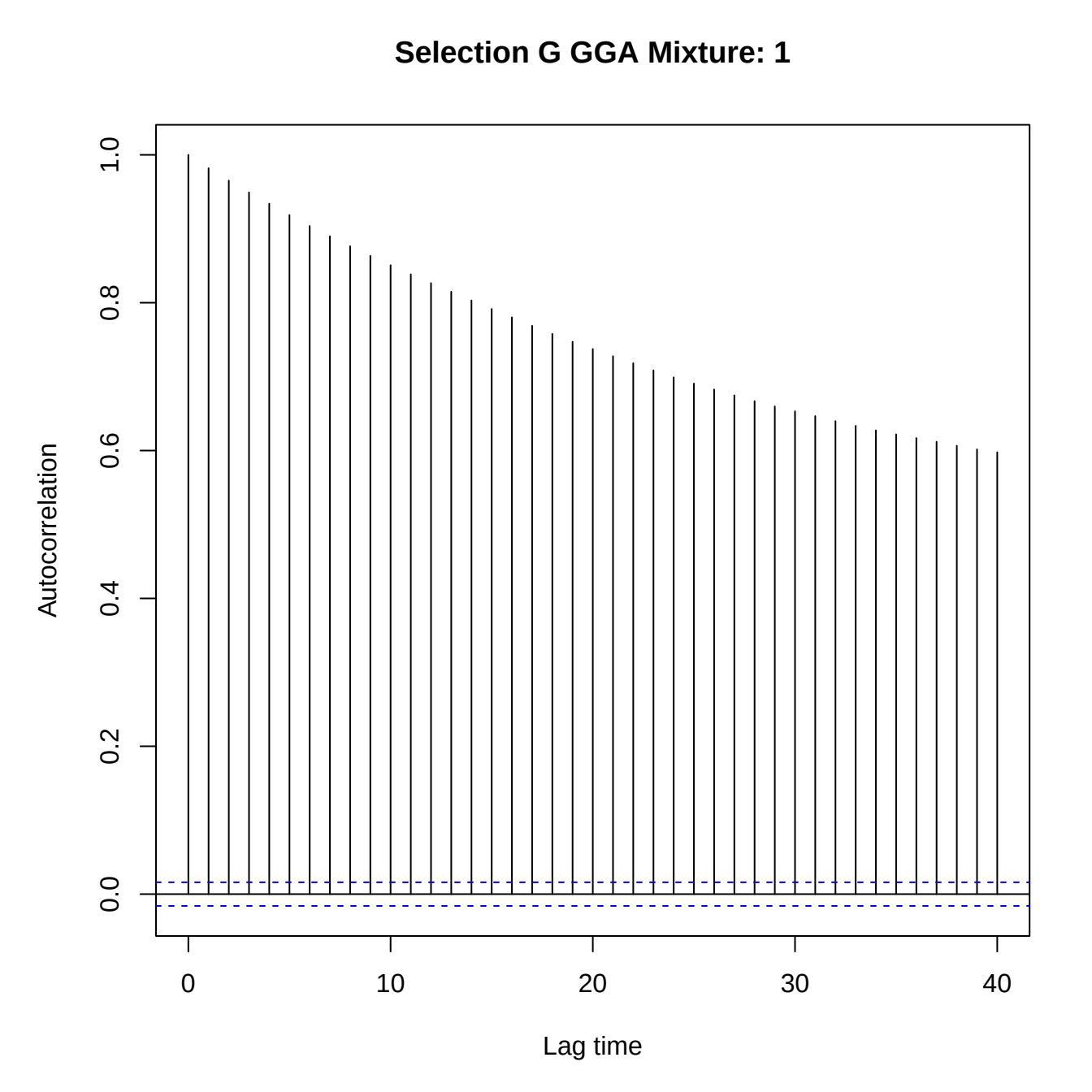

Selection A GCG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

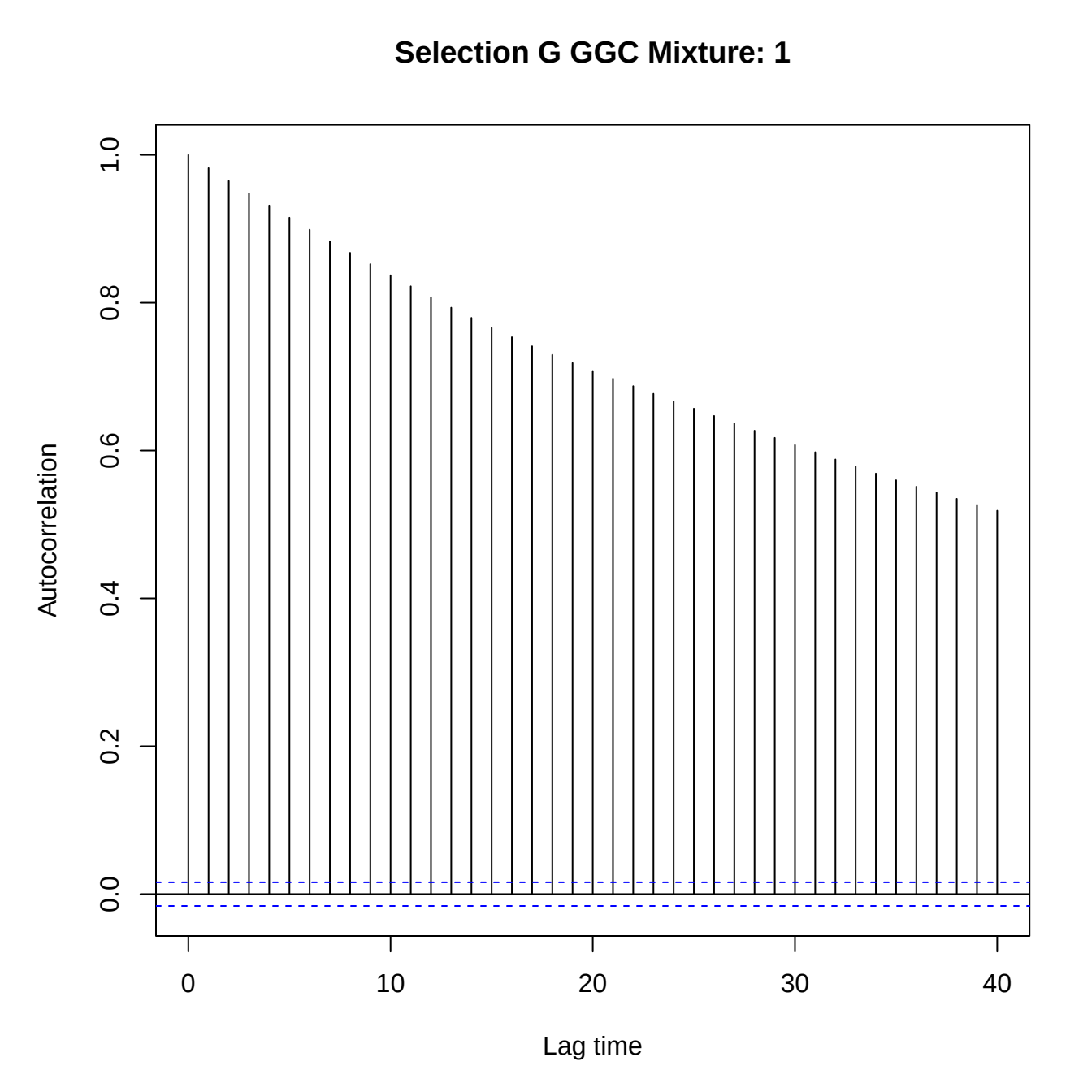

Selection C TGC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

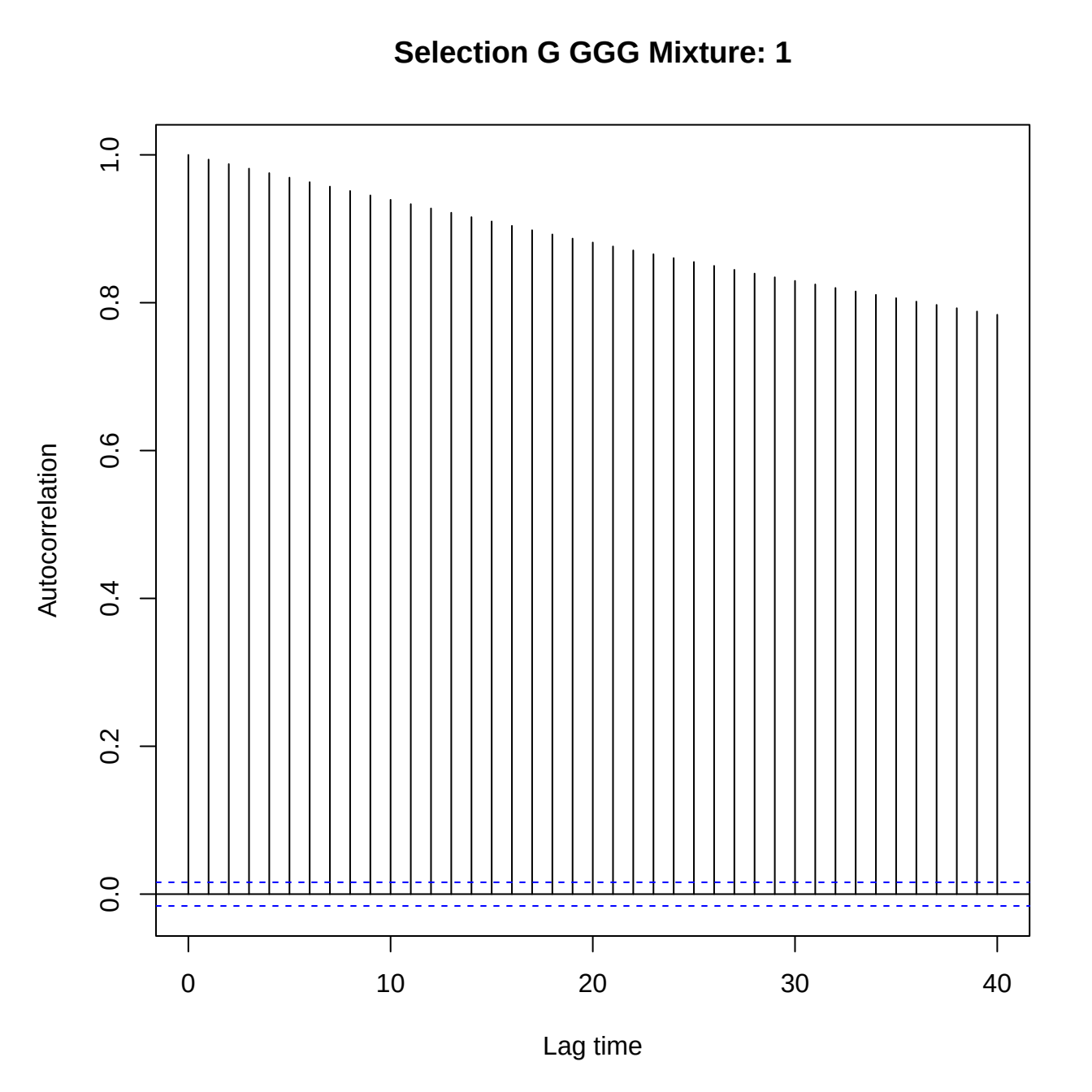

Selection D GAC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

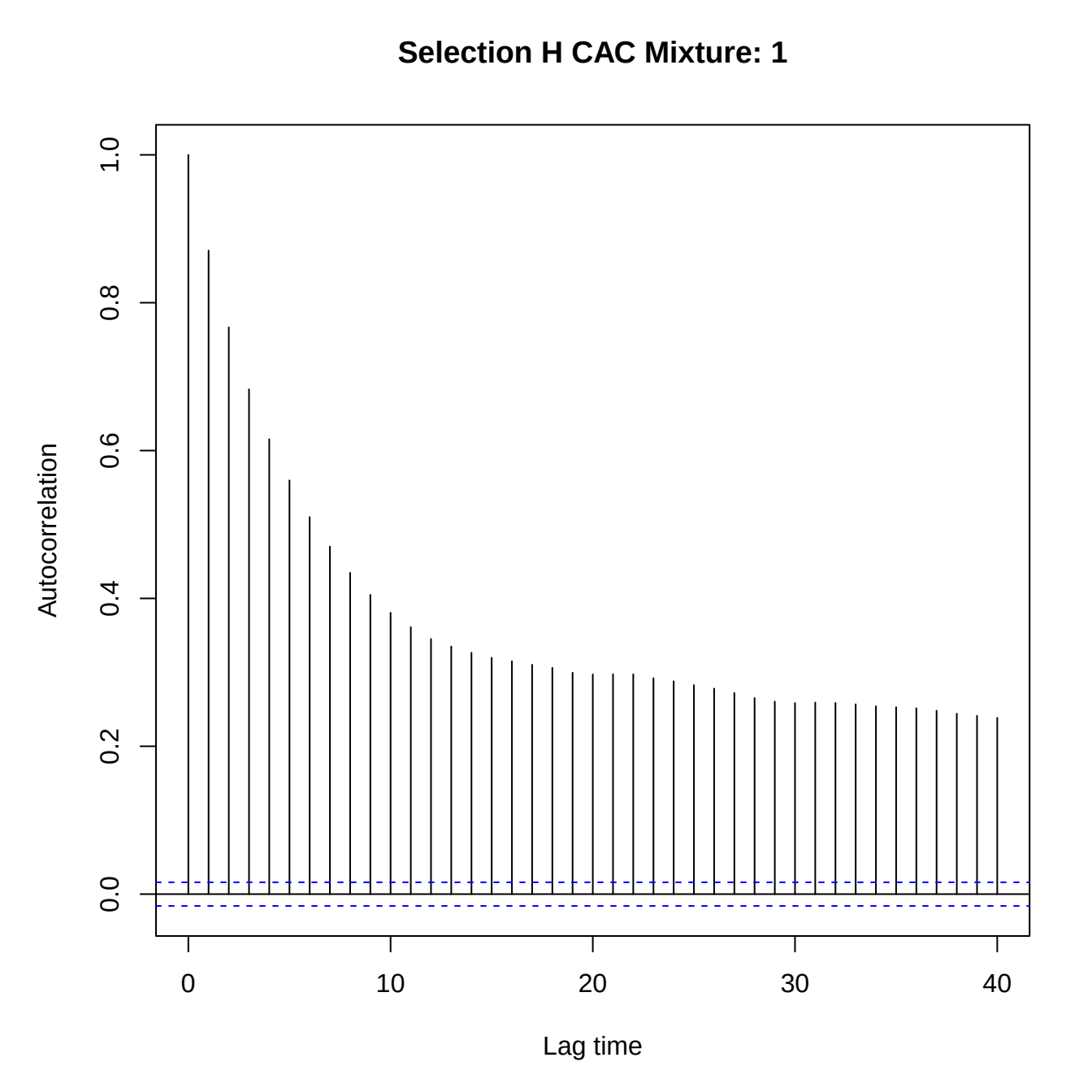

Selection E GAA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

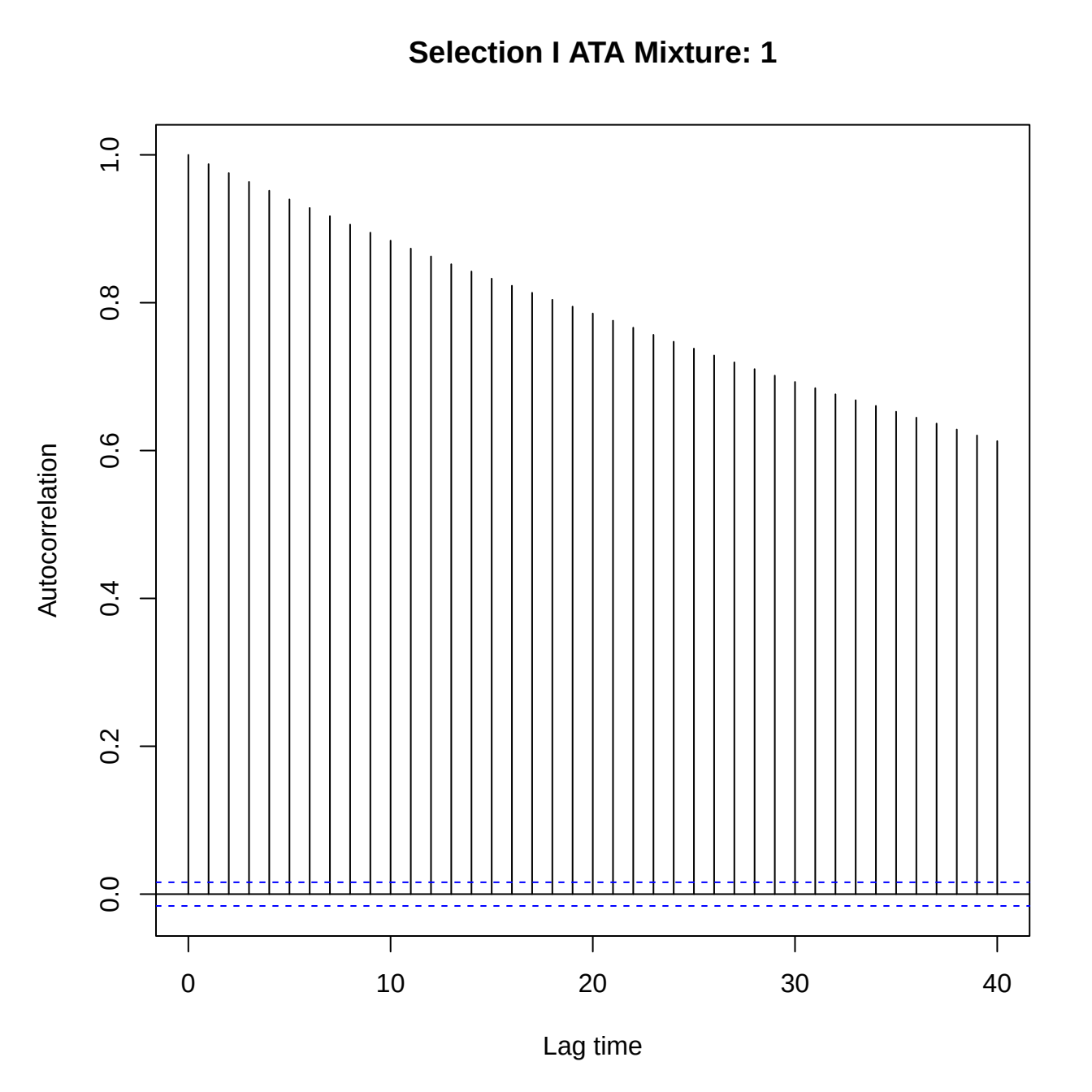

Selection F TTC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

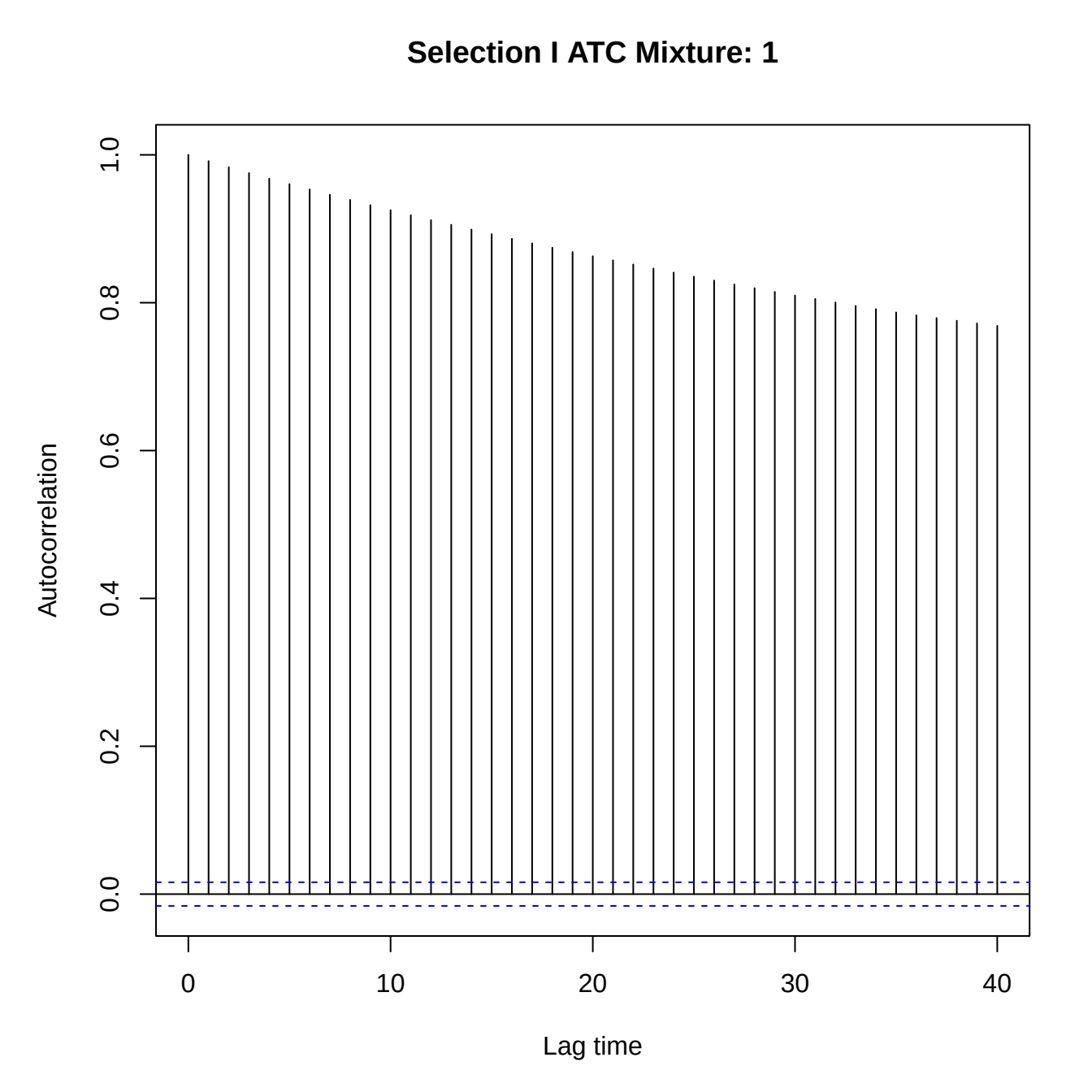

Selection G GGA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

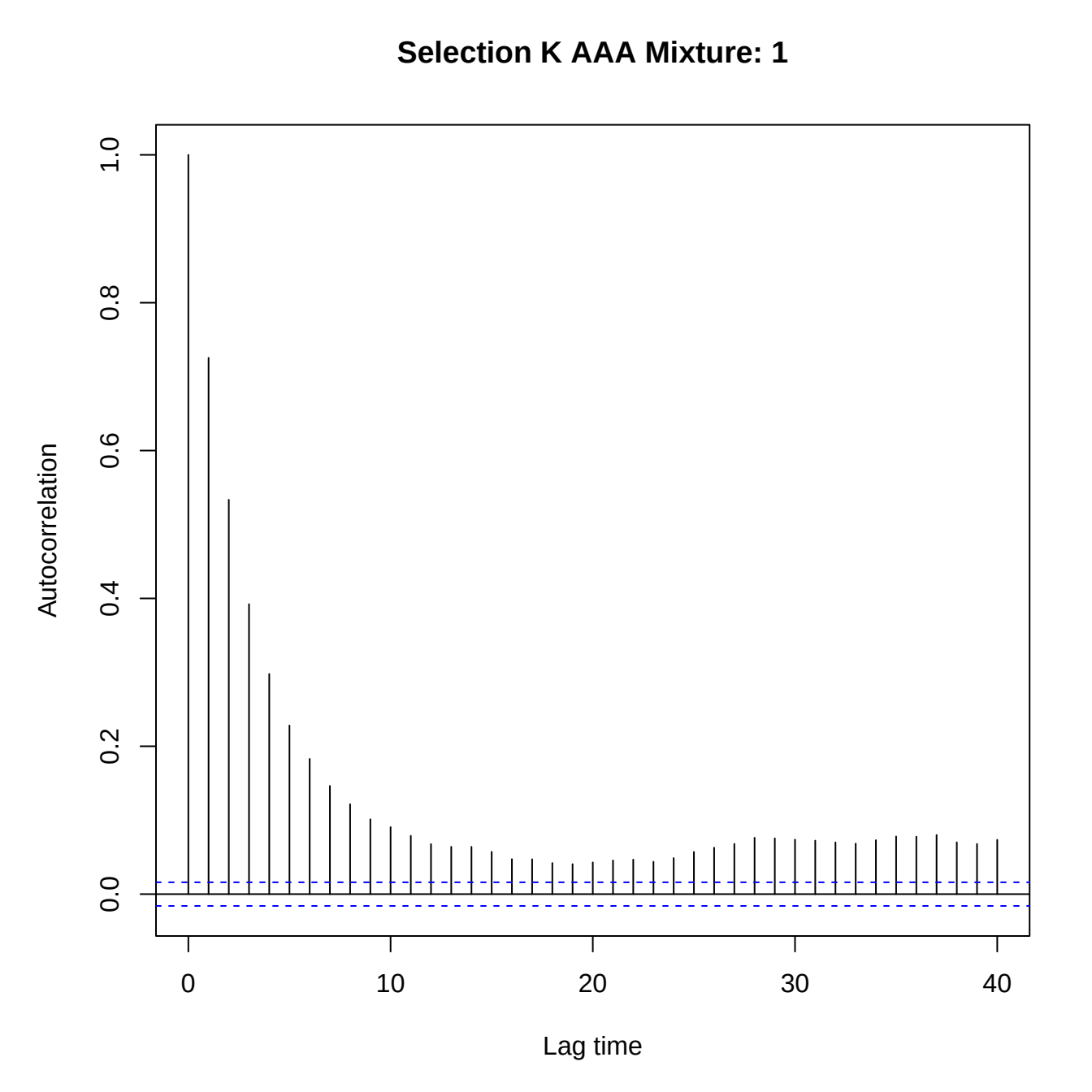

Selection G GGC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

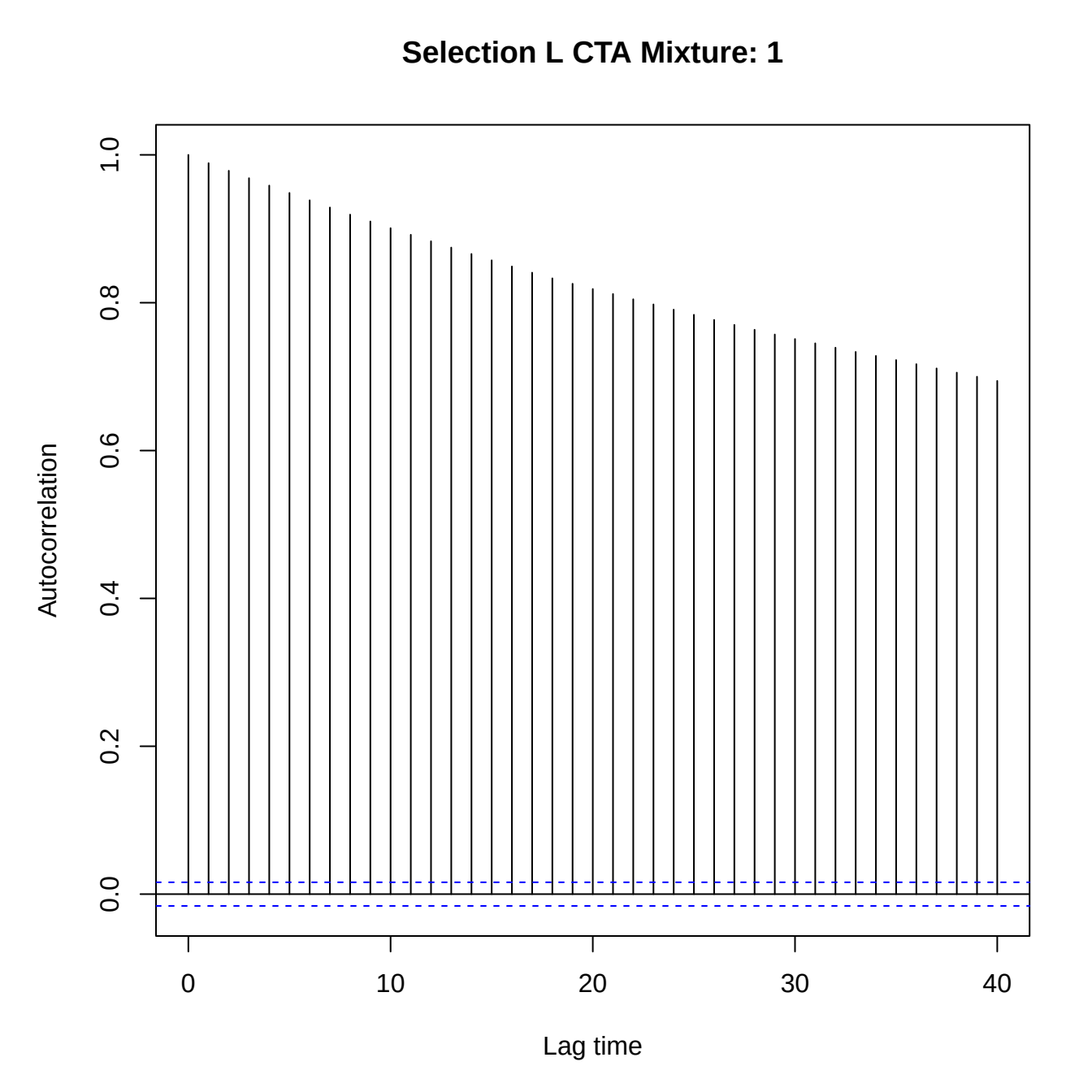

Selection G GGG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

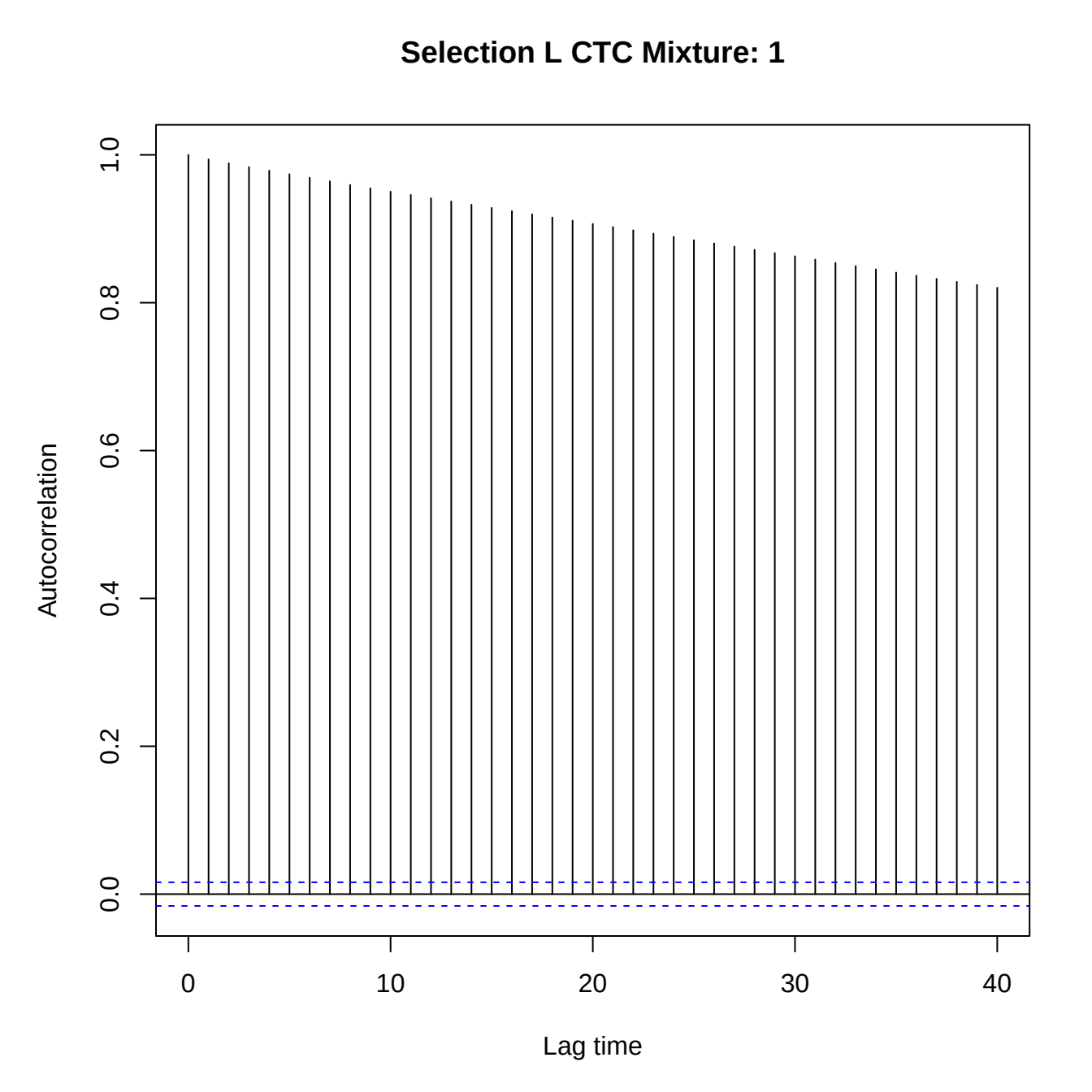

Selection H CAC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

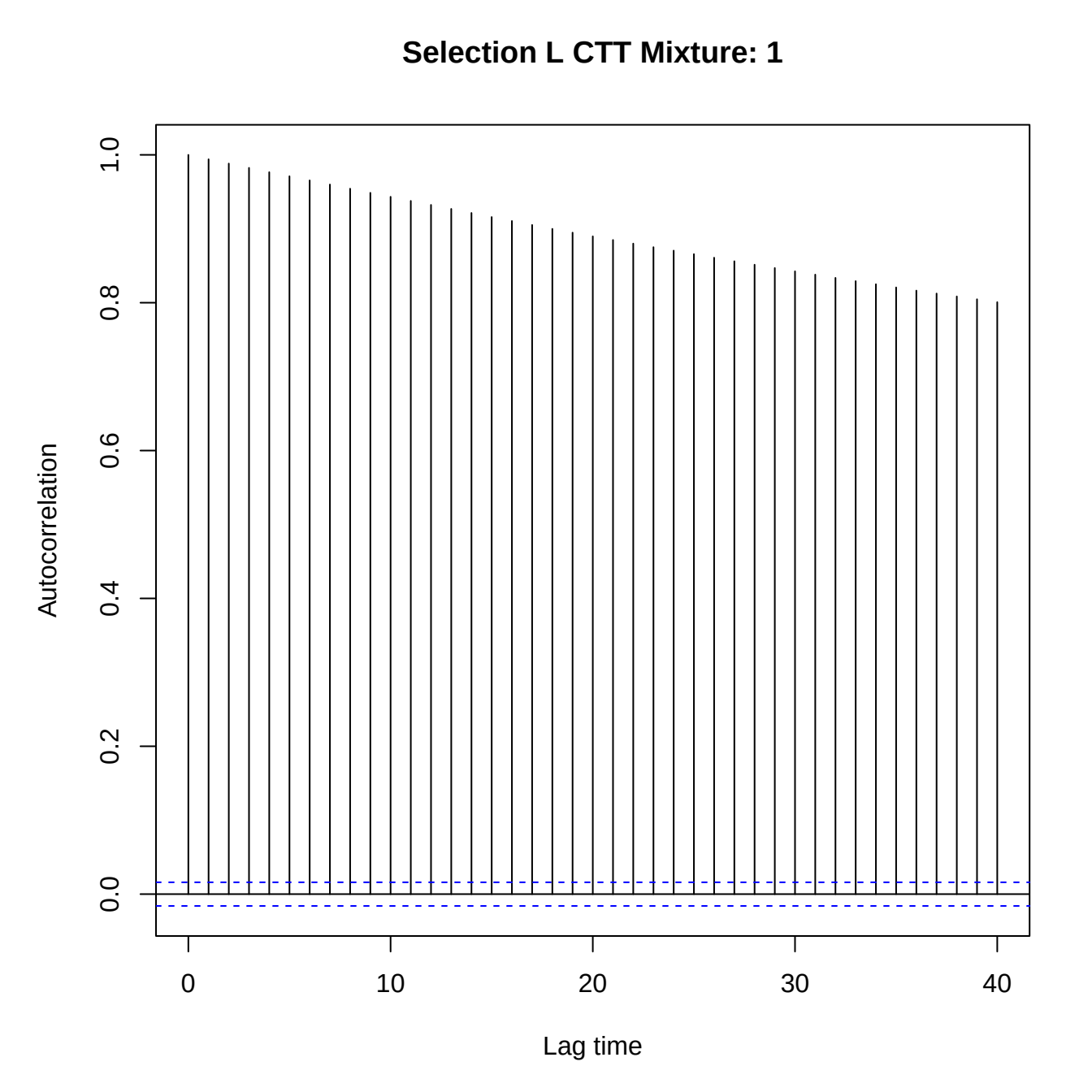

Selection I ATA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

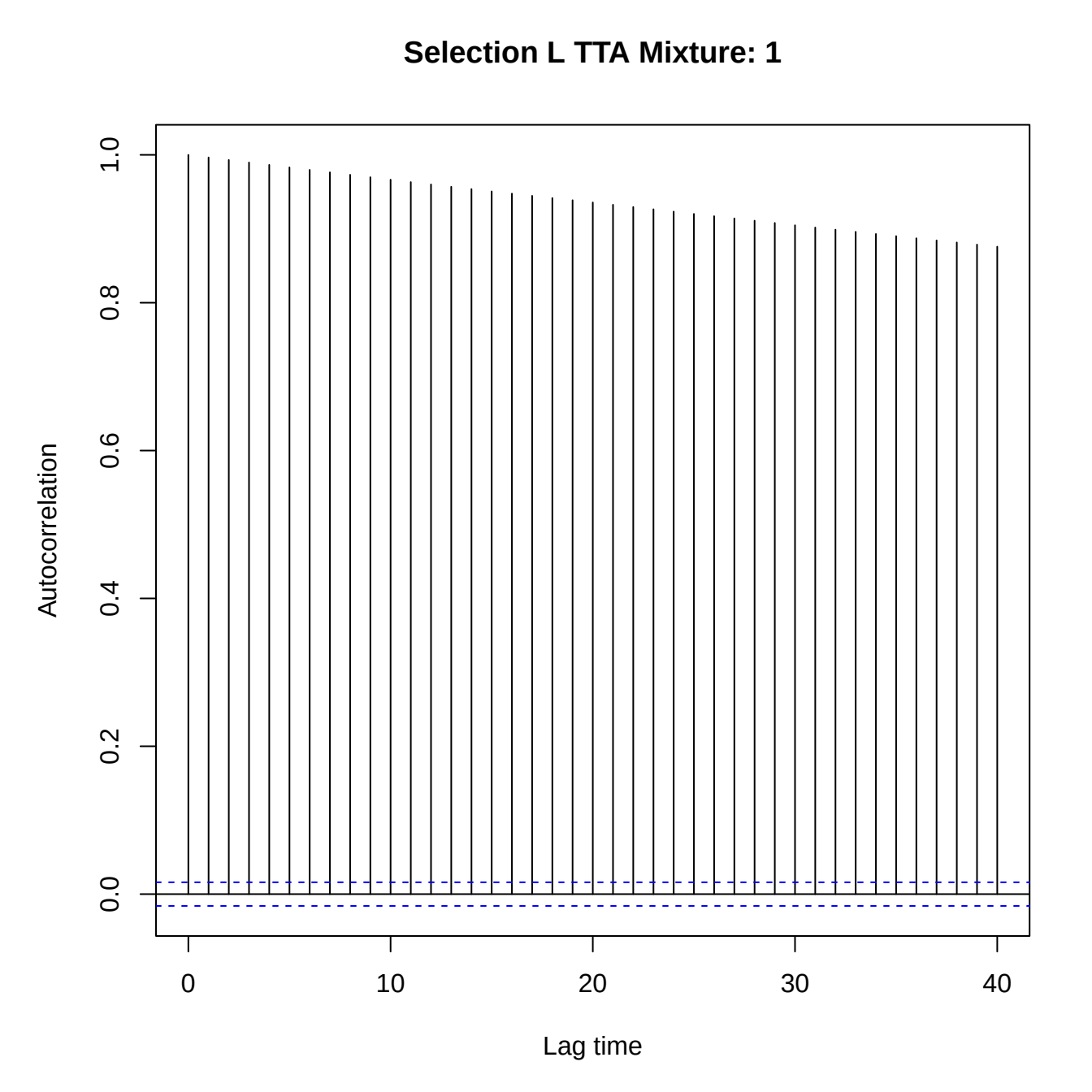

Selection I ATC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

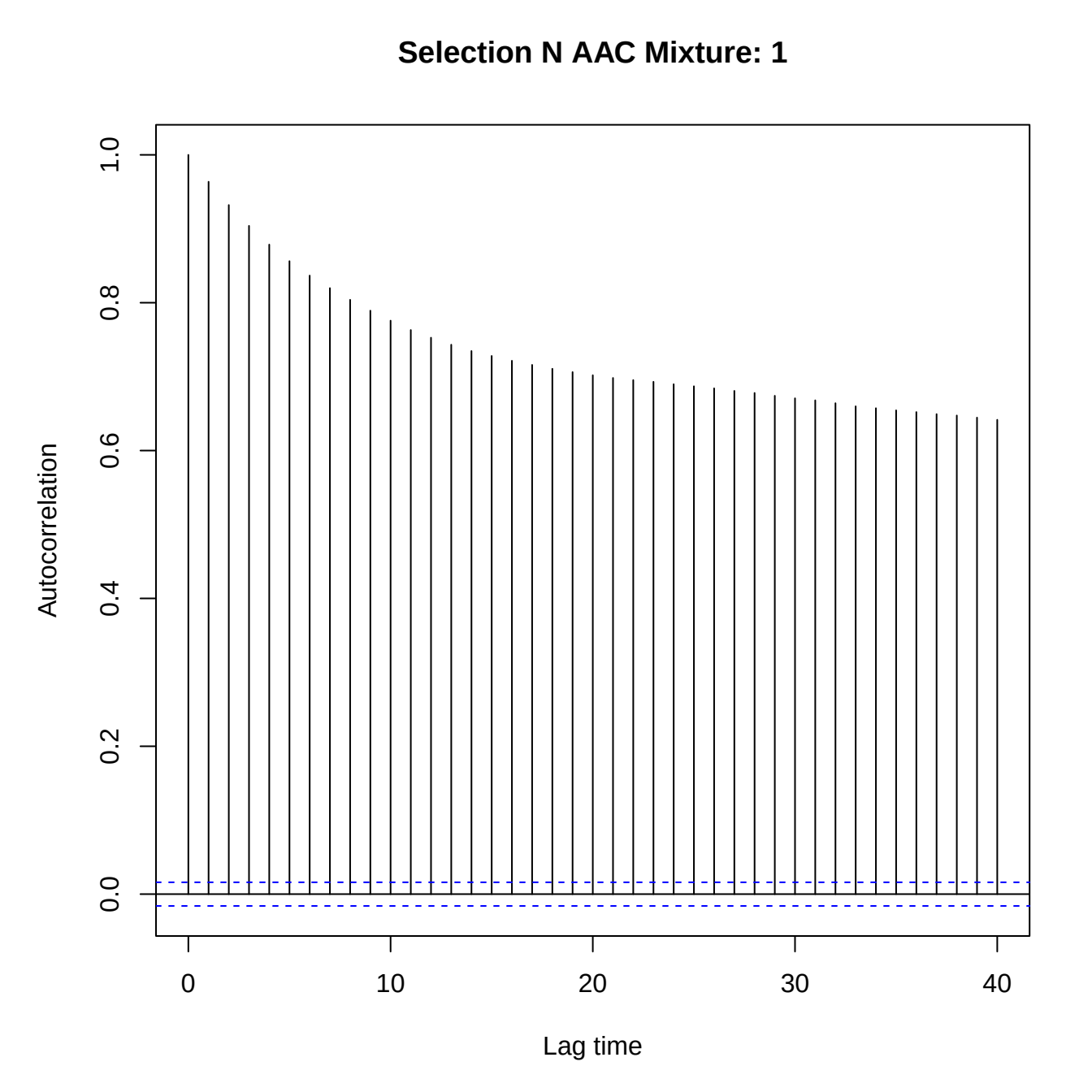

Selection K AAA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

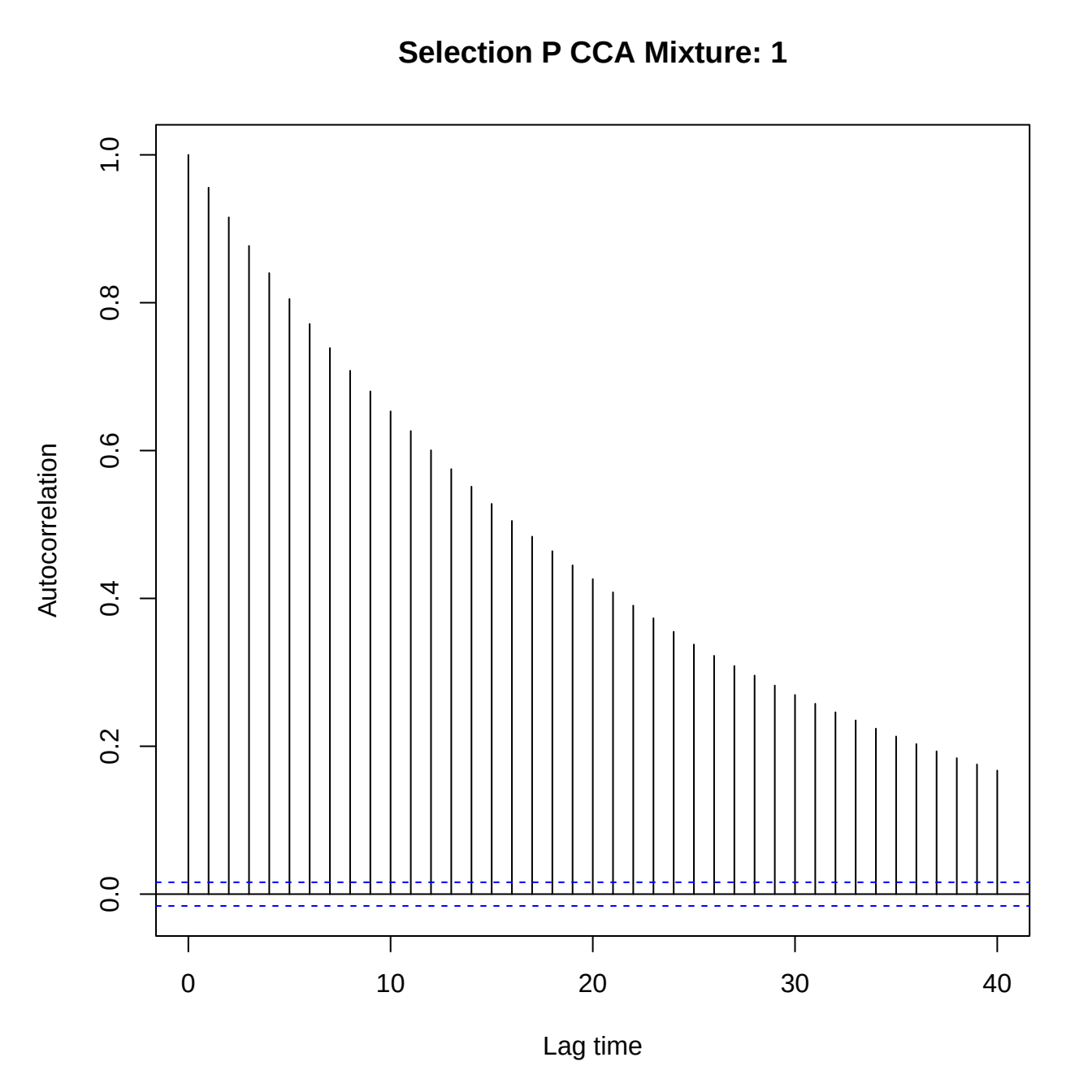

Selection L CTA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

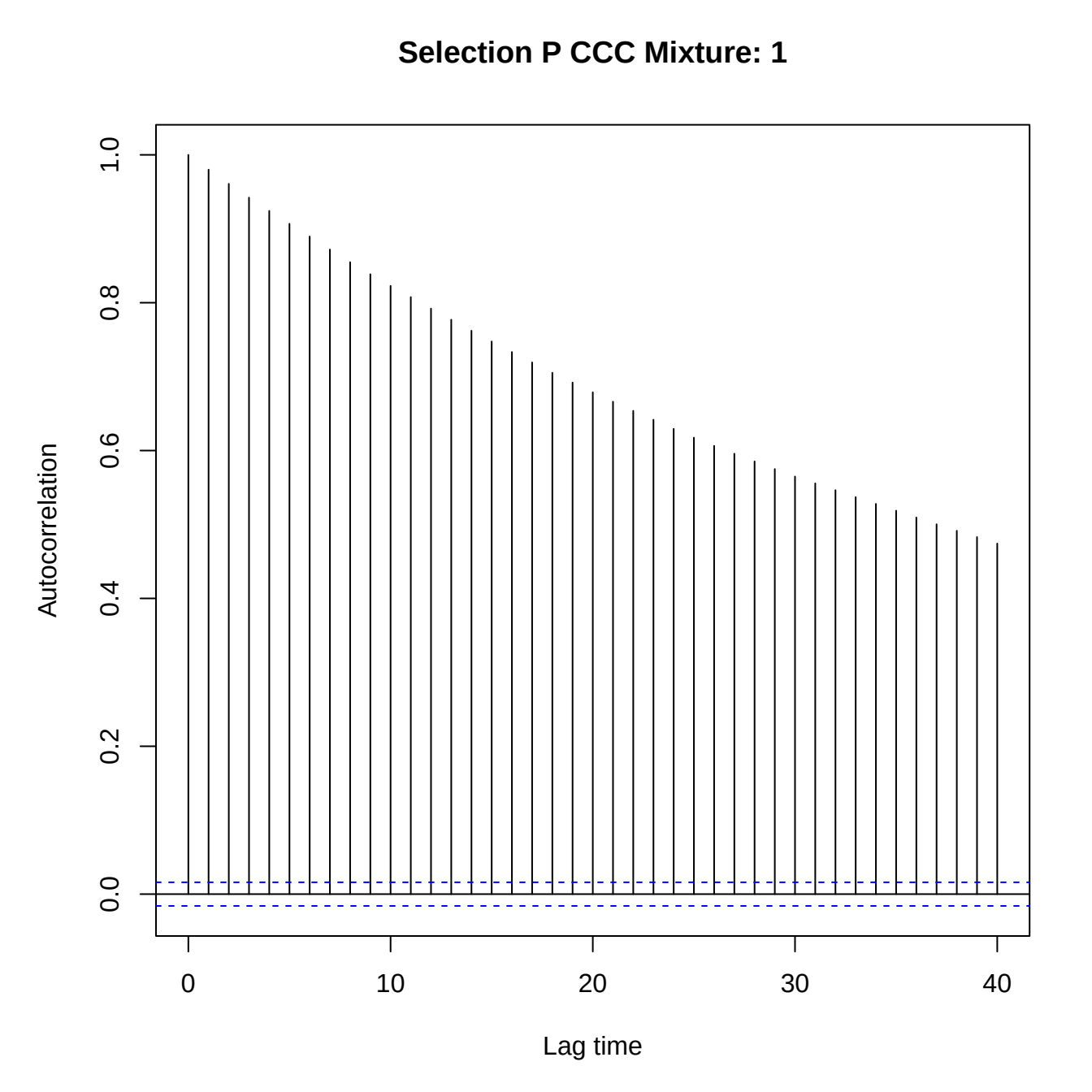

Selection L CTC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

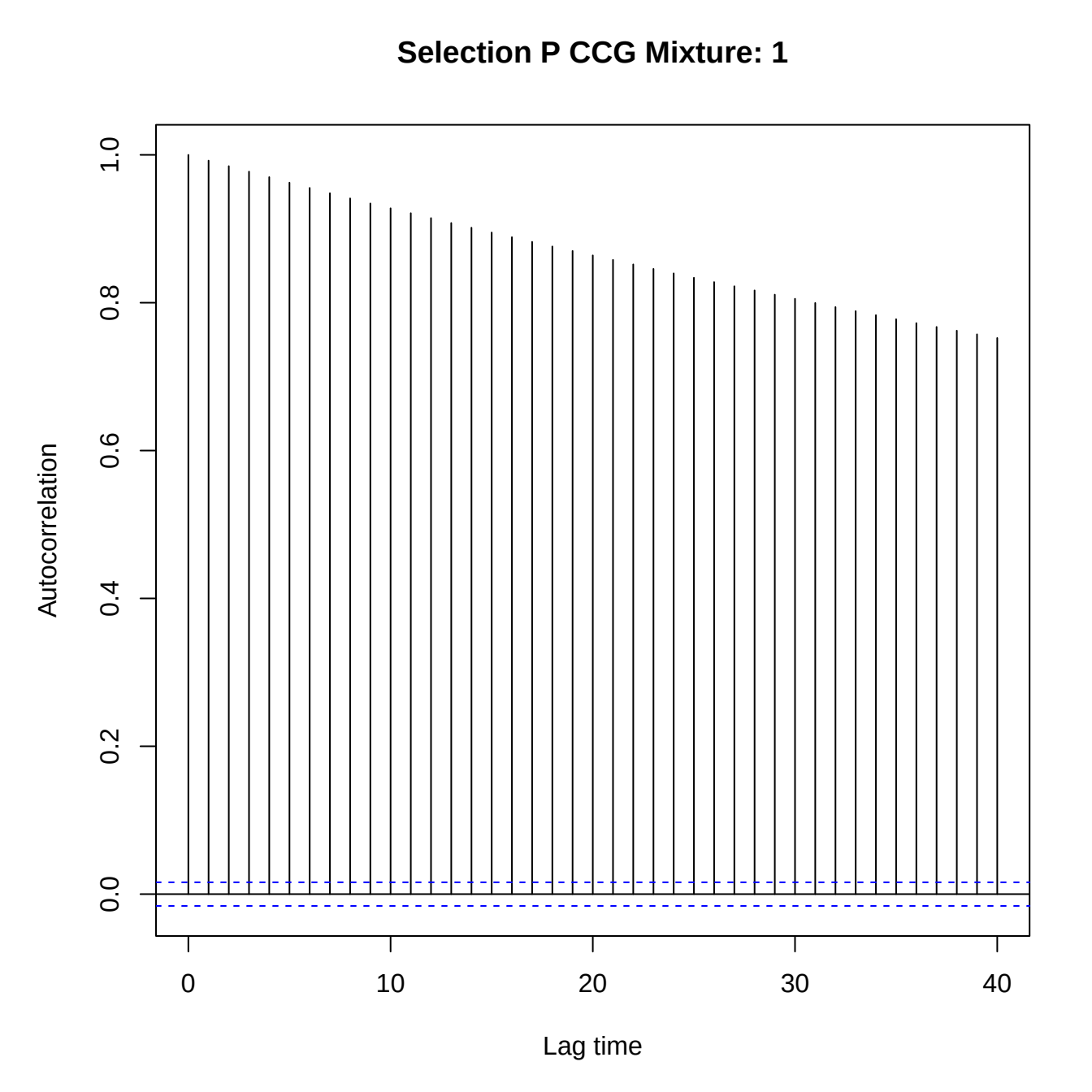

Selection L CTT Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

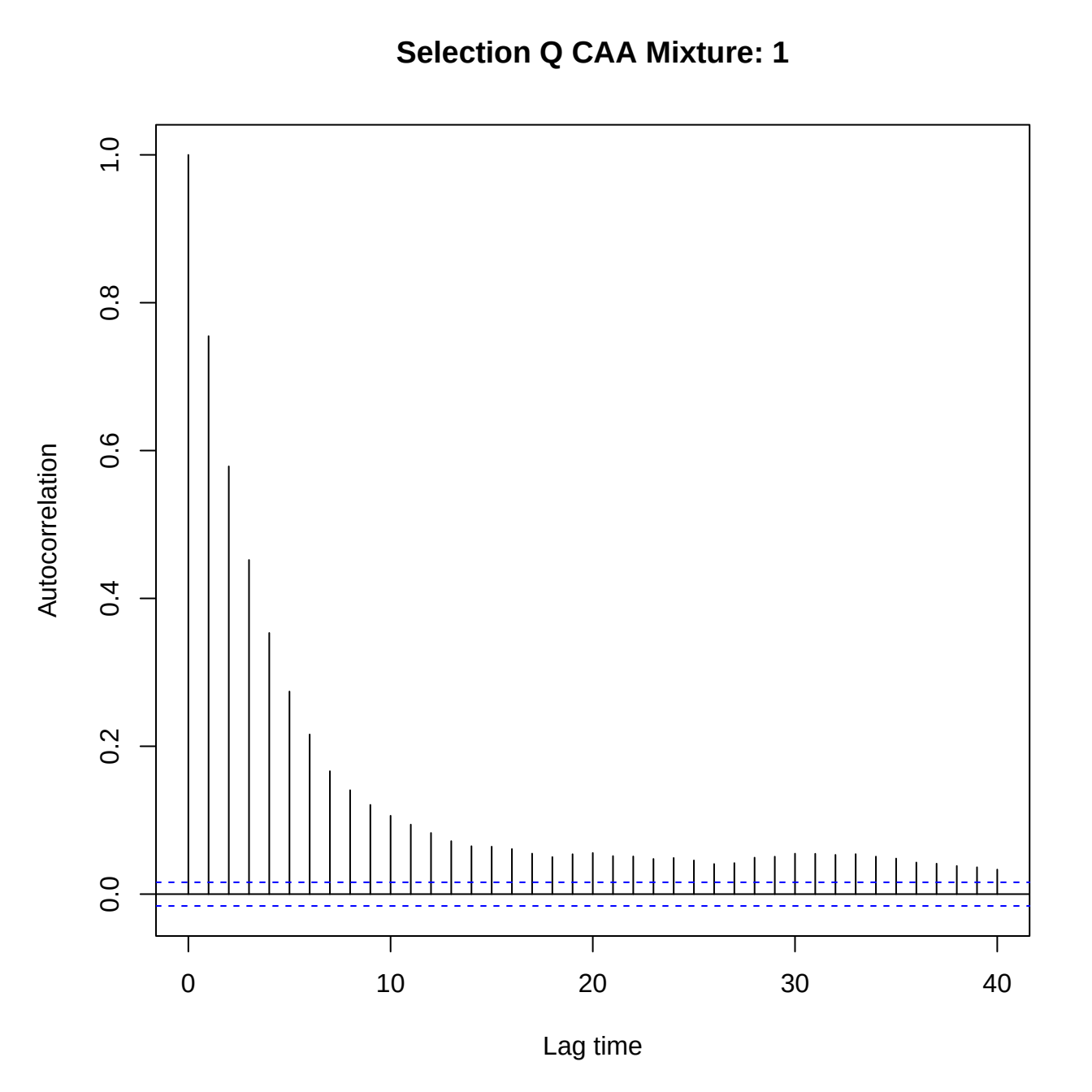

Selection L TTA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

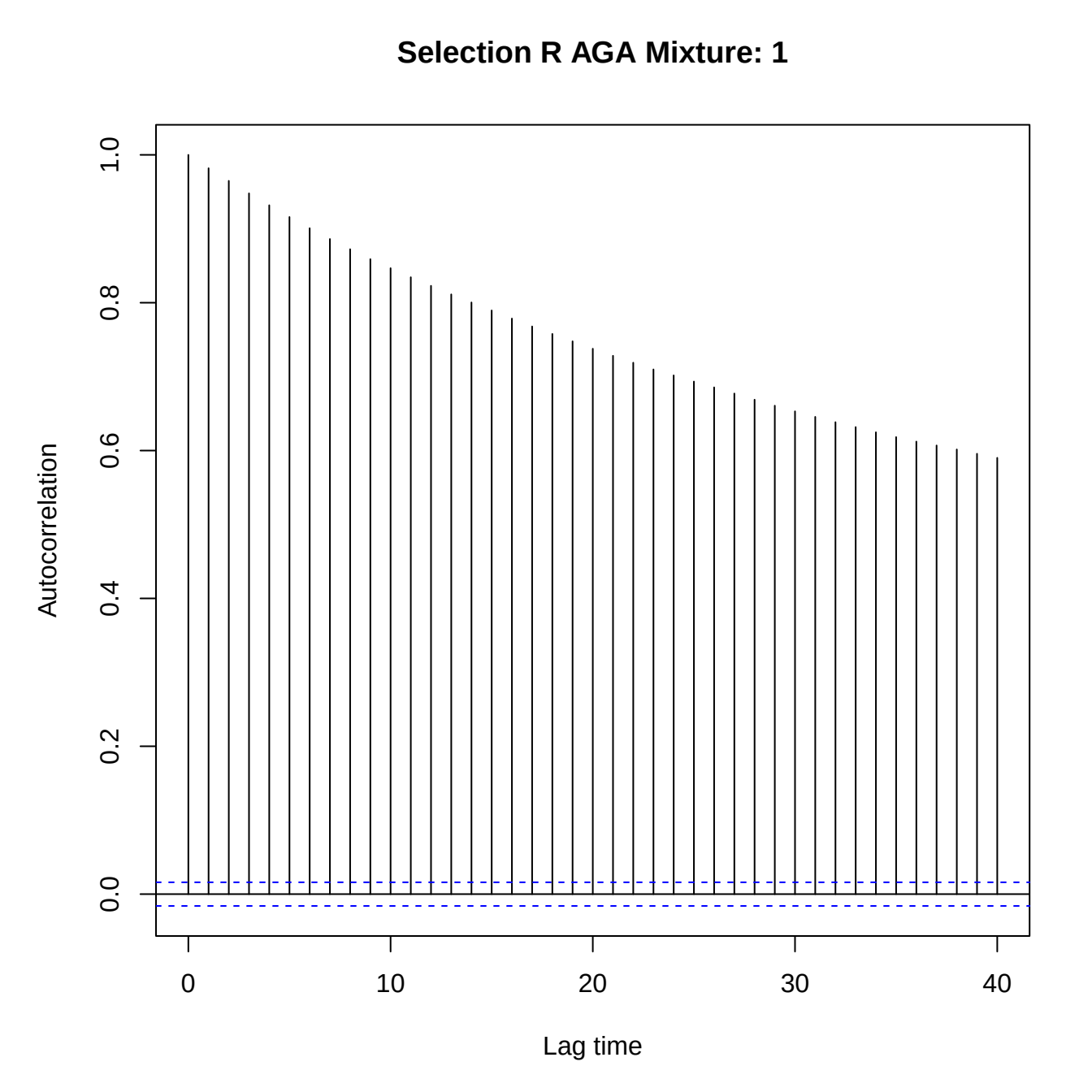

Selection N AAC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

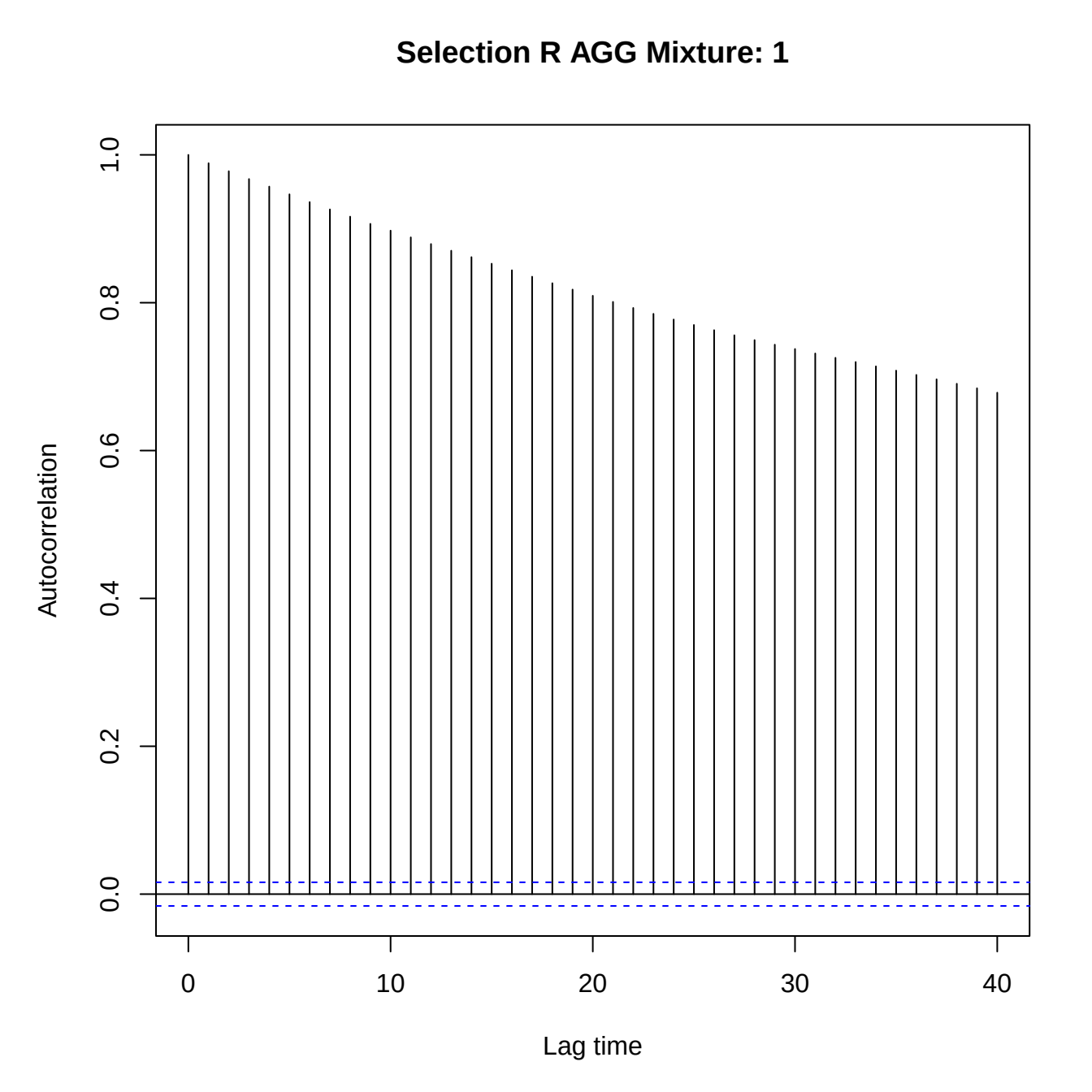

Selection P CCA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

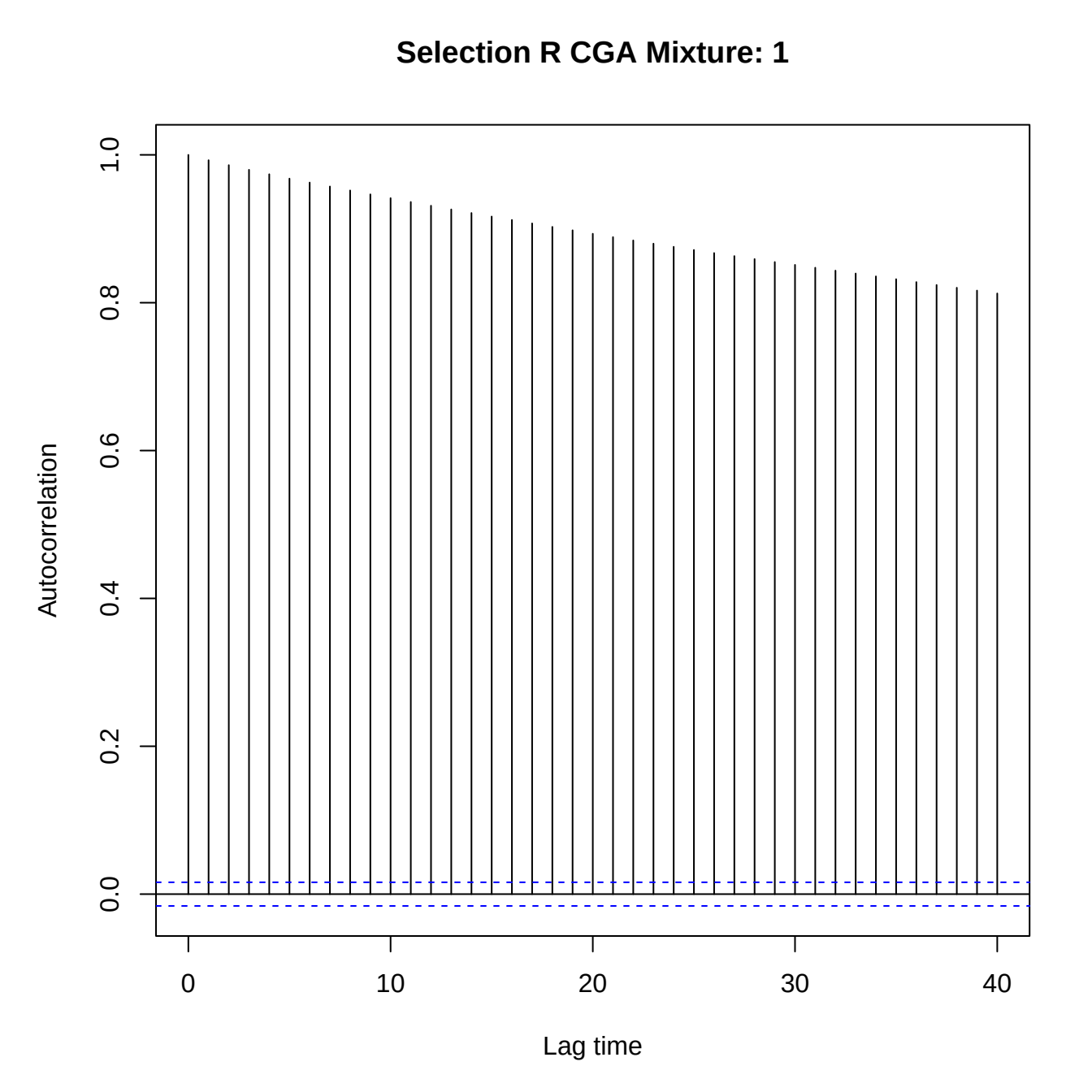

Selection P CCC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

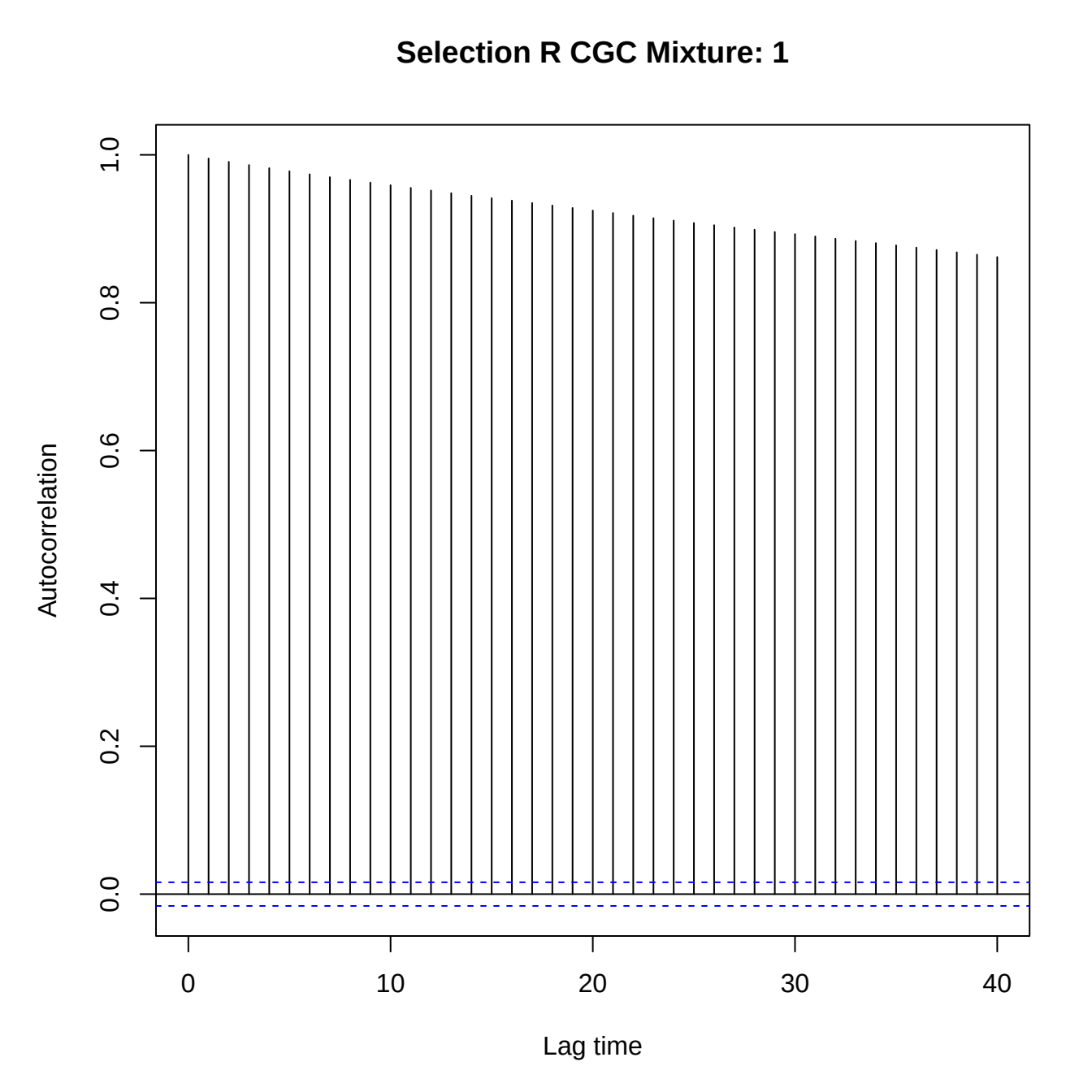

Selection P CCG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

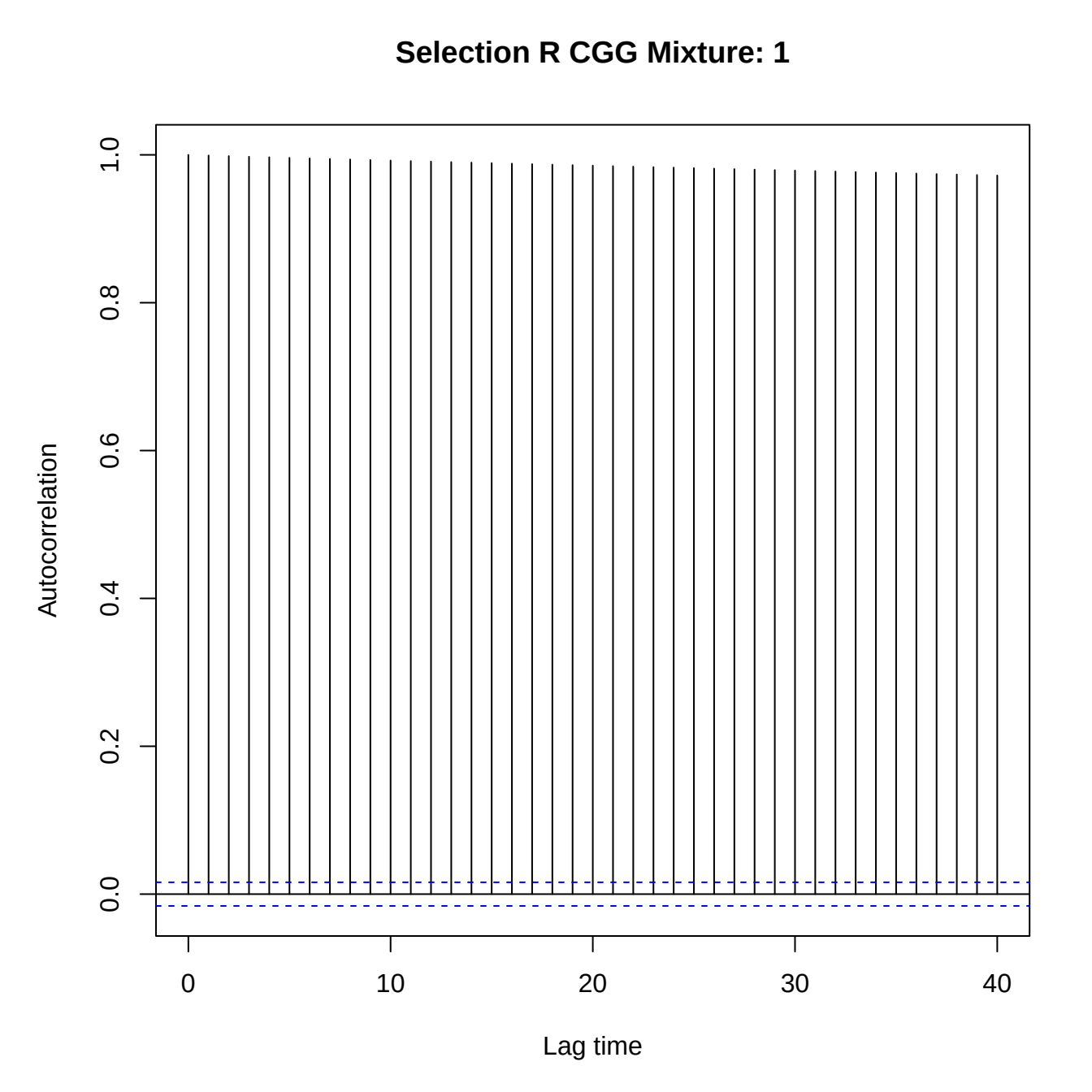

Selection Q CAA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

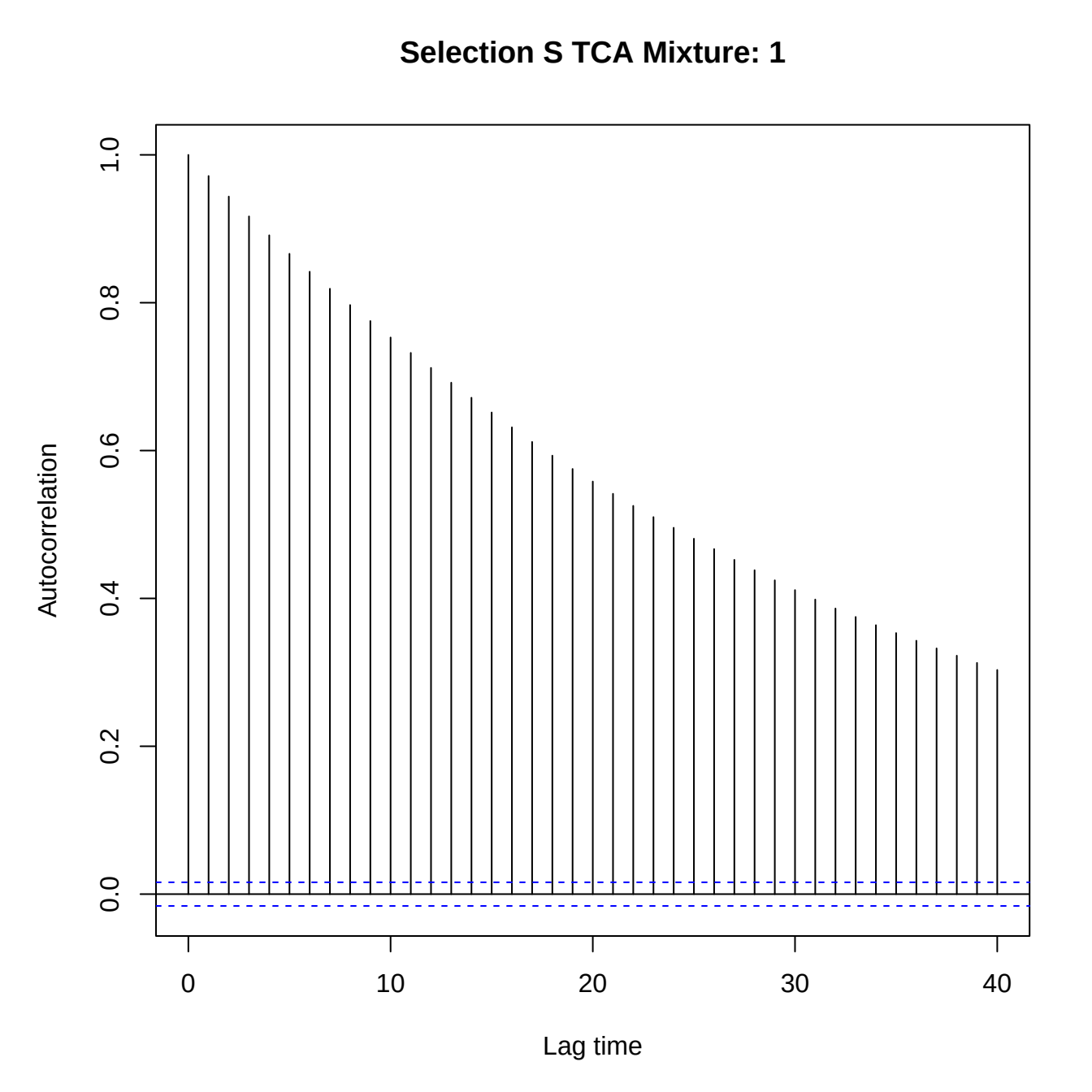

Selection R AGA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

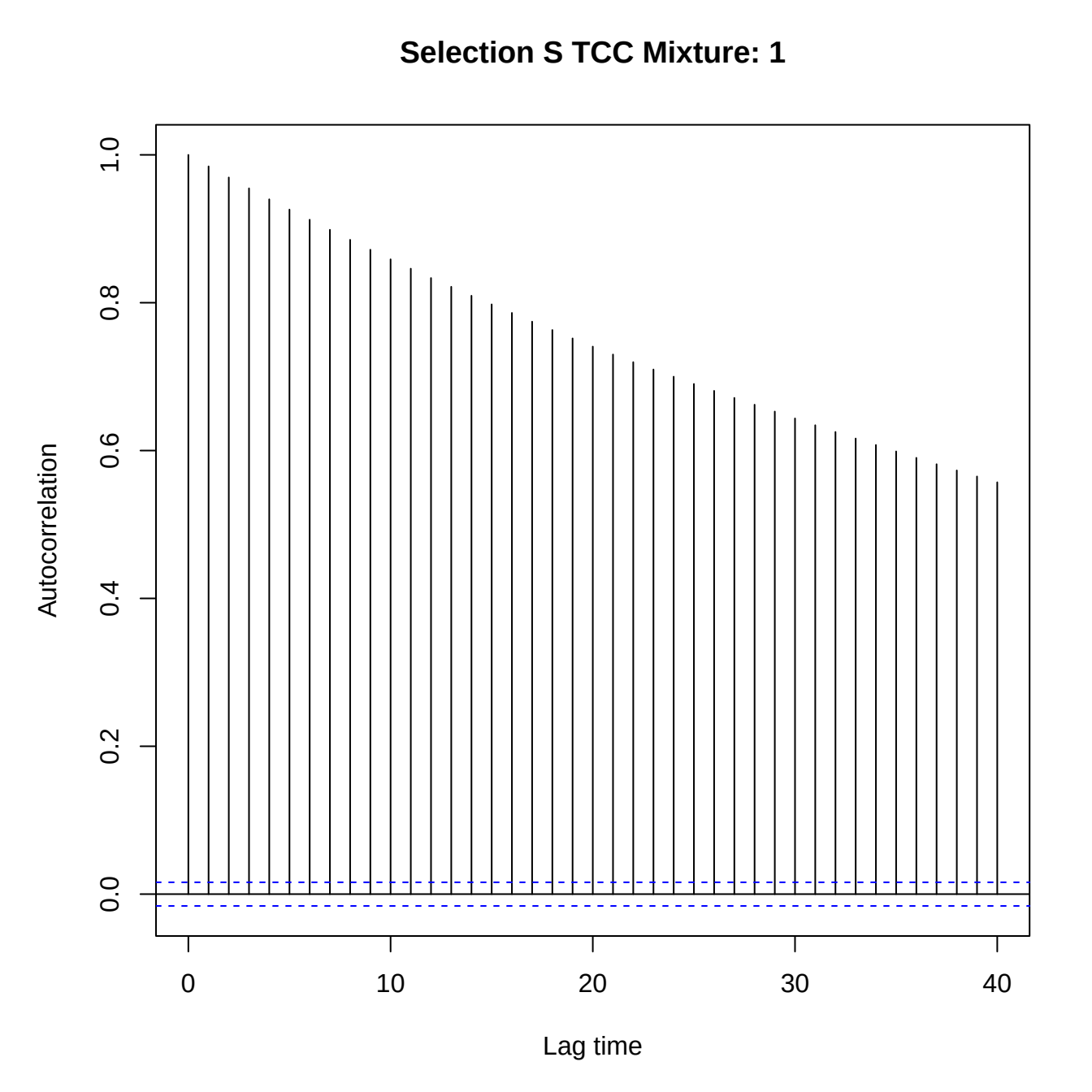

Selection R AGG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

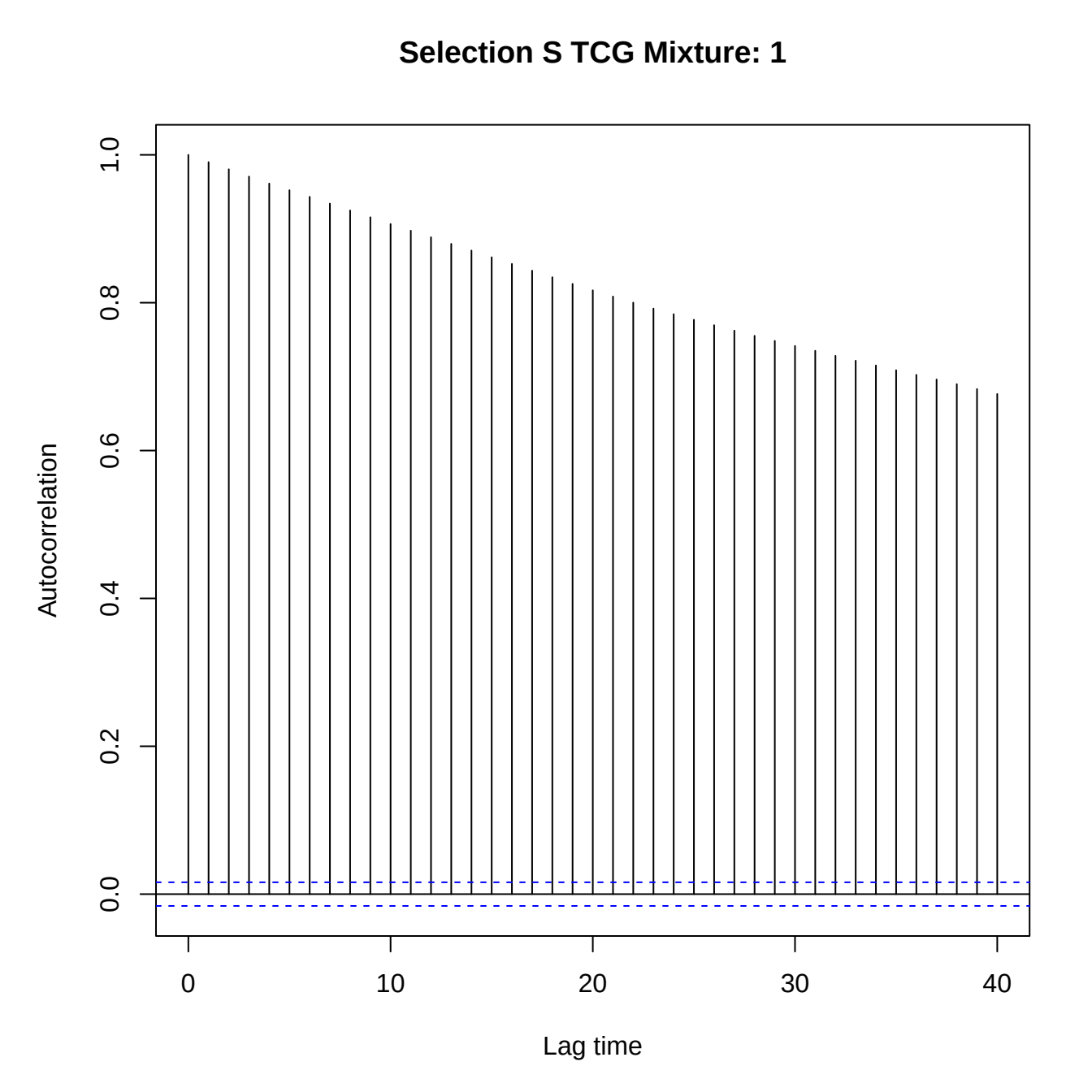

Selection R CGA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

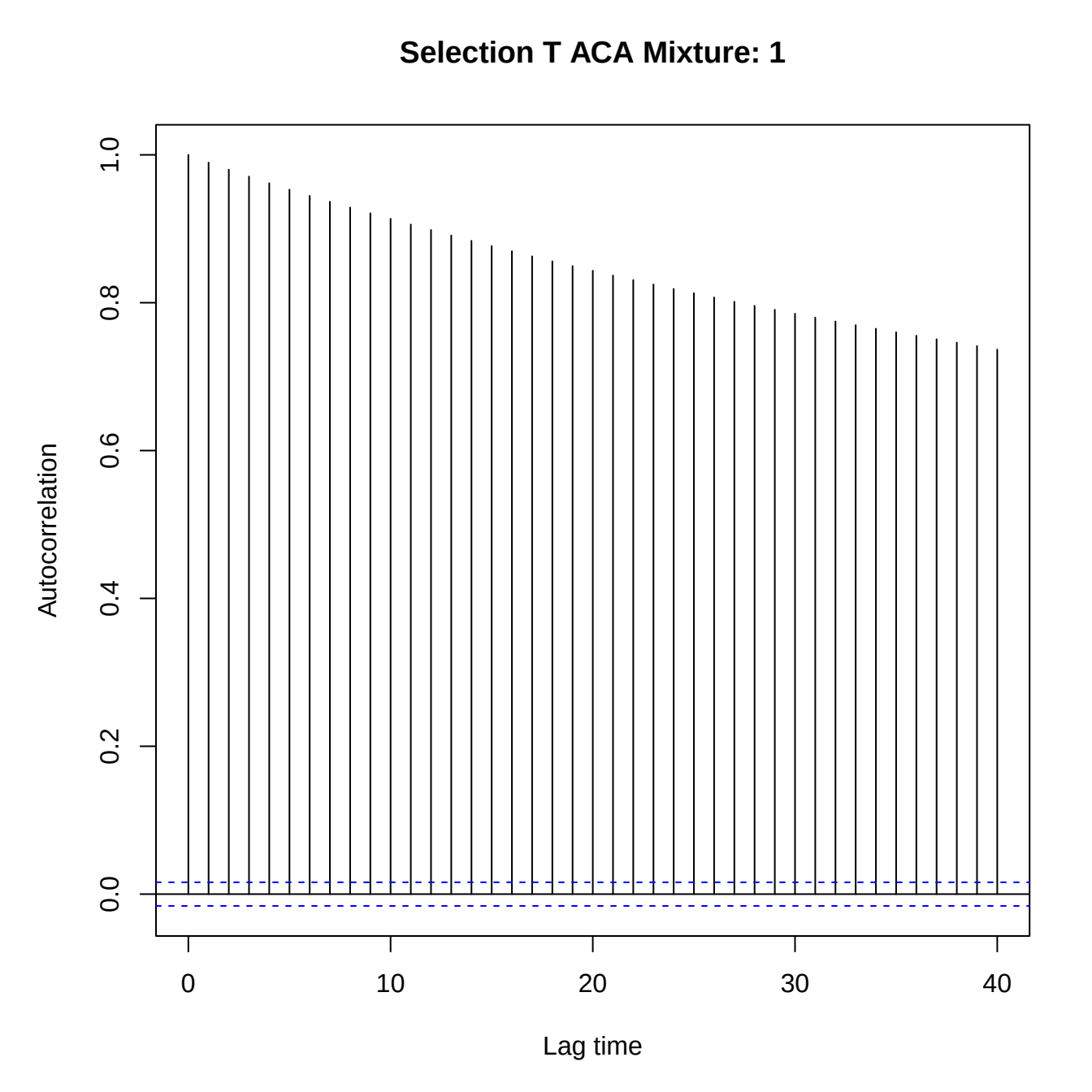

Selection R CGC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

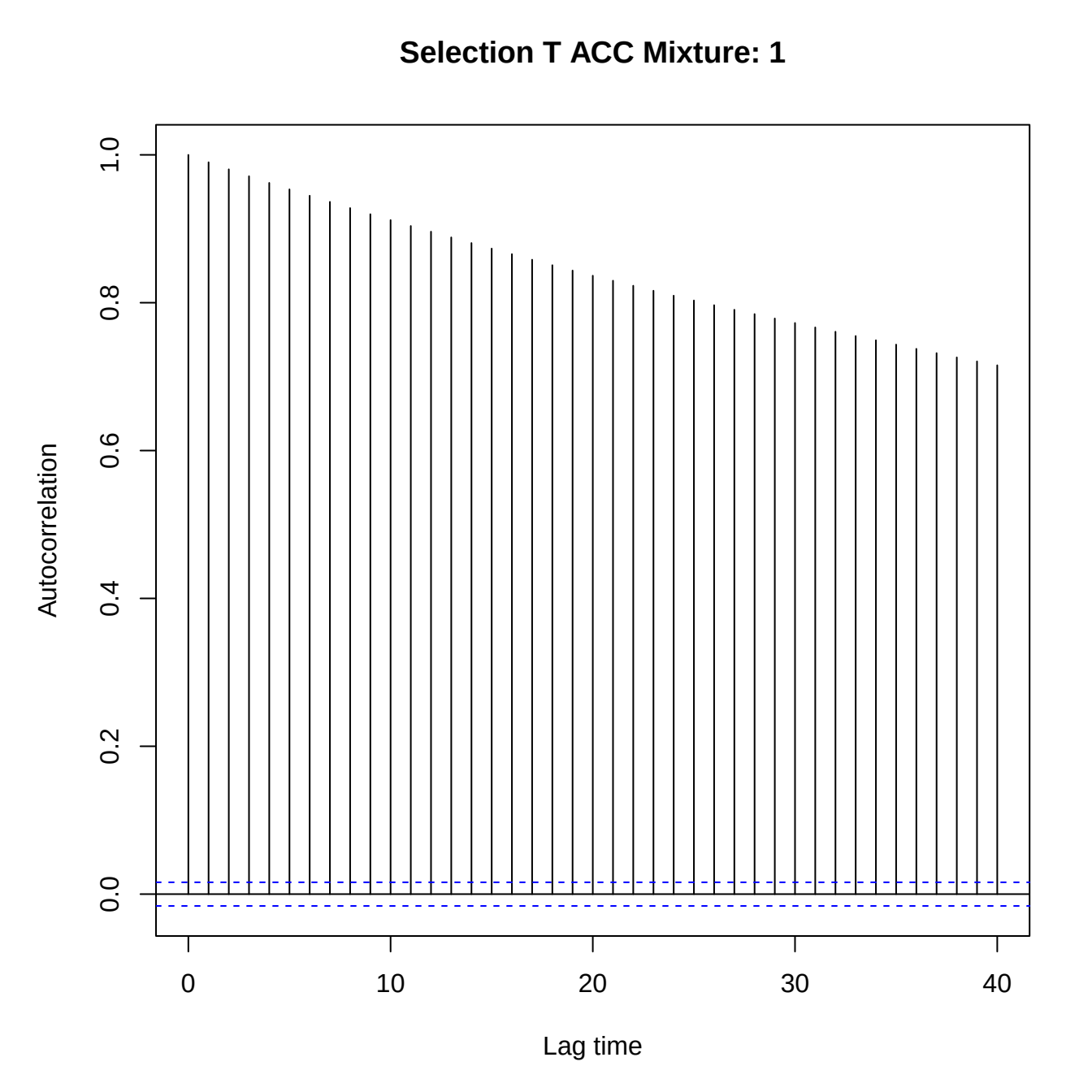

Selection R CGG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

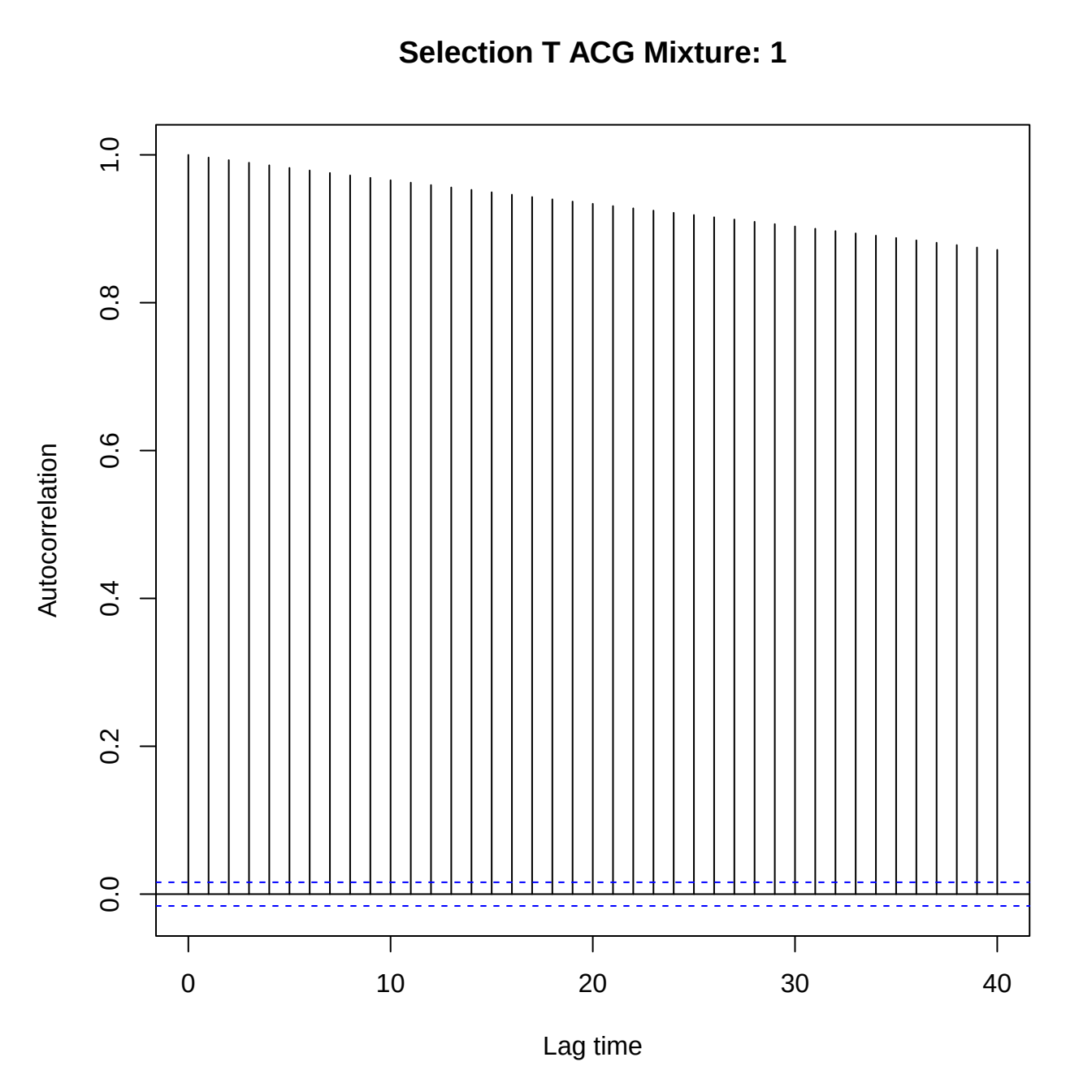

Selection S TCA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

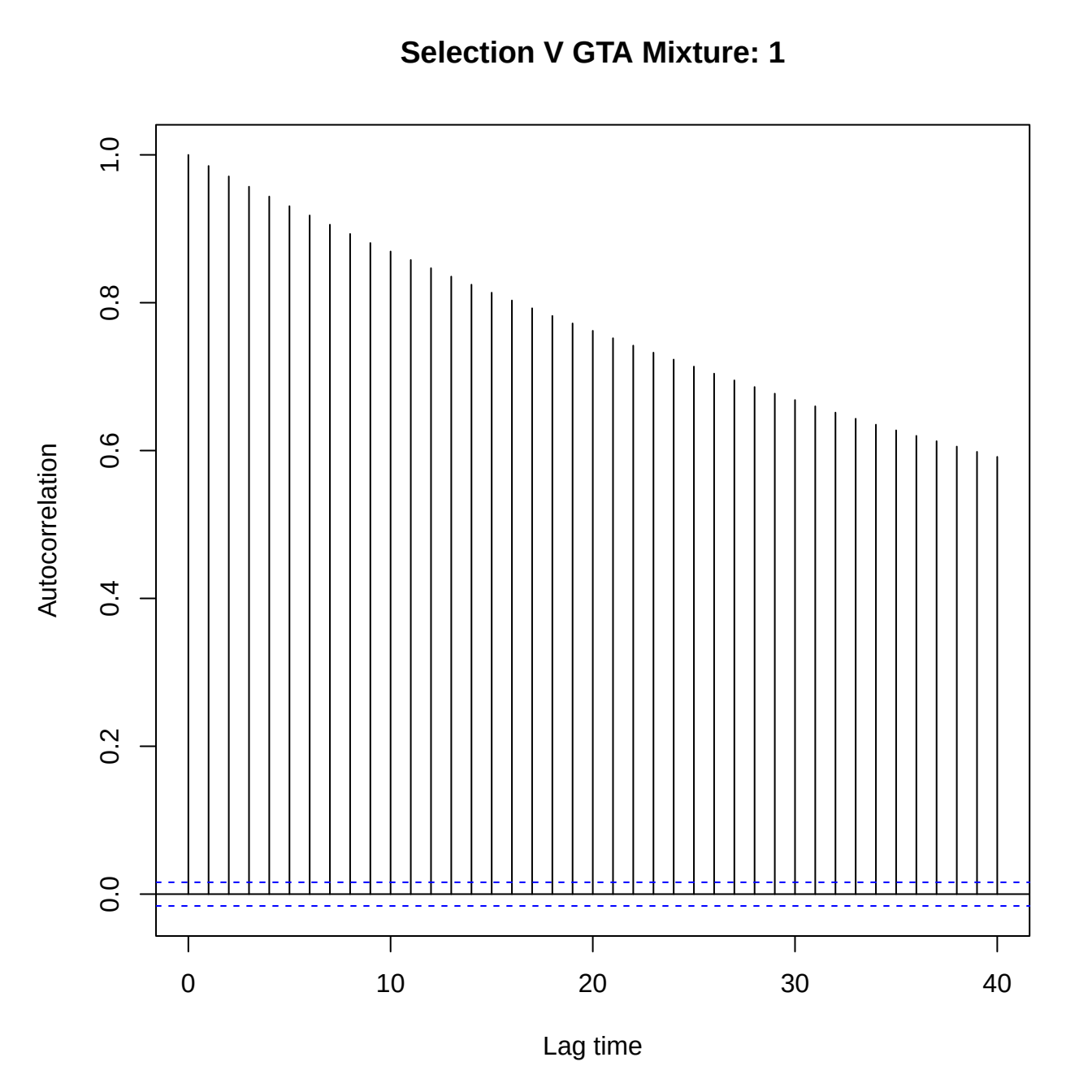

Selection S TCC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time

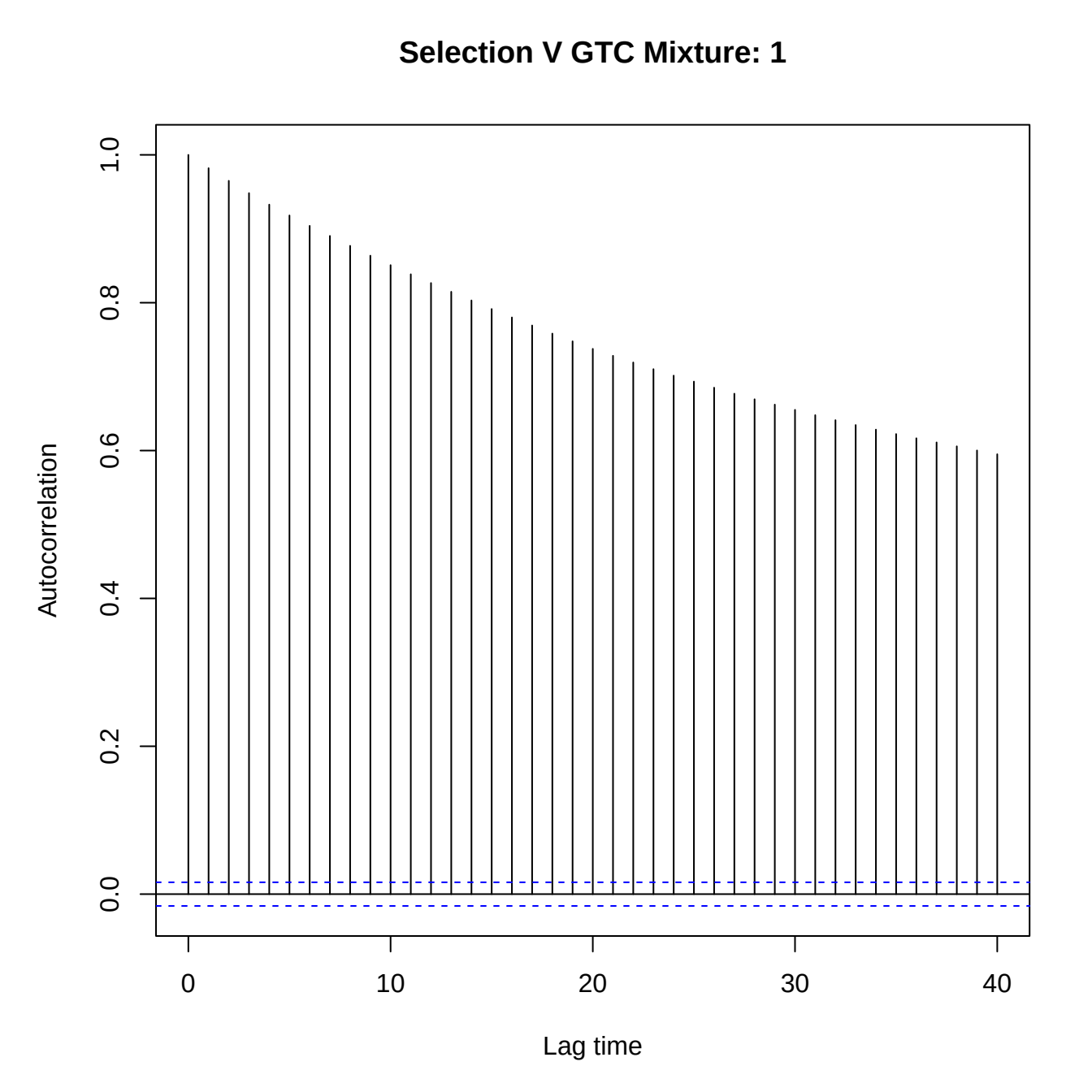

Selection S TCG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Selection T ACA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Selection T ACC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Selection T ACG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Selection V GTA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Selection V GTC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
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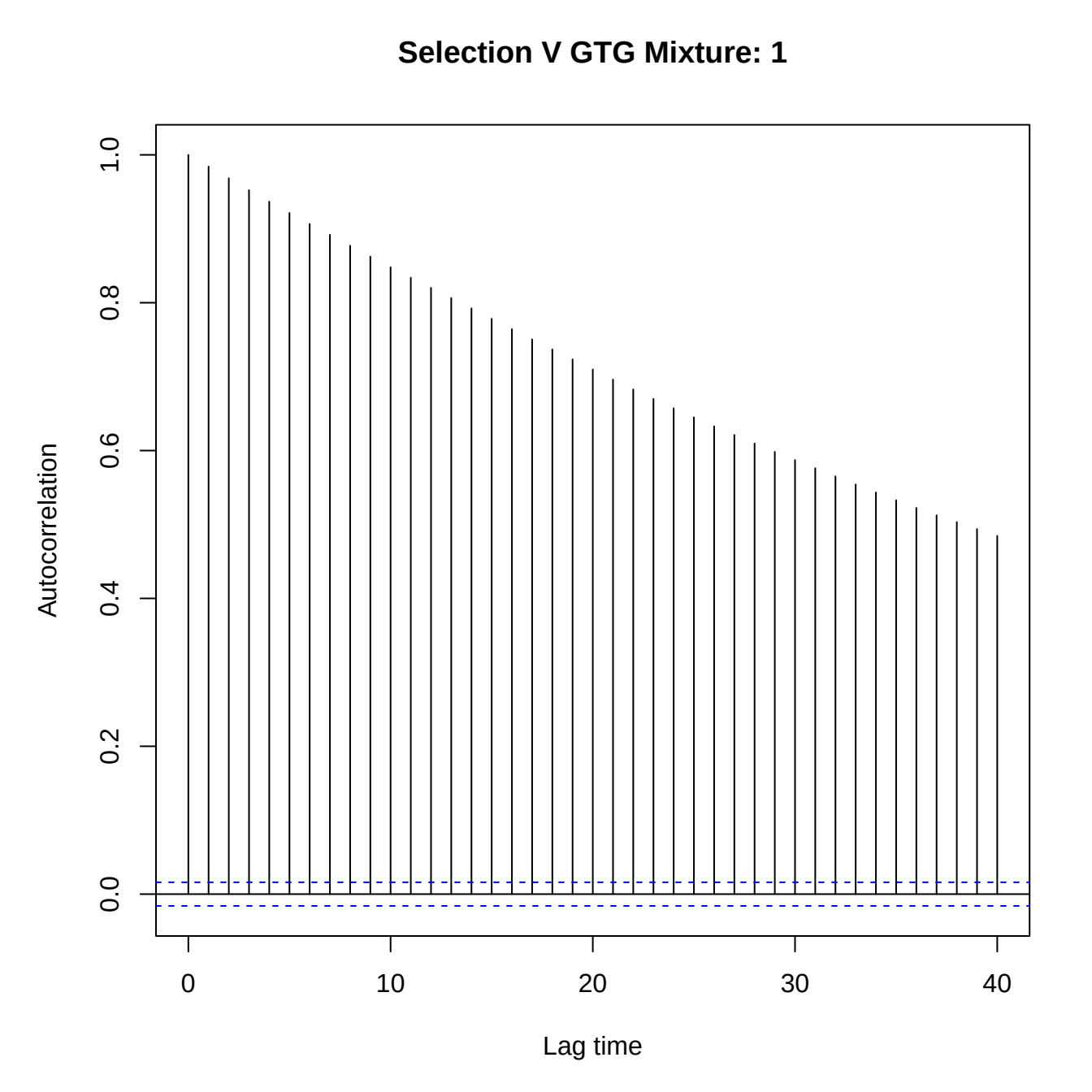
20
30
40
Lag time


Selection V GTG Mixture: 1
Autocorrelation
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0.4
0.6
0.8
1.0
0
10
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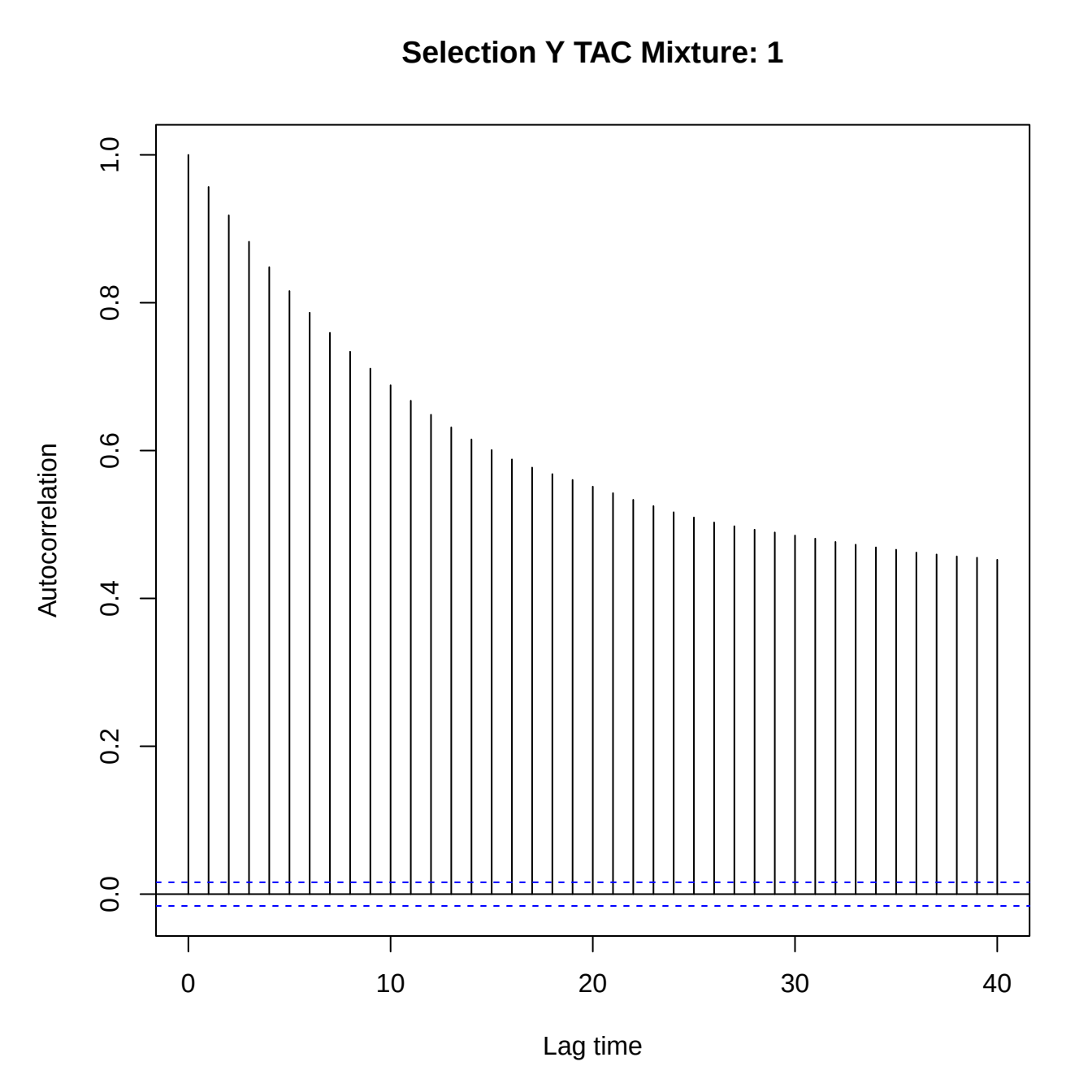
30
40
Lag time


Selection Y TAC Mixture: 1
Autocorrelation
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0.4
0.6
0.8
1.0
0
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20
30
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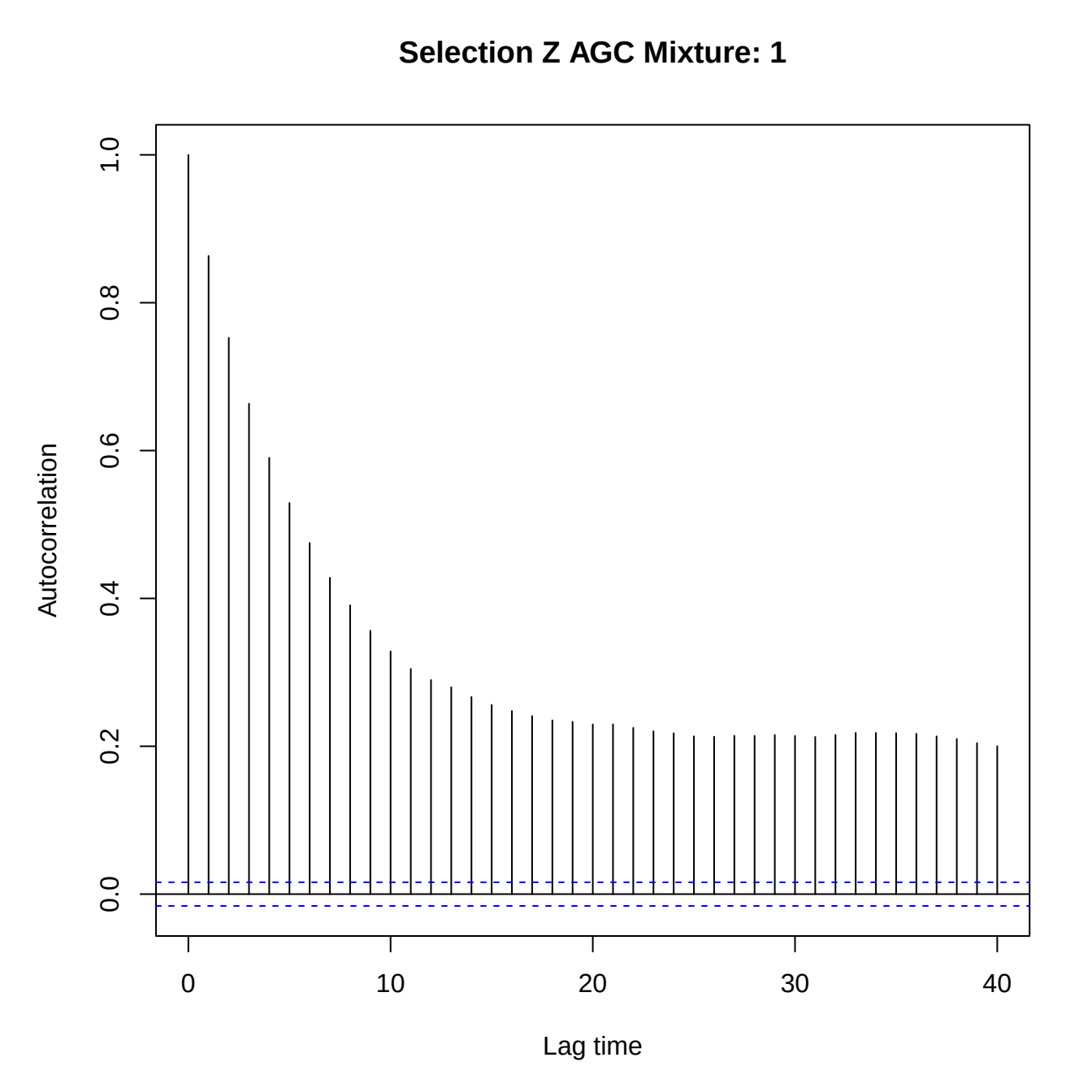
Lag time


Selection Z AGC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
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30
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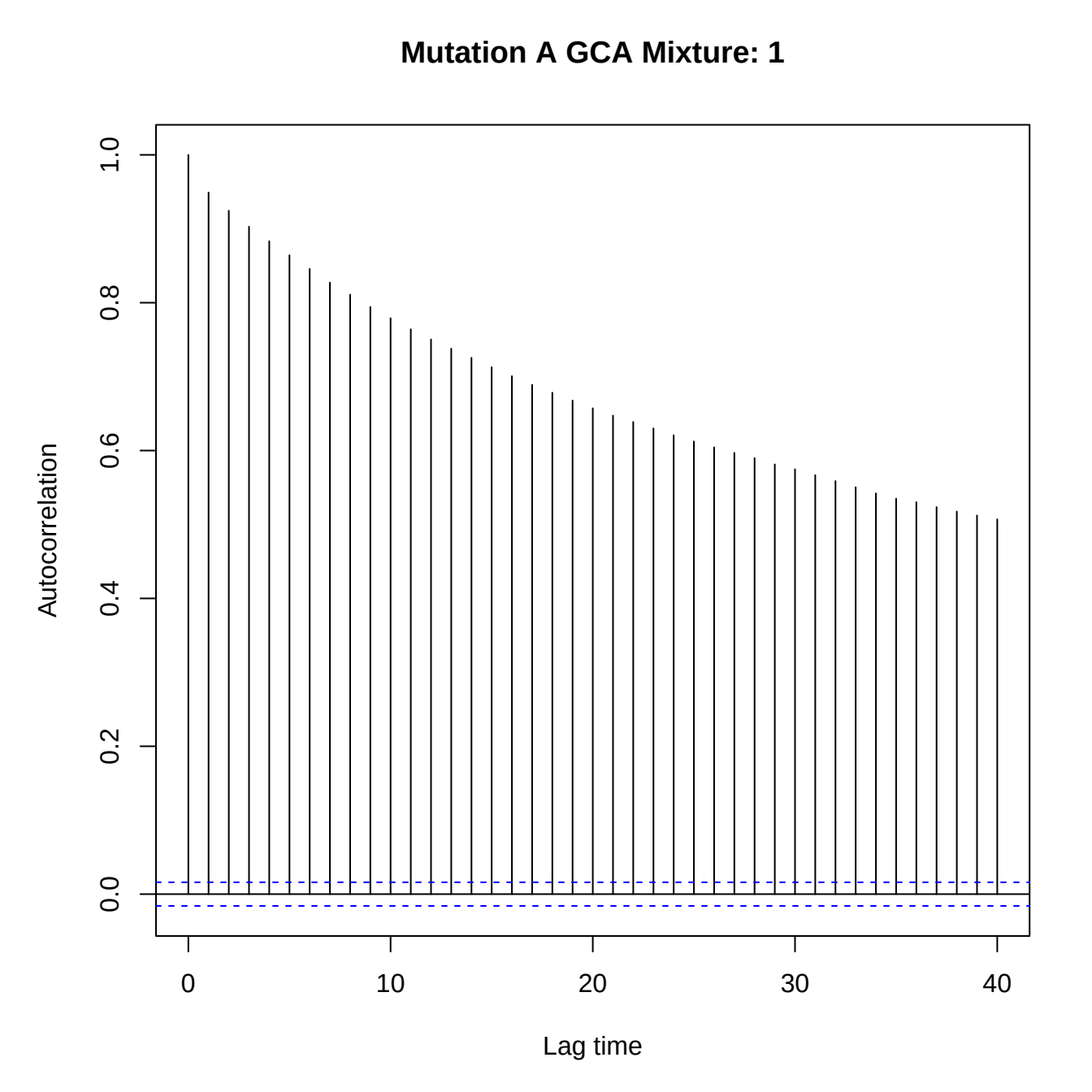
Lag time


Mutation A GCA Mixture: 1
Autocorrelation
0.0
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0.4
0.6
0.8
1.0
0
10
20
30
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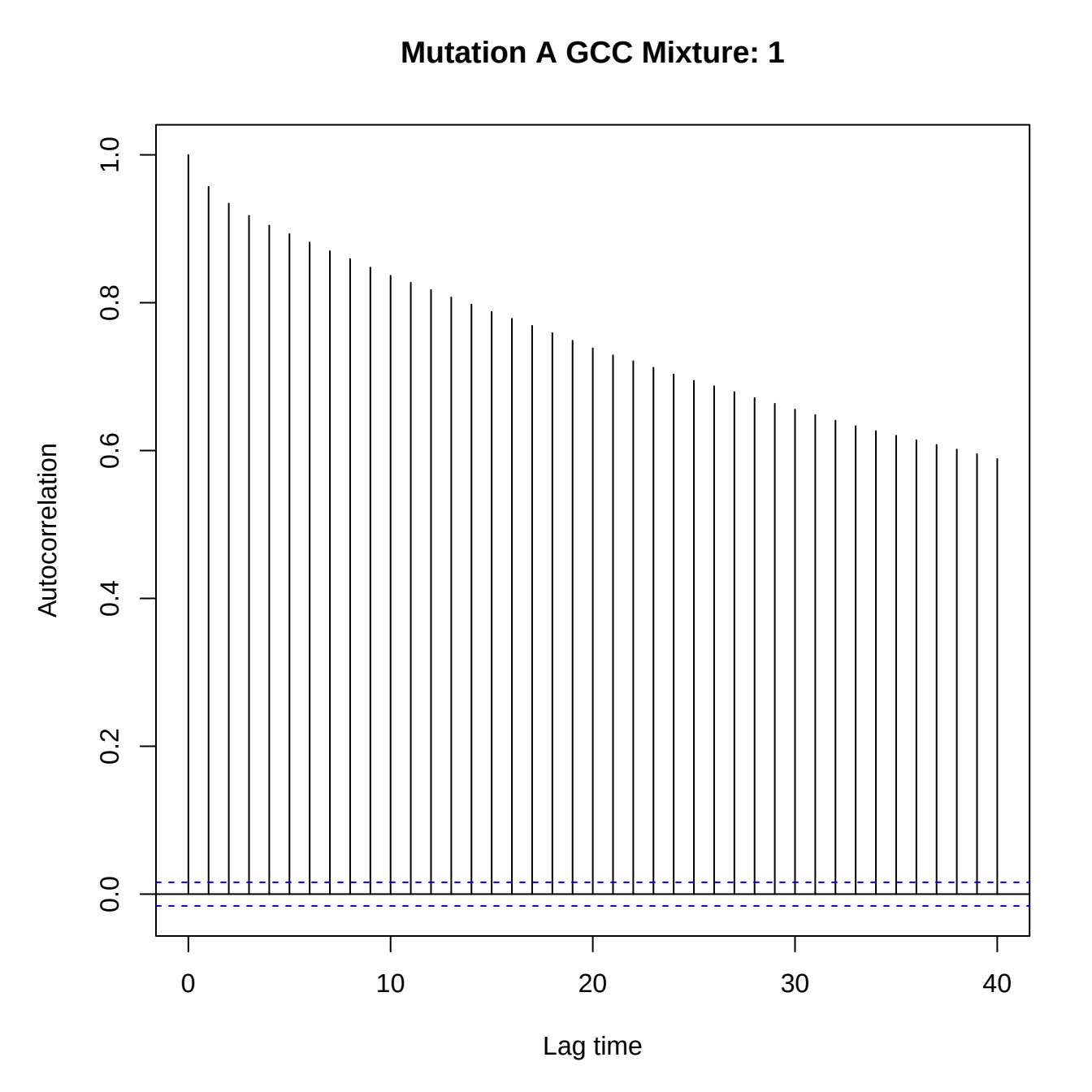
Lag time


Mutation A GCC Mixture: 1
Autocorrelation
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0.2
0.4
0.6
0.8
1.0
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30
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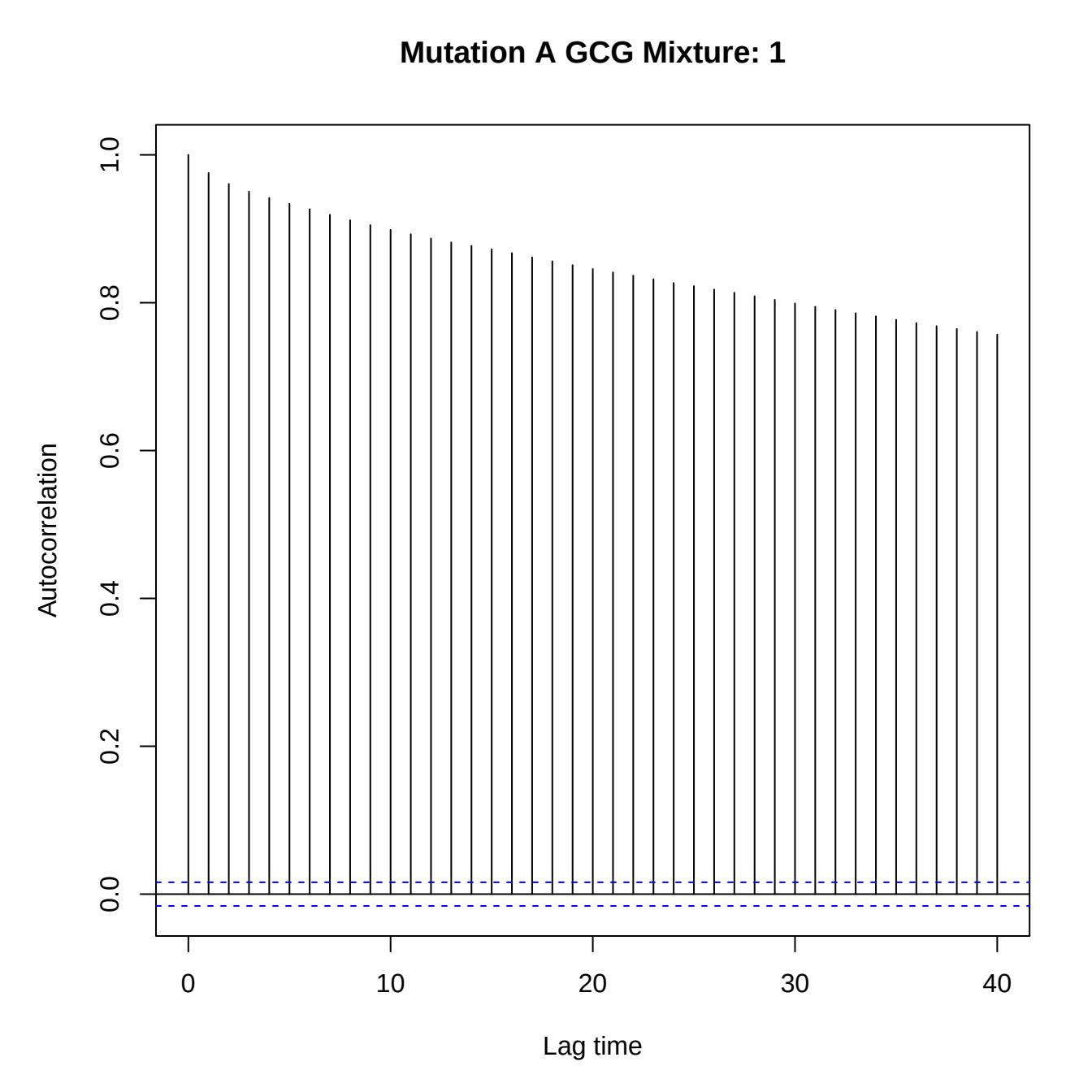
Lag time


Mutation A GCG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
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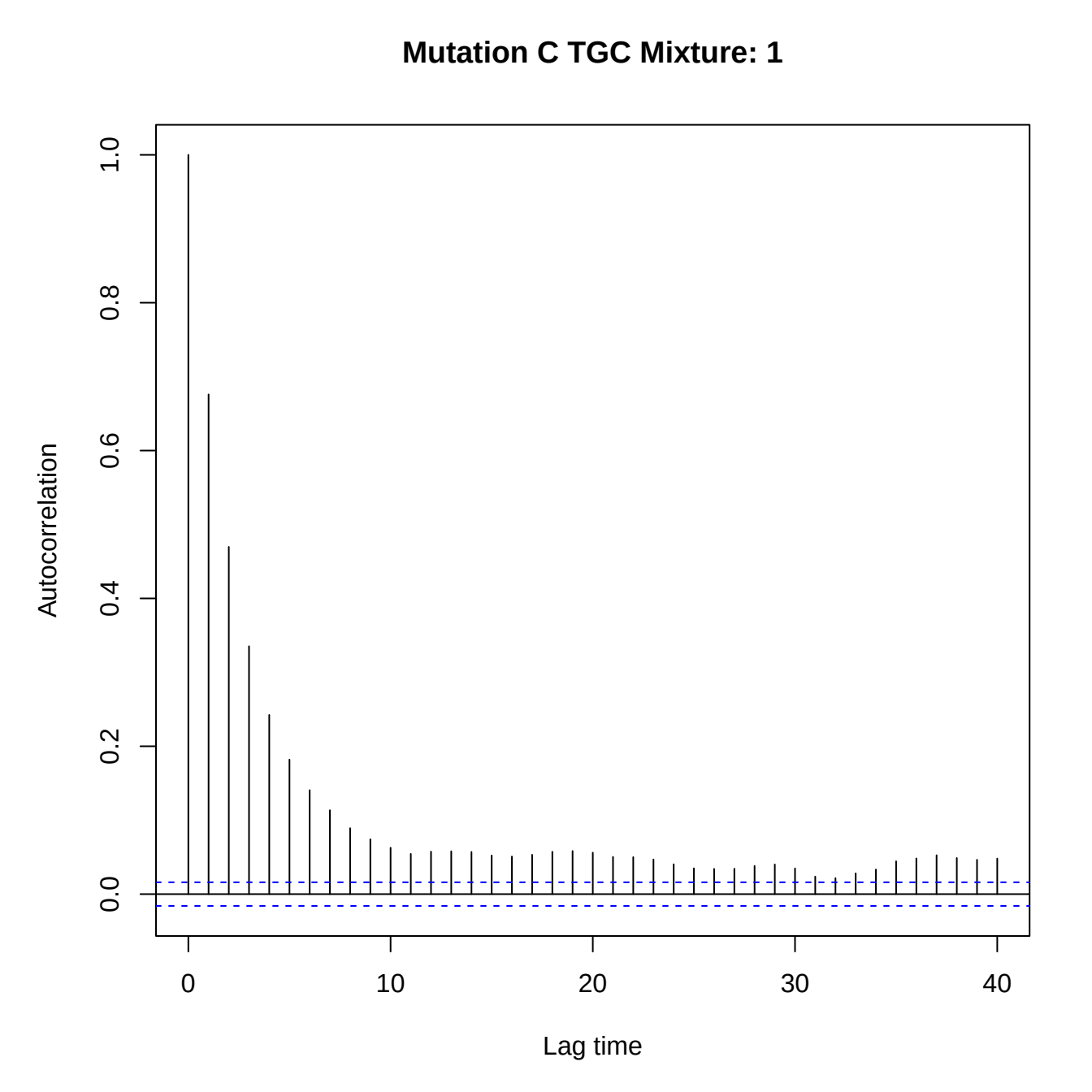
Lag time


Mutation C TGC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
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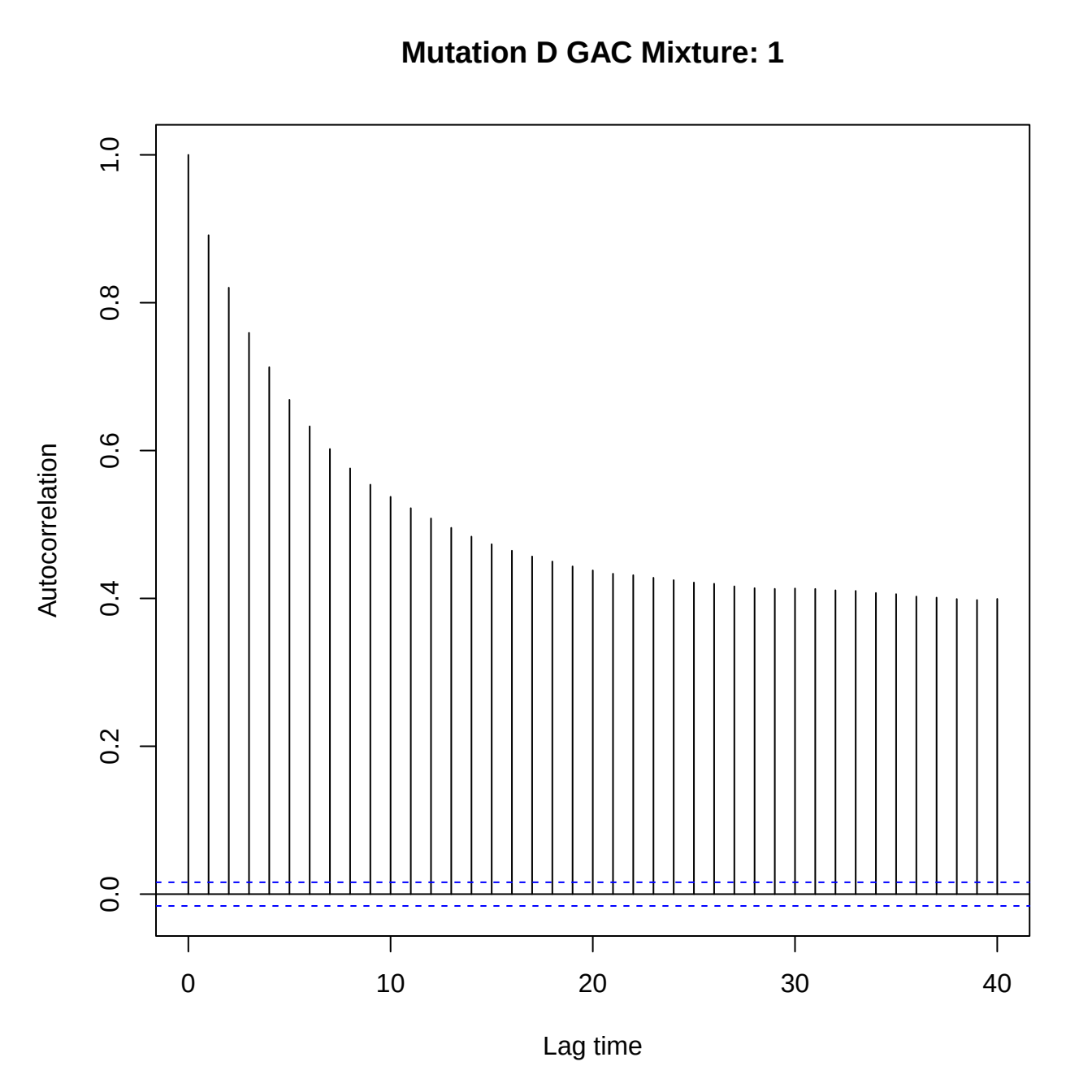
Lag time


Mutation D GAC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
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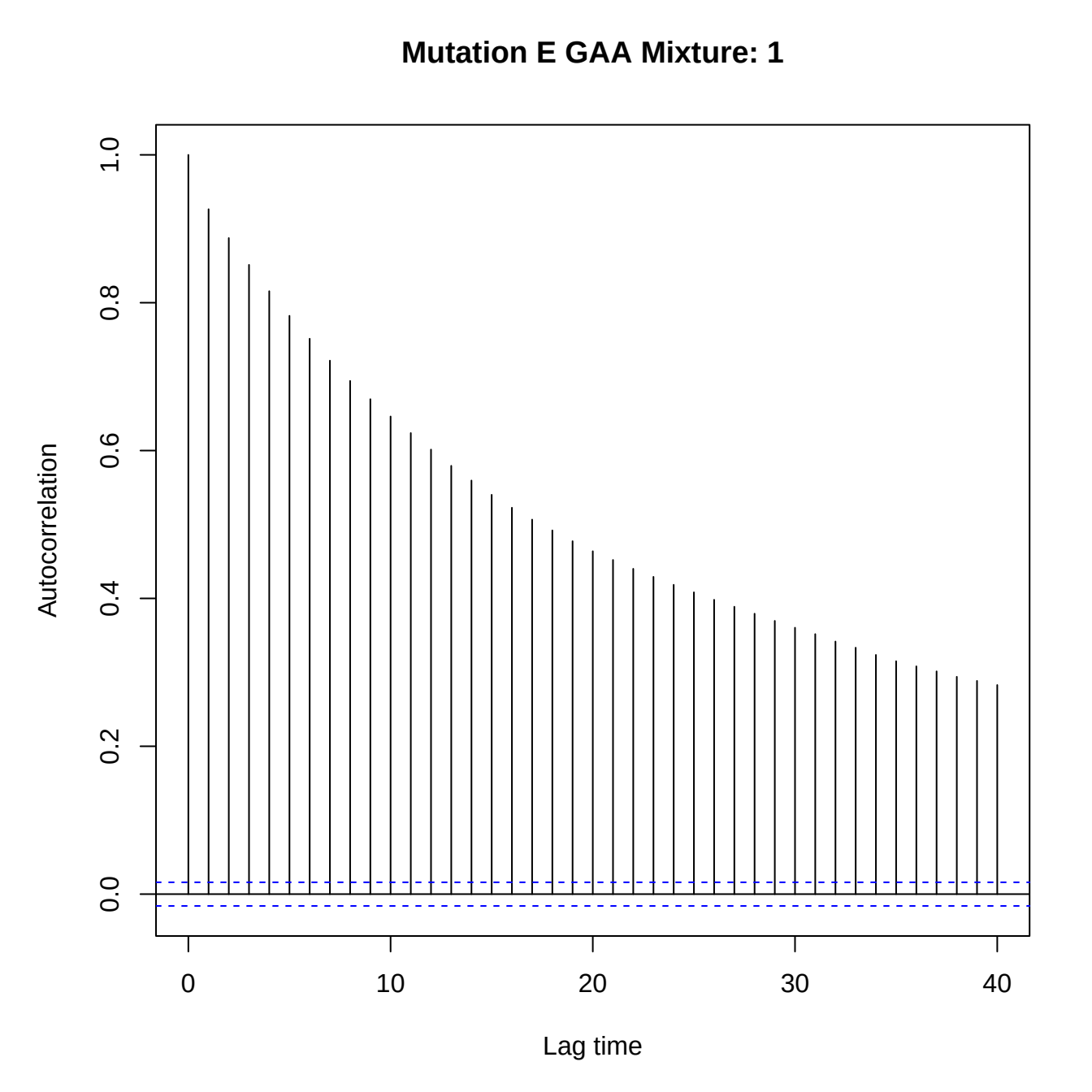
Lag time


Mutation E GAA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
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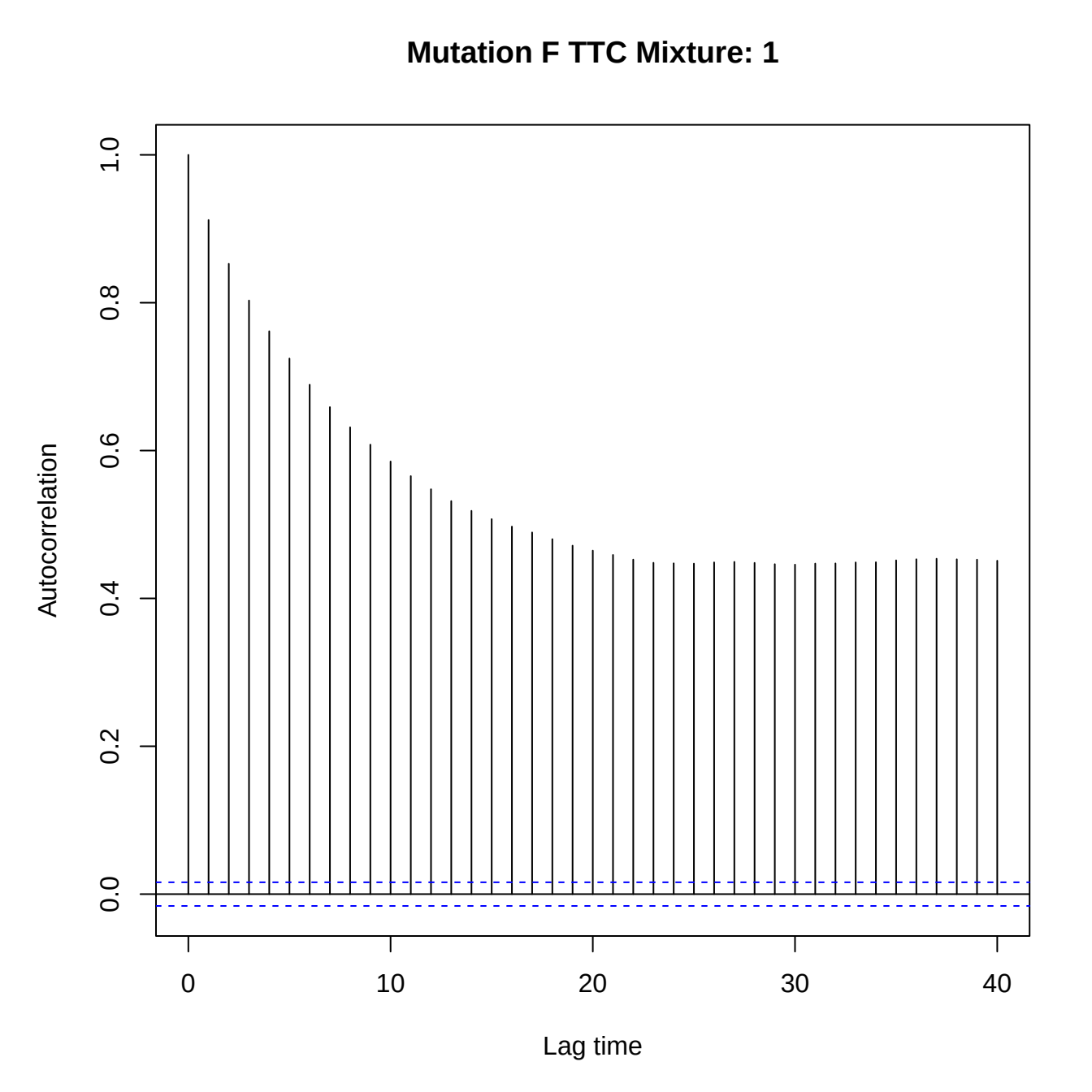
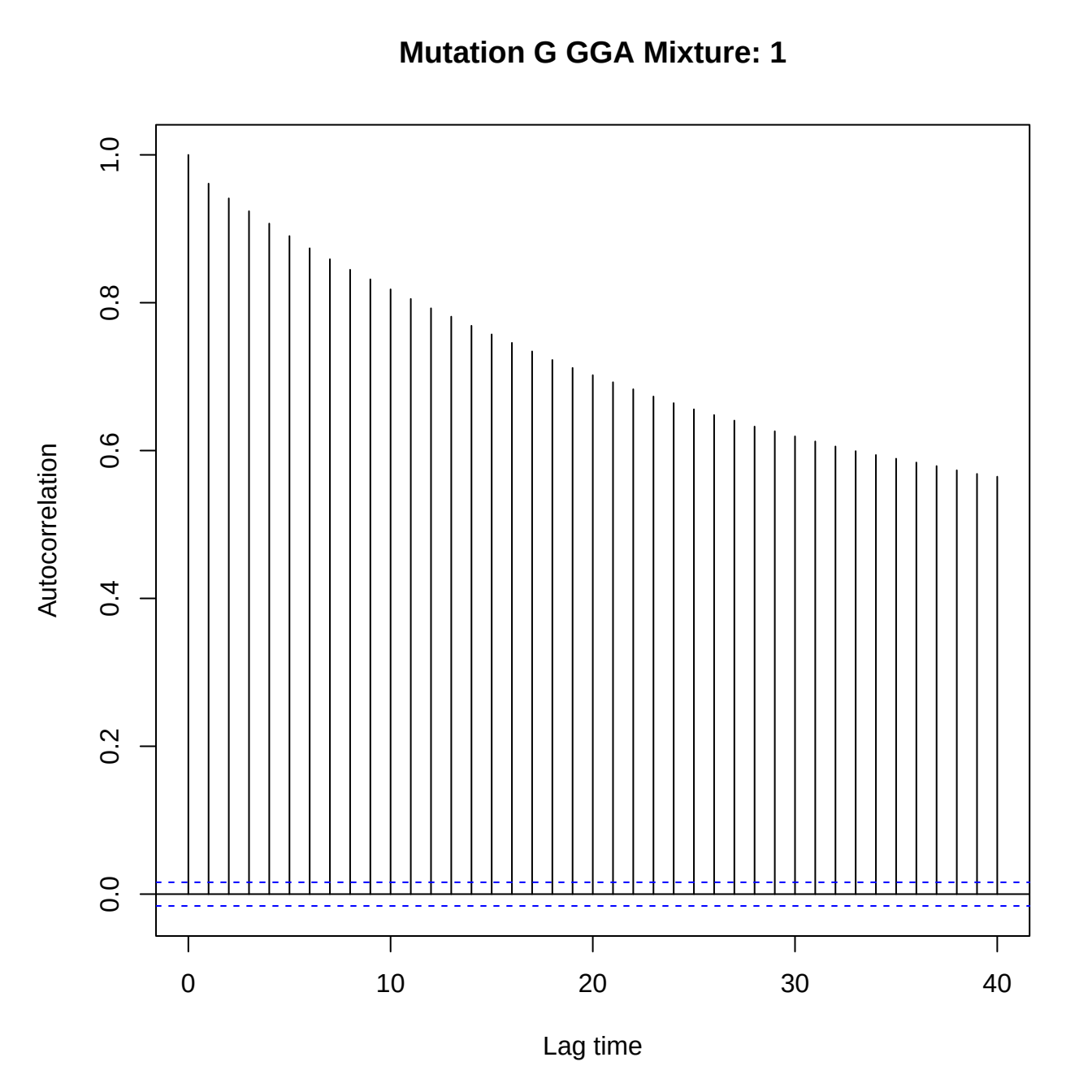
30
40
Lag time


Mutation F TTC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation G GGA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
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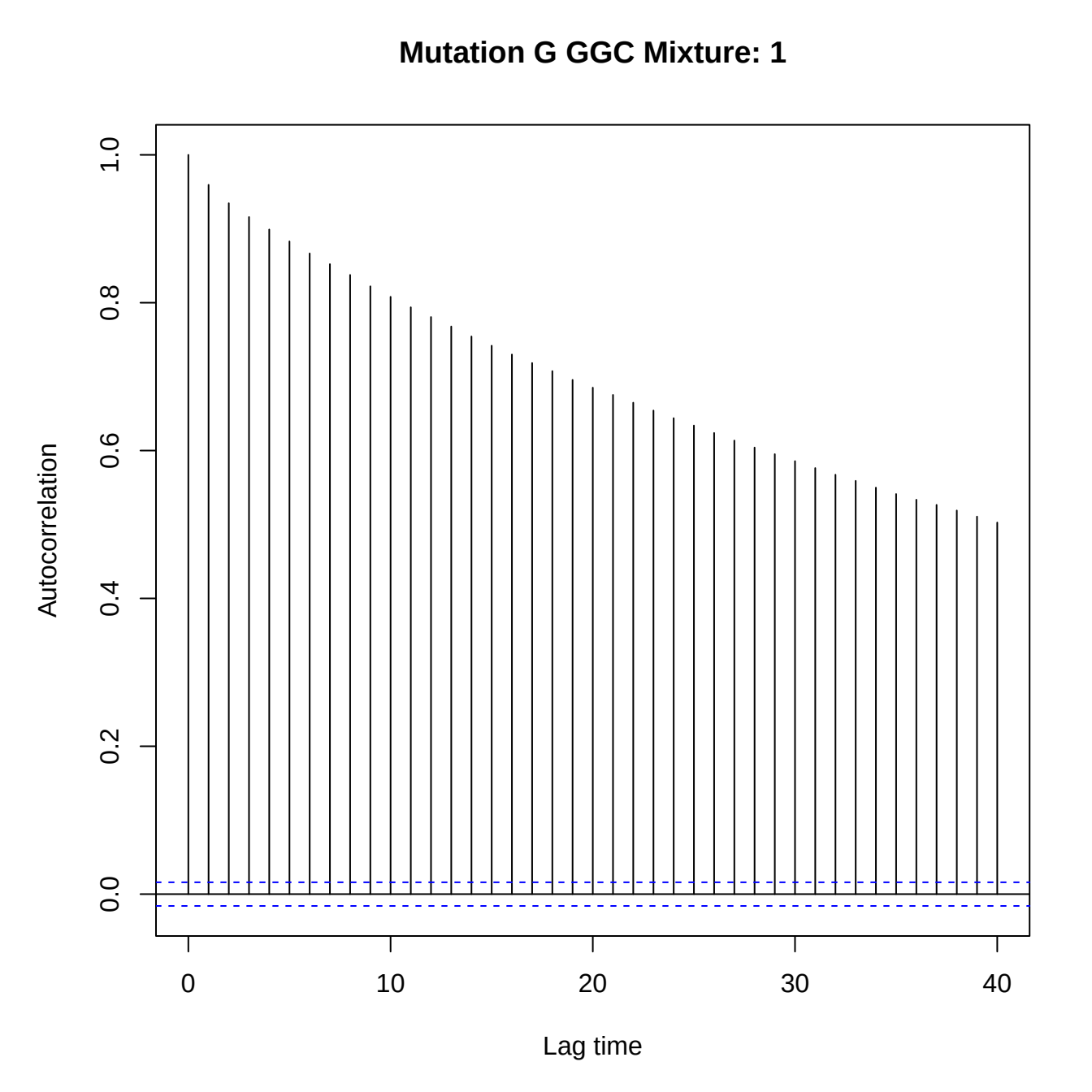
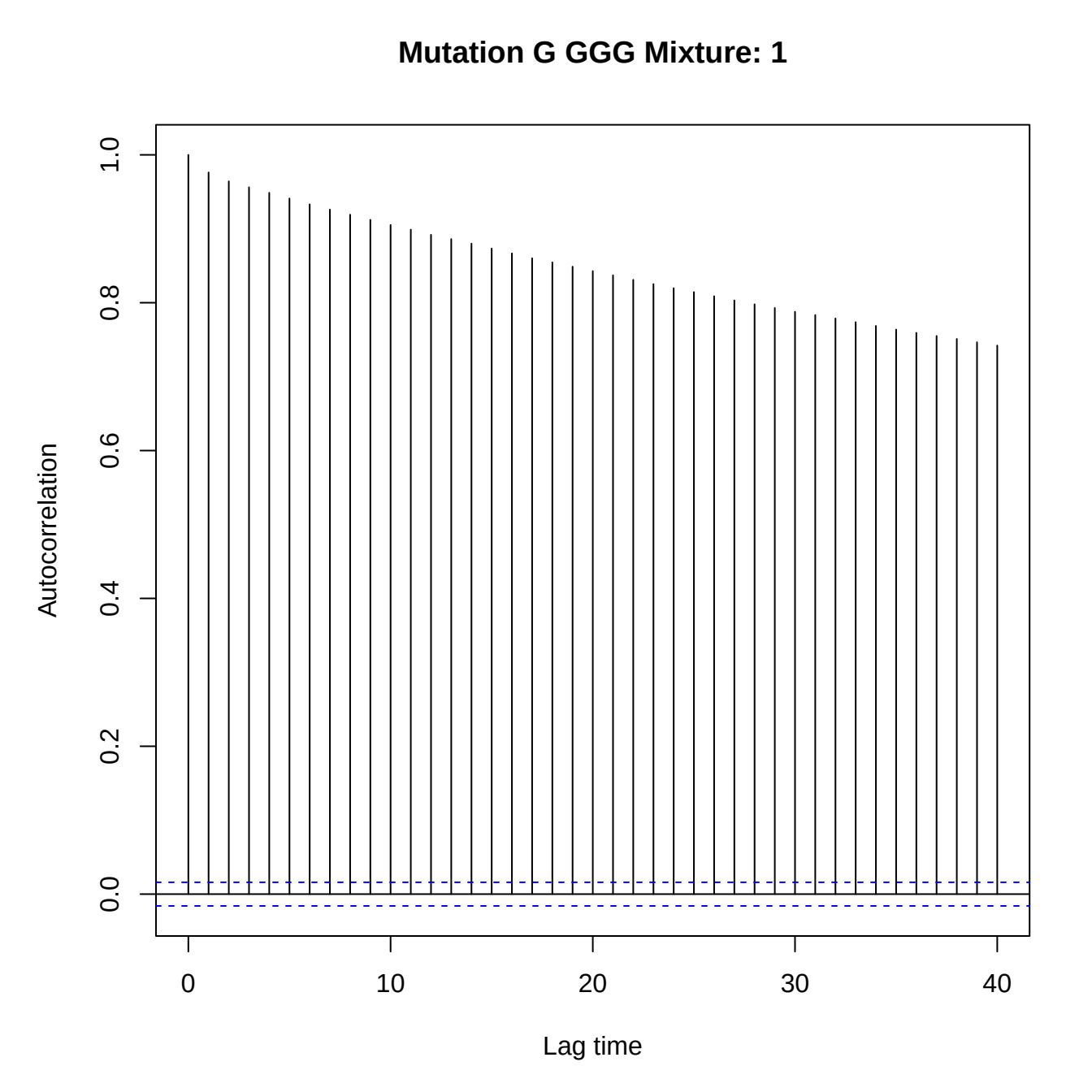
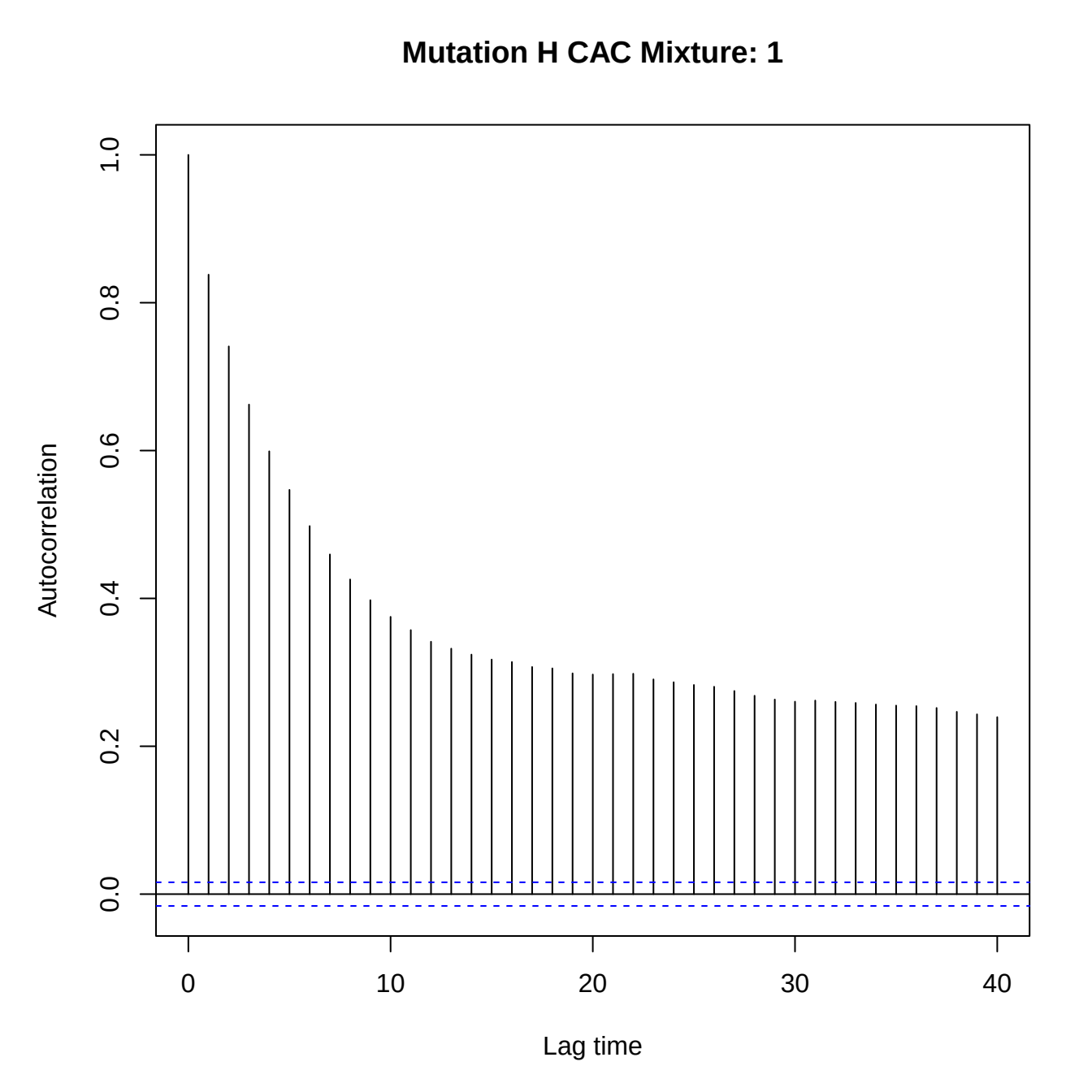
30
40
Lag time


Mutation G GGC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation G GGG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation H CAC Mixture: 1
Autocorrelation
0.0
0.2
0.4
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0.8
1.0
0
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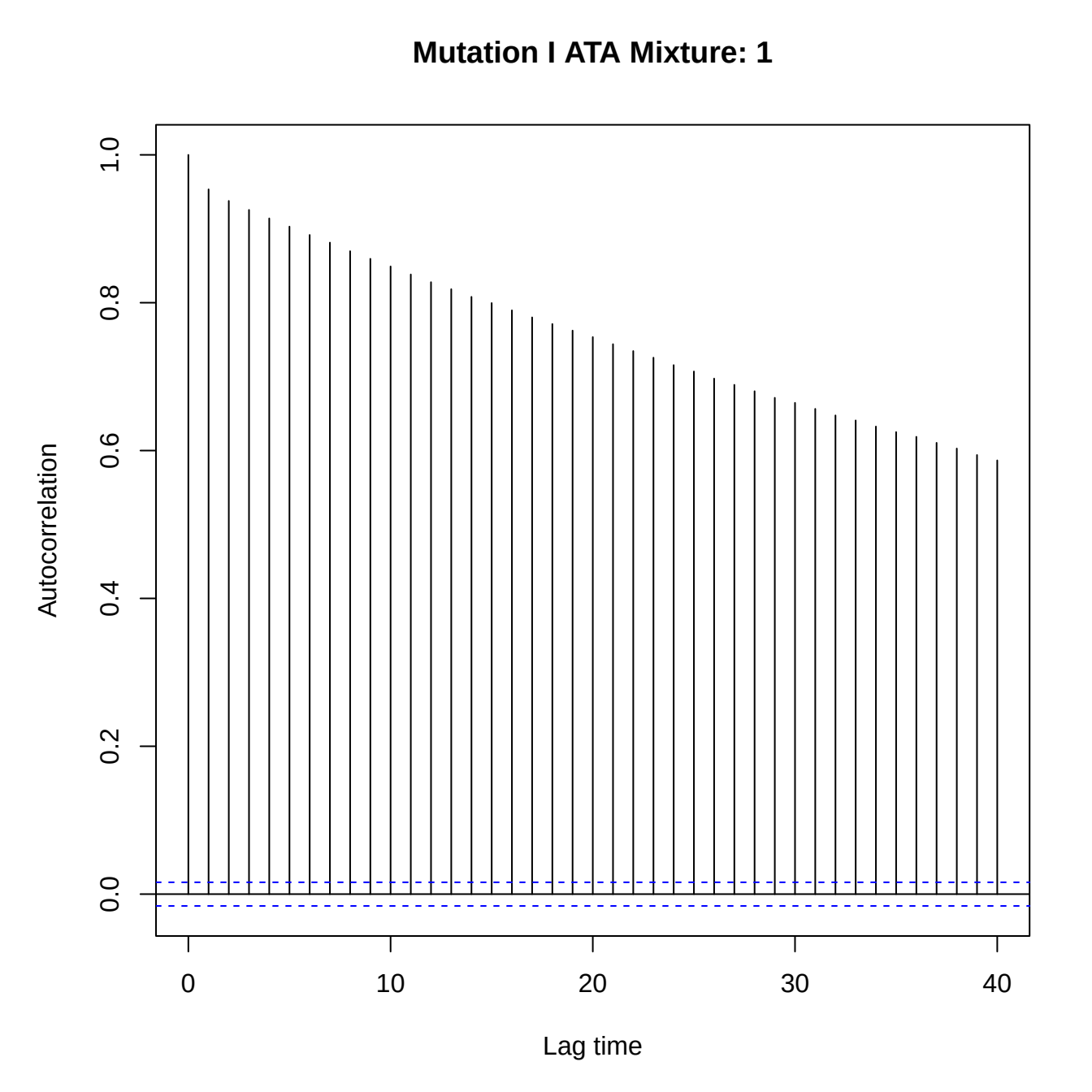
30
40
Lag time


Mutation I ATA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
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30
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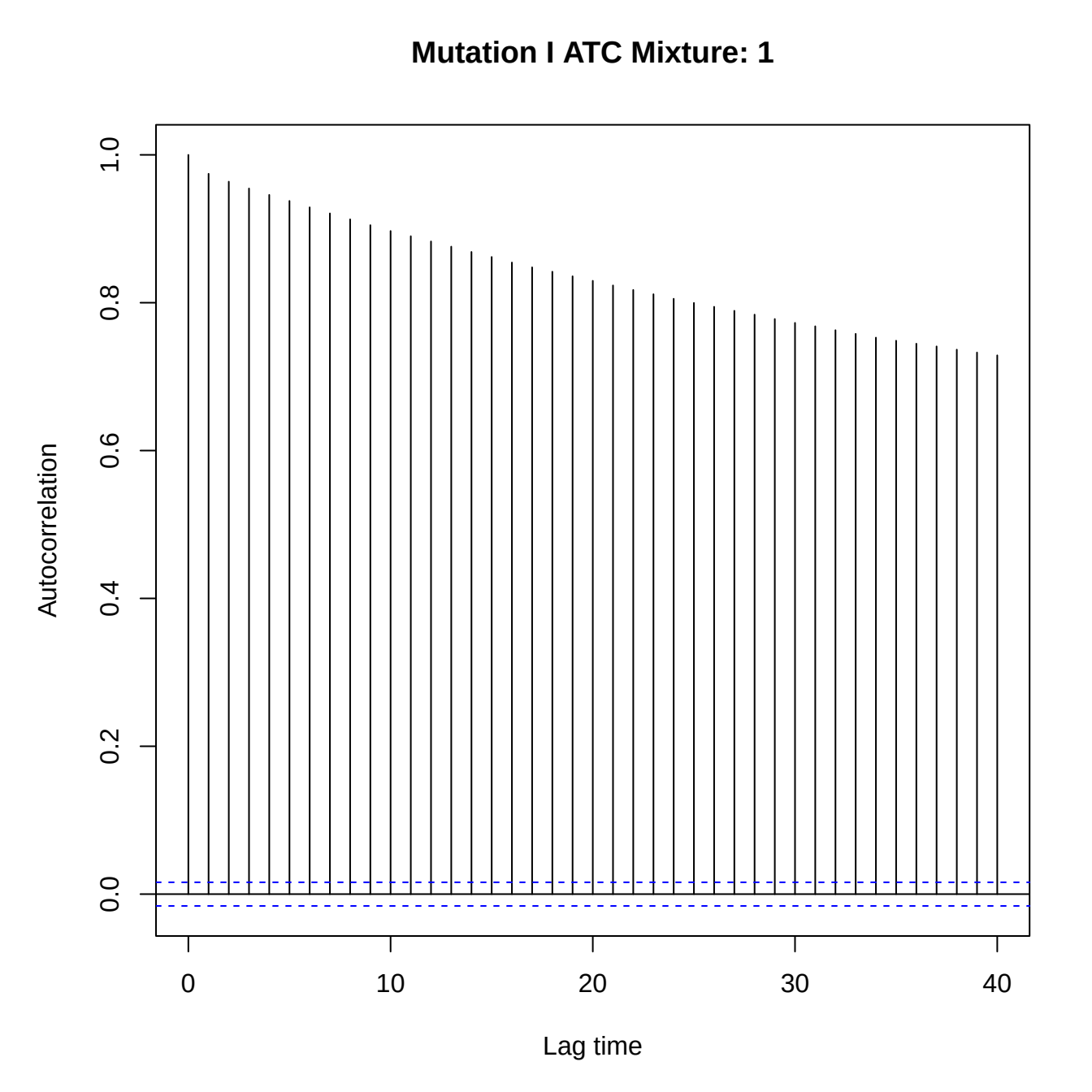
Lag time


Mutation I ATC Mixture: 1
Autocorrelation
0.0
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0.4
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0.8
1.0
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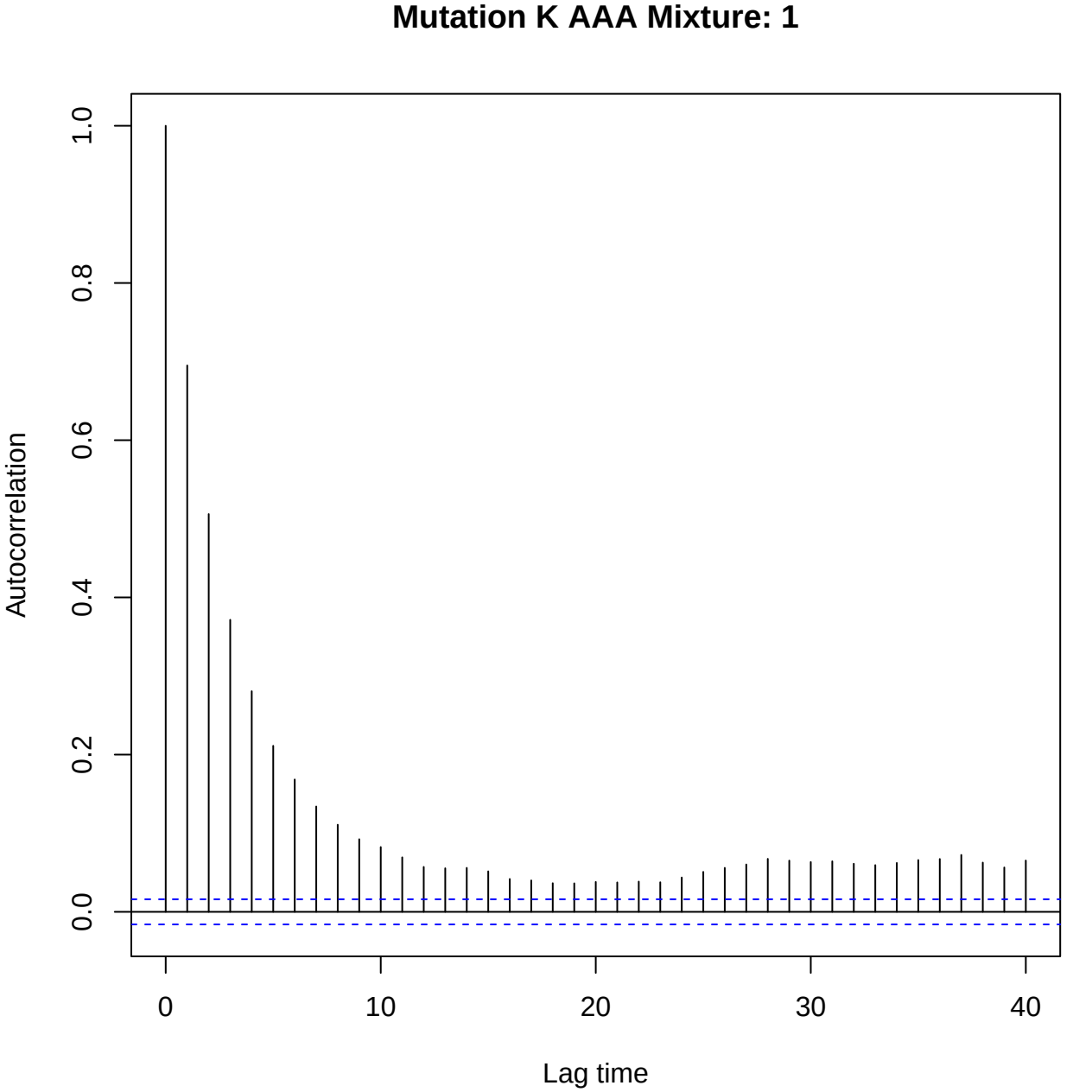
30
40
Lag time


Mutation K AAA Mixture: 1
Autocorrelation
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0.6
0.8
1.0
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30
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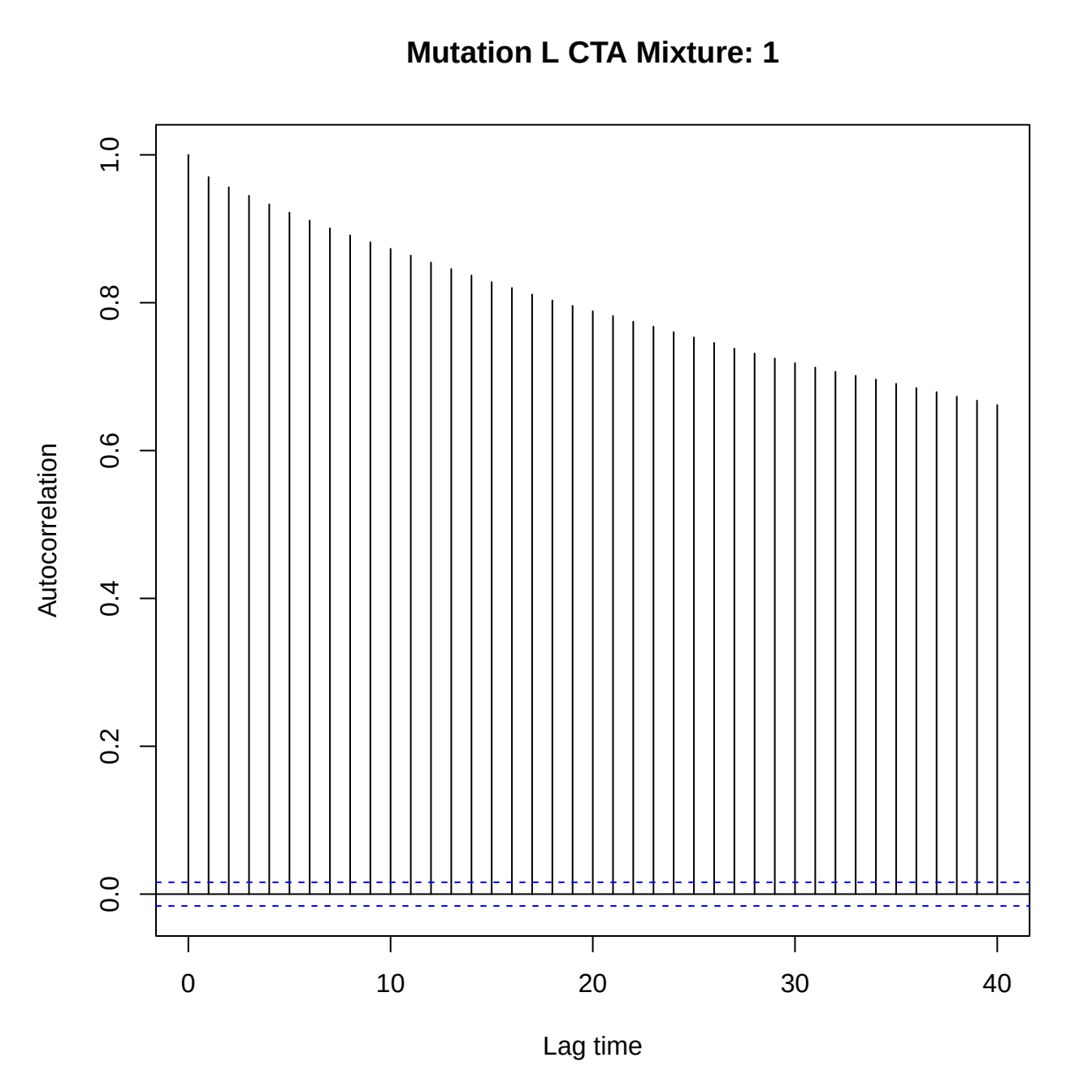
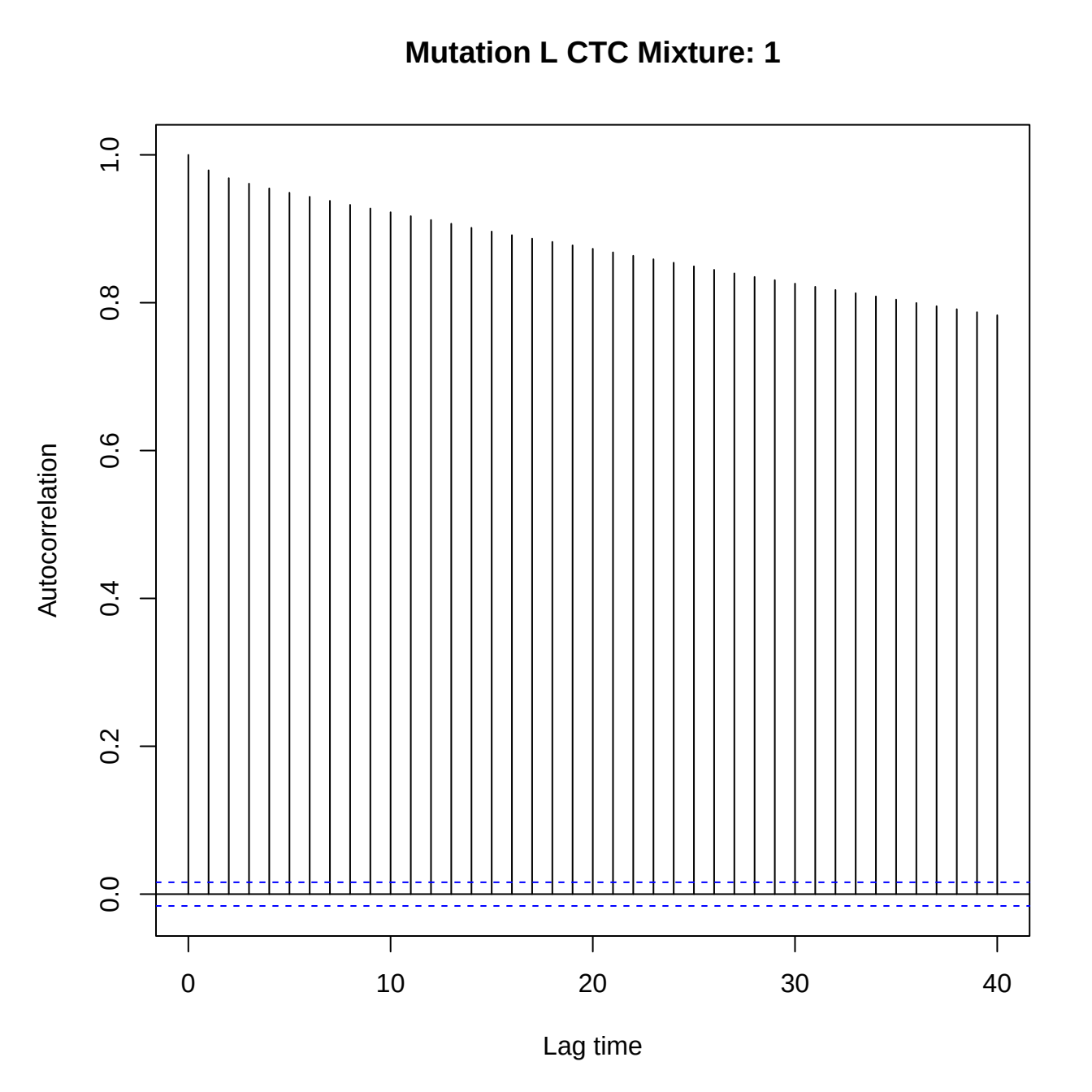
Lag time


Mutation L CTA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation L CTC Mixture: 1
Autocorrelation
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0.6
0.8
1.0
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30
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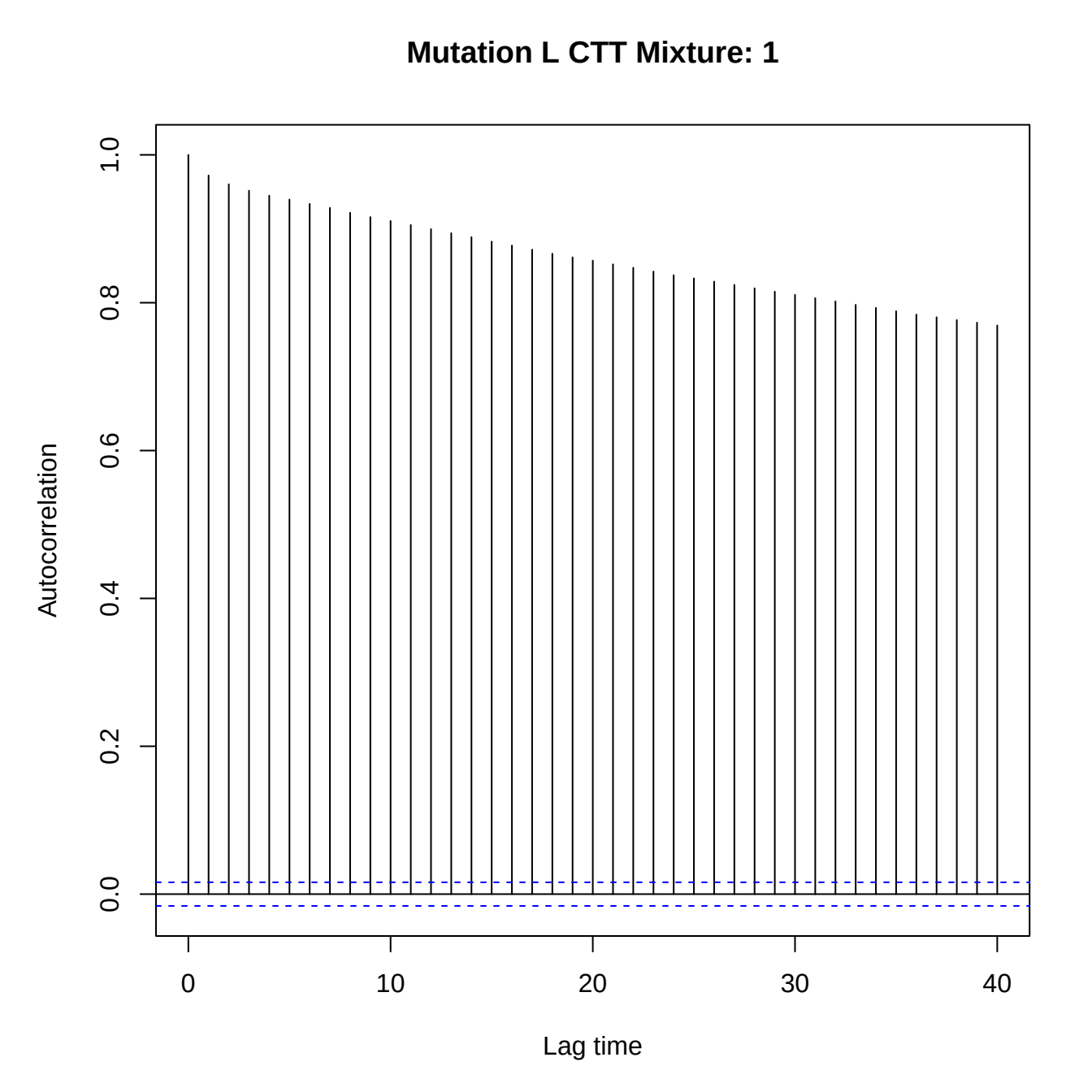
Lag time


Mutation L CTT Mixture: 1
Autocorrelation
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0.6
0.8
1.0
0
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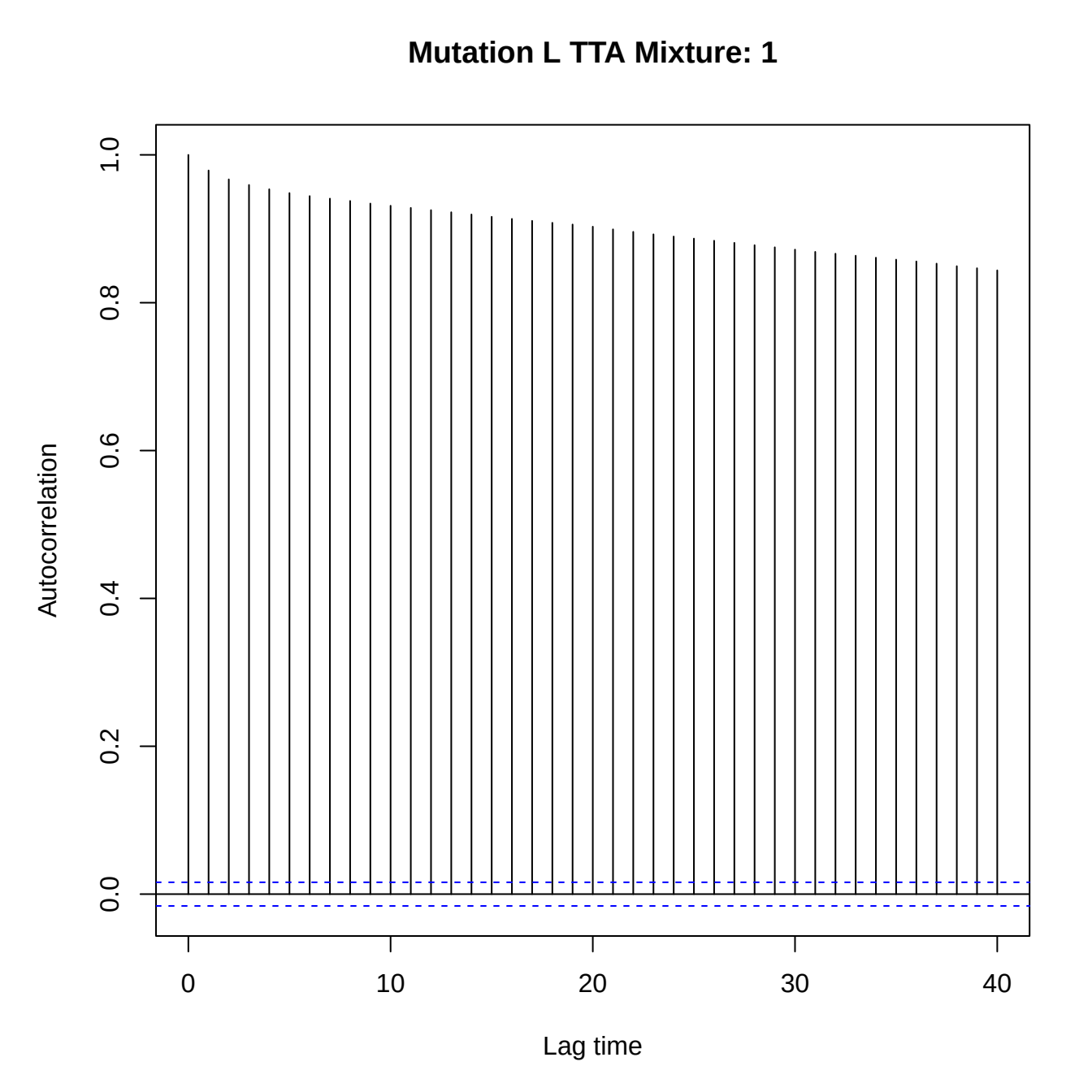
40
Lag time


Mutation L TTA Mixture: 1
Autocorrelation
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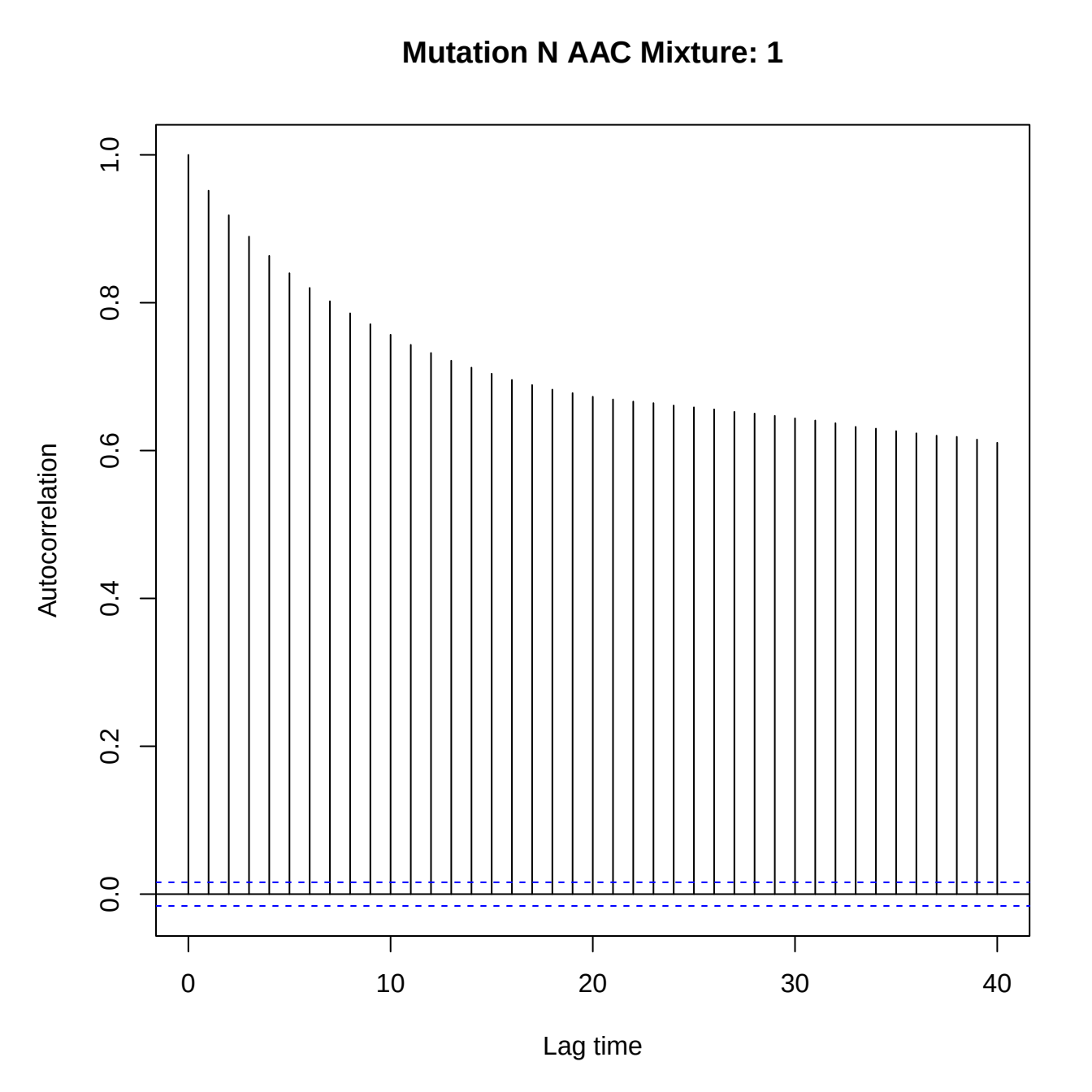
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation N AAC Mixture: 1
Autocorrelation
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0.4
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0.8
1.0
0
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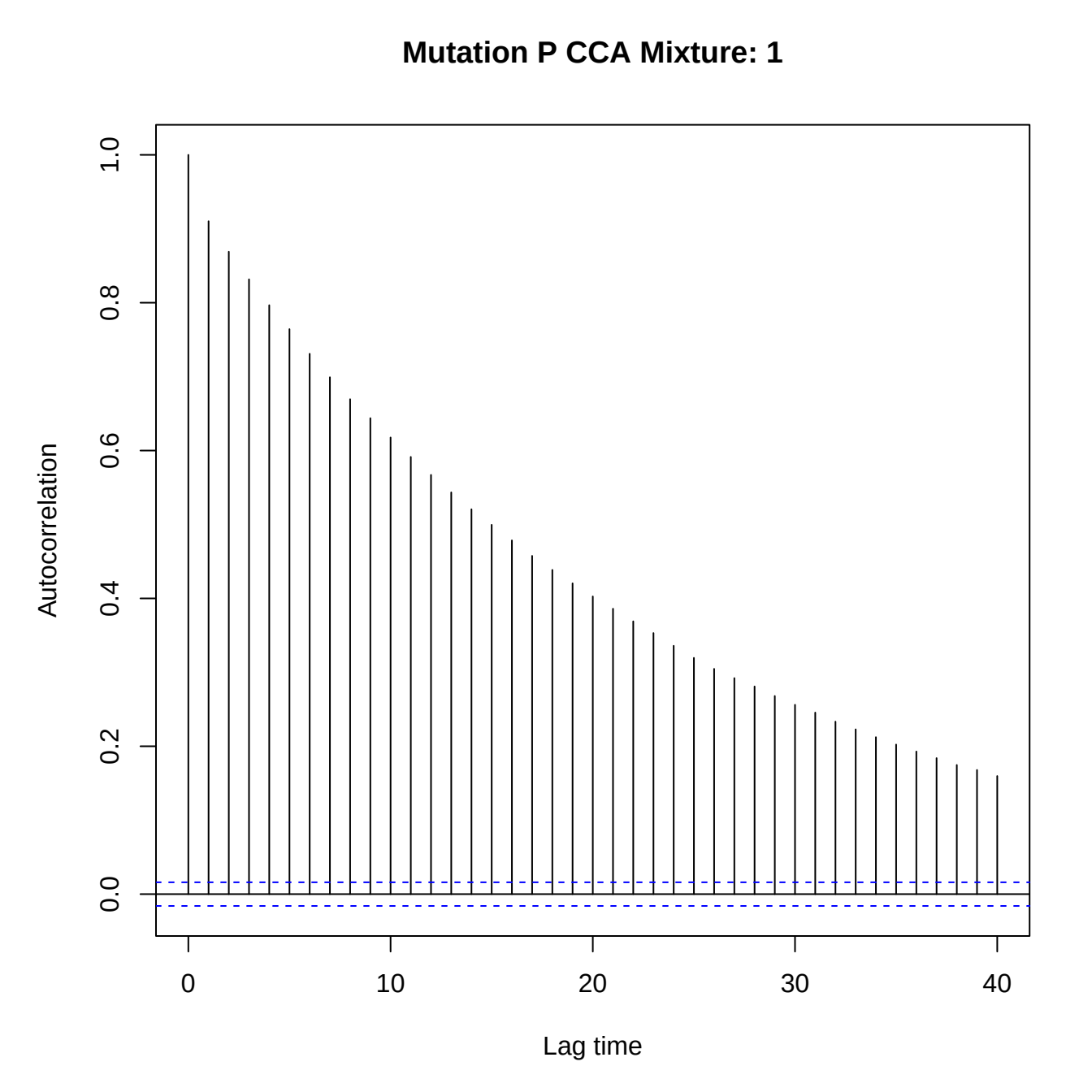
30
40
Lag time


Mutation P CCA Mixture: 1
Autocorrelation
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0.6
0.8
1.0
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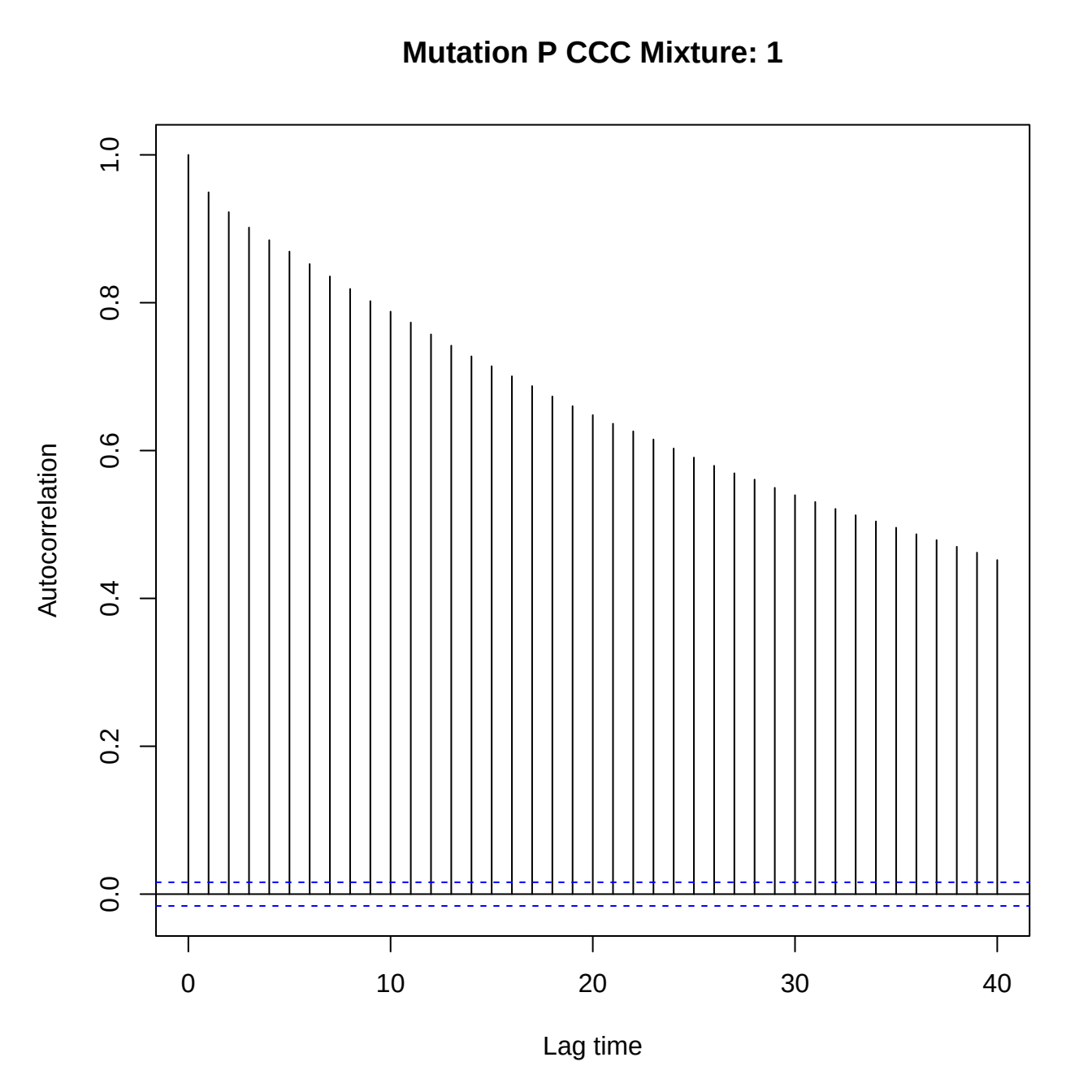
Lag time


Mutation P CCC Mixture: 1
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1.0
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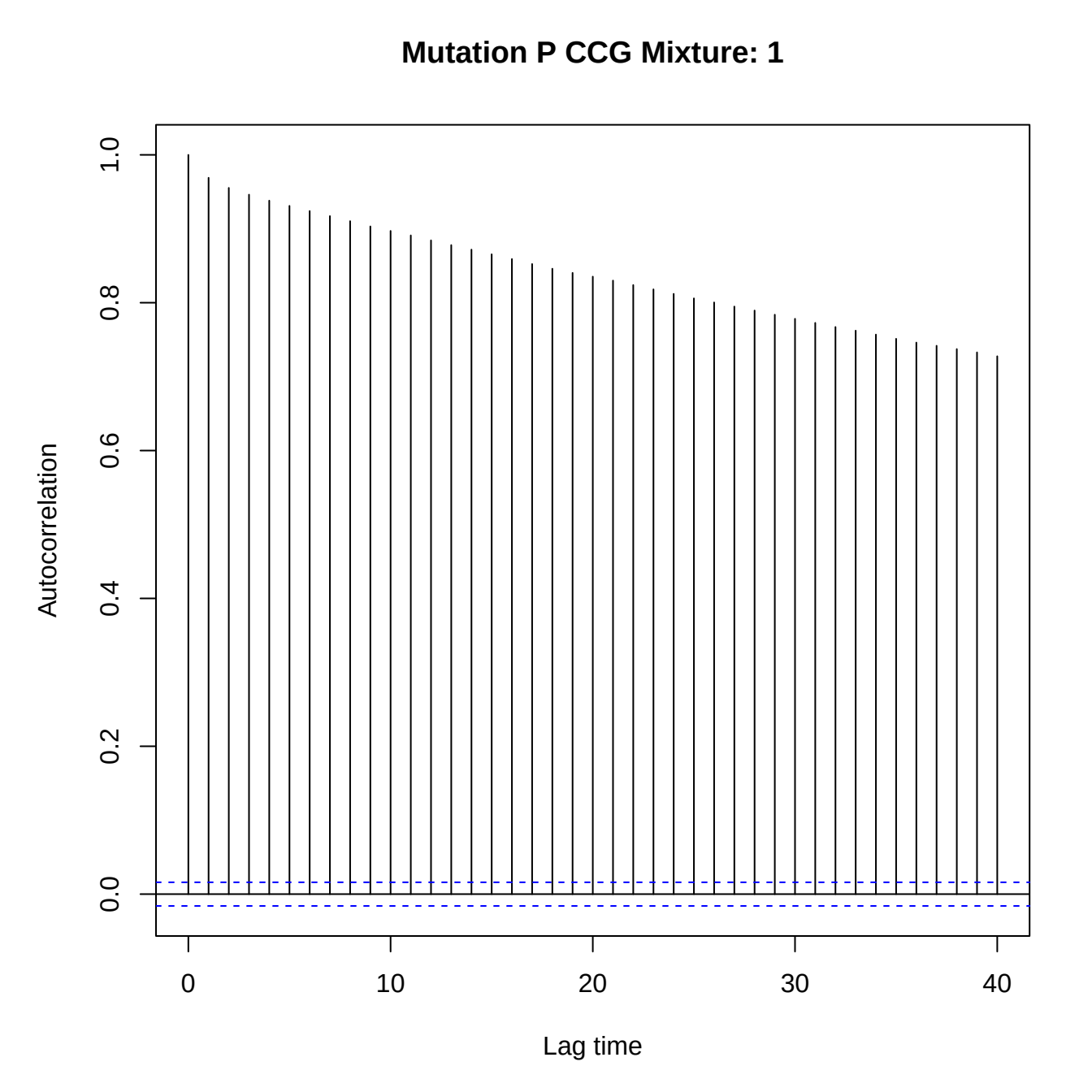
Lag time


Mutation P CCG Mixture: 1
Autocorrelation
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1.0
0
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30
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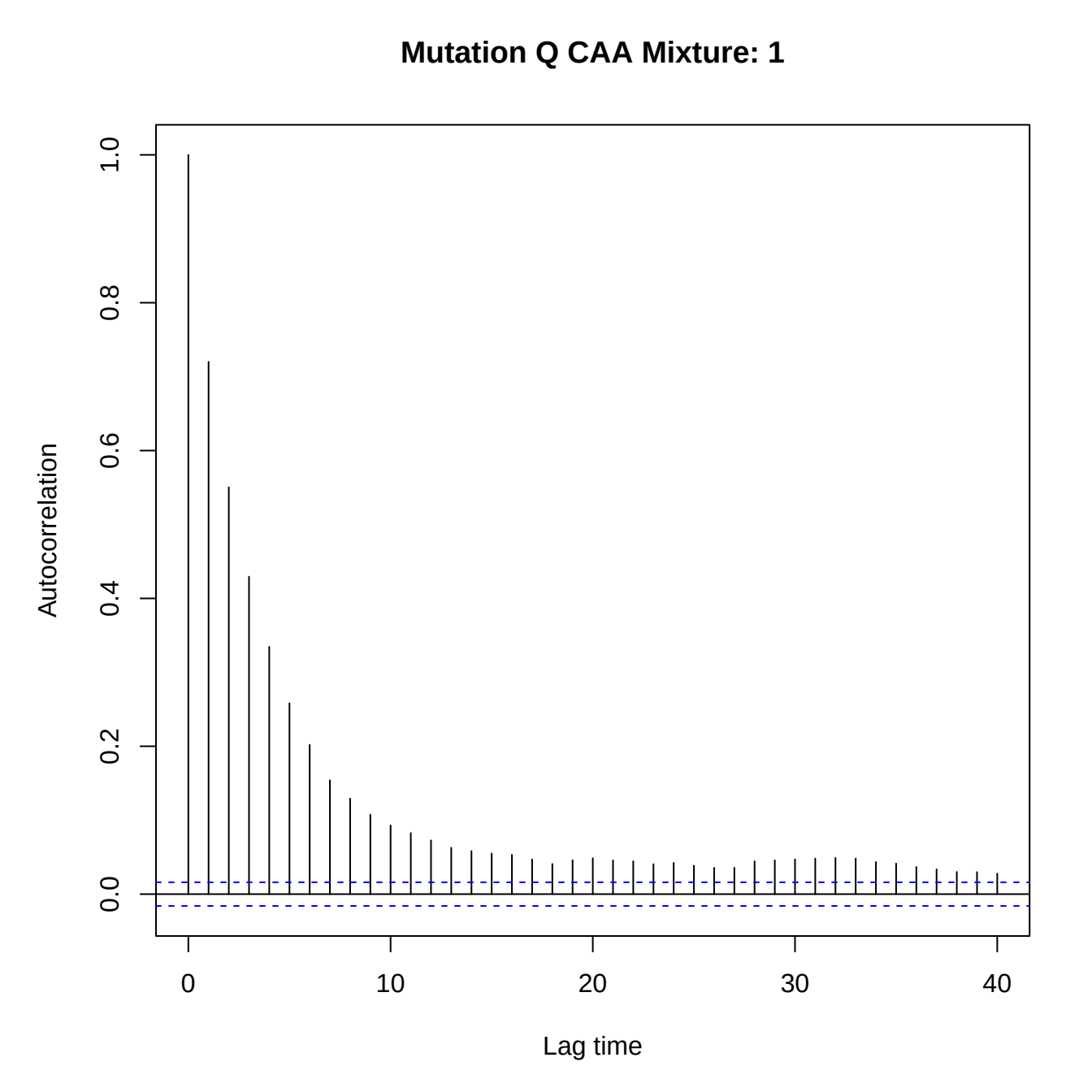
Lag time


Mutation Q CAA Mixture: 1
Autocorrelation
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0.8
1.0
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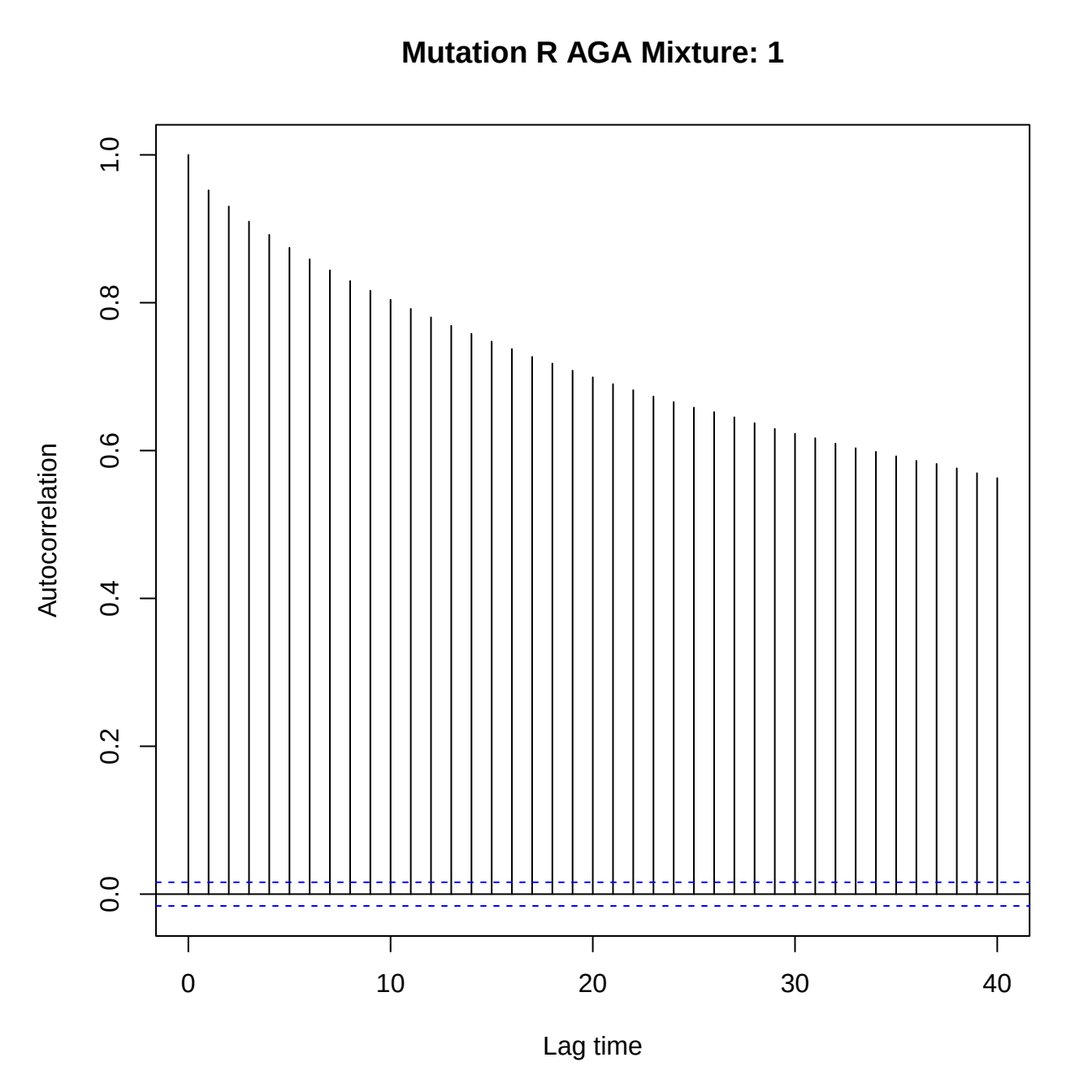
Lag time


Mutation R AGA Mixture: 1
Autocorrelation
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0.8
1.0
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30
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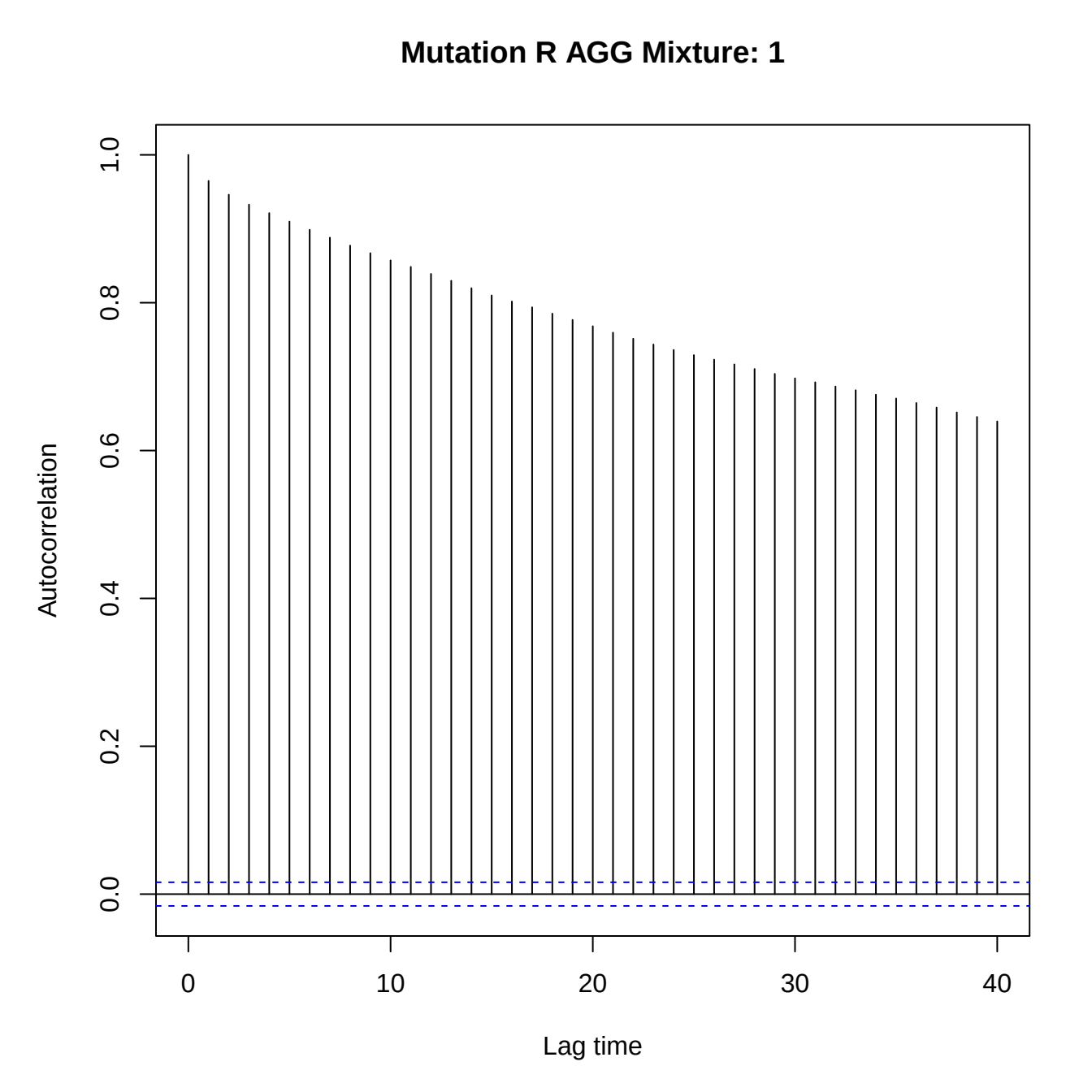
Lag time


Mutation R AGG Mixture: 1
Autocorrelation
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0.6
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1.0
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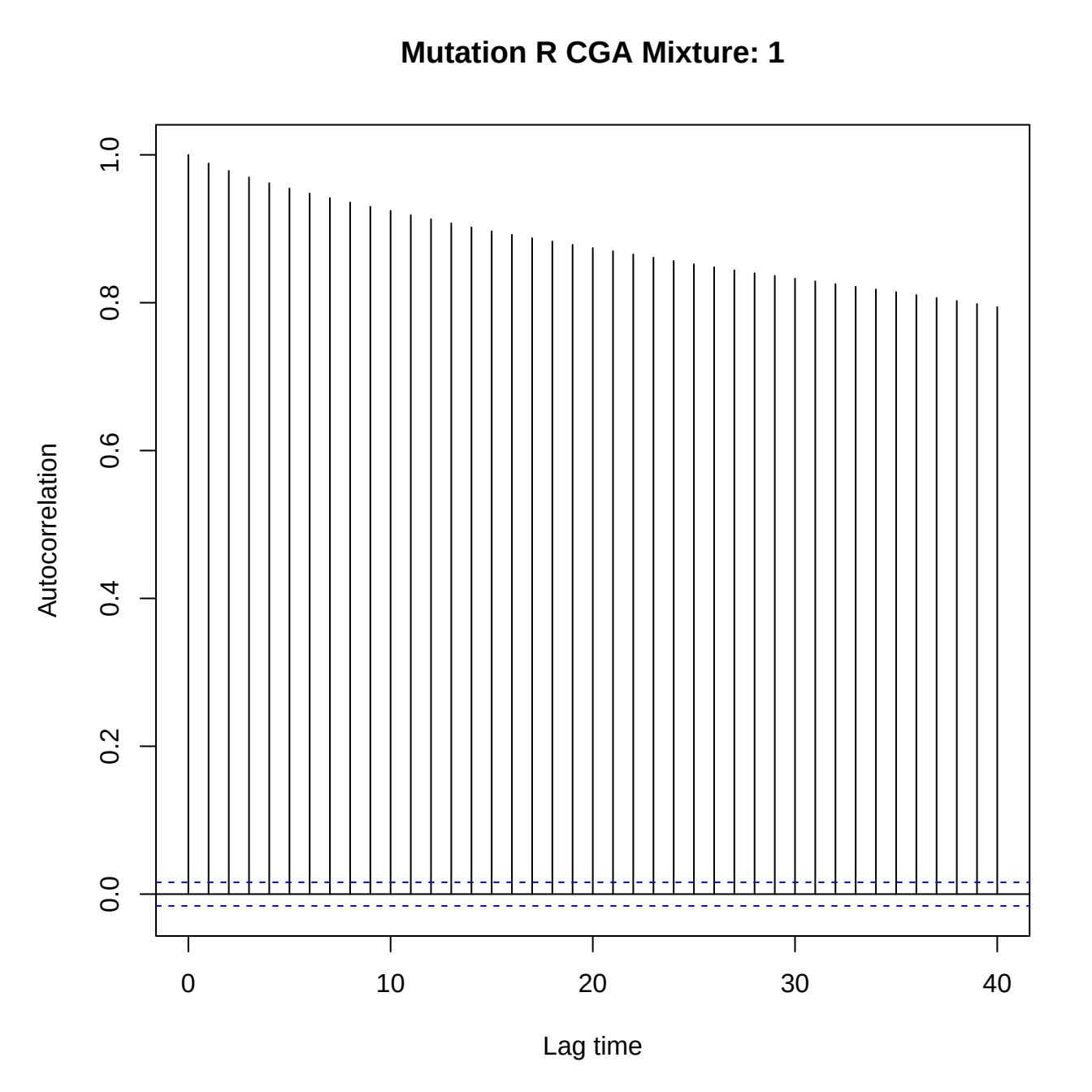
Lag time


Mutation R CGA Mixture: 1
Autocorrelation
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0.4
0.6
0.8
1.0
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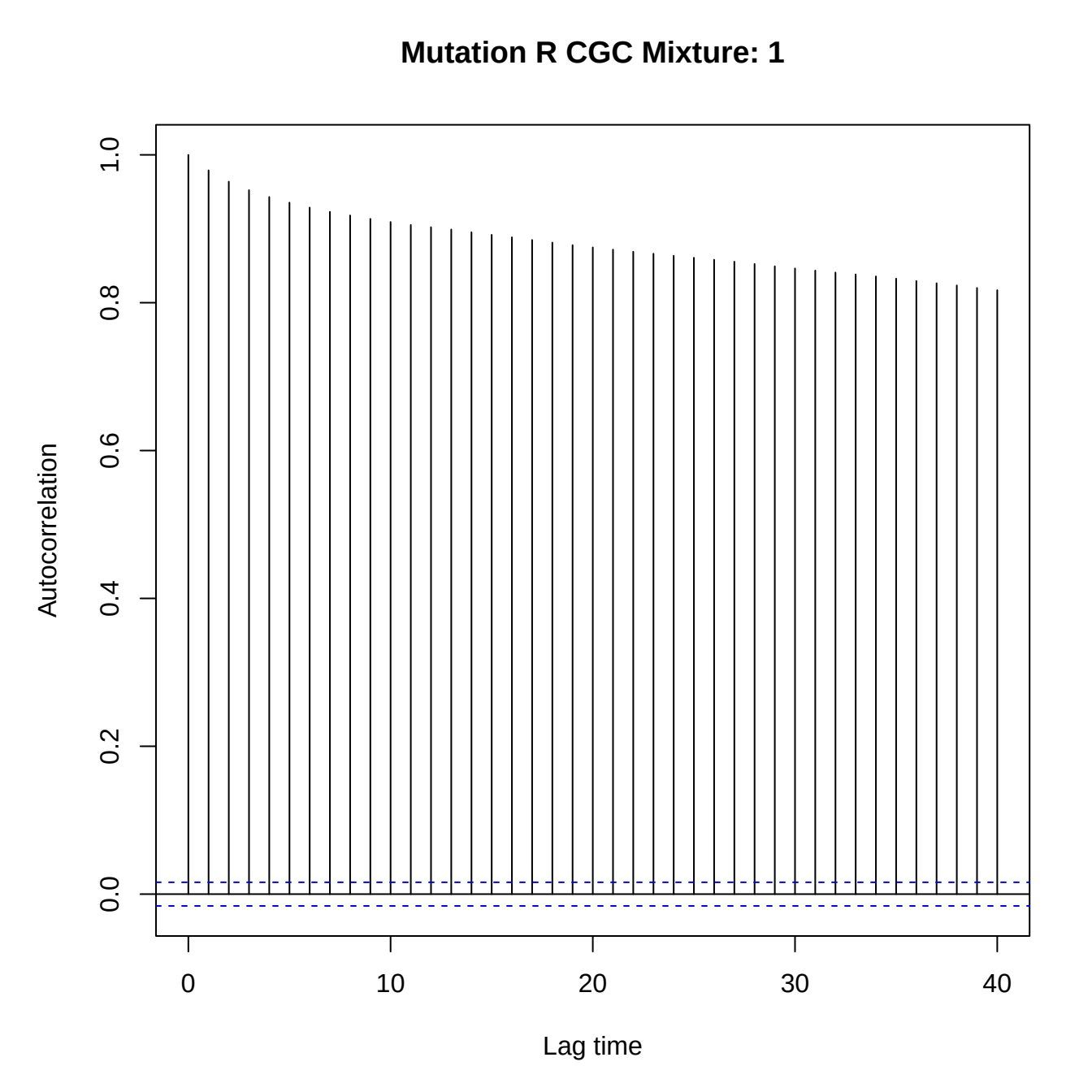
Lag time


Mutation R CGC Mixture: 1
Autocorrelation
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0.4
0.6
0.8
1.0
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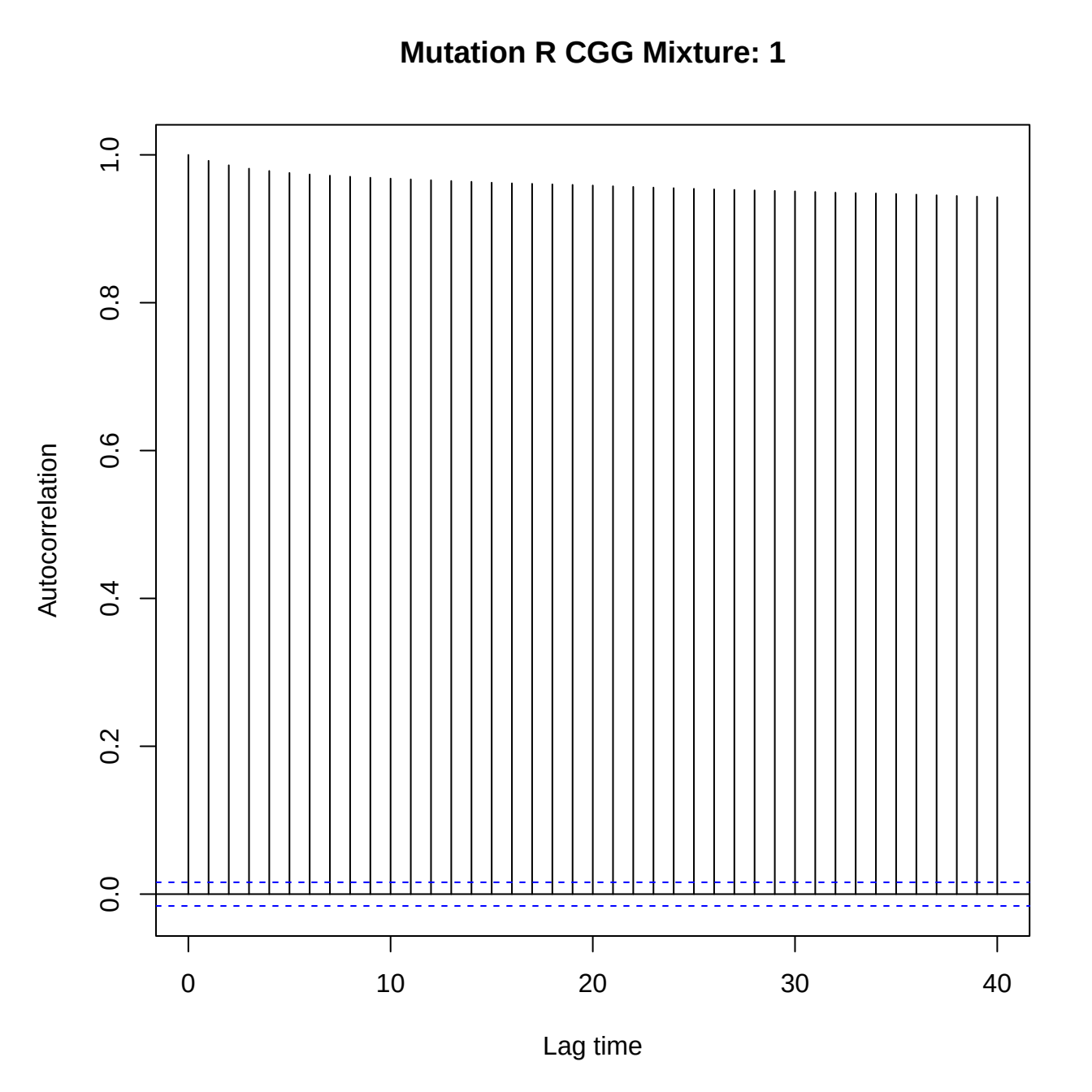
Lag time


Mutation R CGG Mixture: 1
Autocorrelation
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0.2
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0.6
0.8
1.0
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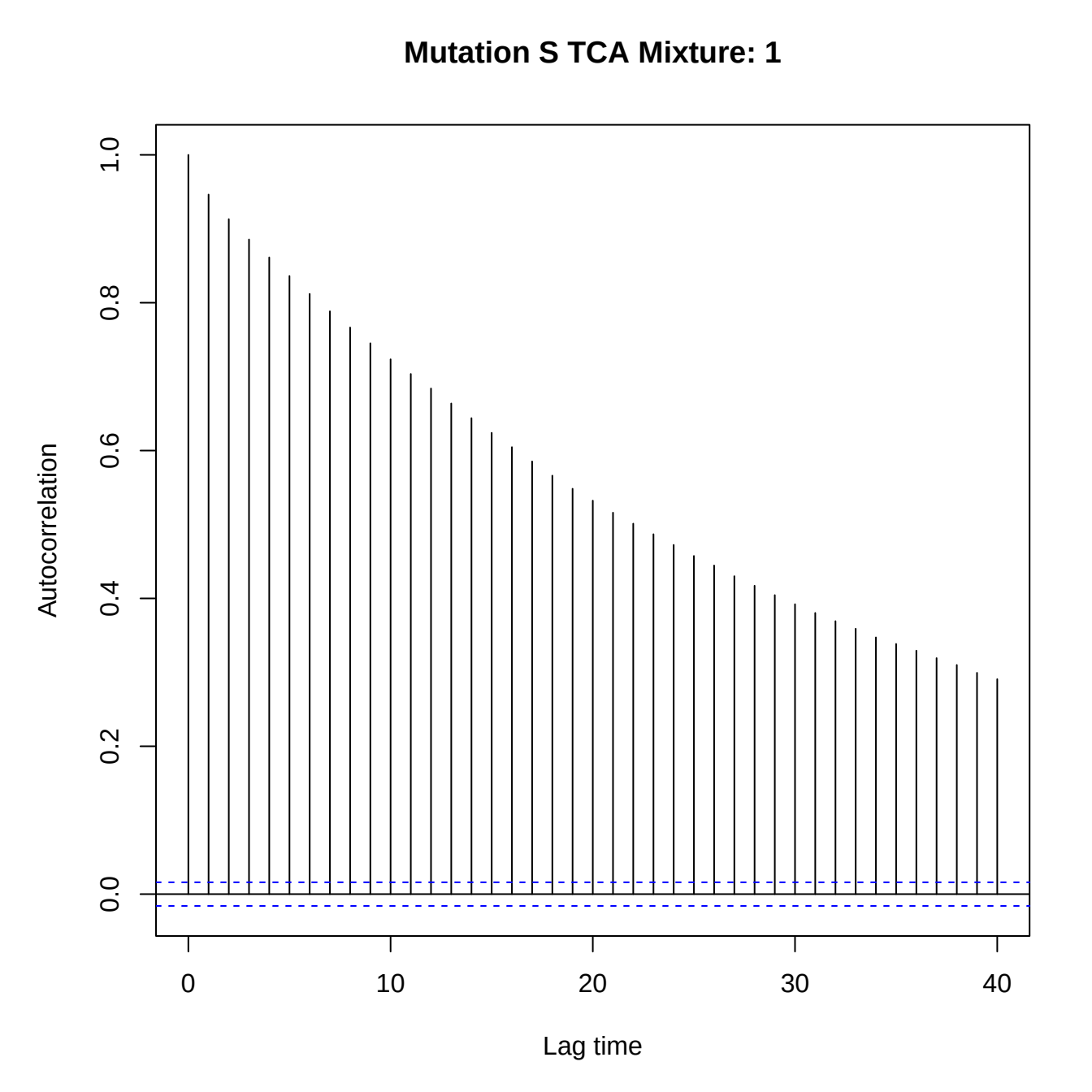
Lag time


Mutation S TCA Mixture: 1
Autocorrelation
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0.8
1.0
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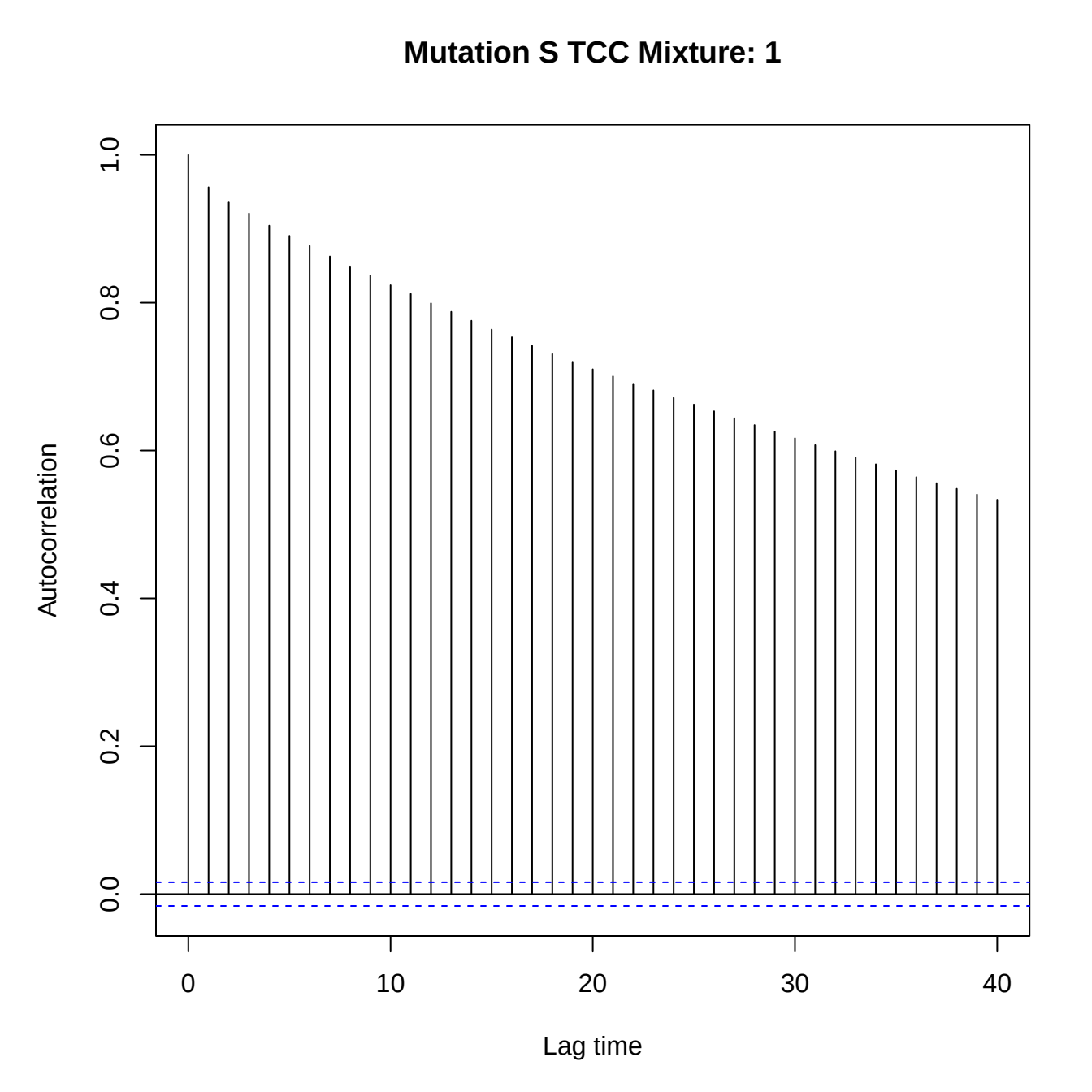
30
40
Lag time


Mutation S TCC Mixture: 1
Autocorrelation
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0.8
1.0
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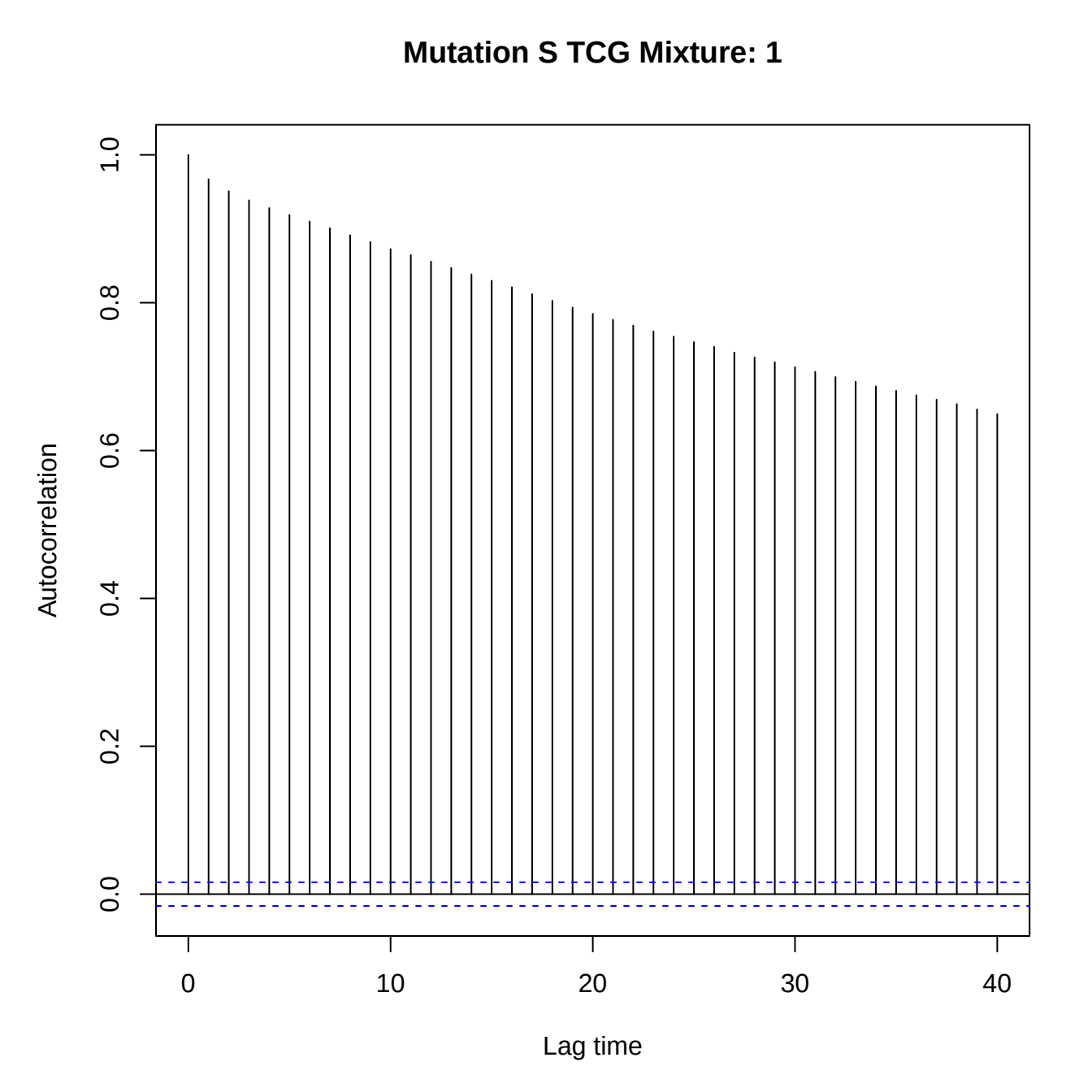
40
Lag time


Mutation S TCG Mixture: 1
Autocorrelation
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0.2
0.4
0.6
0.8
1.0
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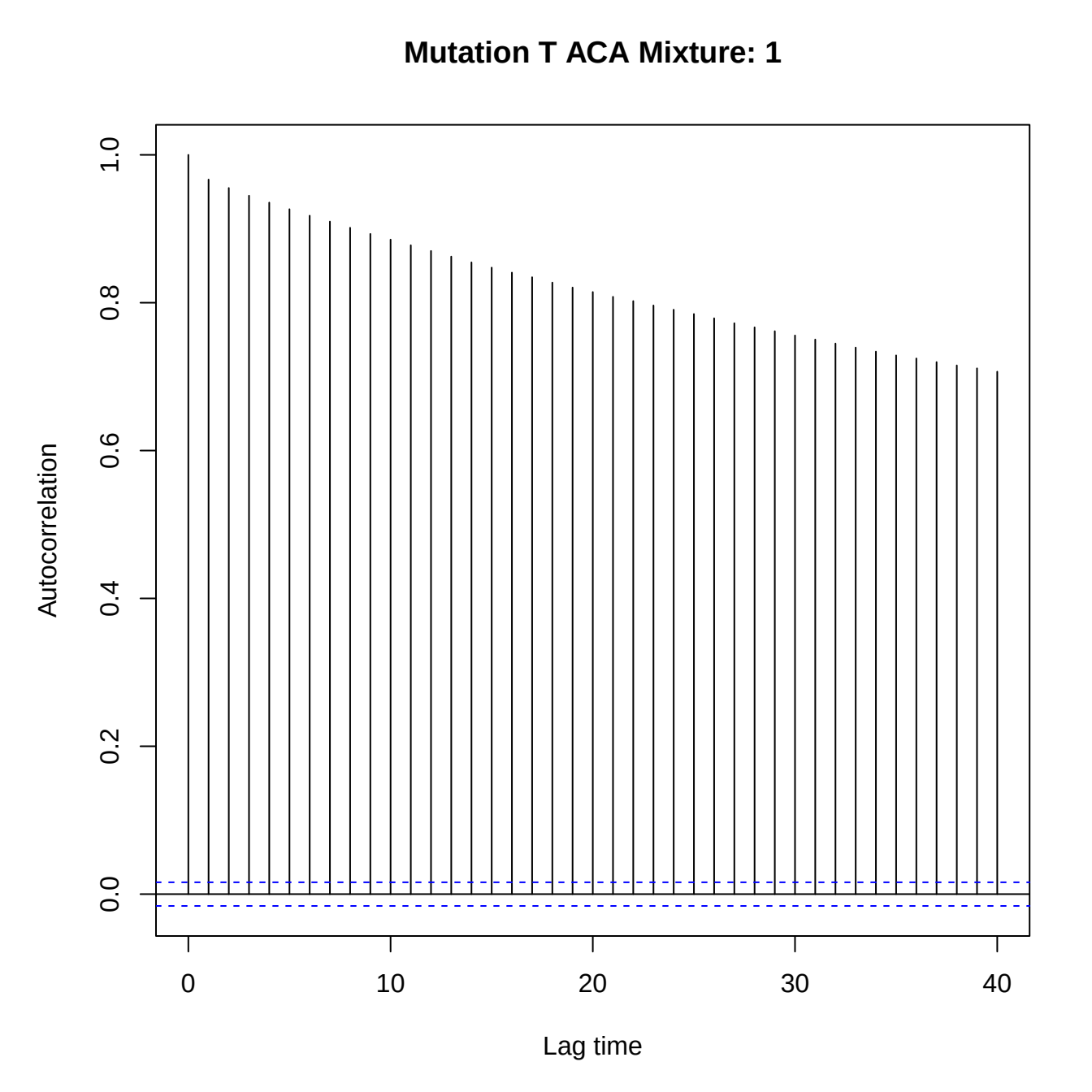
30
40
Lag time


Mutation T ACA Mixture: 1
Autocorrelation
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0.6
0.8
1.0
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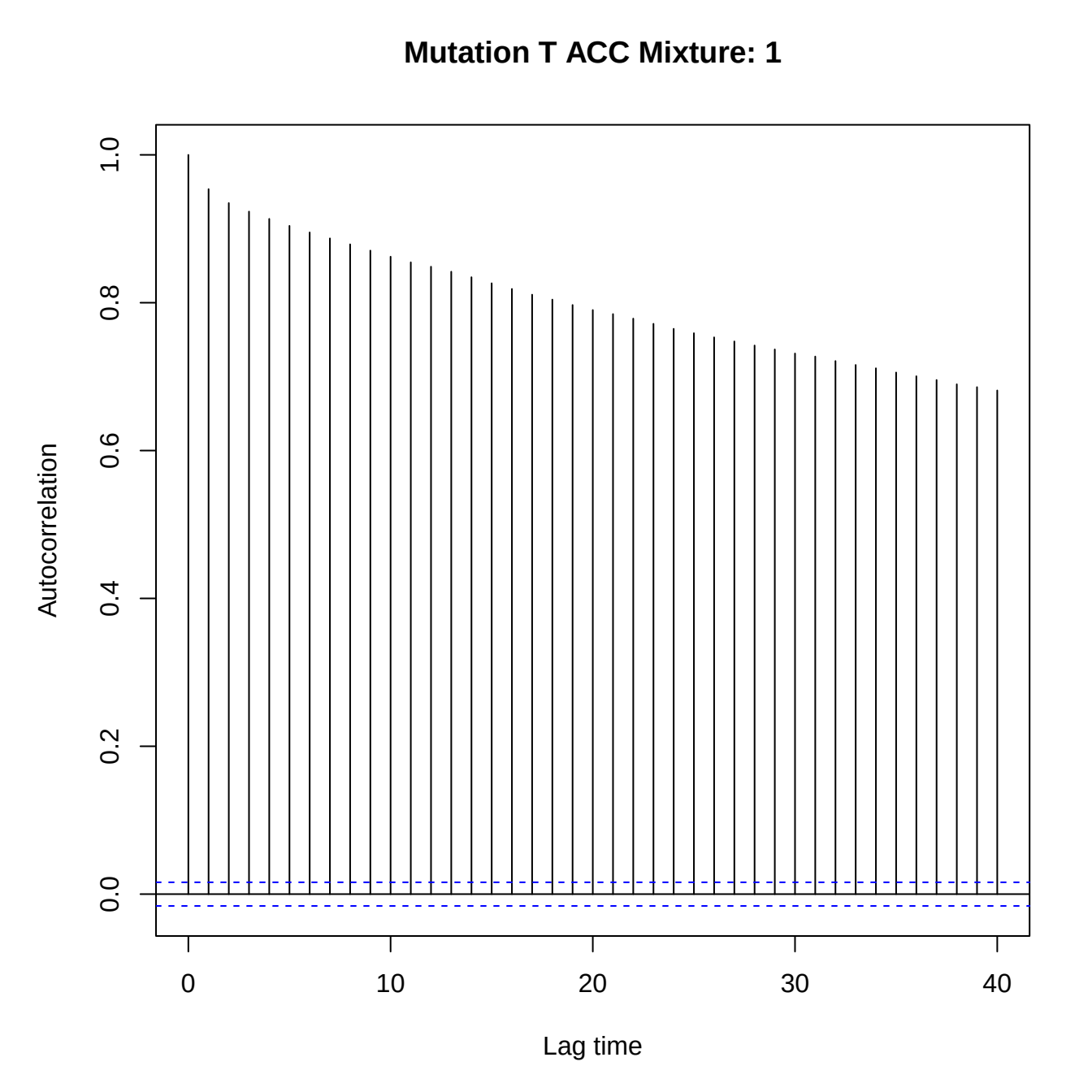
20
30
40
Lag time


Mutation T ACC Mixture: 1
Autocorrelation
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0.6
0.8
1.0
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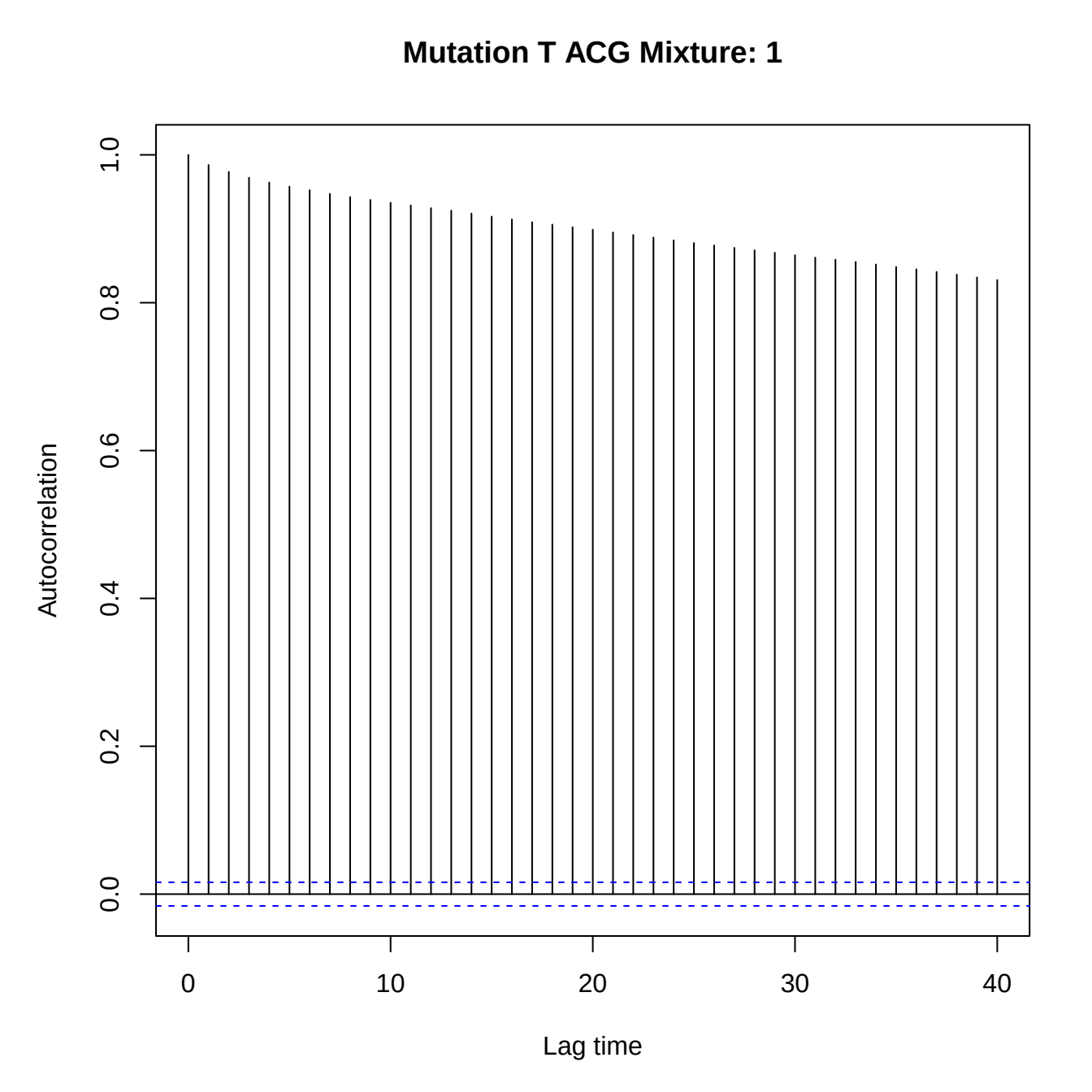
20
30
40
Lag time


Mutation T ACG Mixture: 1
Autocorrelation
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0.2
0.4
0.6
0.8
1.0
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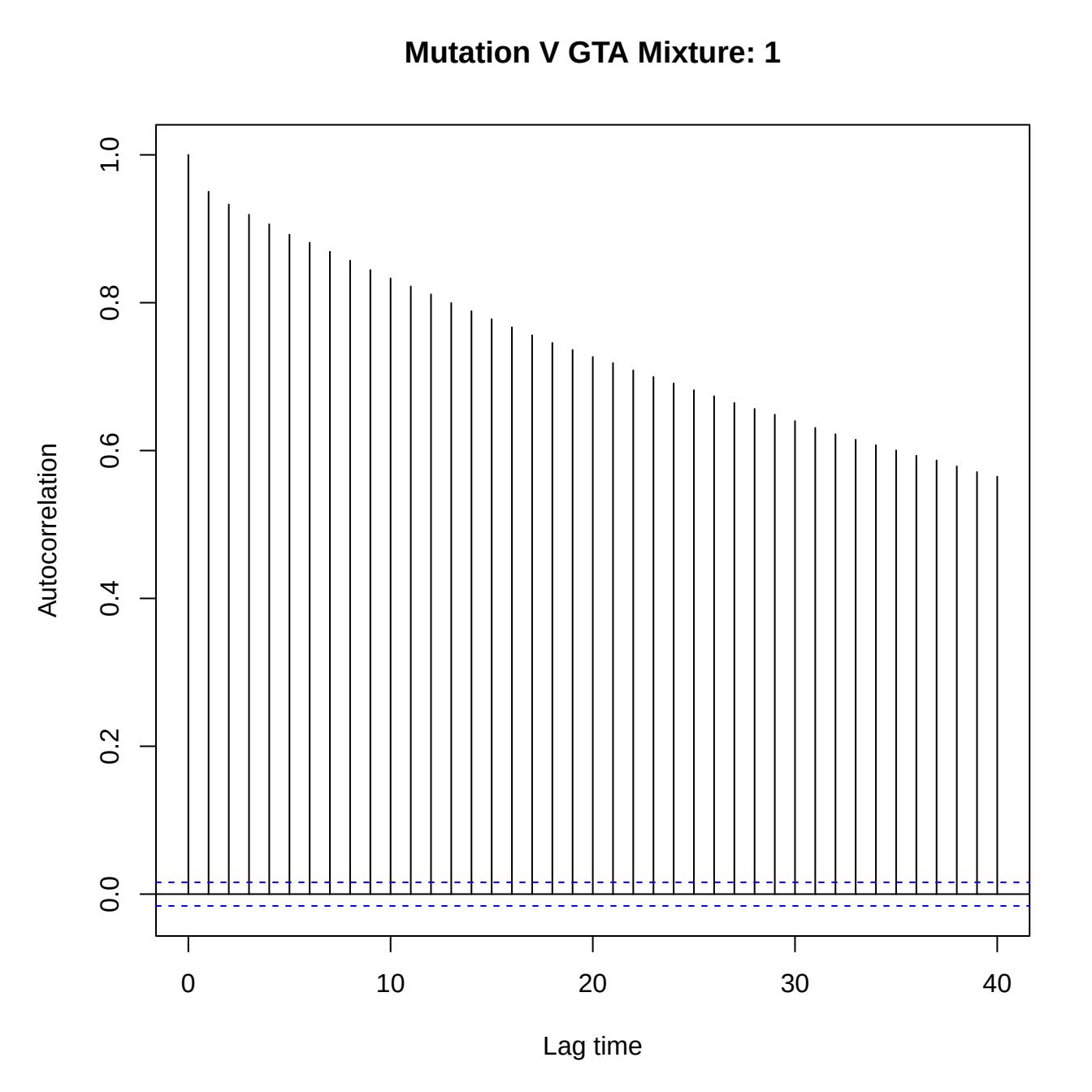
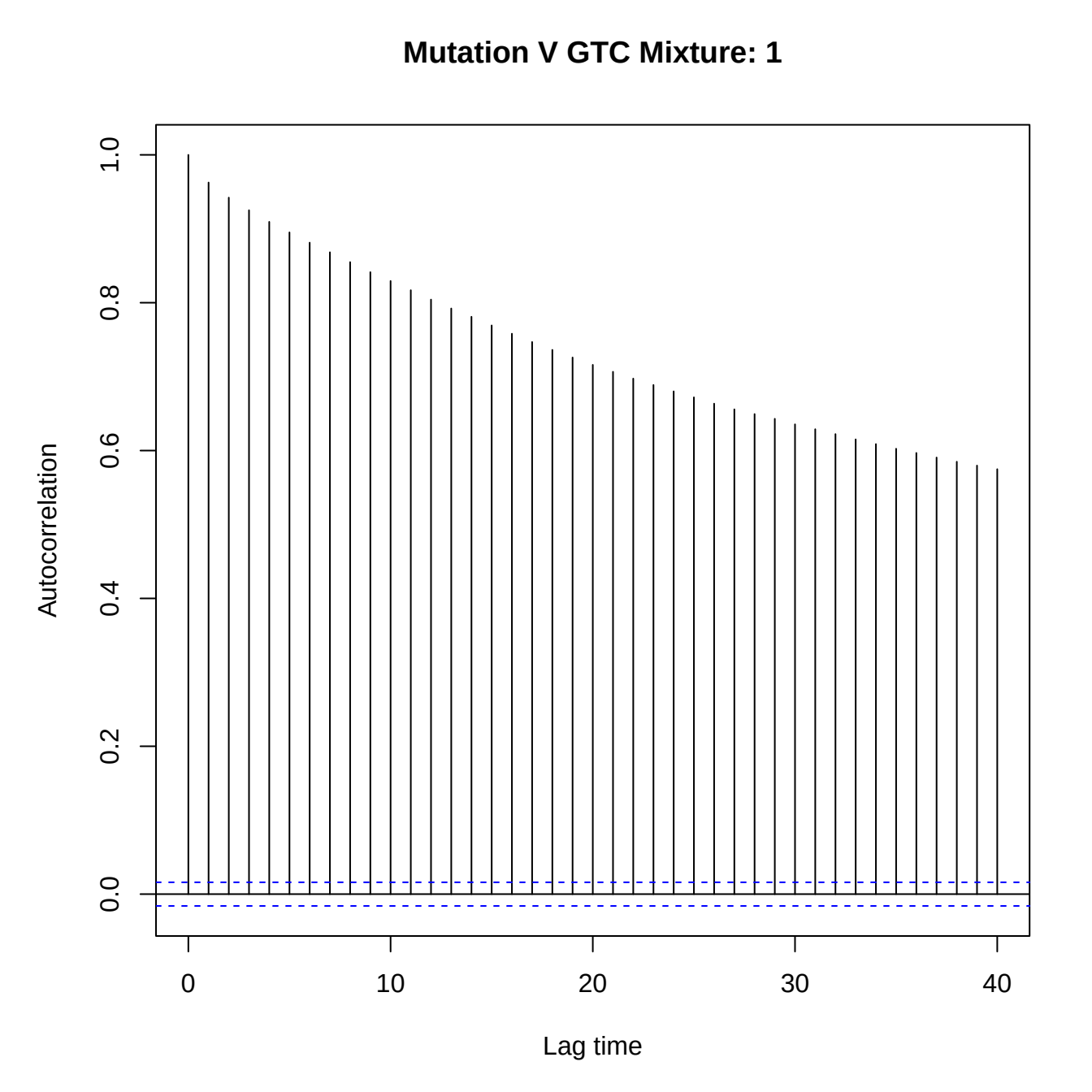
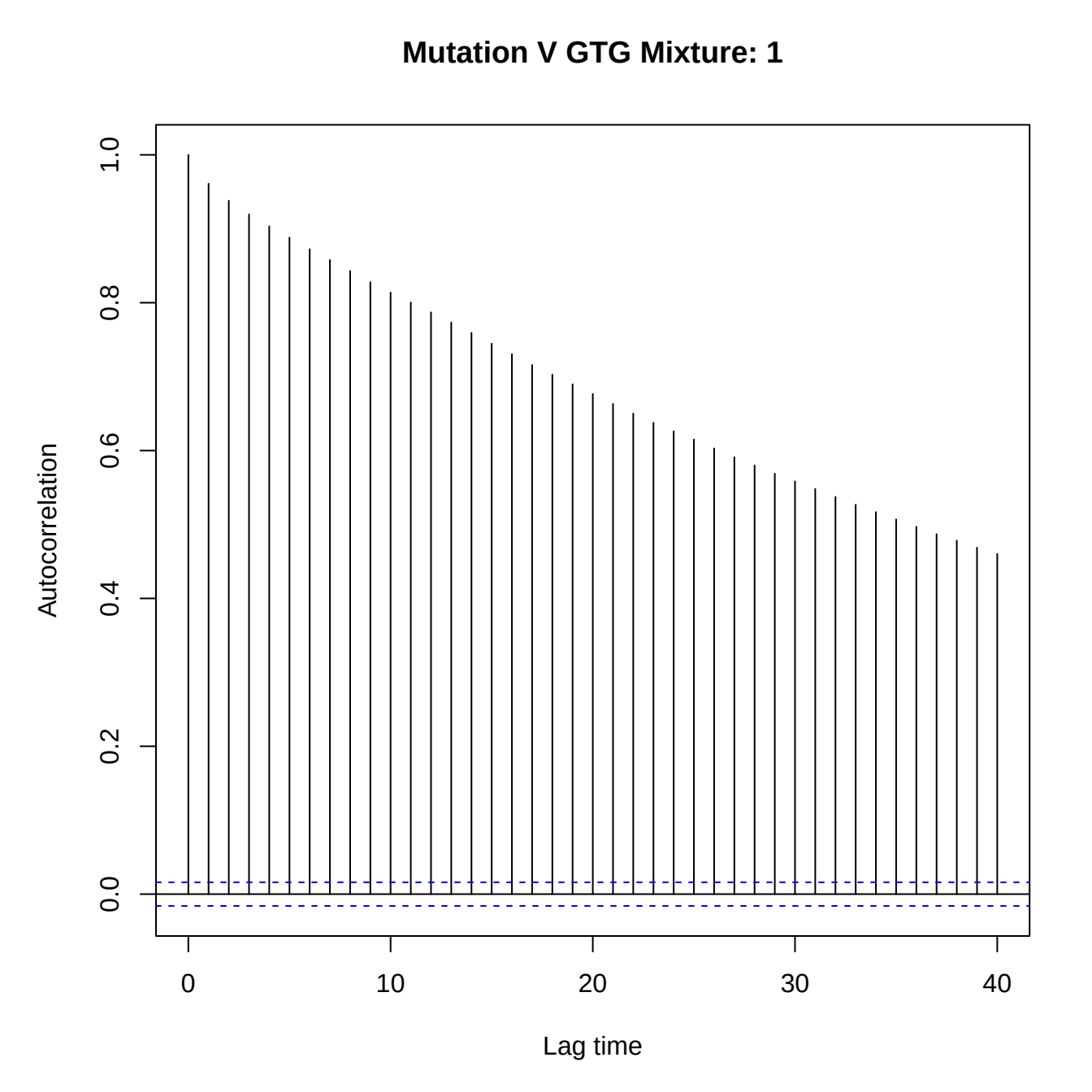
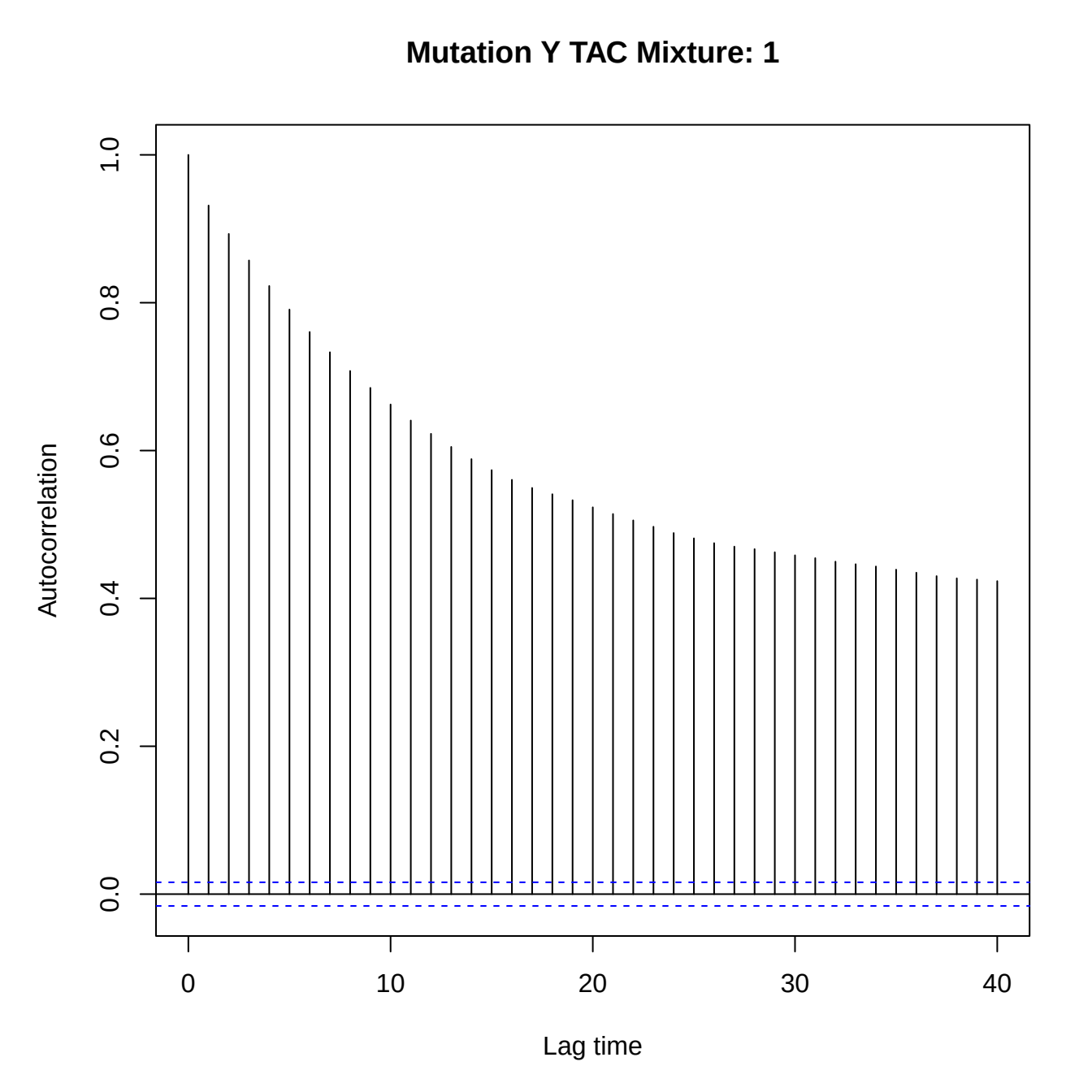
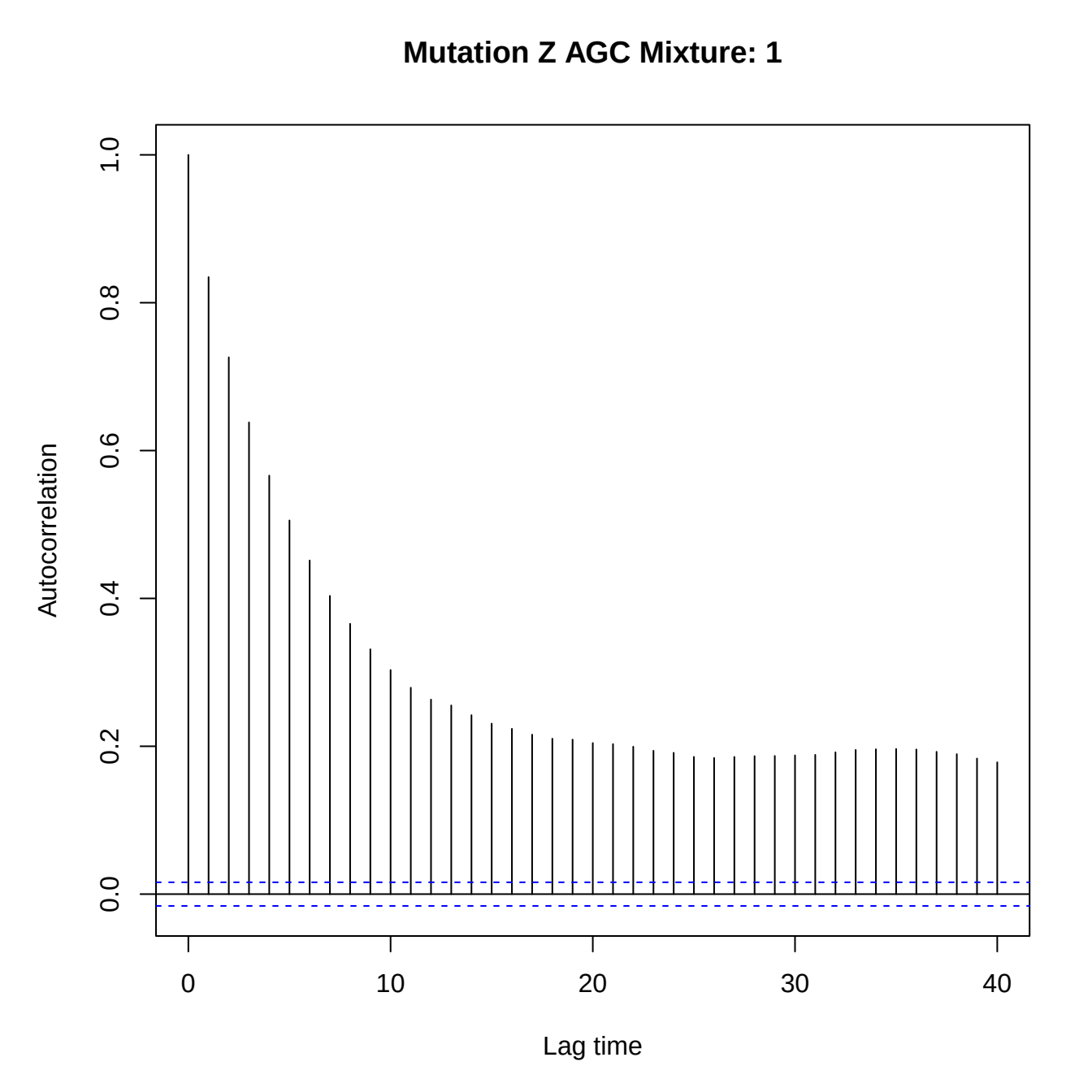
40
Lag time


Mutation V GTA Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation V GTC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation V GTG Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation Y TAC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time


Mutation Z AGC Mixture: 1
Autocorrelation
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Lag time