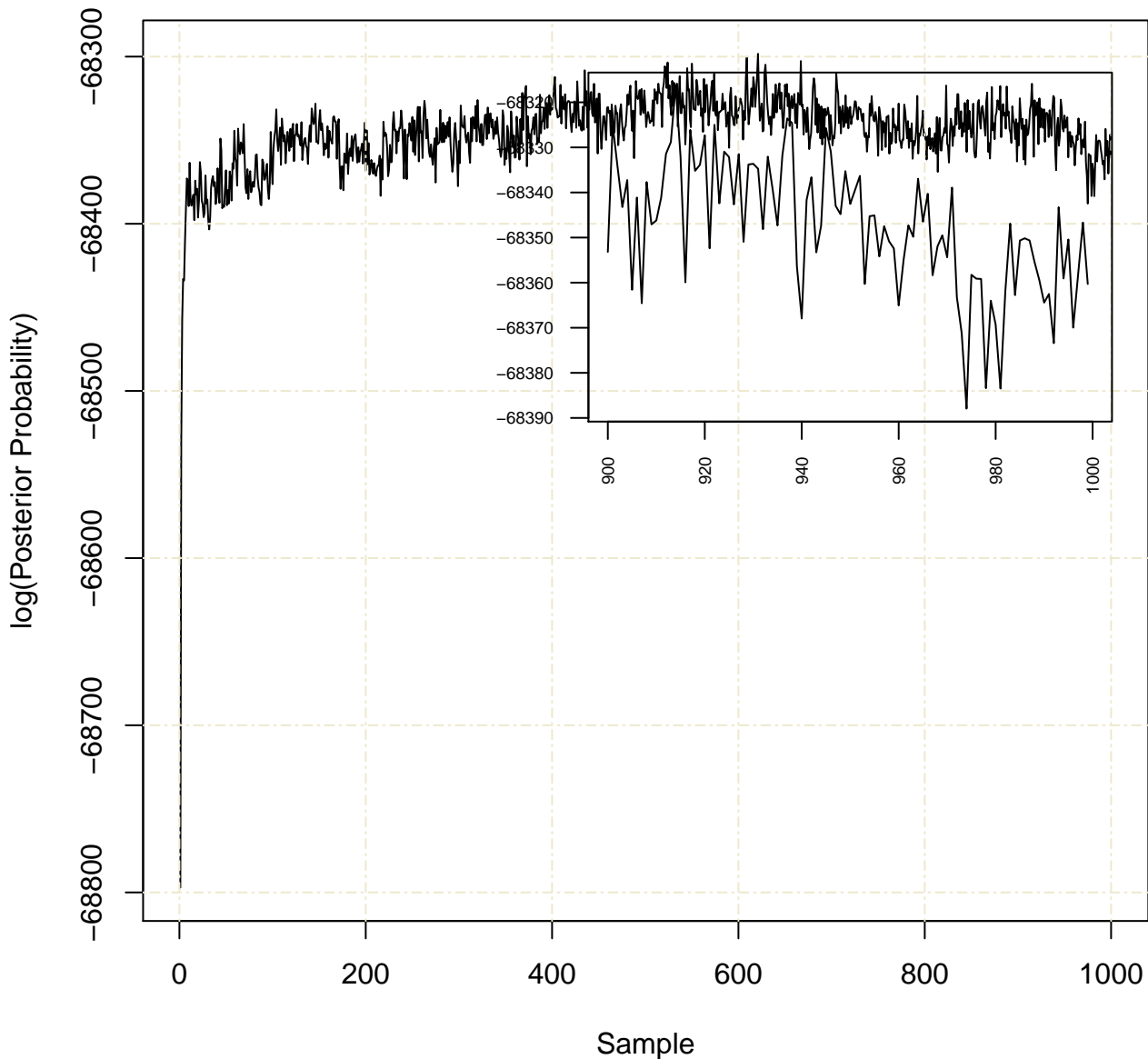
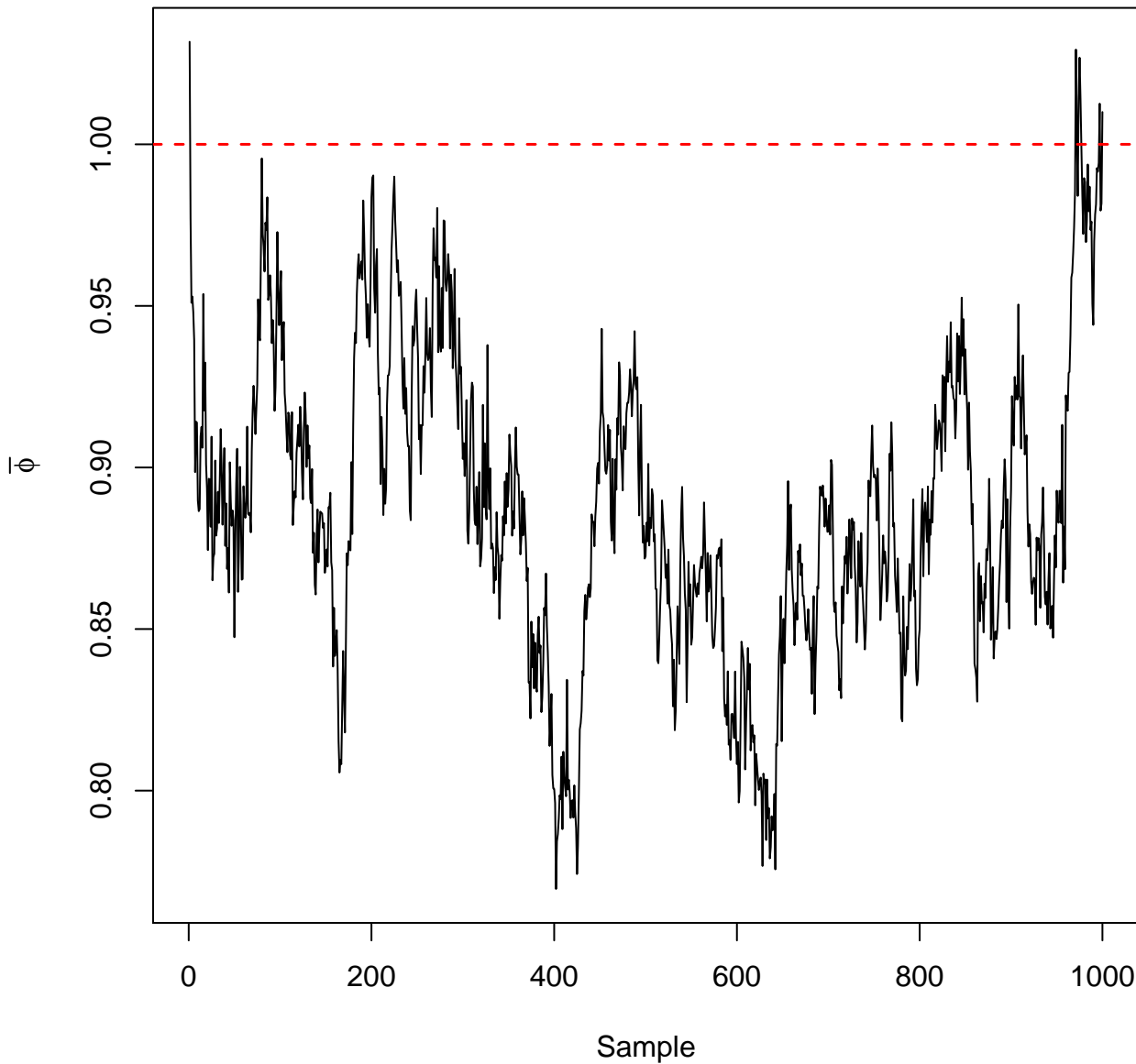


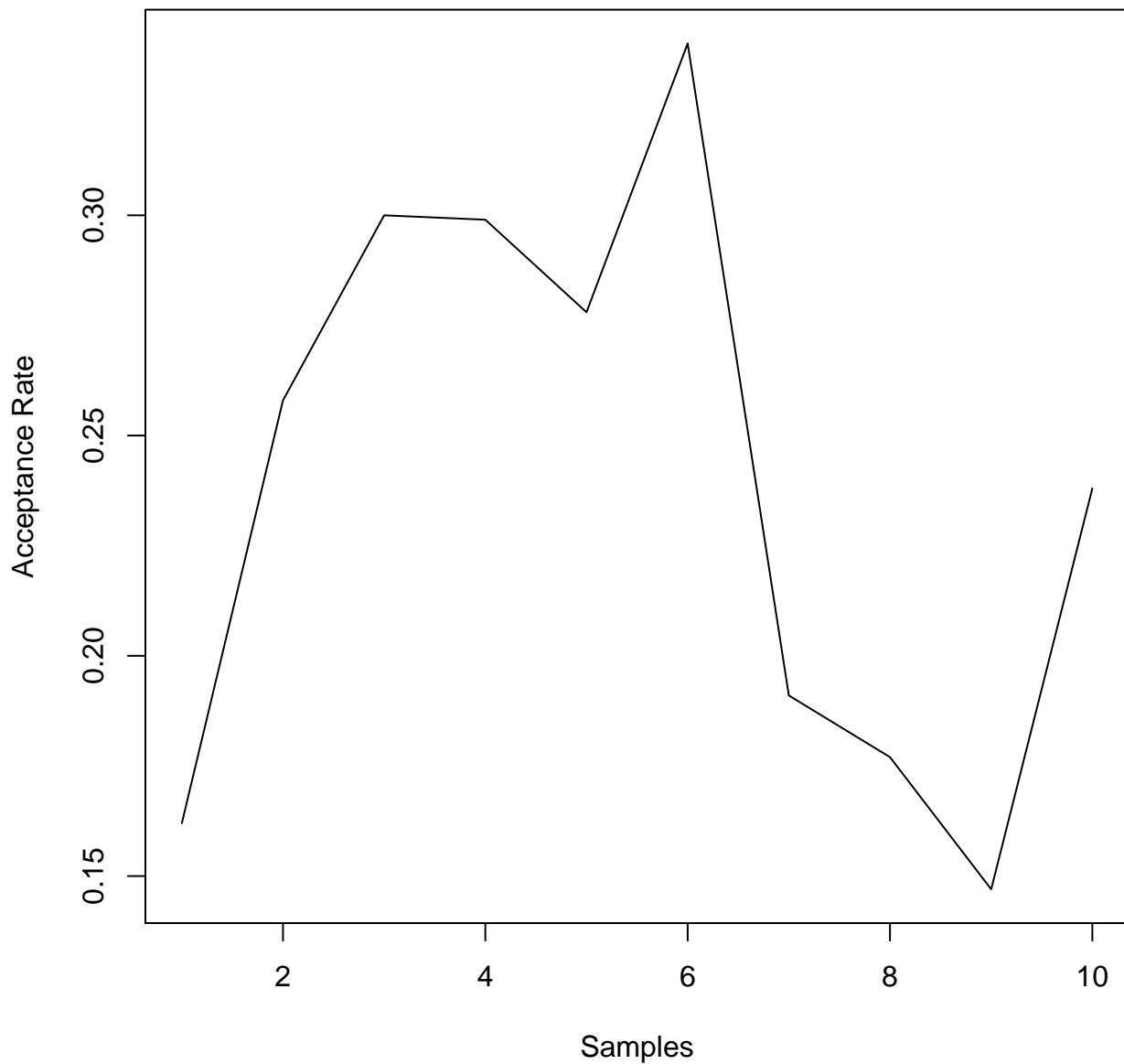
**log(Posterior Probability): -68347.4853194237**



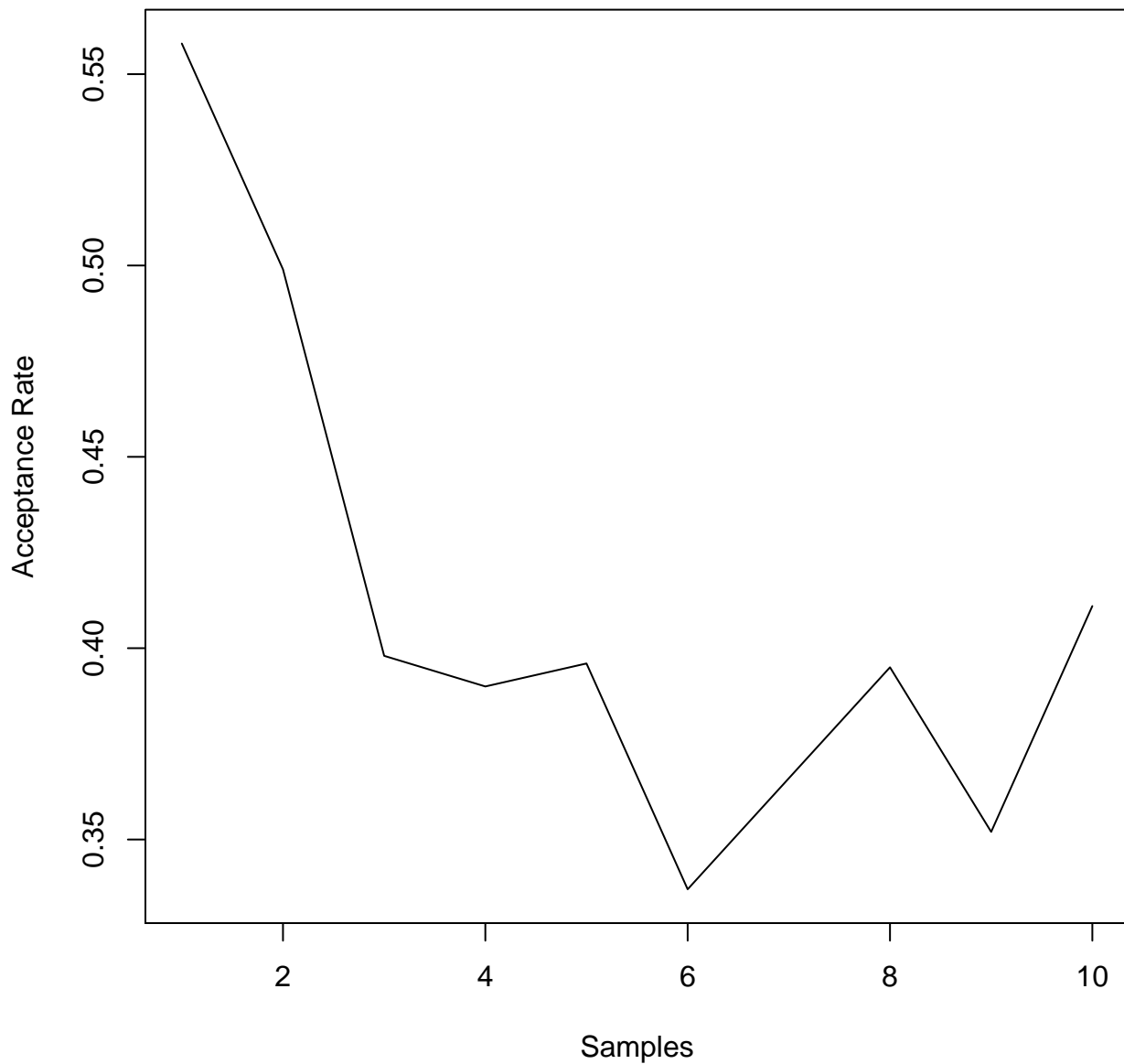
Trace of the Expected value of  $\phi$



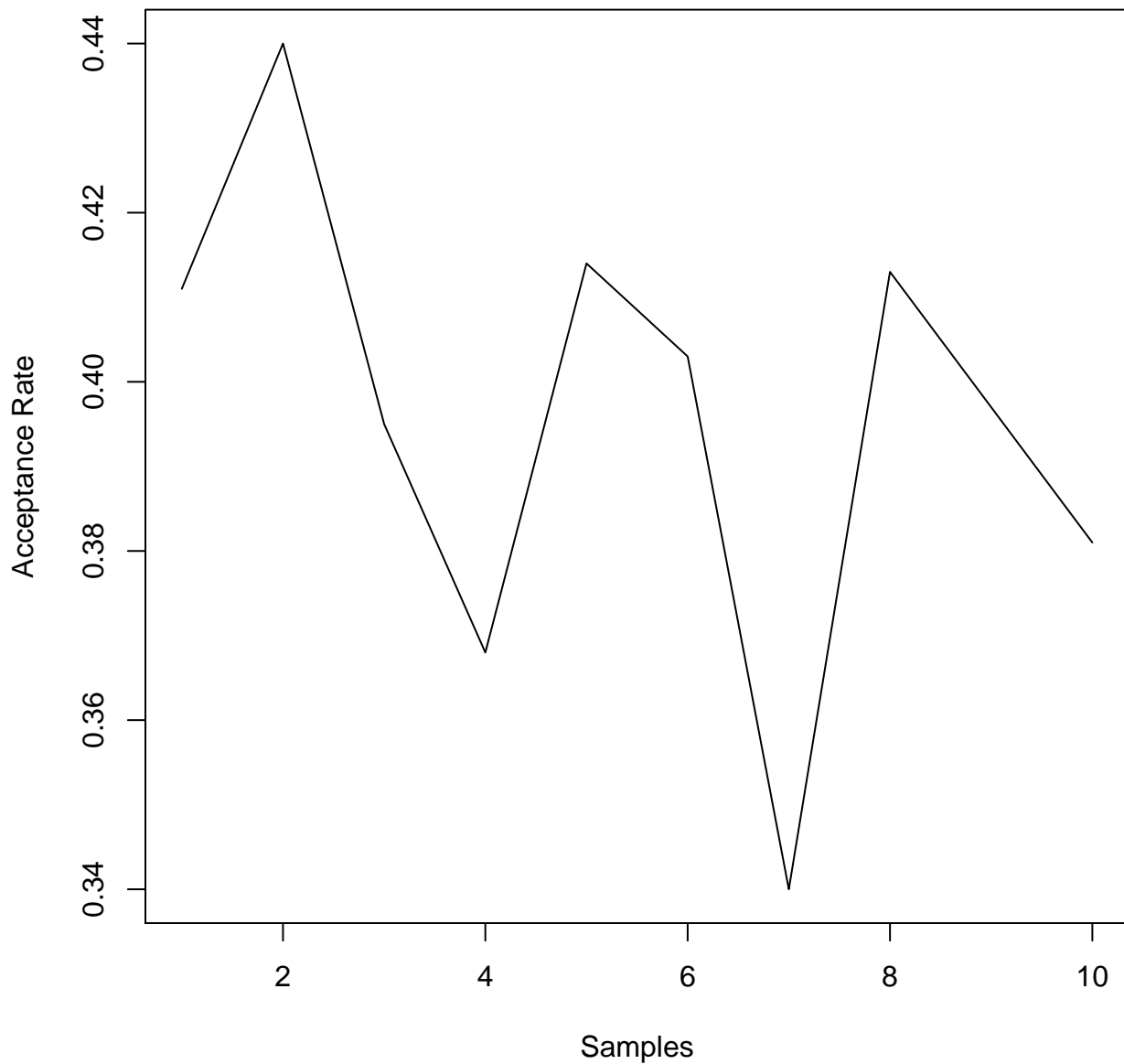
**Acceptance Rate for A**



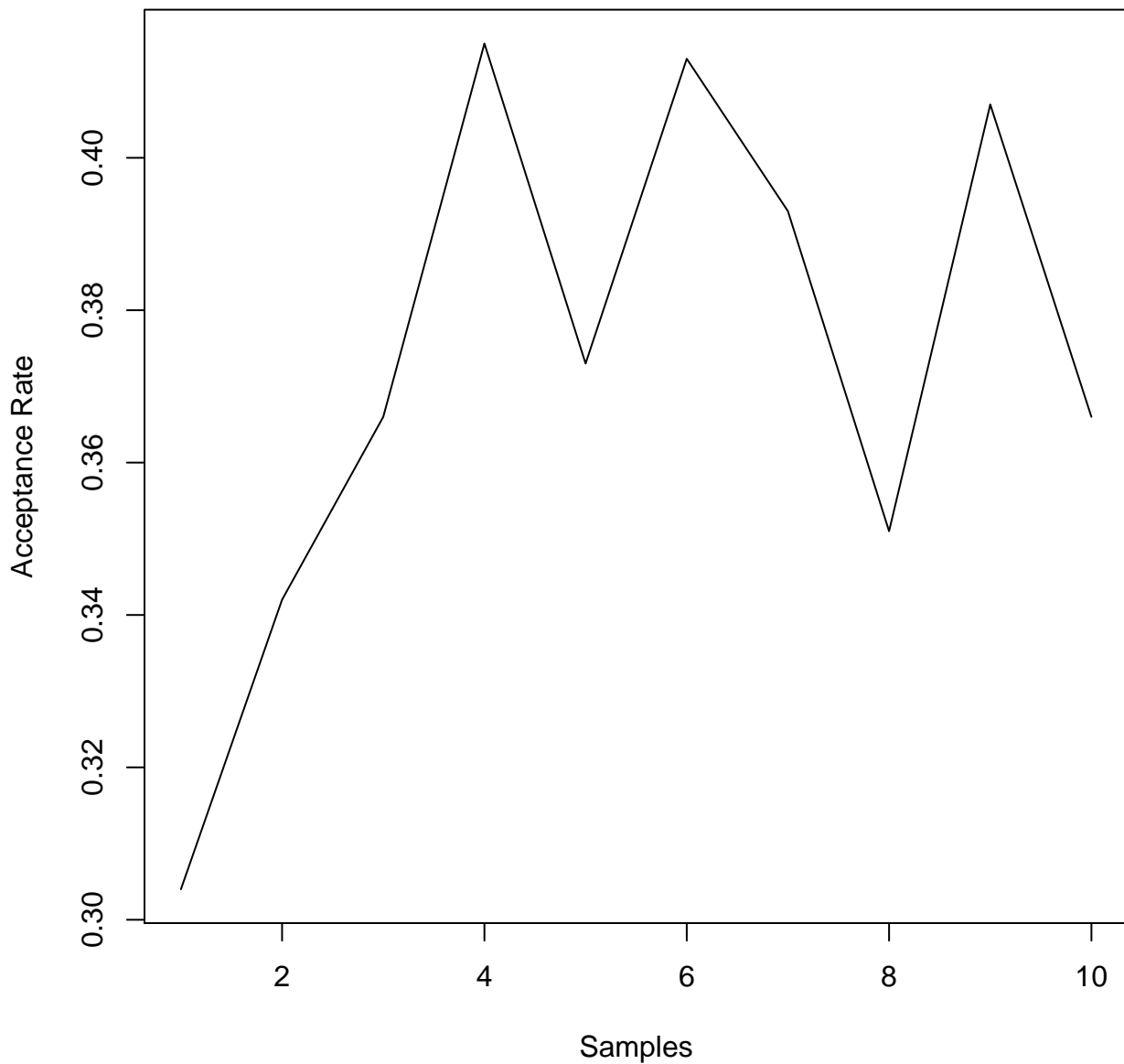
**Acceptance Rate for C**



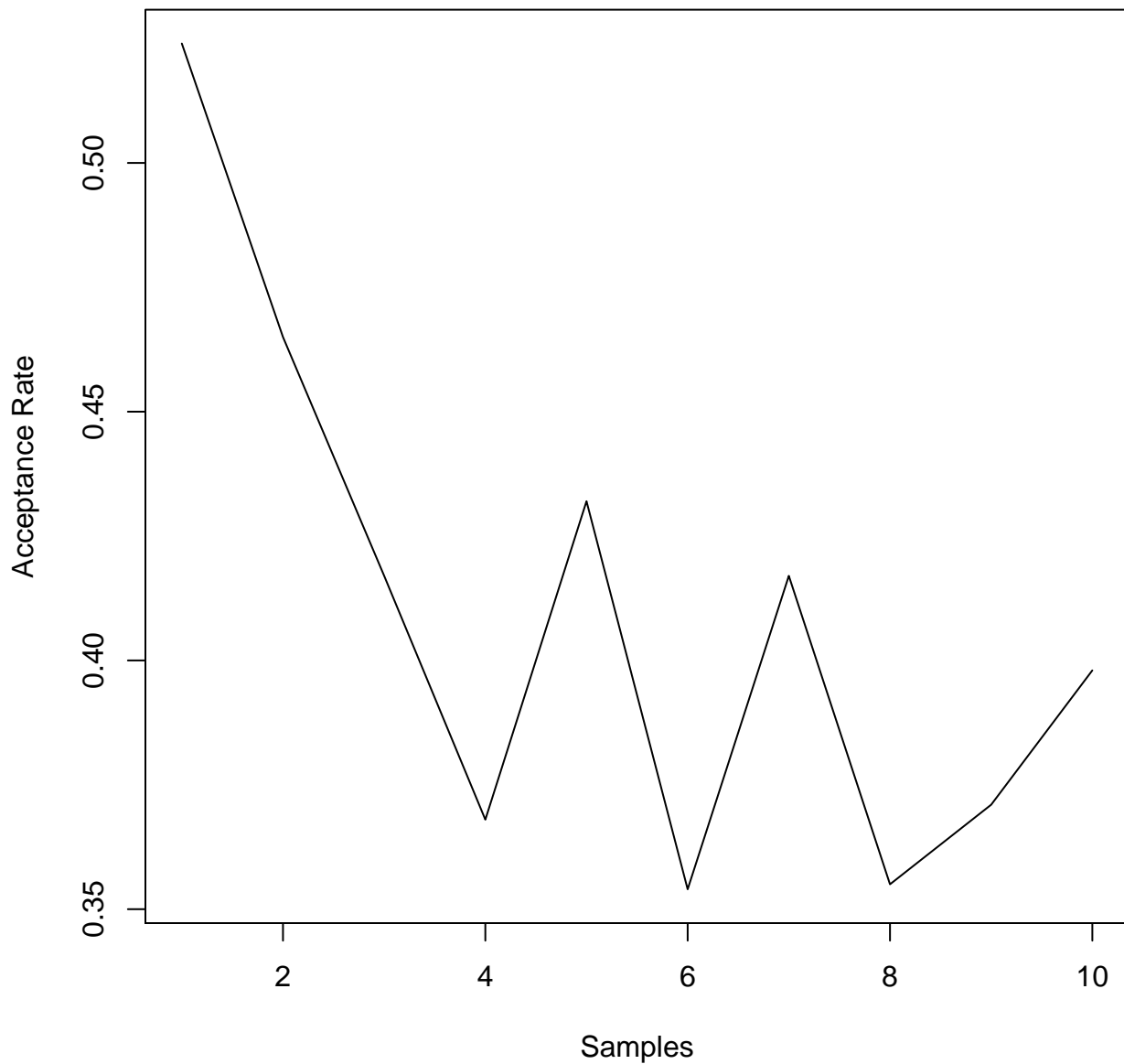
**Acceptance Rate for D**



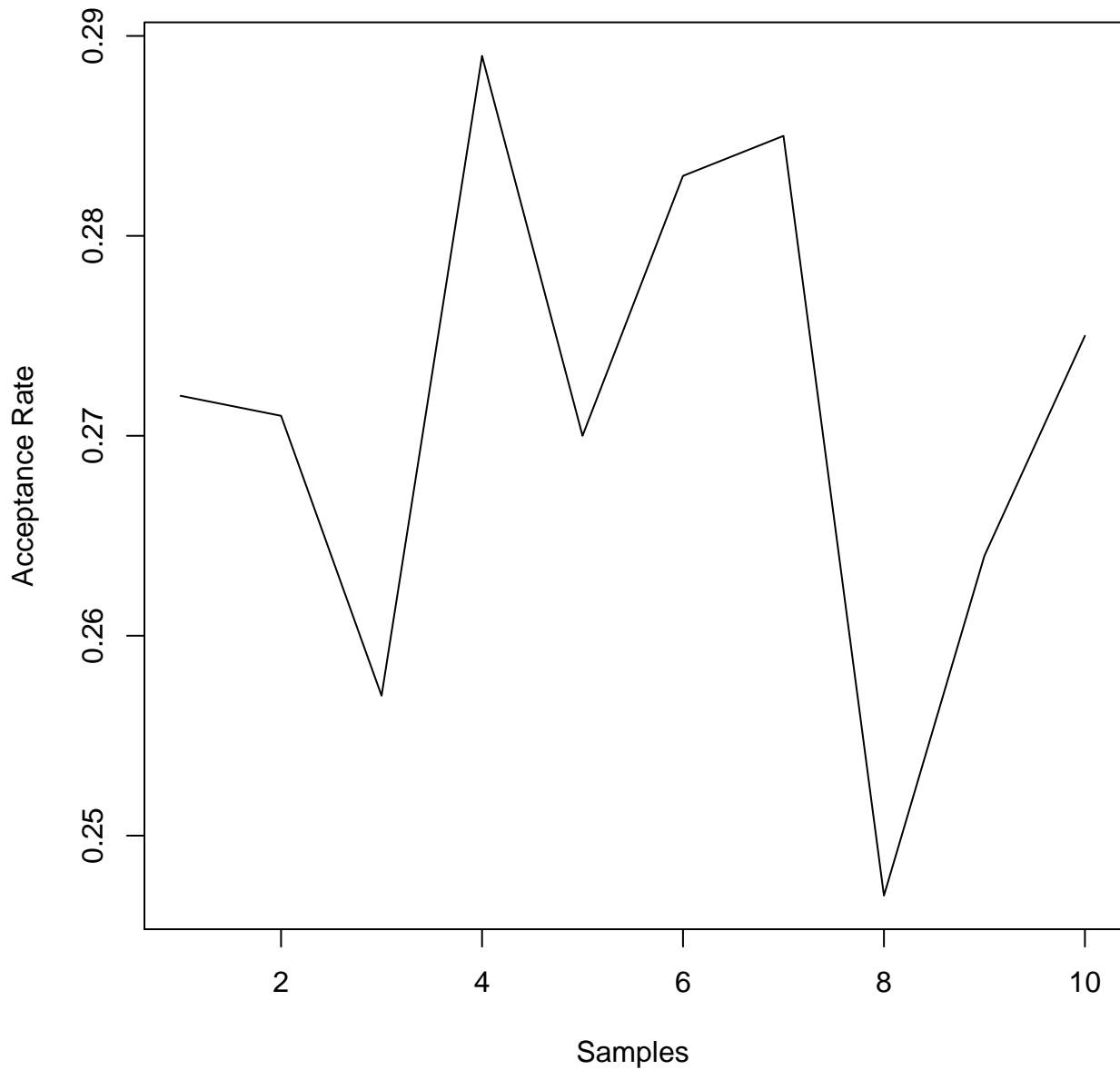
**Acceptance Rate for E**



## Acceptance Rate for F

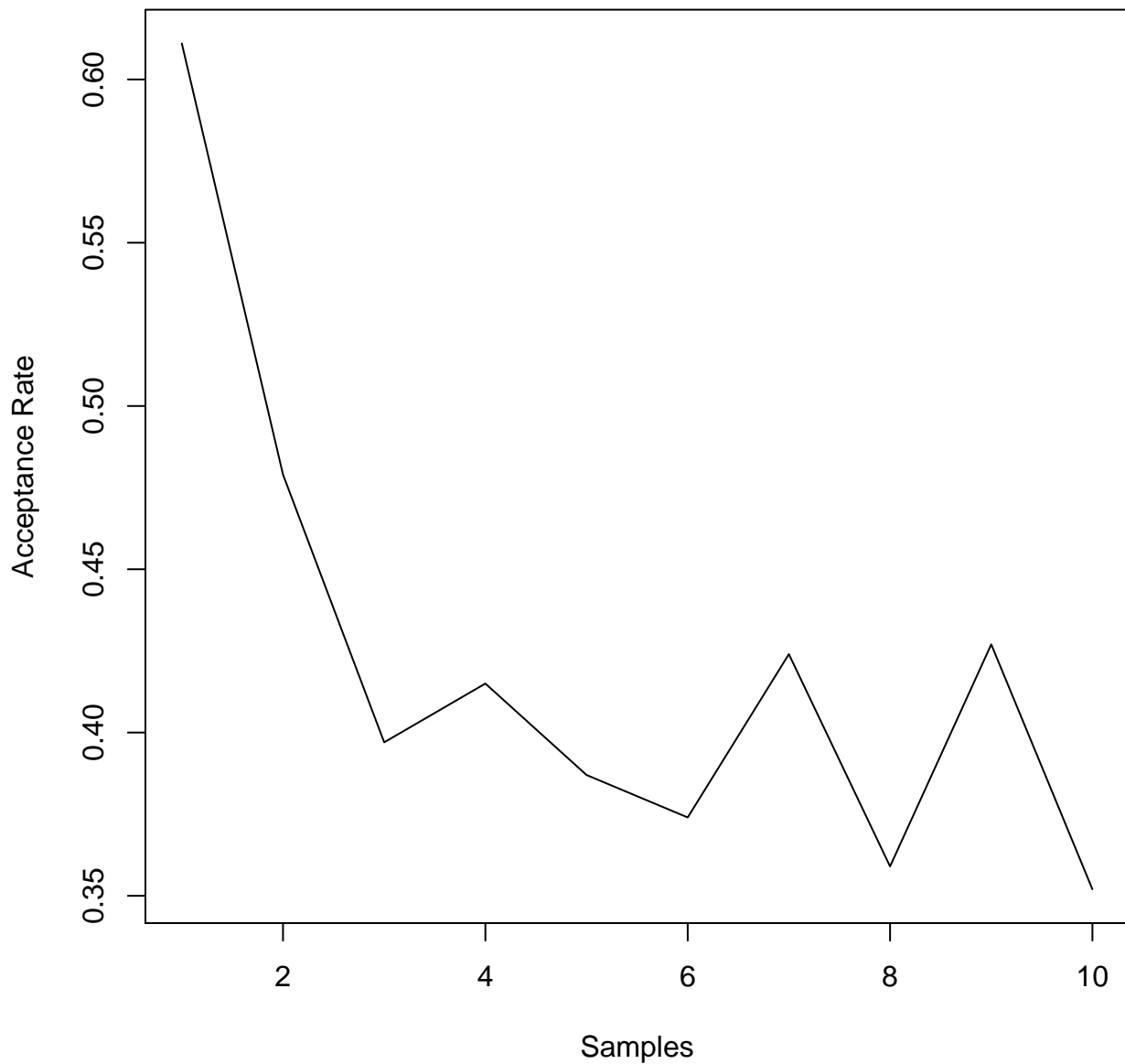


**Acceptance Rate for G**

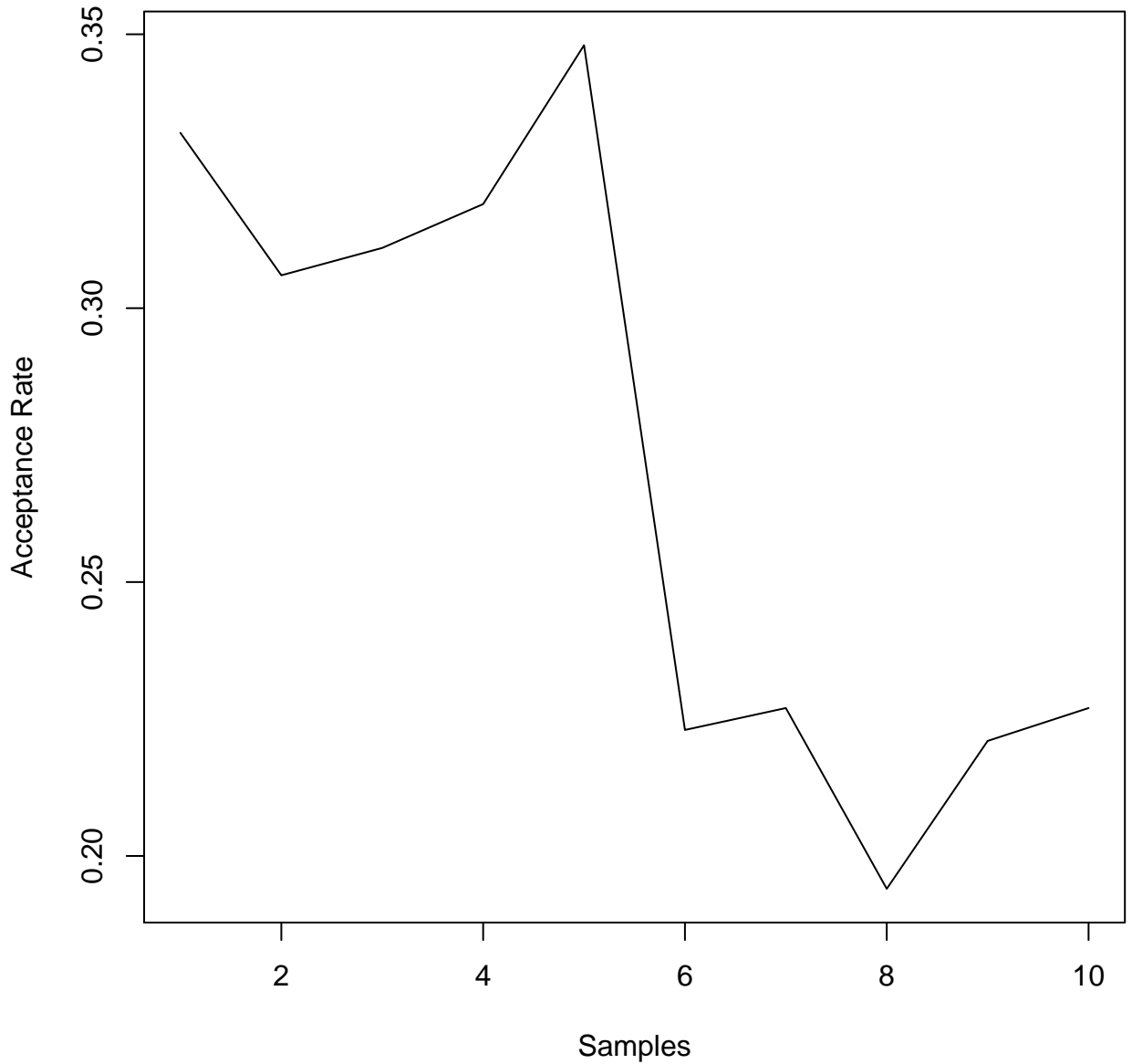




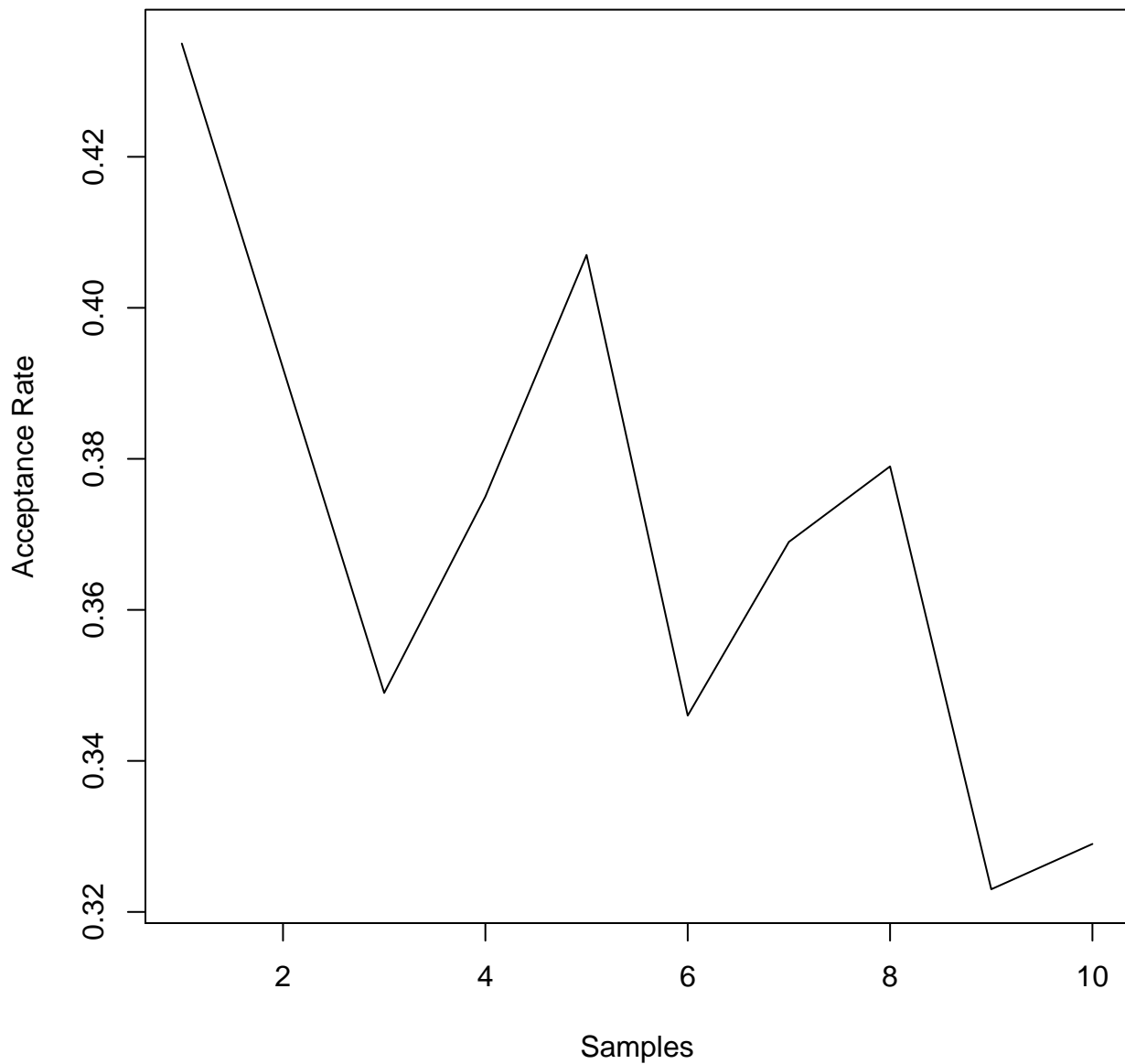
## Acceptance Rate for H



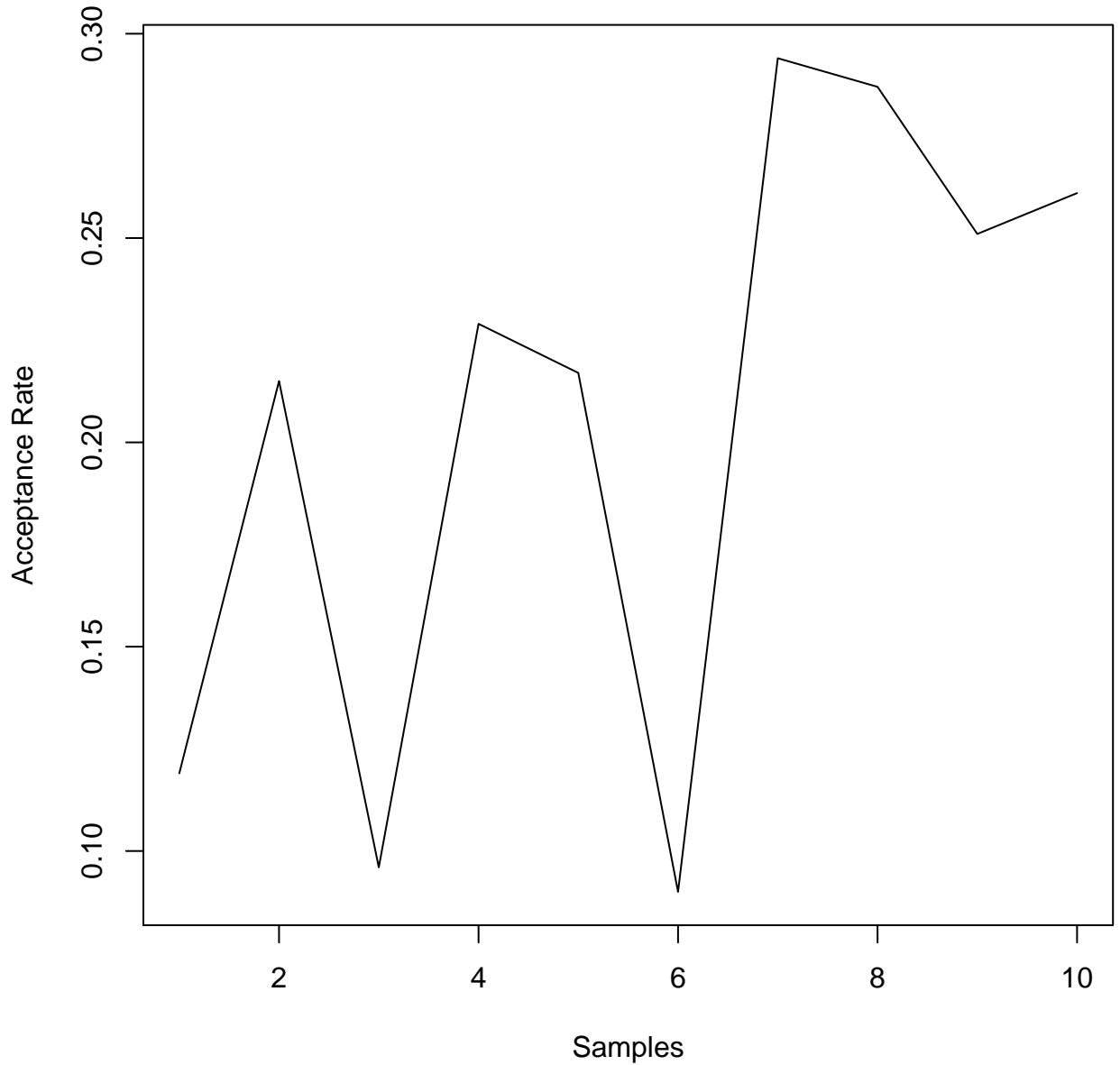
**Acceptace Rate for I**



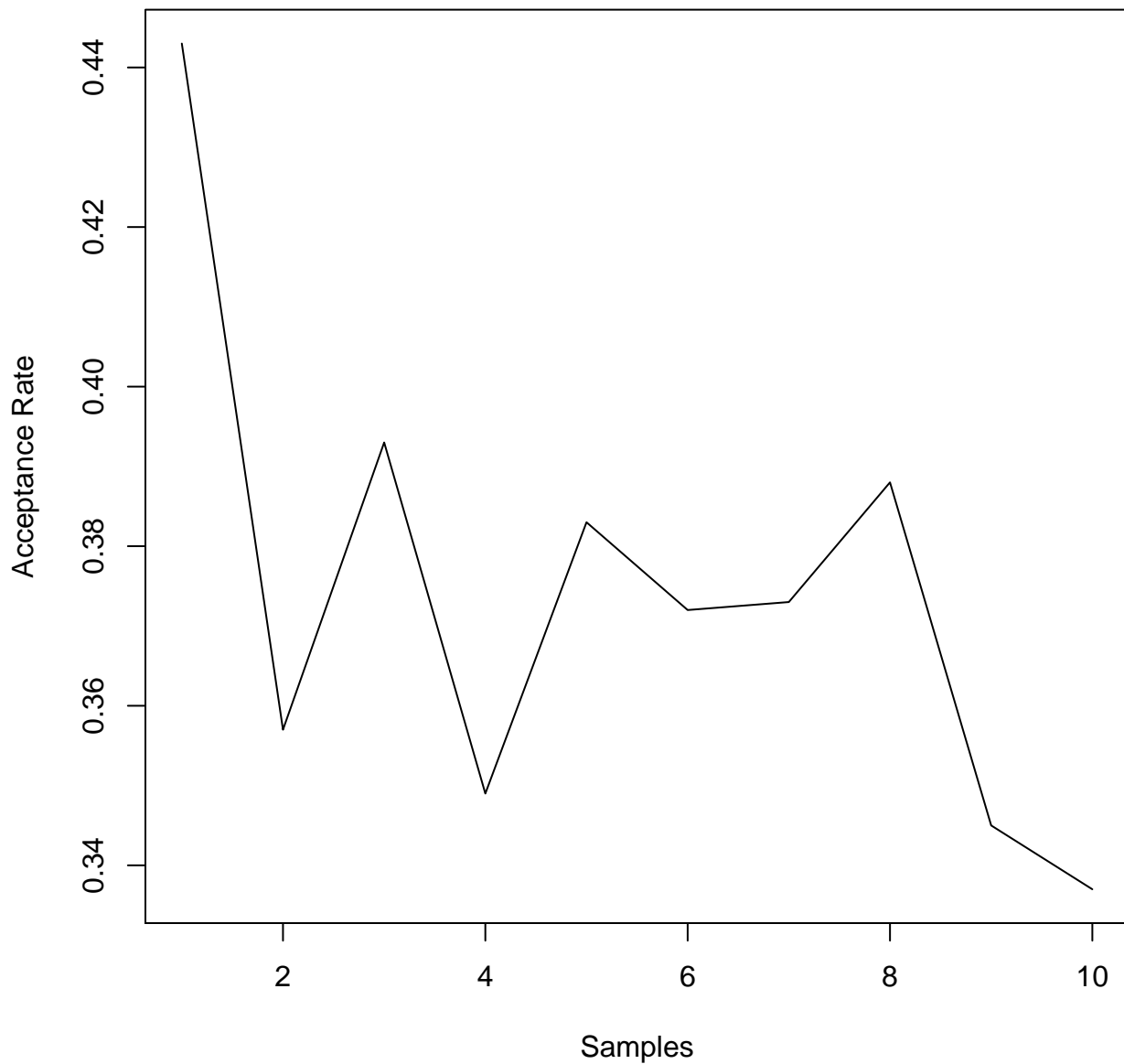
## Acceptance Rate for K



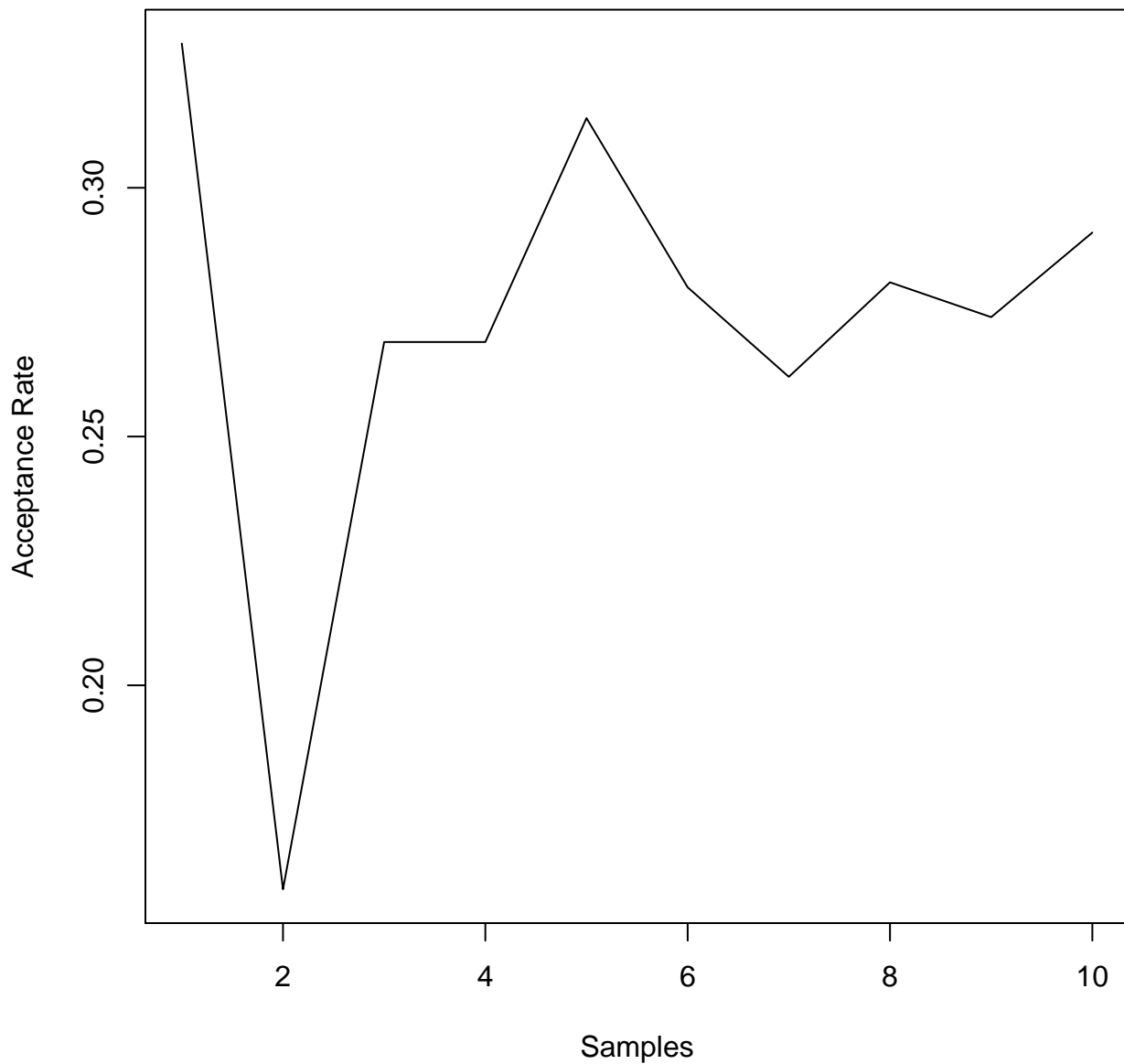
**Acceptance Rate for L**



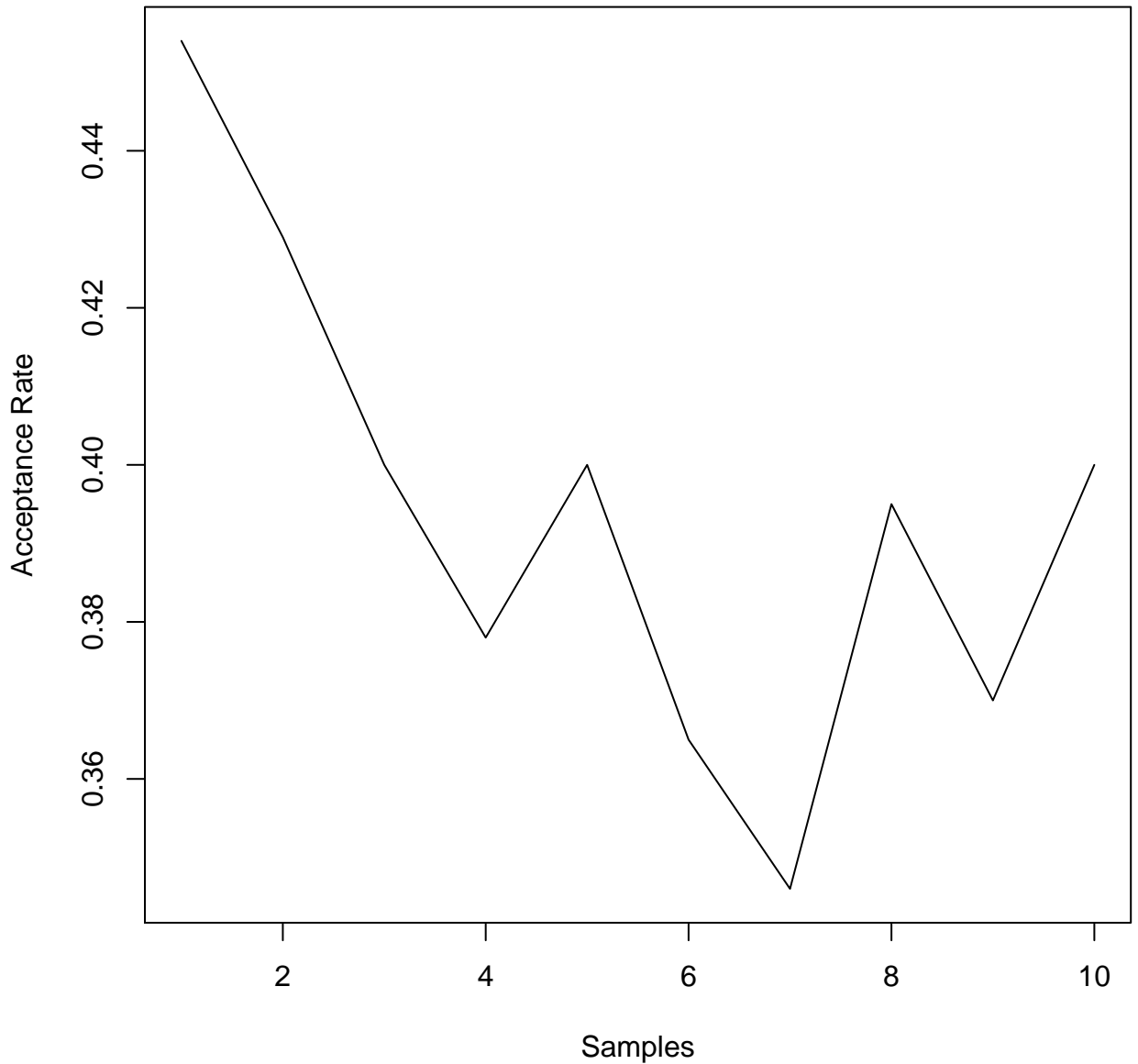
## Acceptance Rate for N



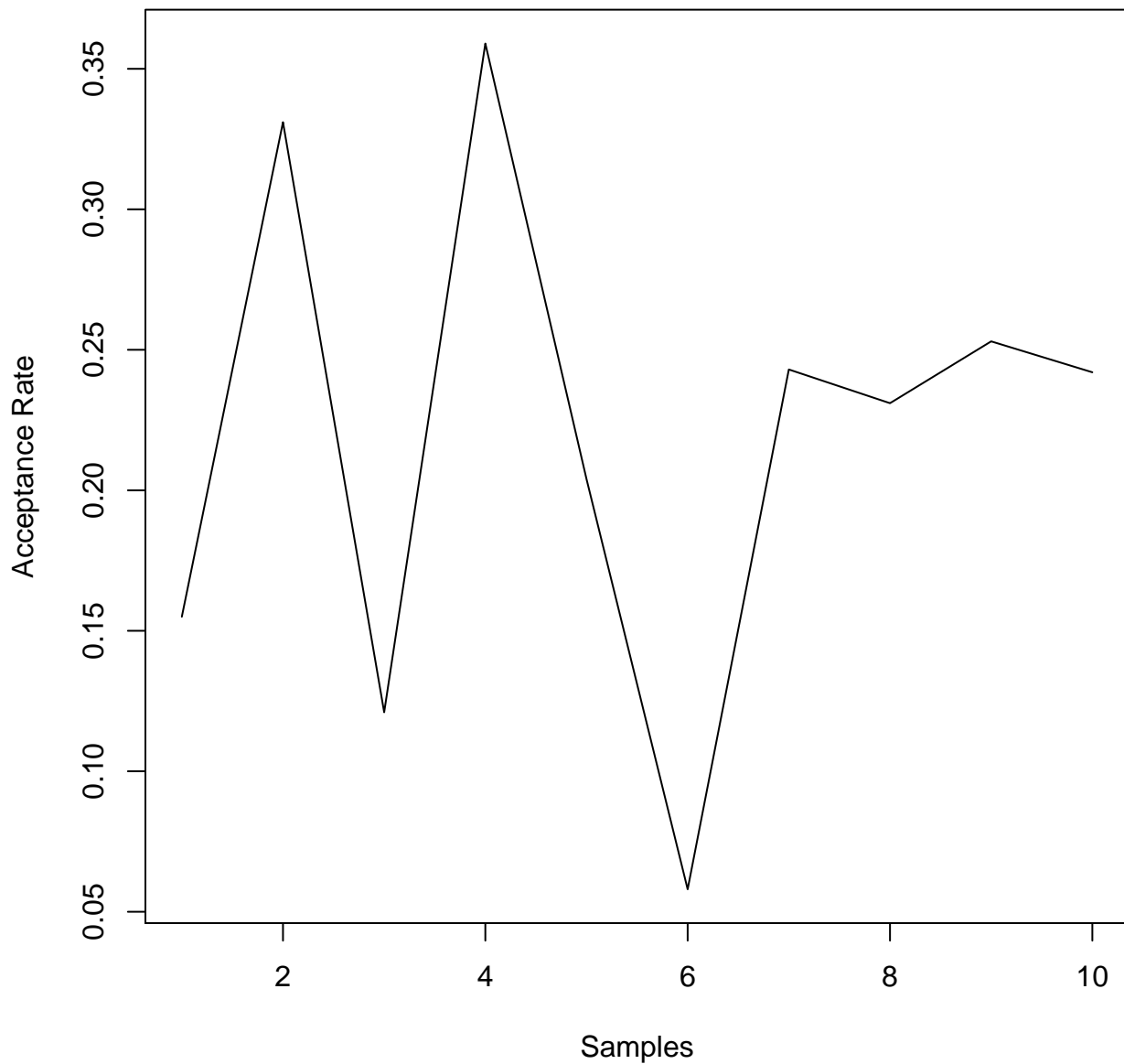
**Acceptance Rate for P**



**Acceptance Rate for Q**

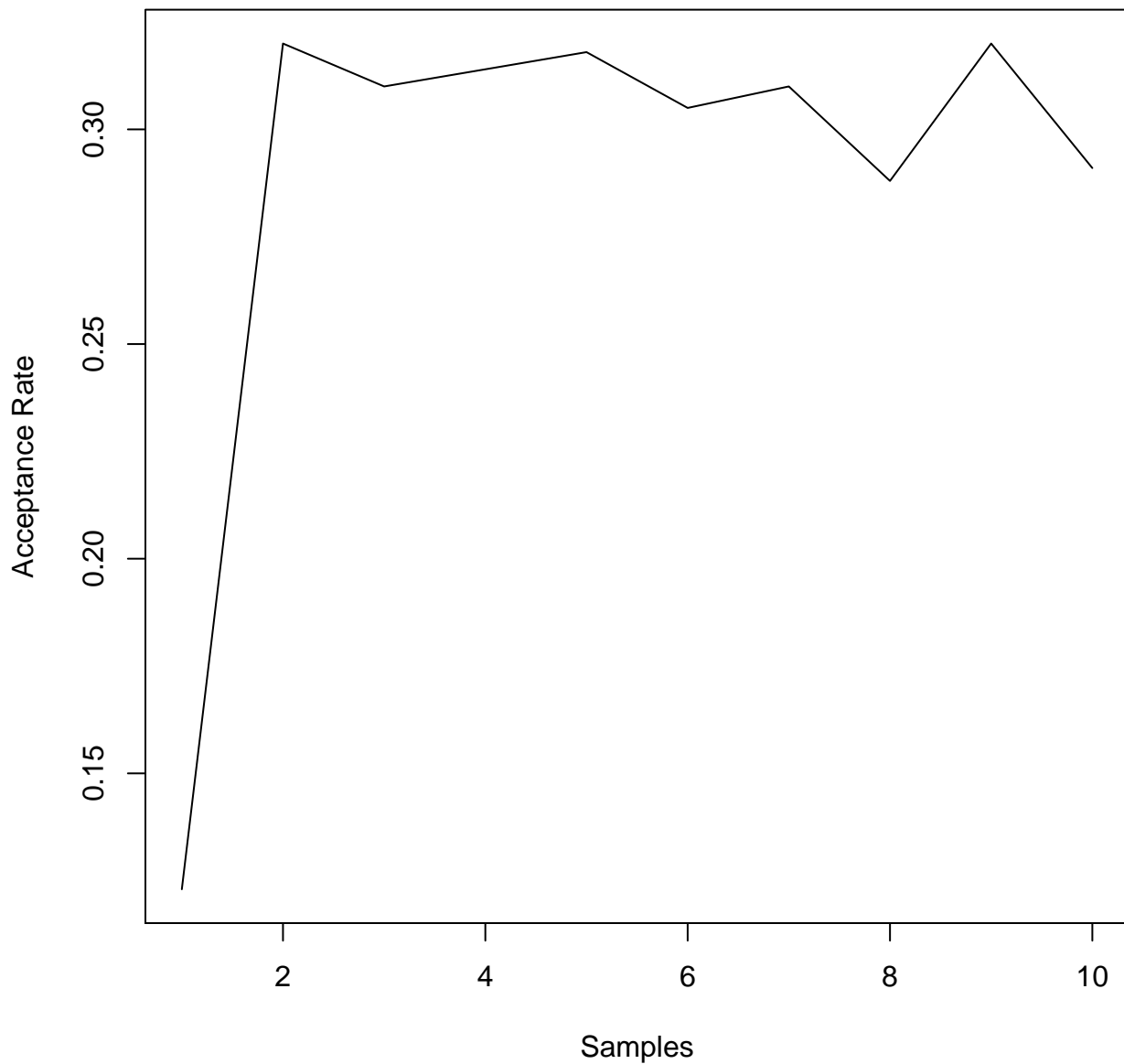


## Acceptance Rate for R

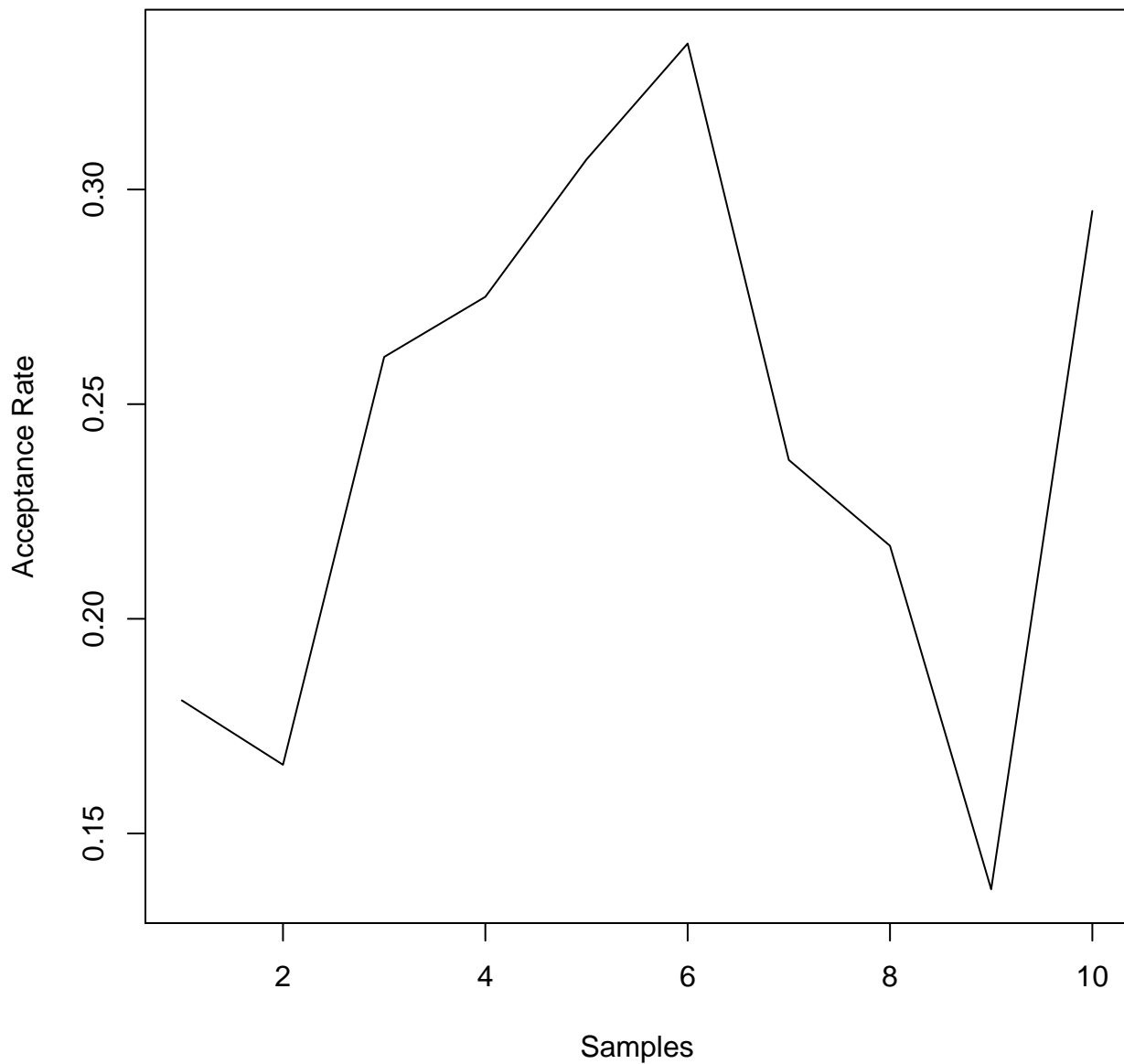




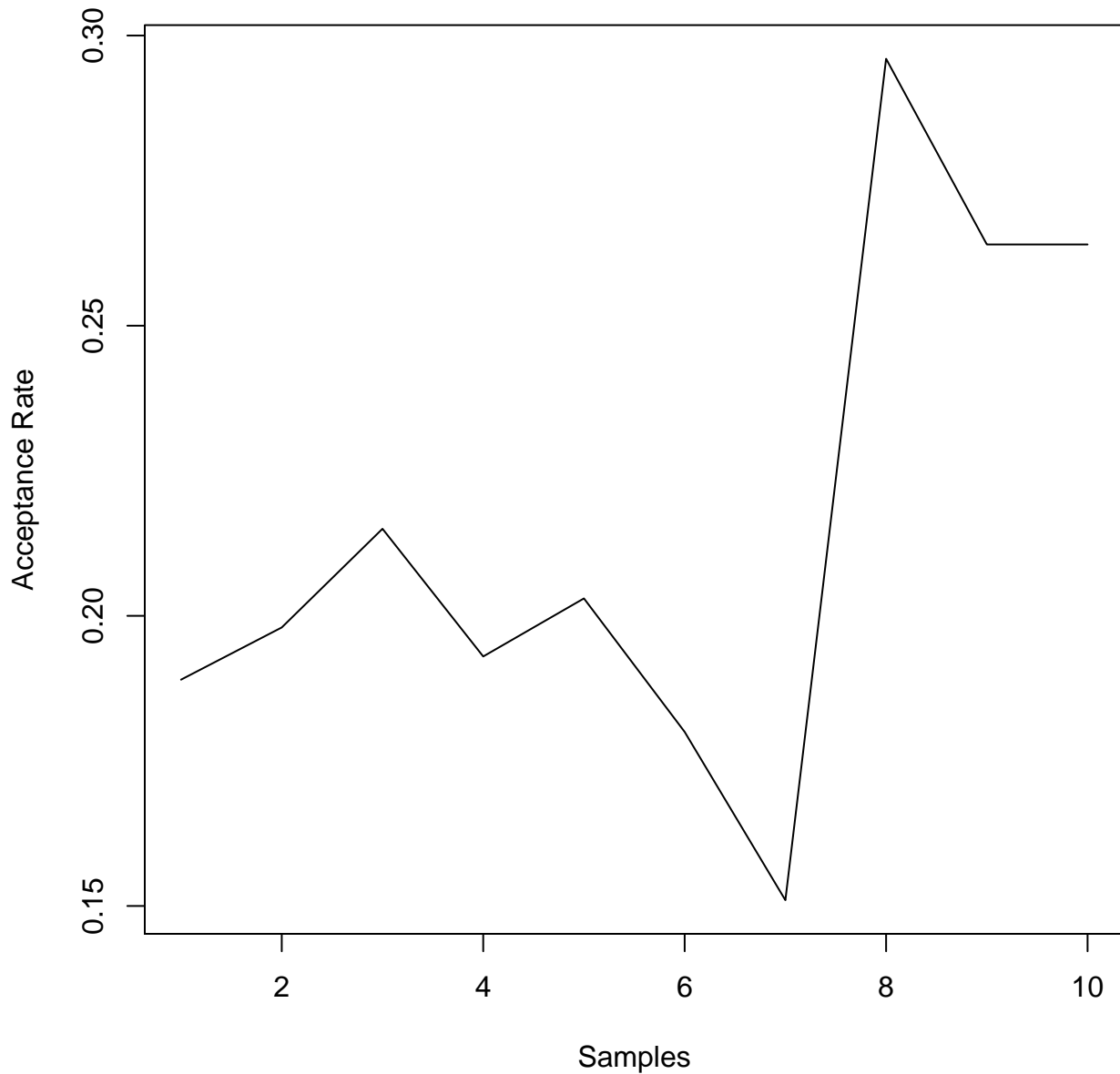
**Acceptance Rate for S**



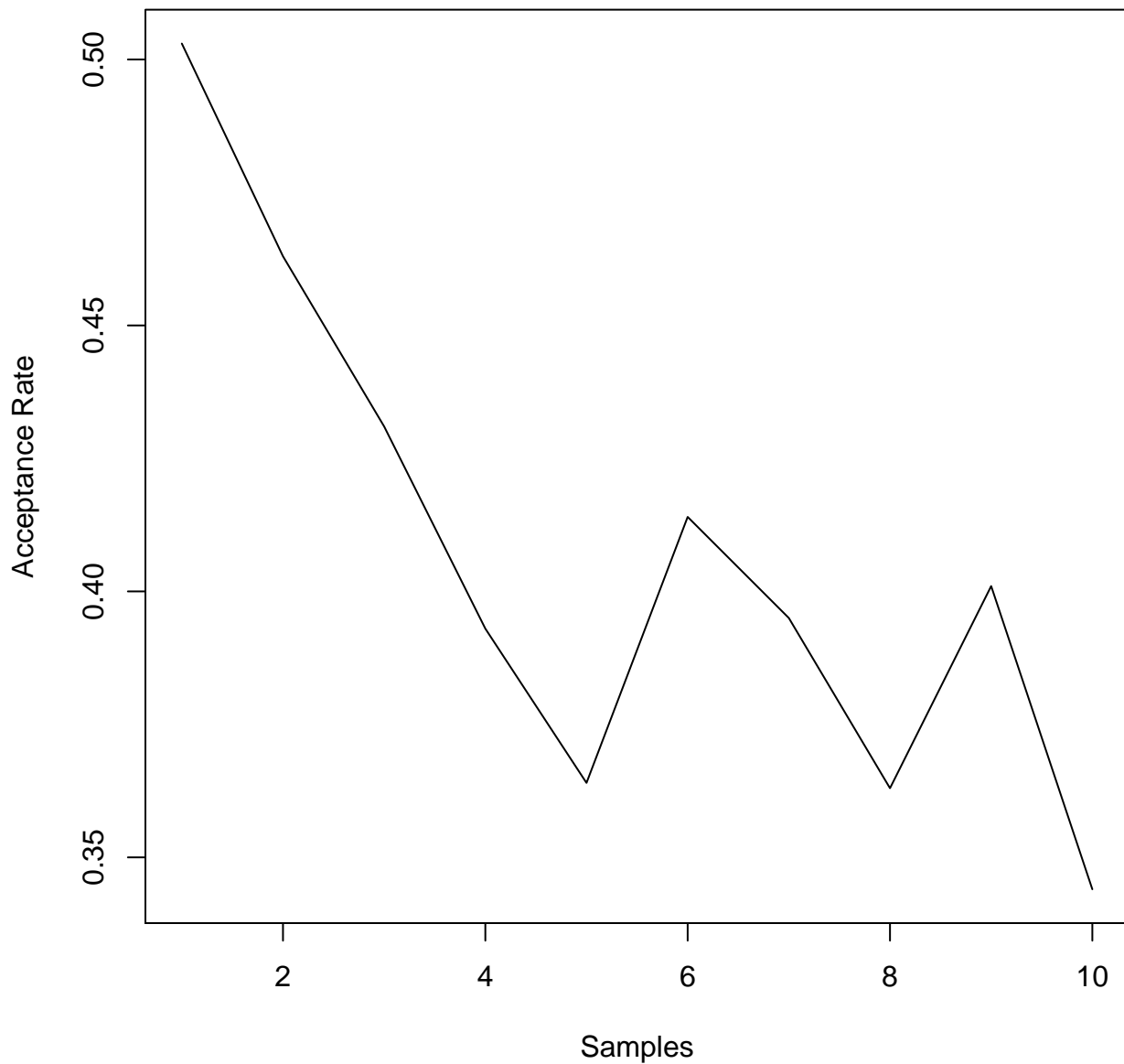
**Acceptace Rate for T**



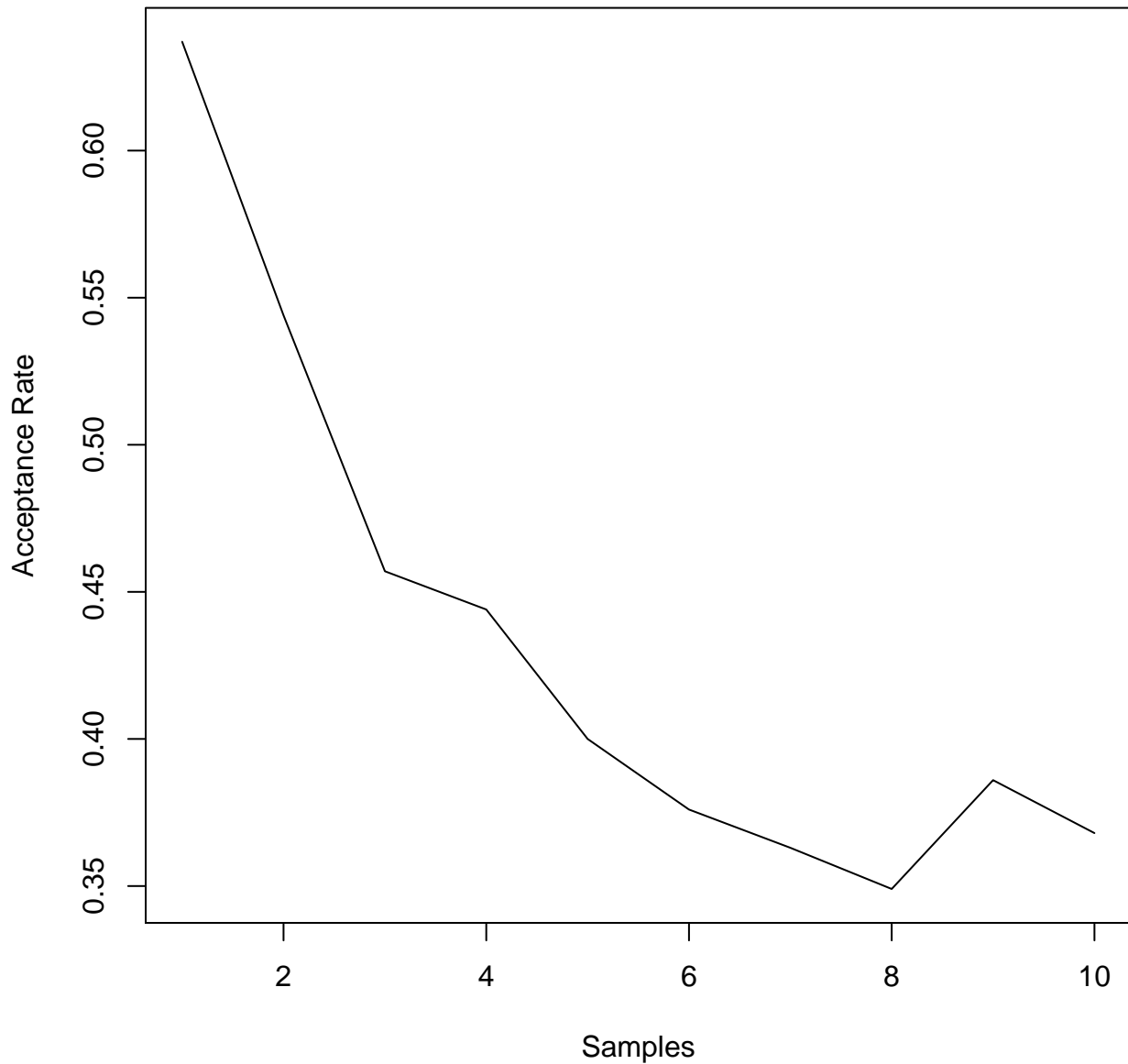
**Acceptance Rate for V**



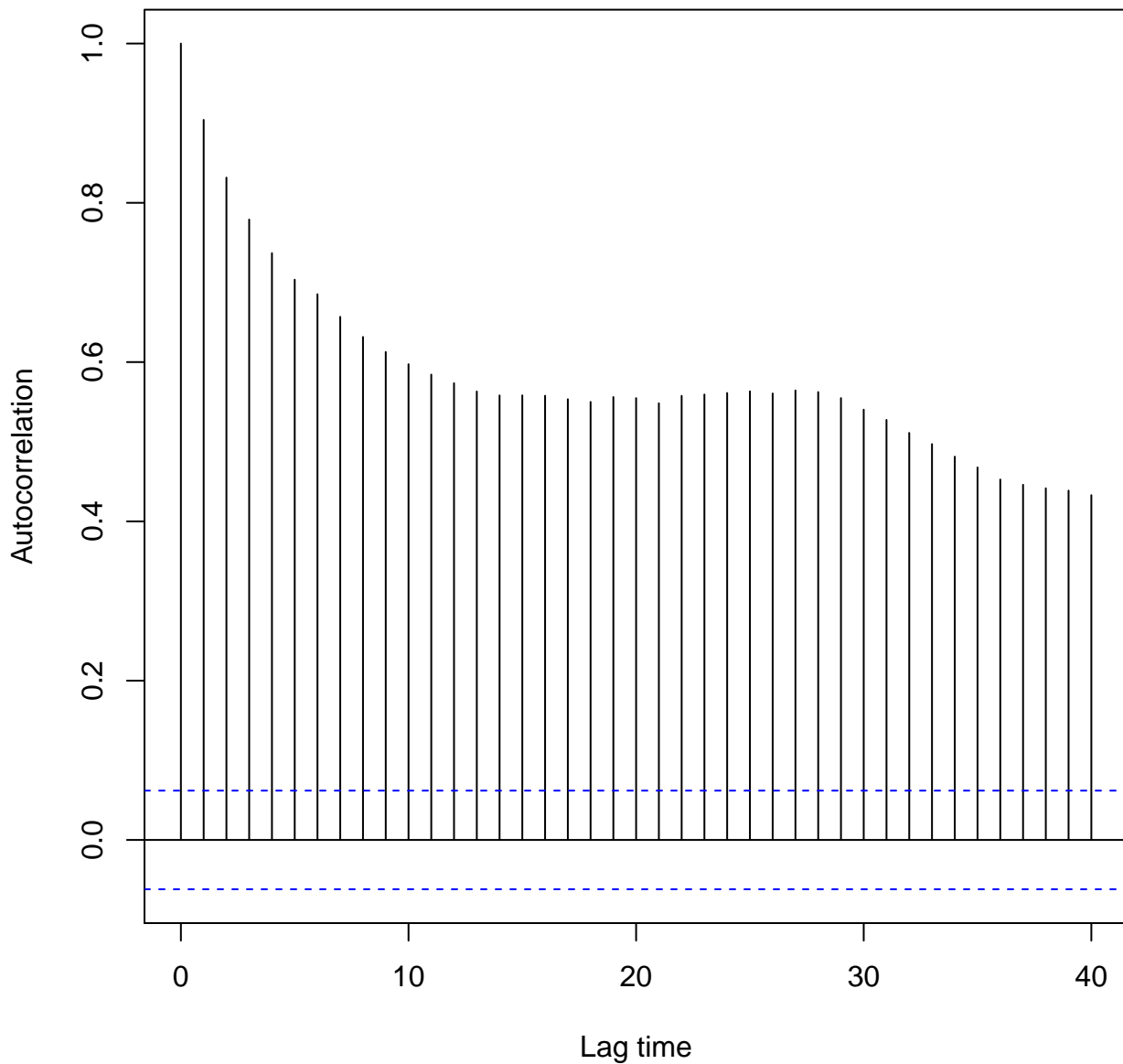
**Acceptance Rate for Y**



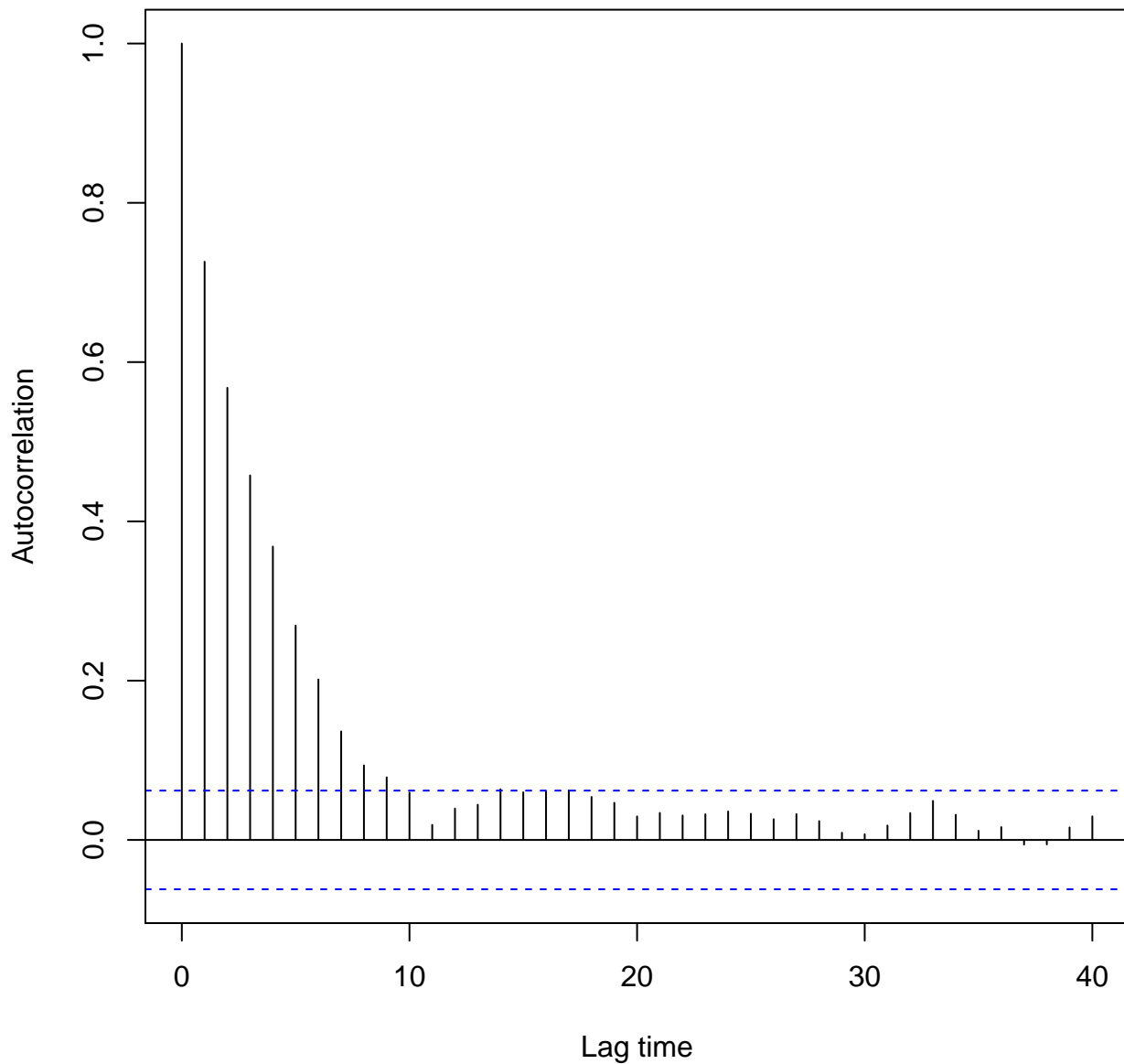
## Acceptance Rate for Z



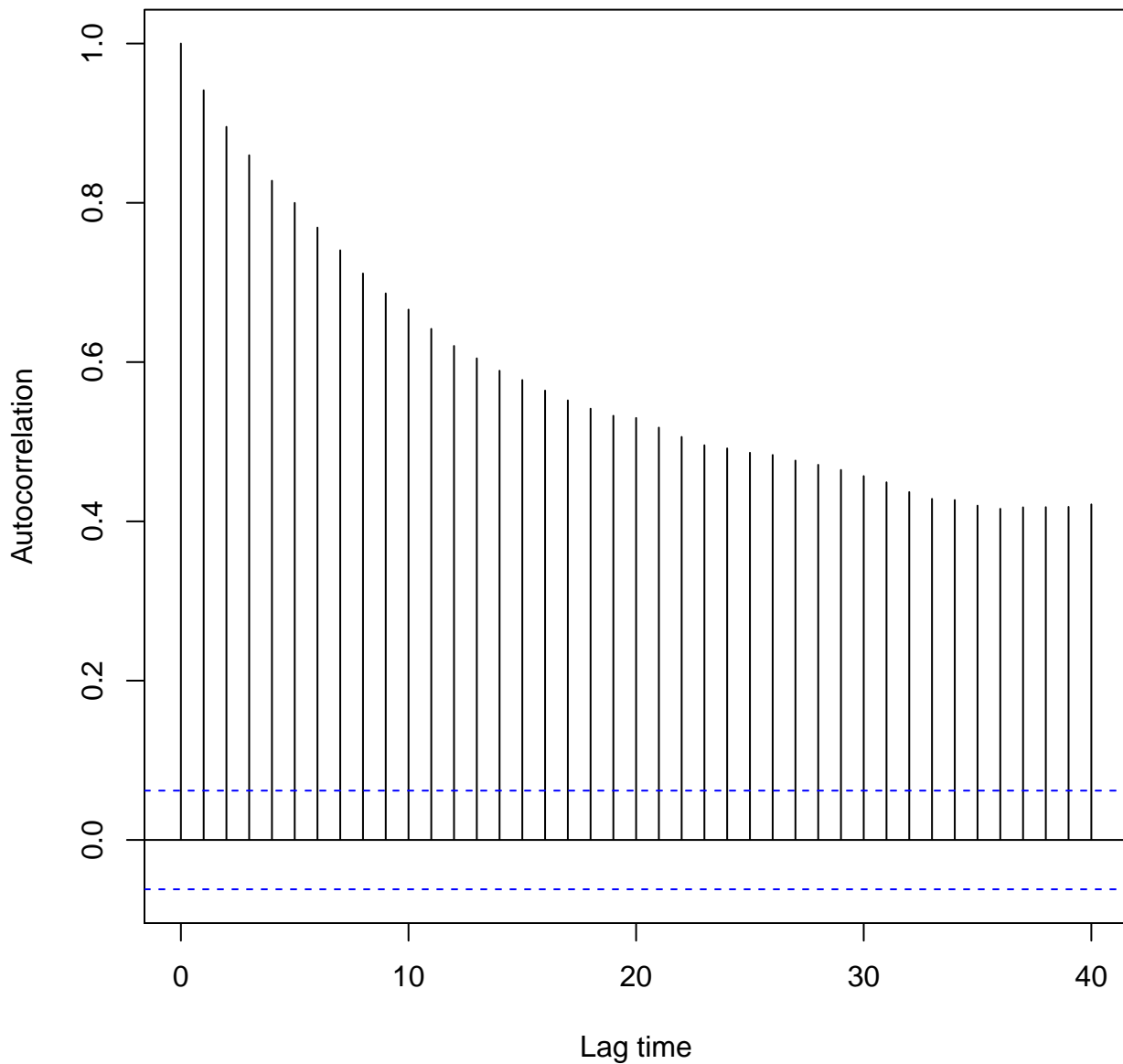
# Selection A GCA Mixture: 1



# Selection A GCC Mixture: 1

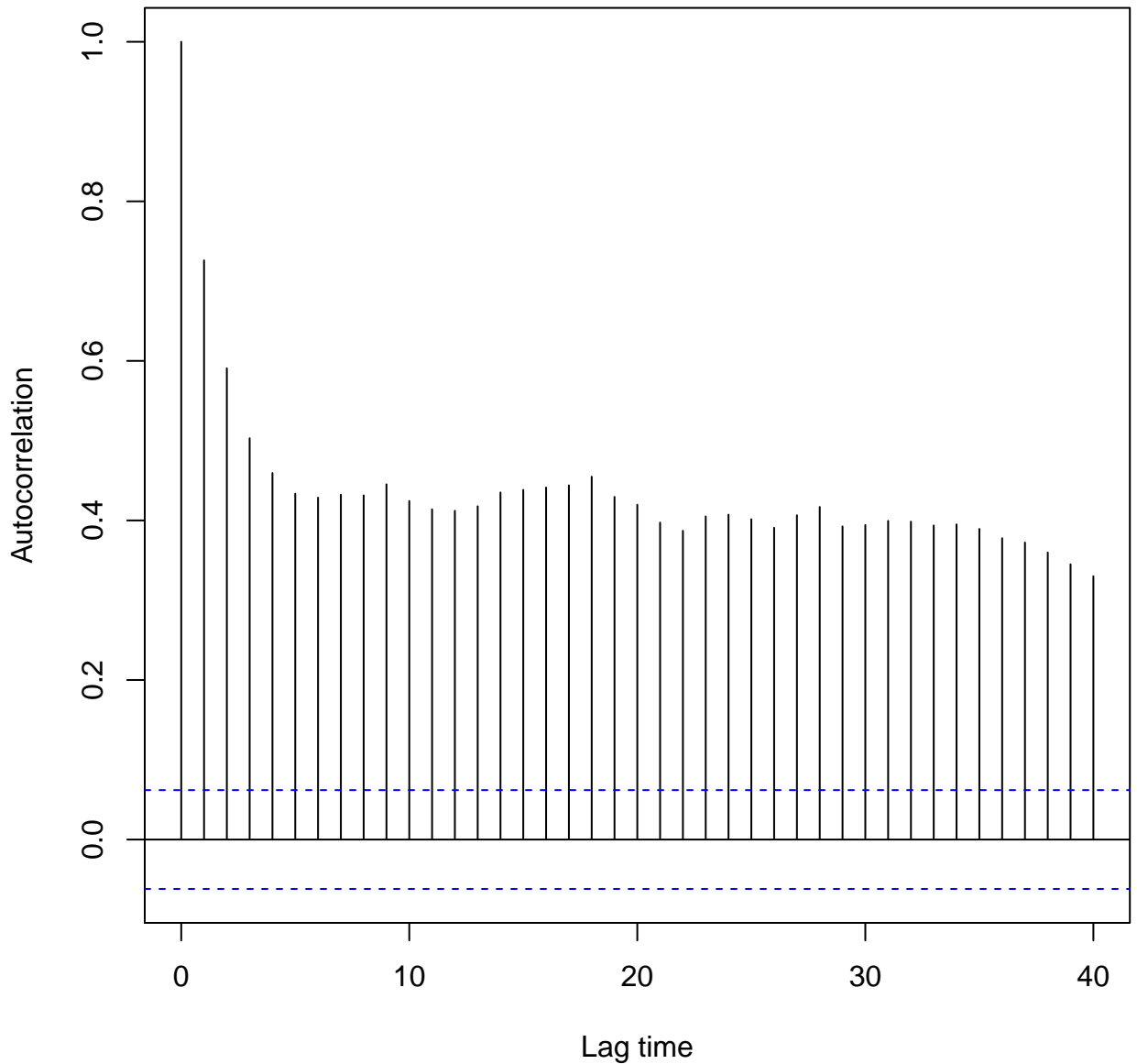


# Selection A GCG Mixture: 1

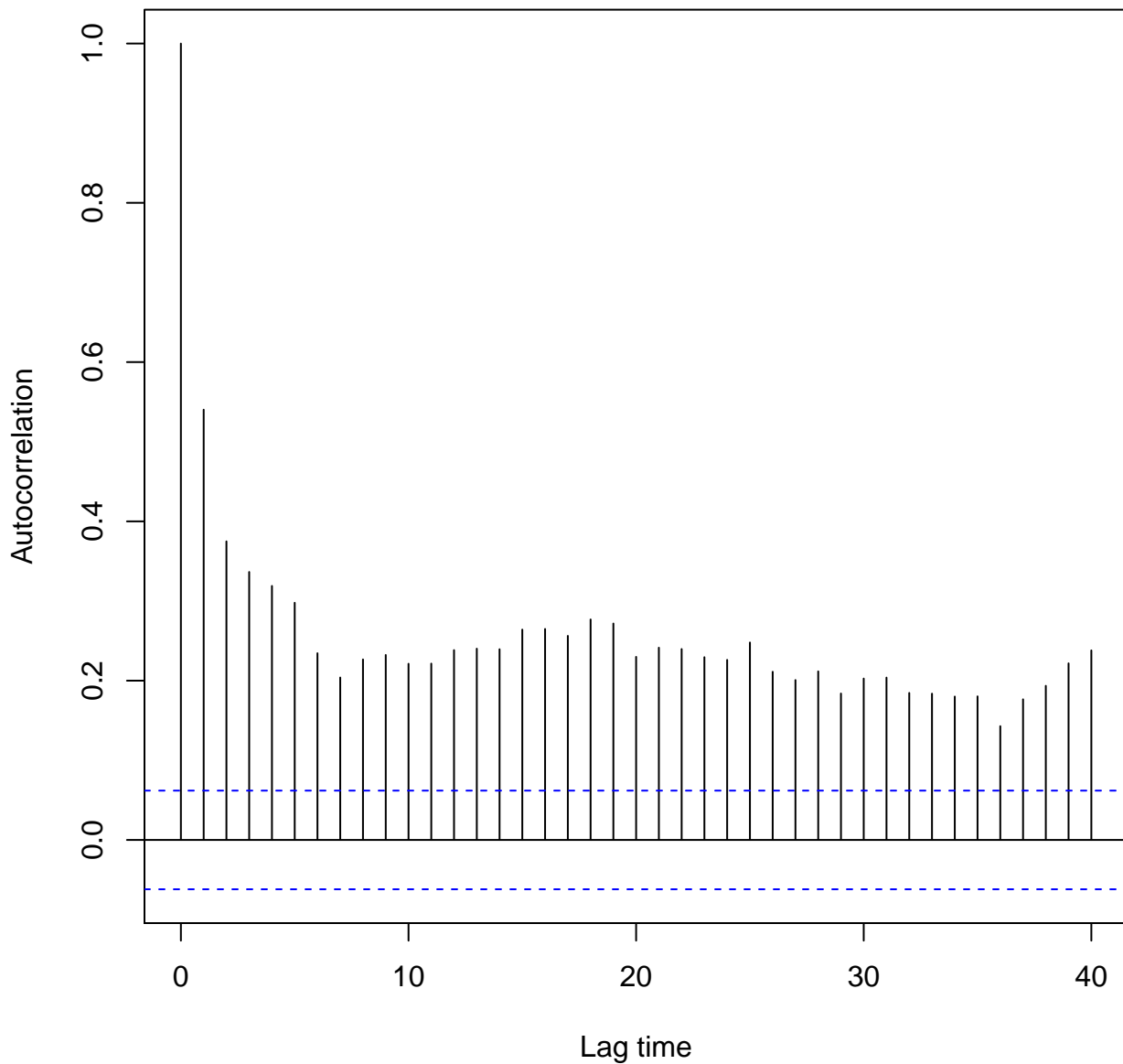




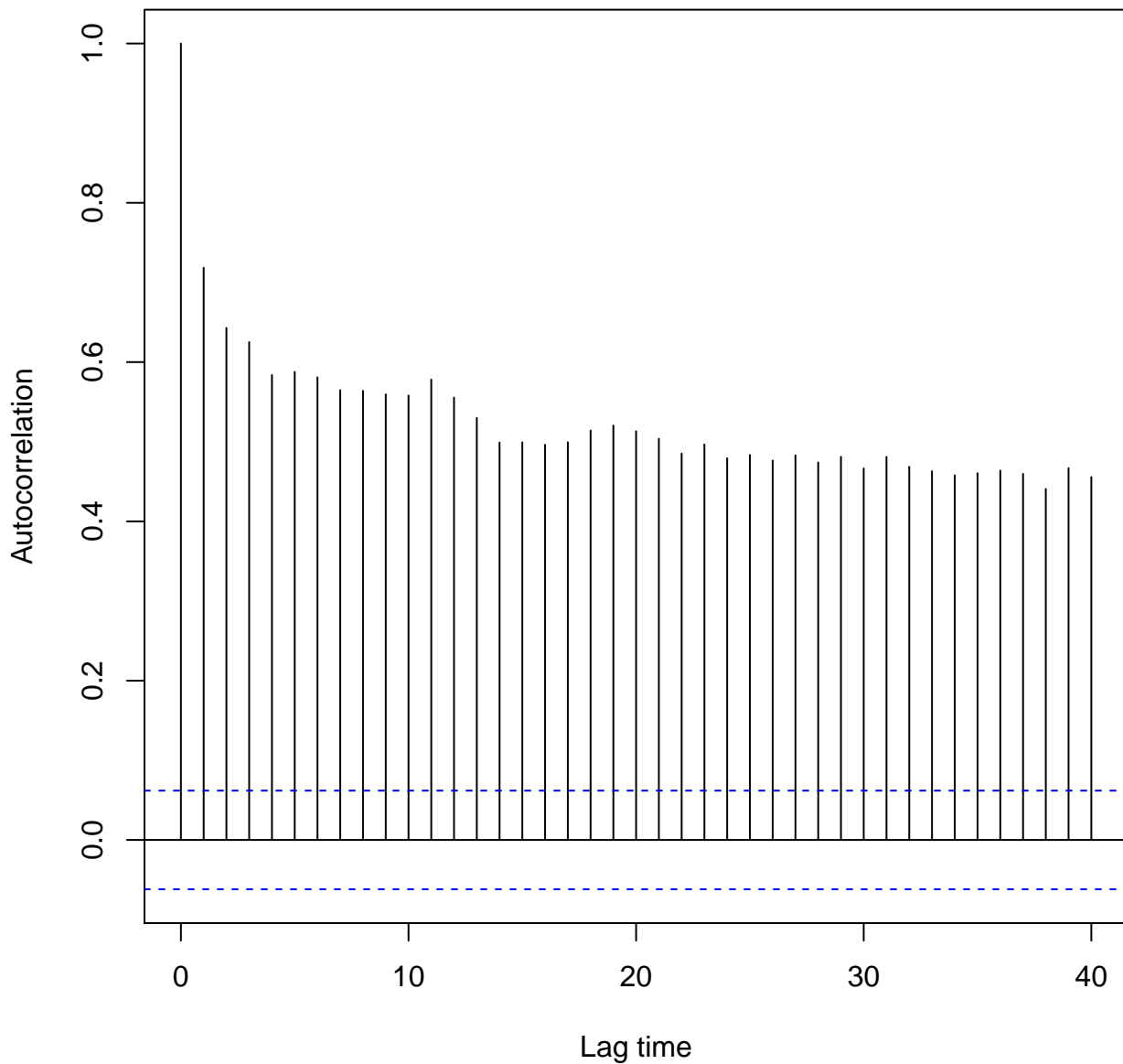
# Selection C TGC Mixture: 1



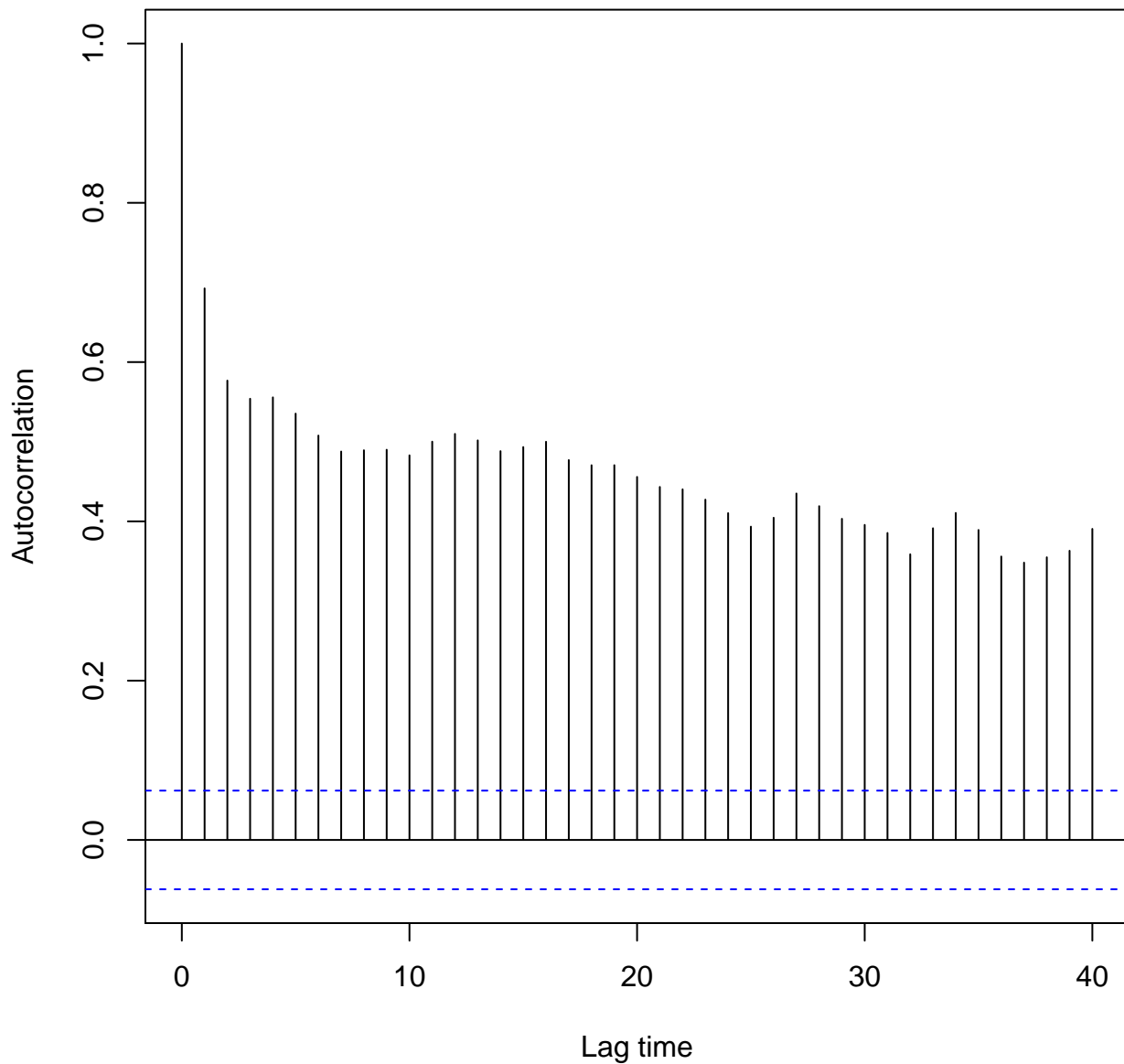
# Selection D GAC Mixture: 1



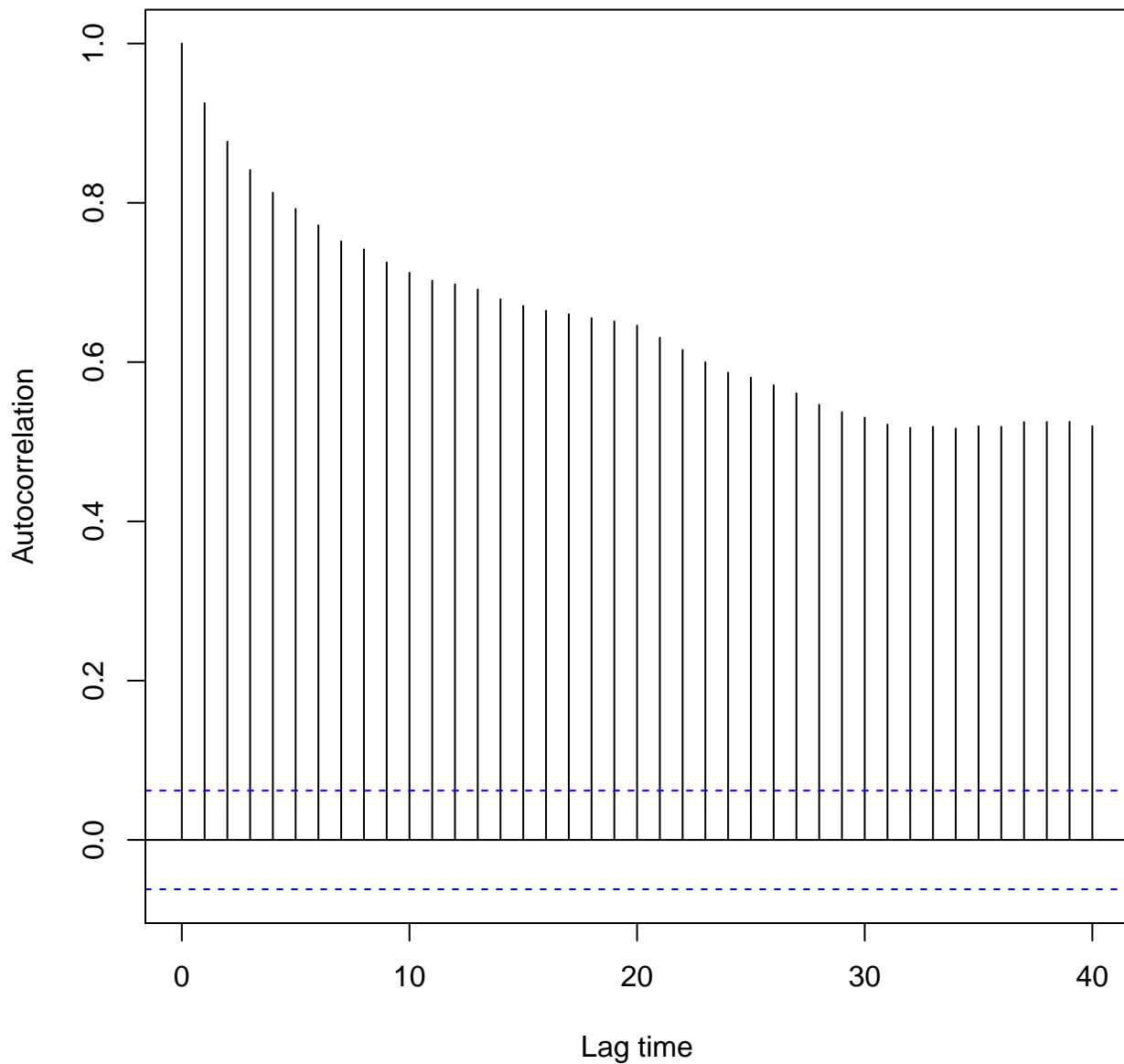
# Selection E GAA Mixture: 1



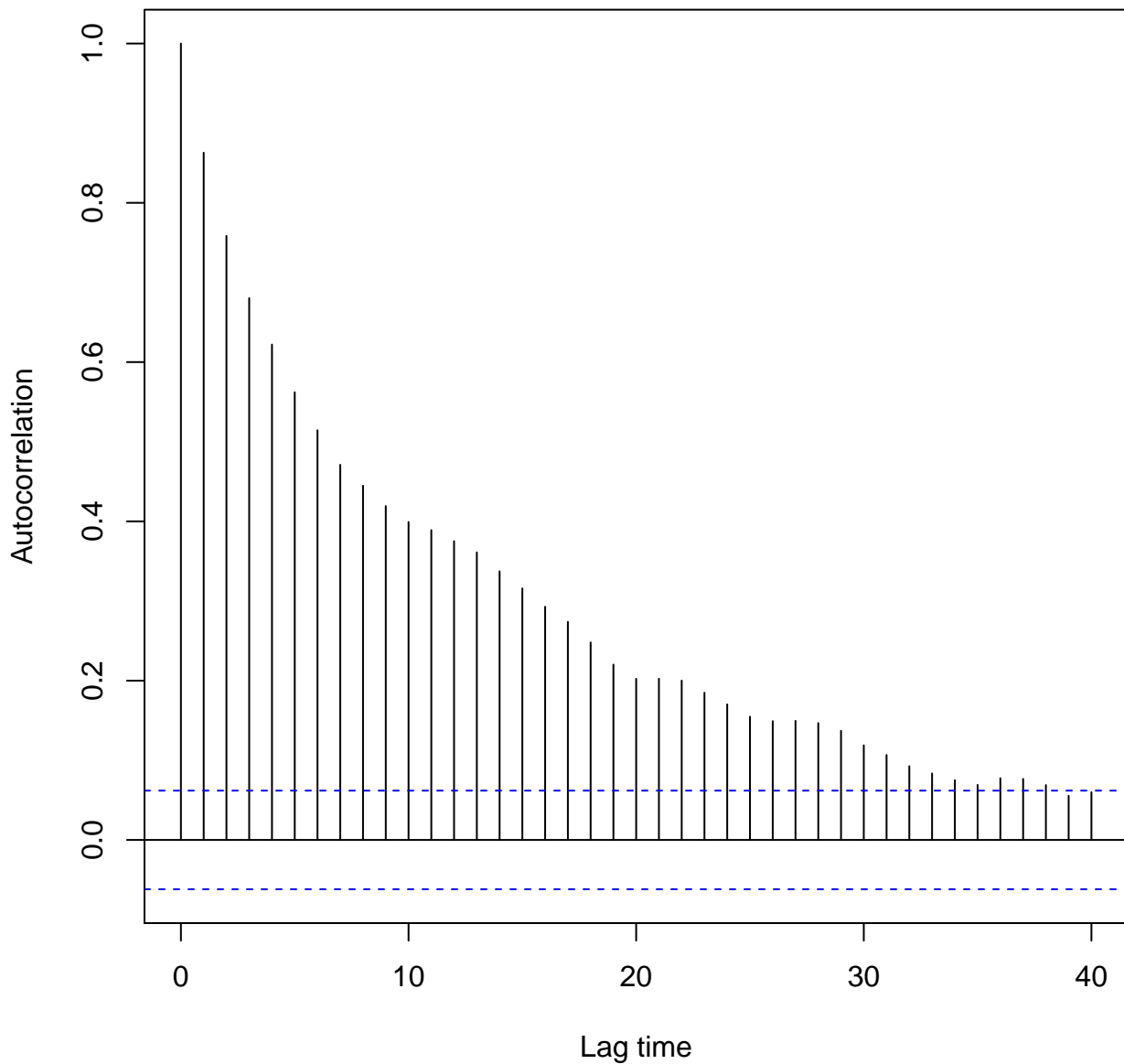
# Selection F TTC Mixture: 1



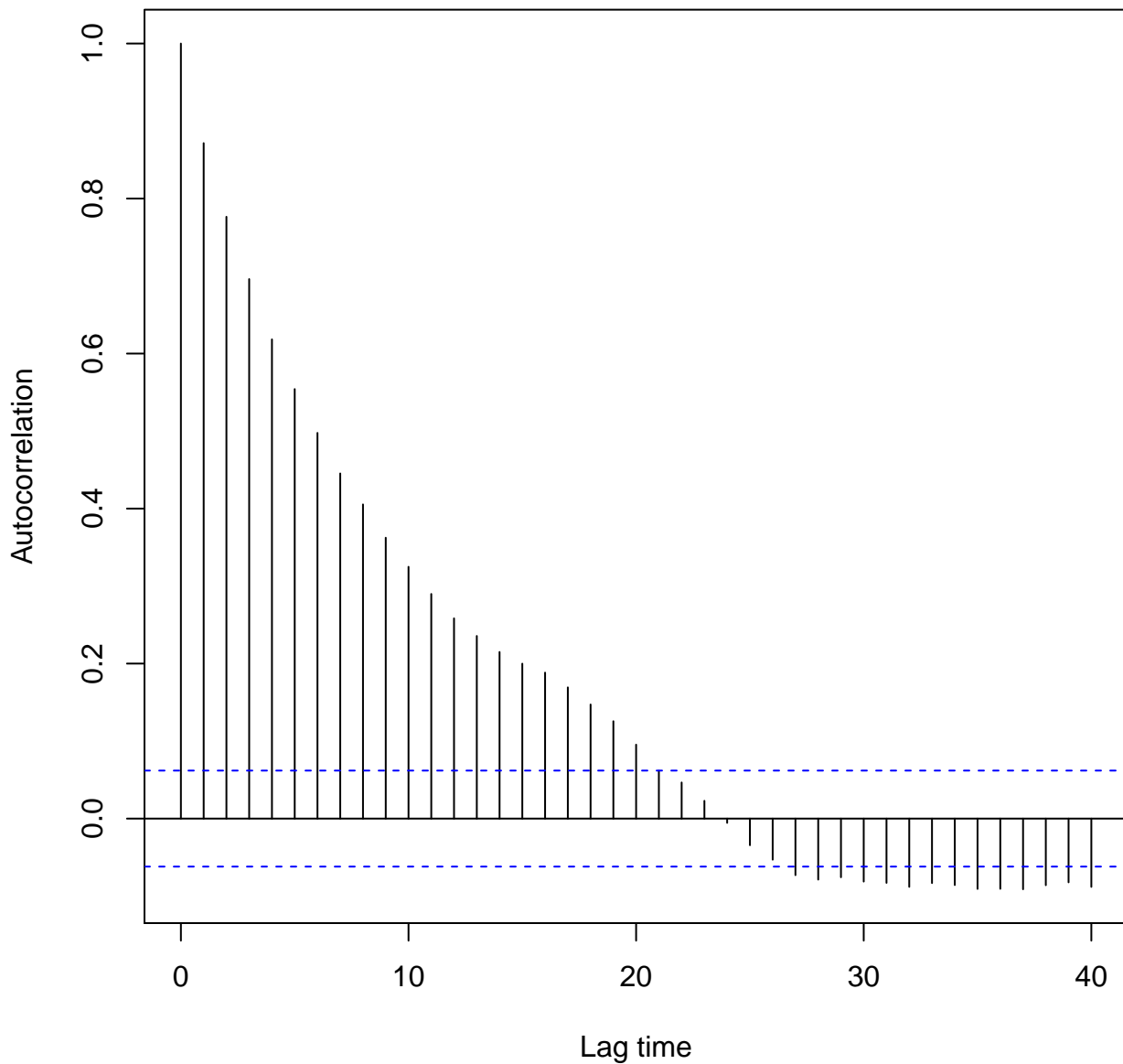
# Selection G GGA Mixture: 1



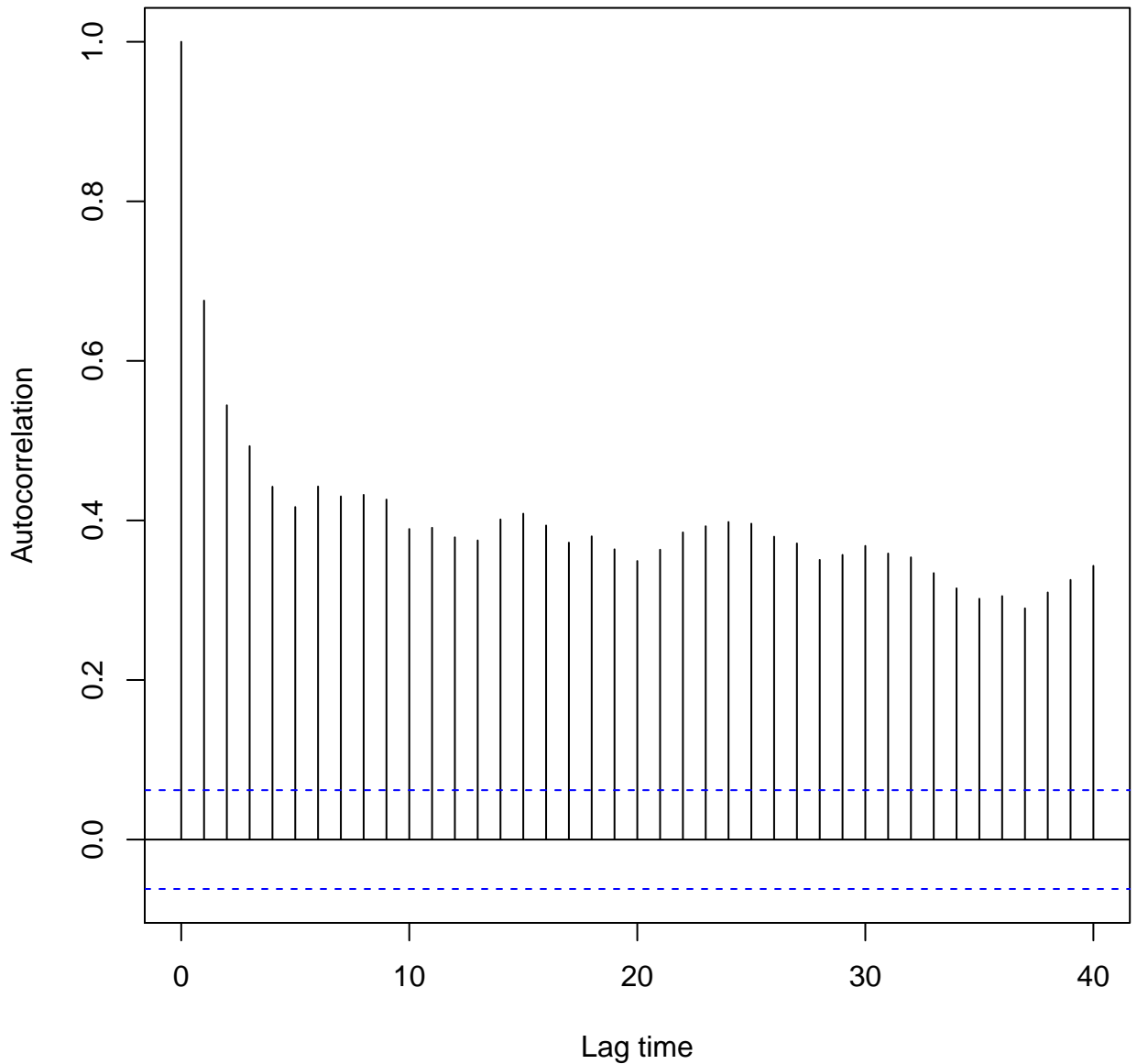
# Selection G GGC Mixture: 1



# Selection G GGG Mixture: 1

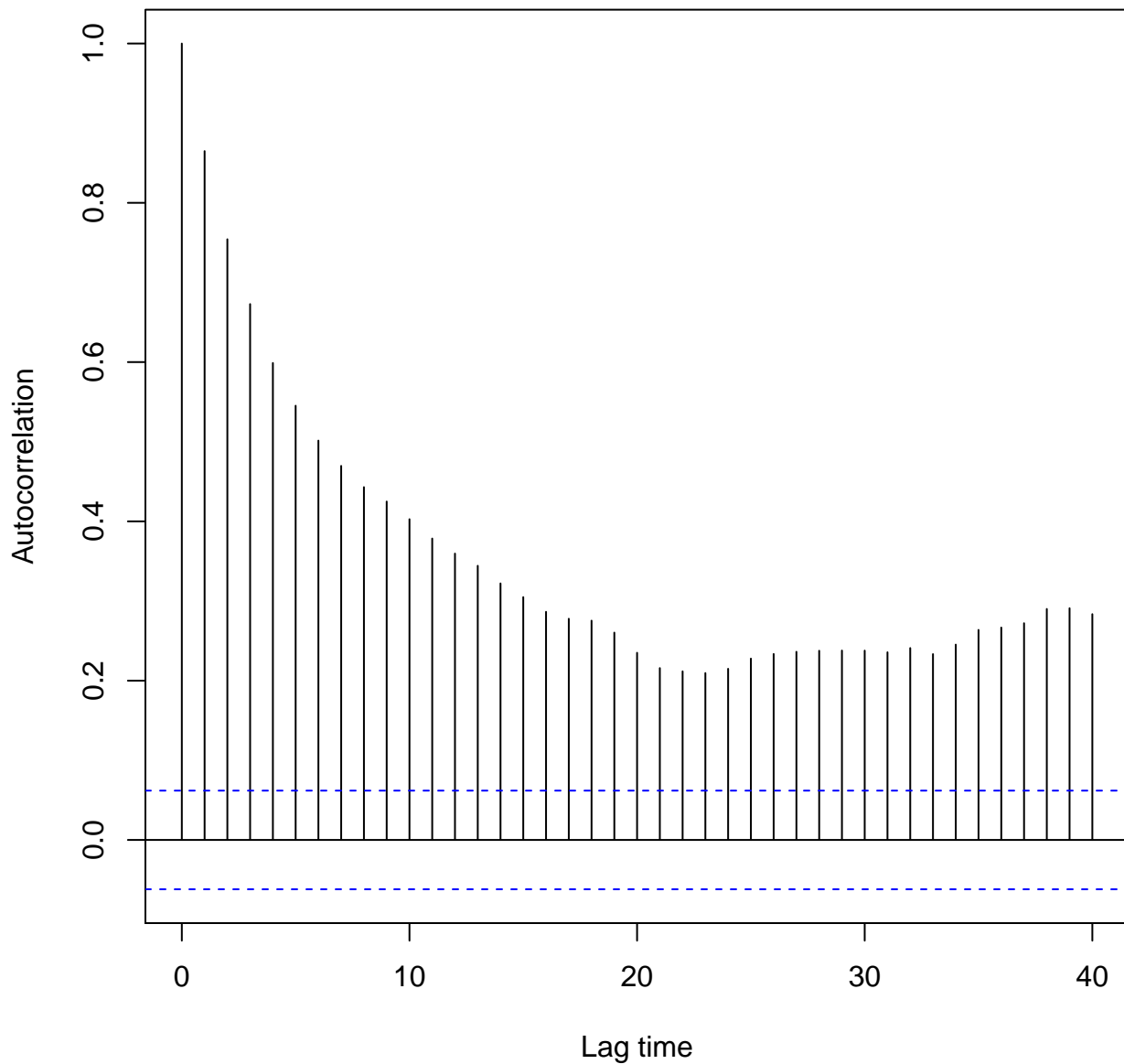


# Selection H CAC Mixture: 1

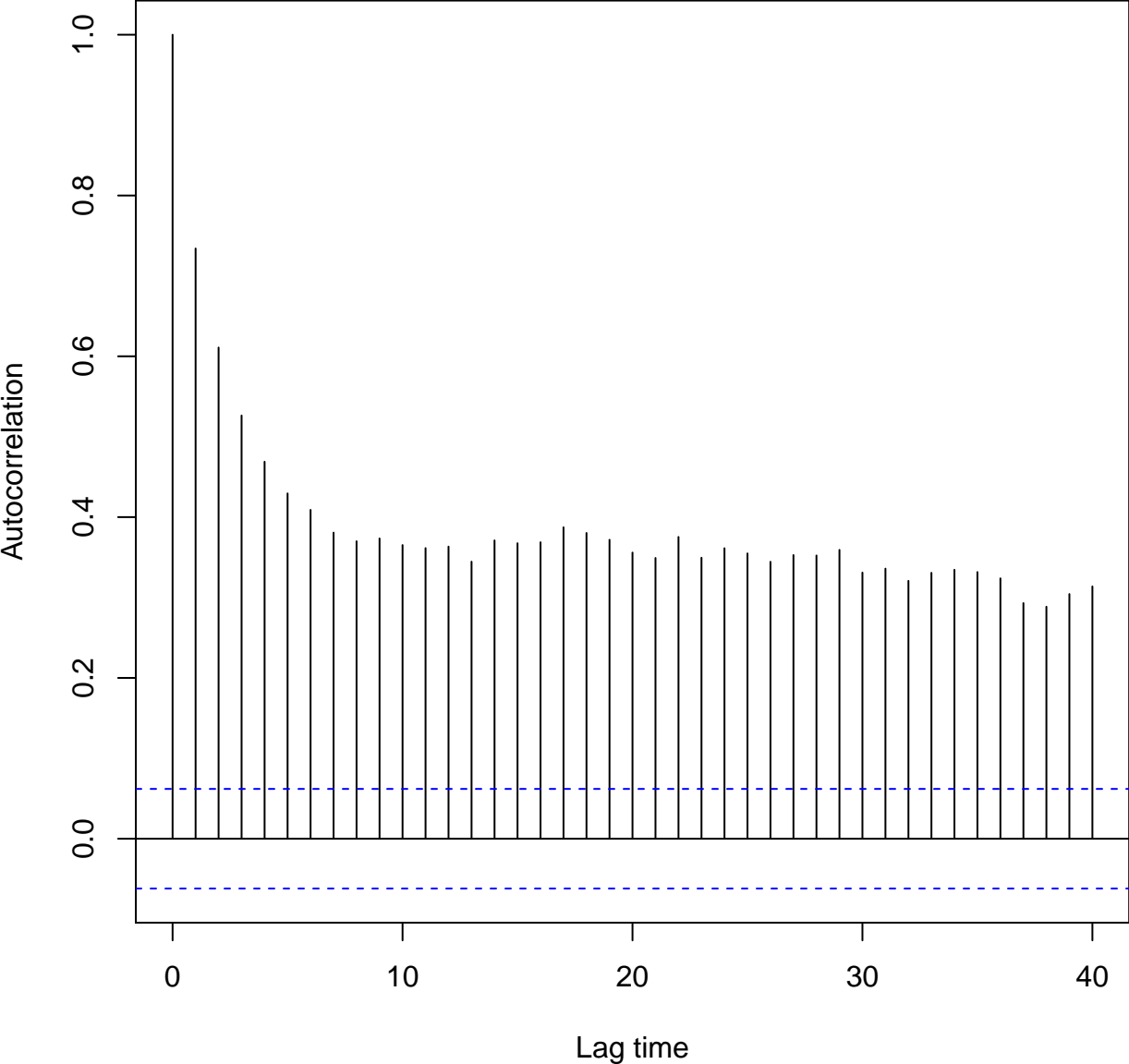




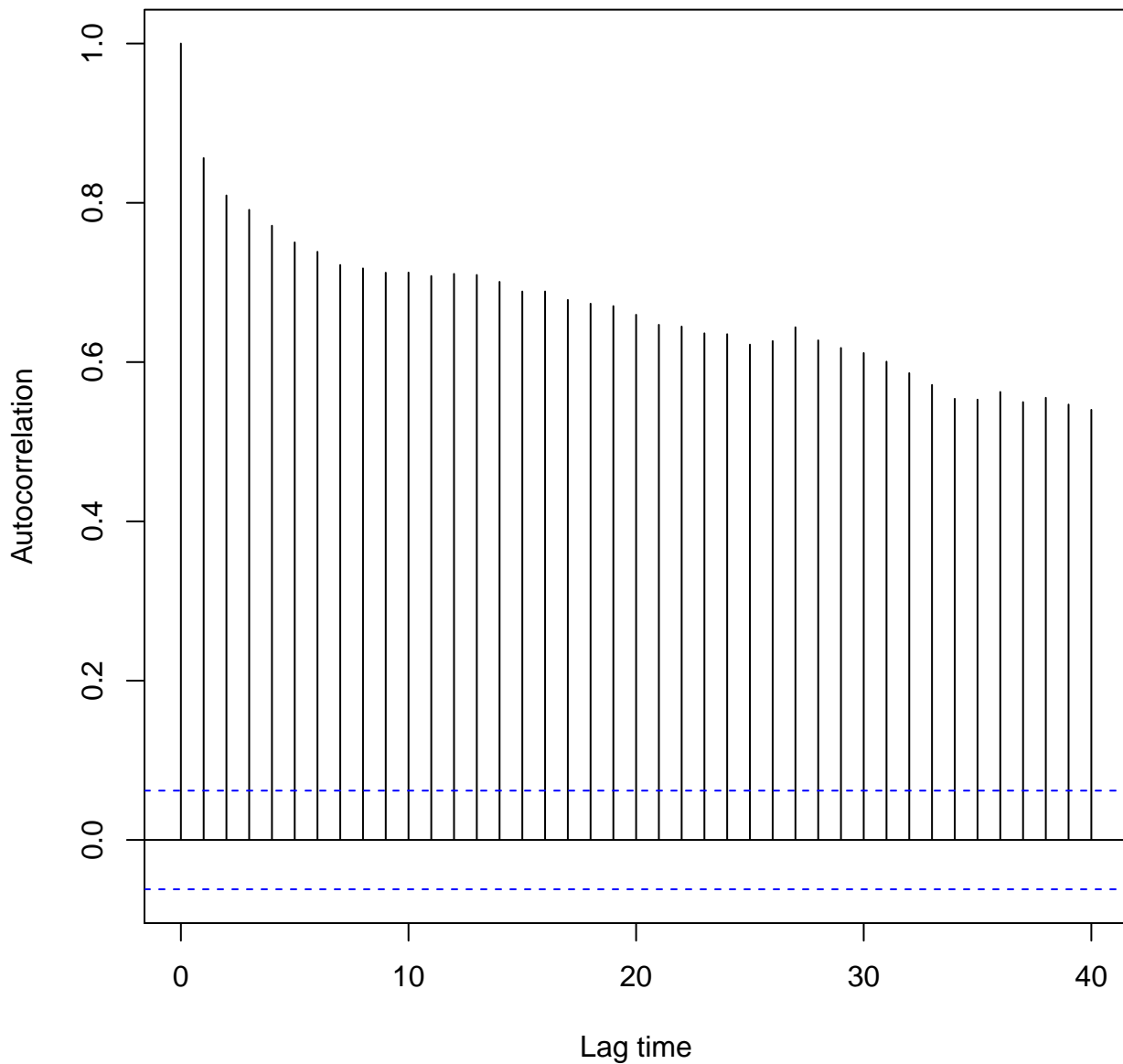
# Selection I ATA Mixture: 1



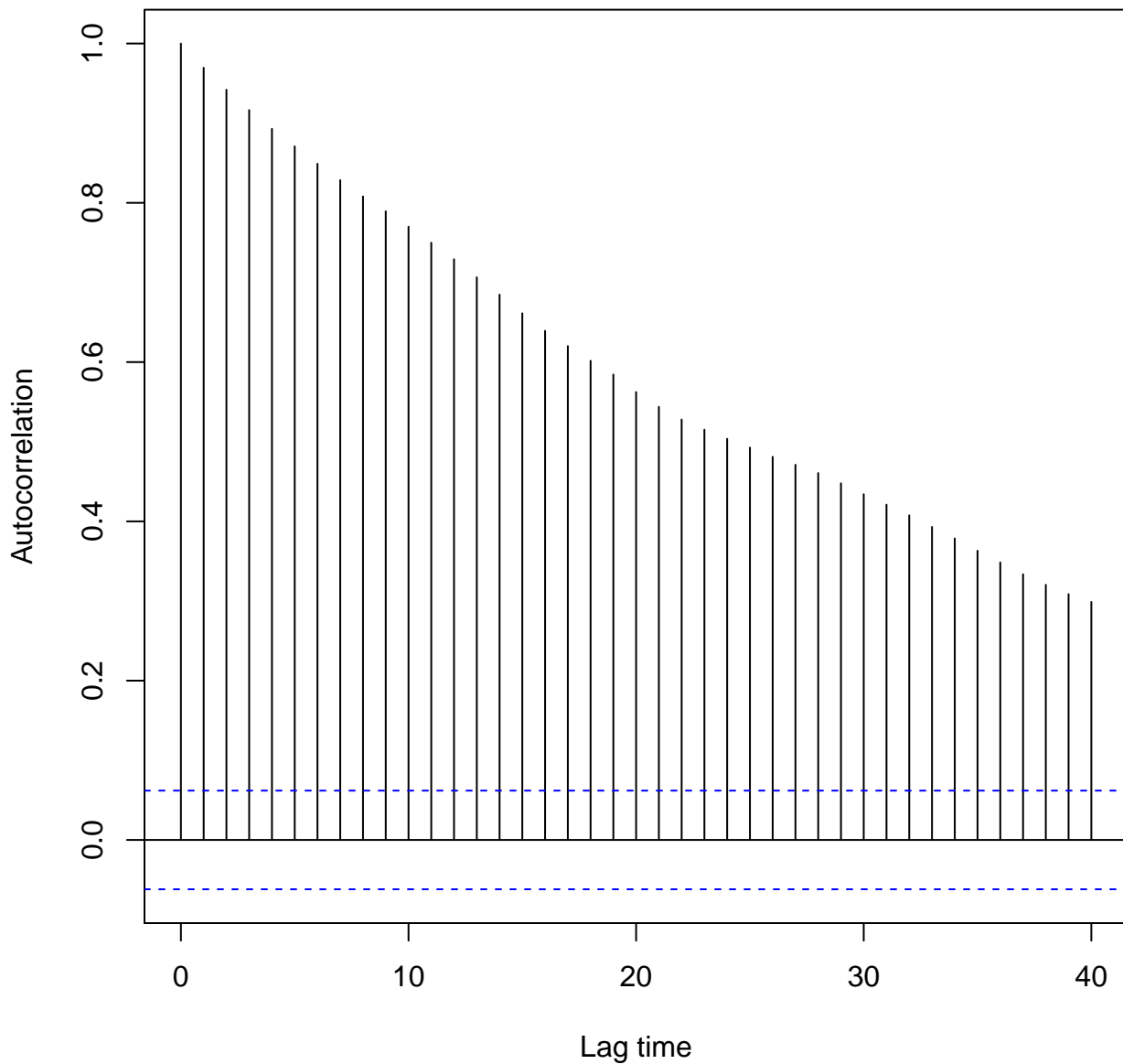
**Selection I ATC Mixture: 1**



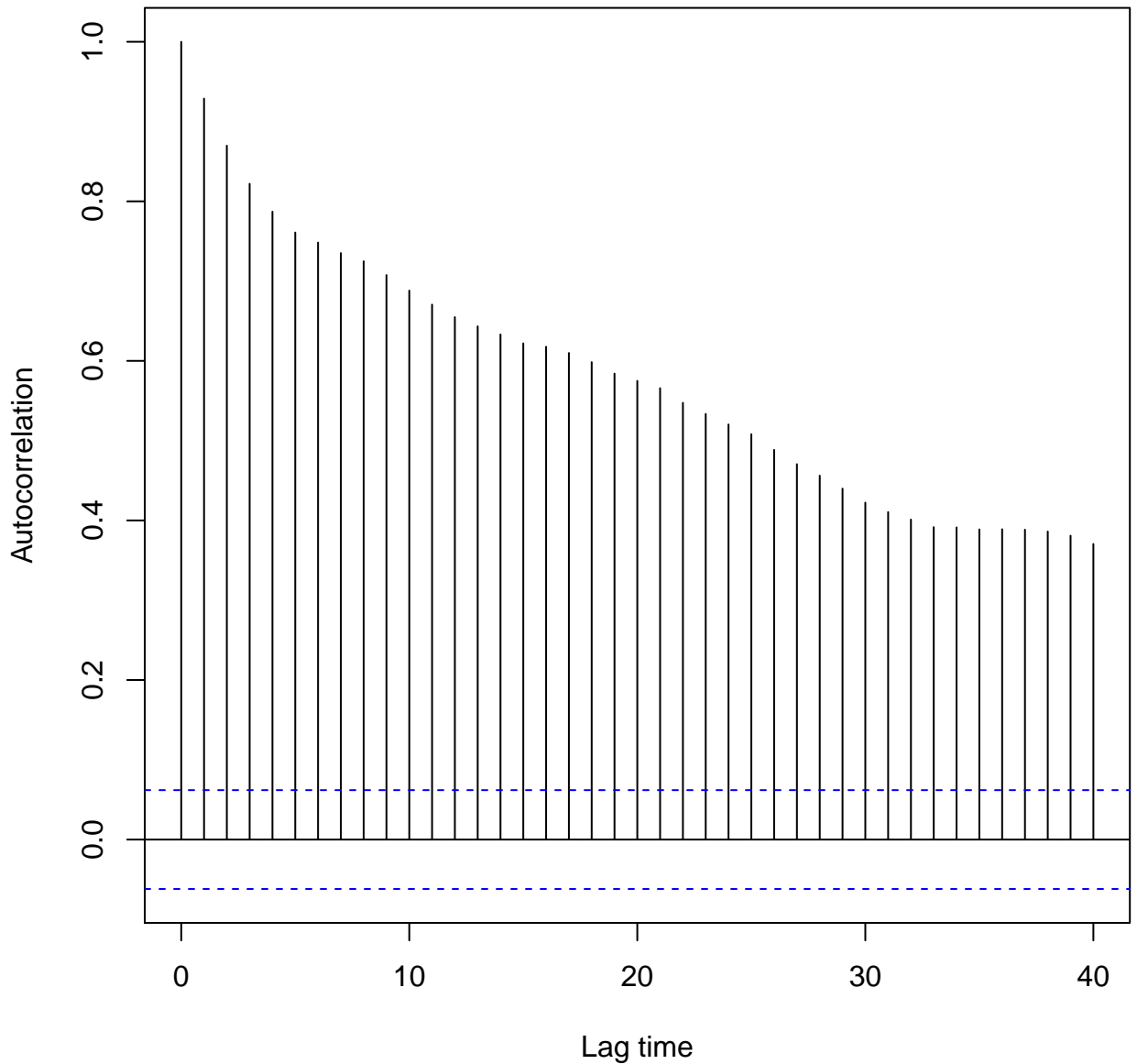
# Selection K AAA Mixture: 1



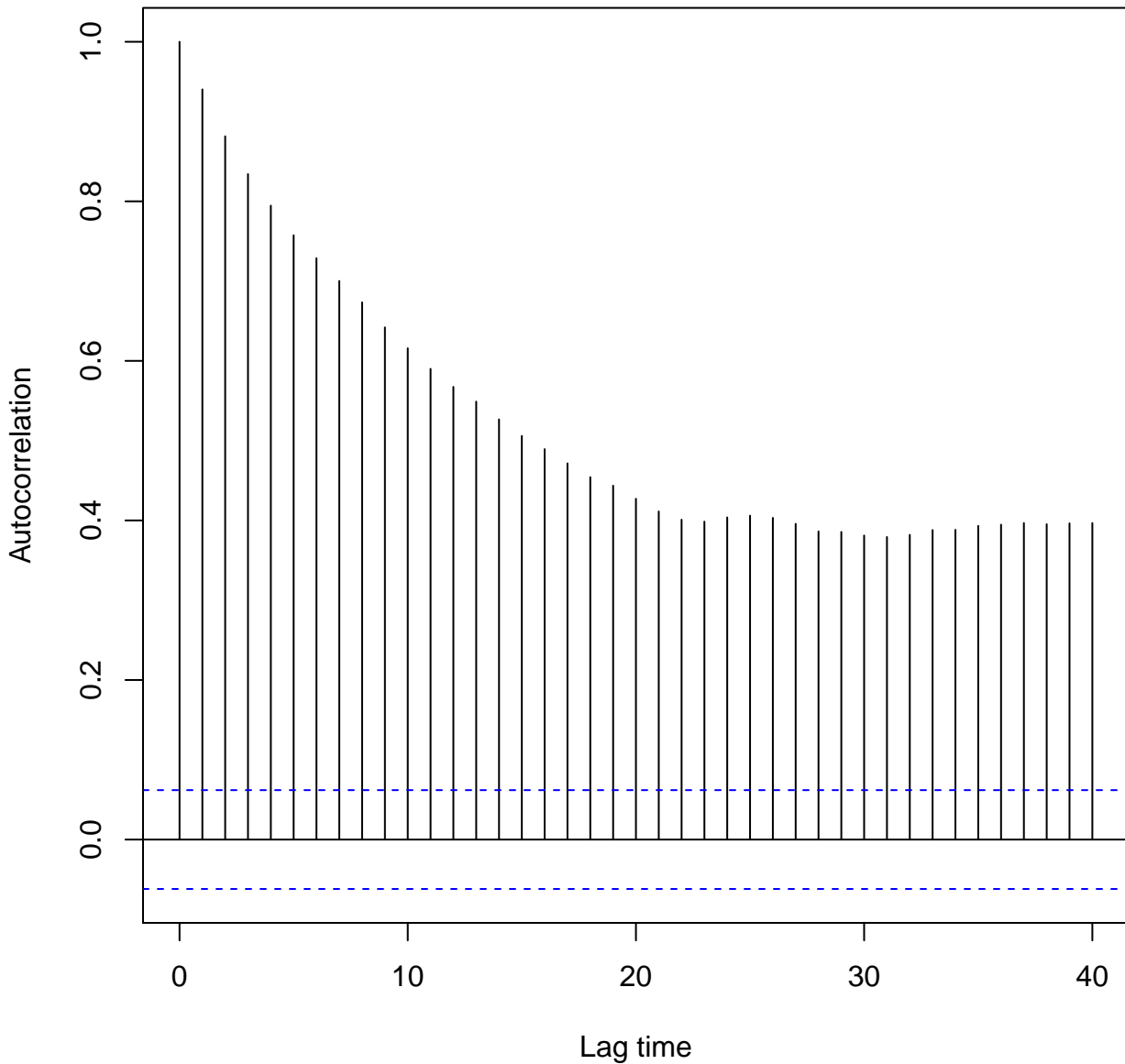
# Selection L CTA Mixture: 1



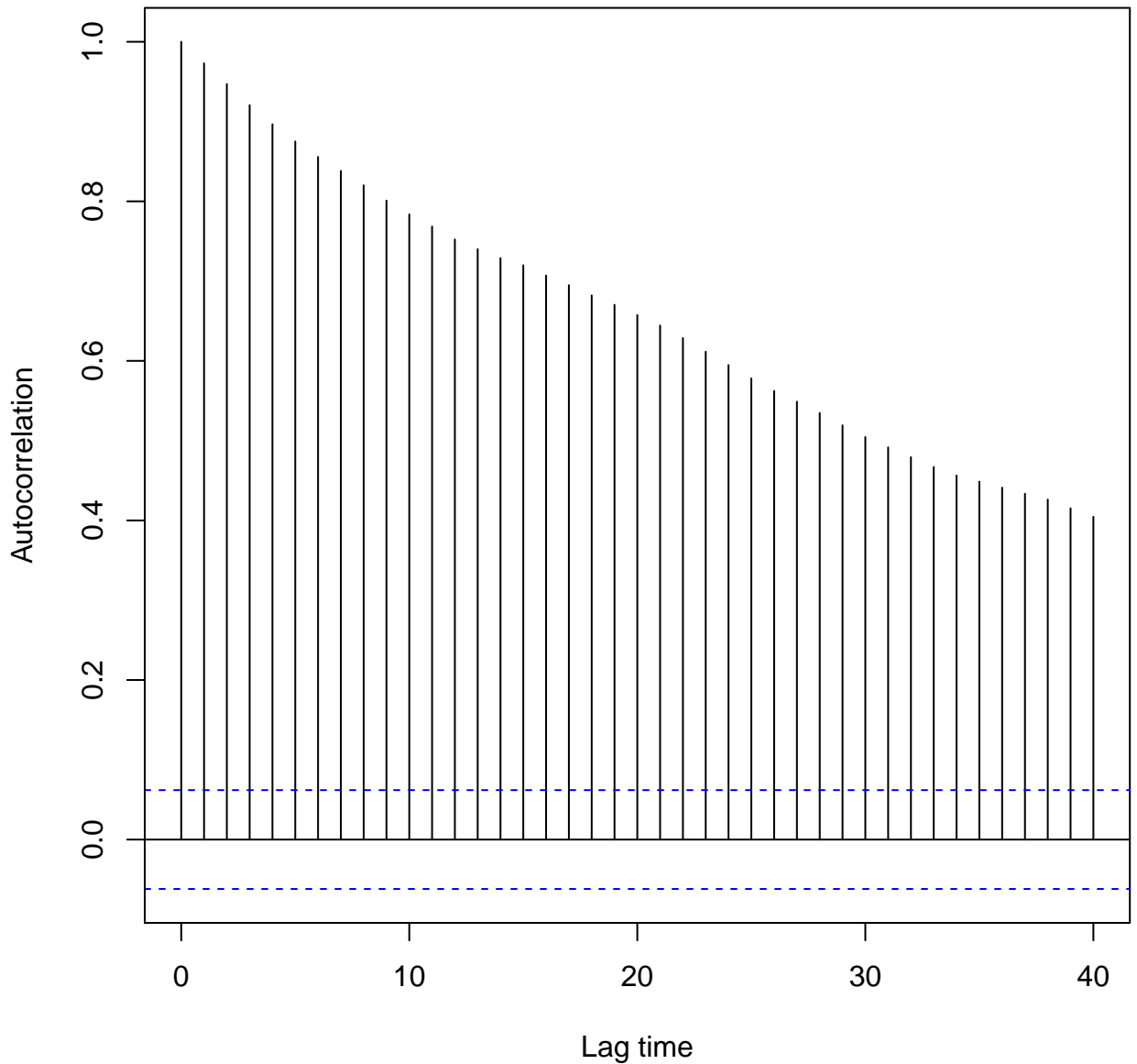
# Selection L CTC Mixture: 1



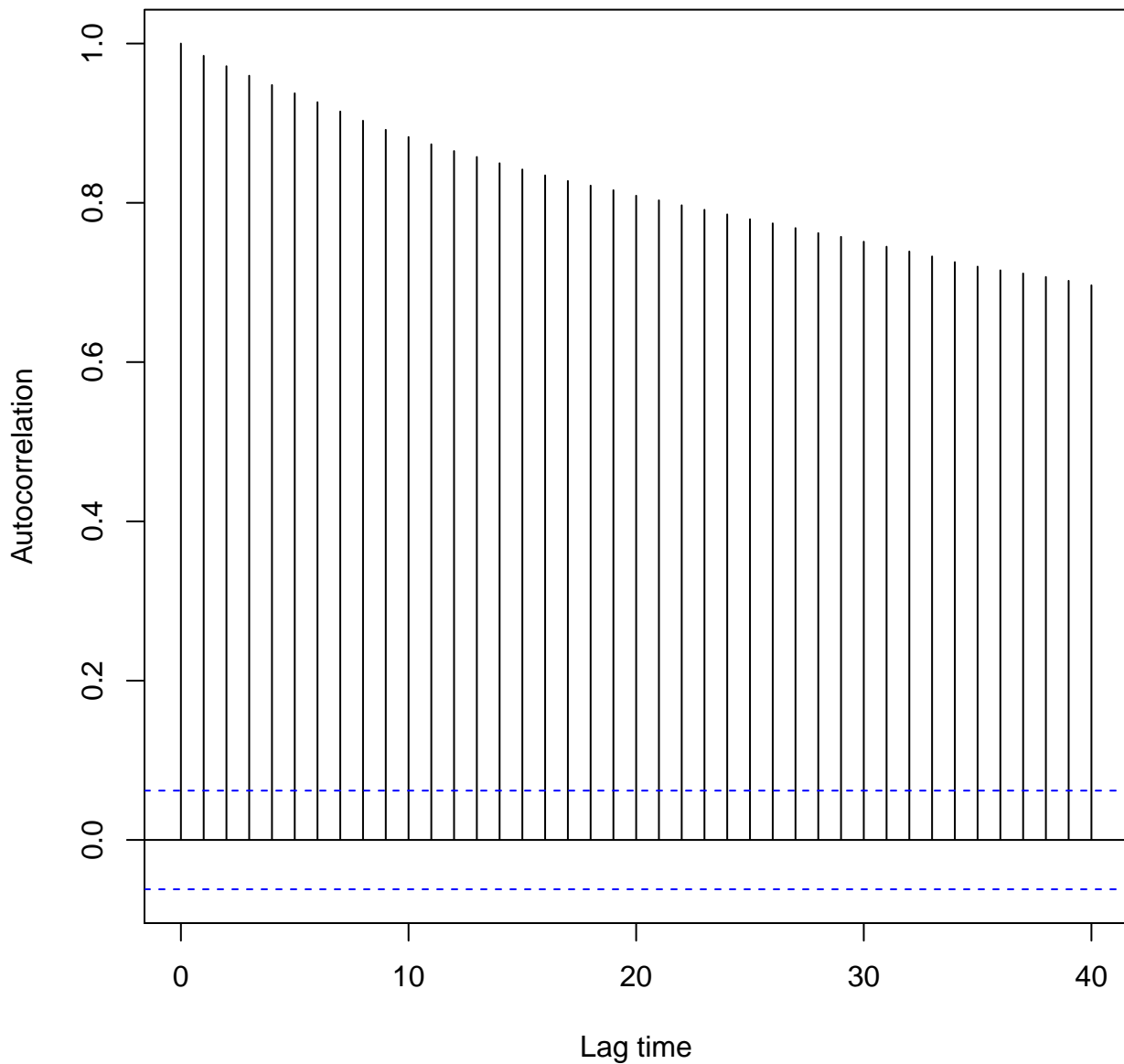
# Selection L CTG Mixture: 1



# Selection L CTT Mixture: 1

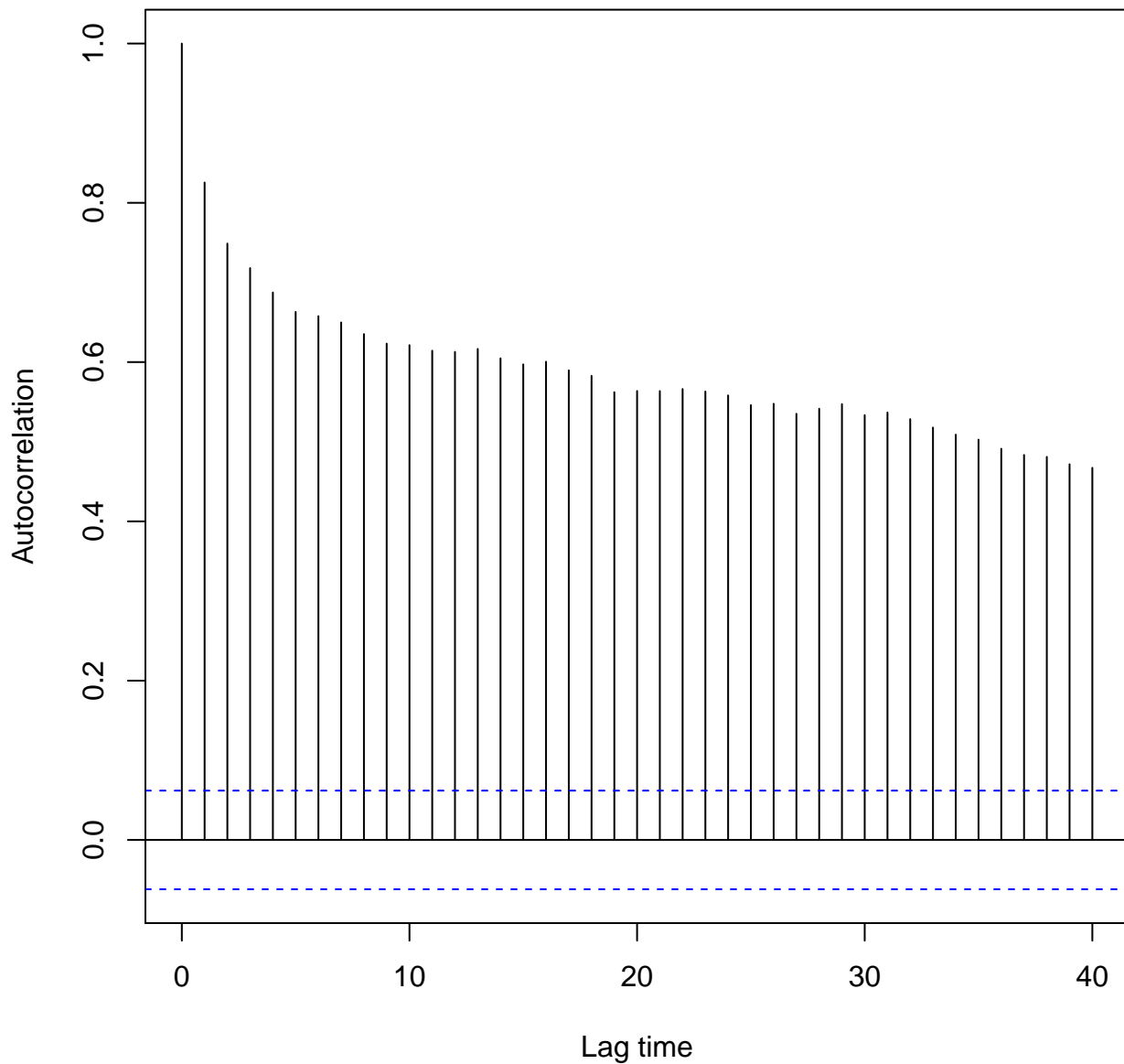


# Selection L TTA Mixture: 1

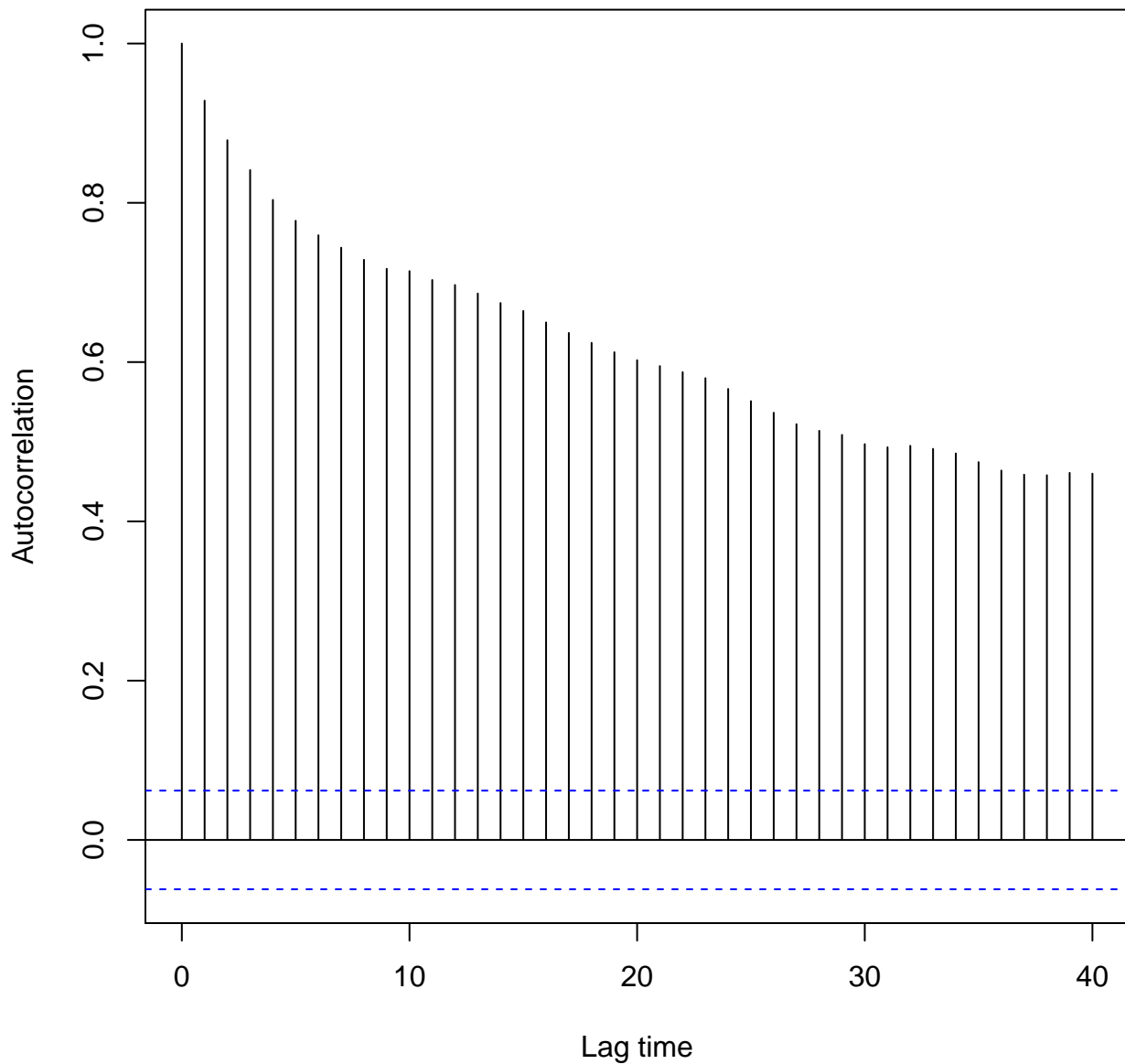




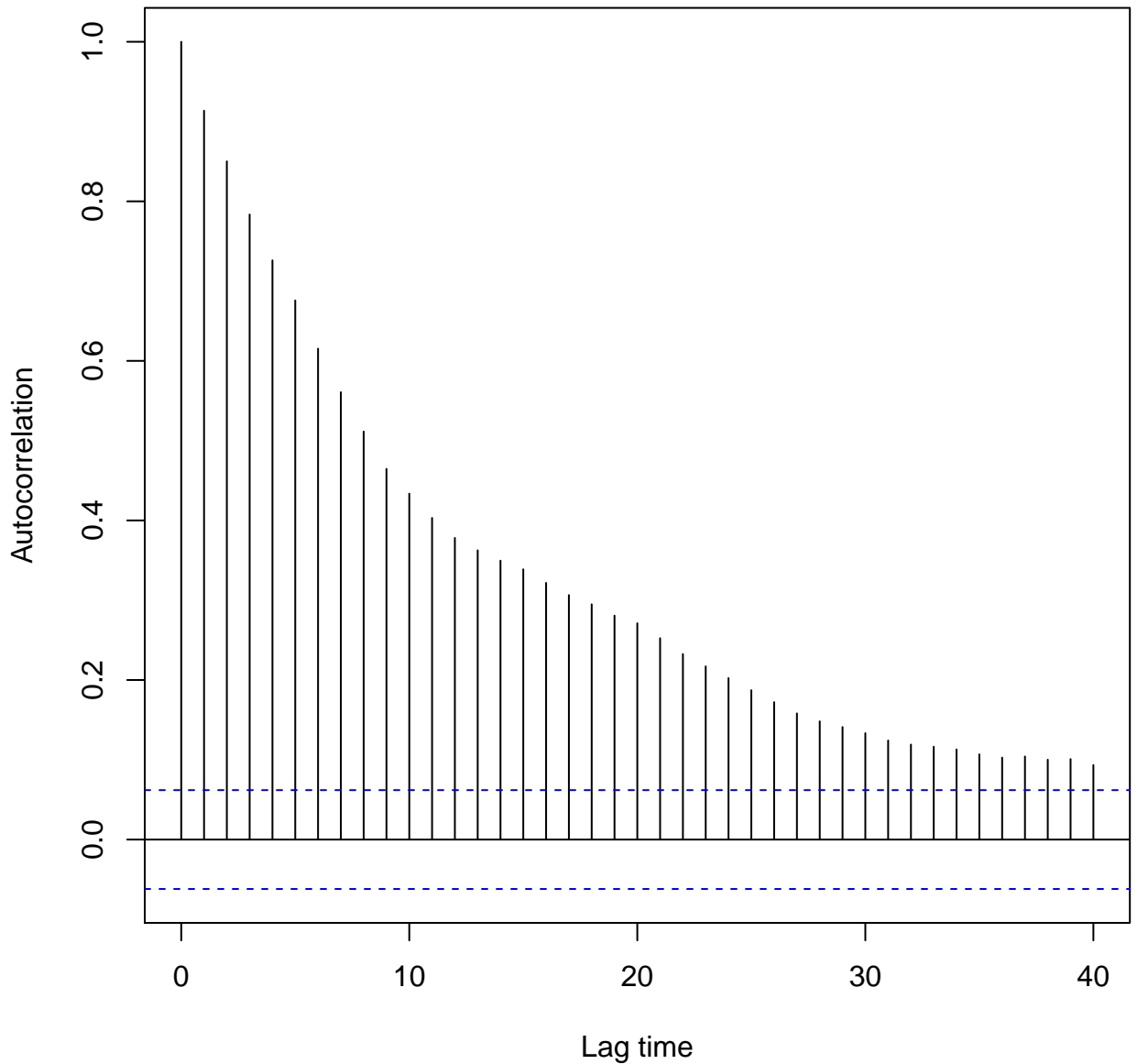
# Selection N AAC Mixture: 1



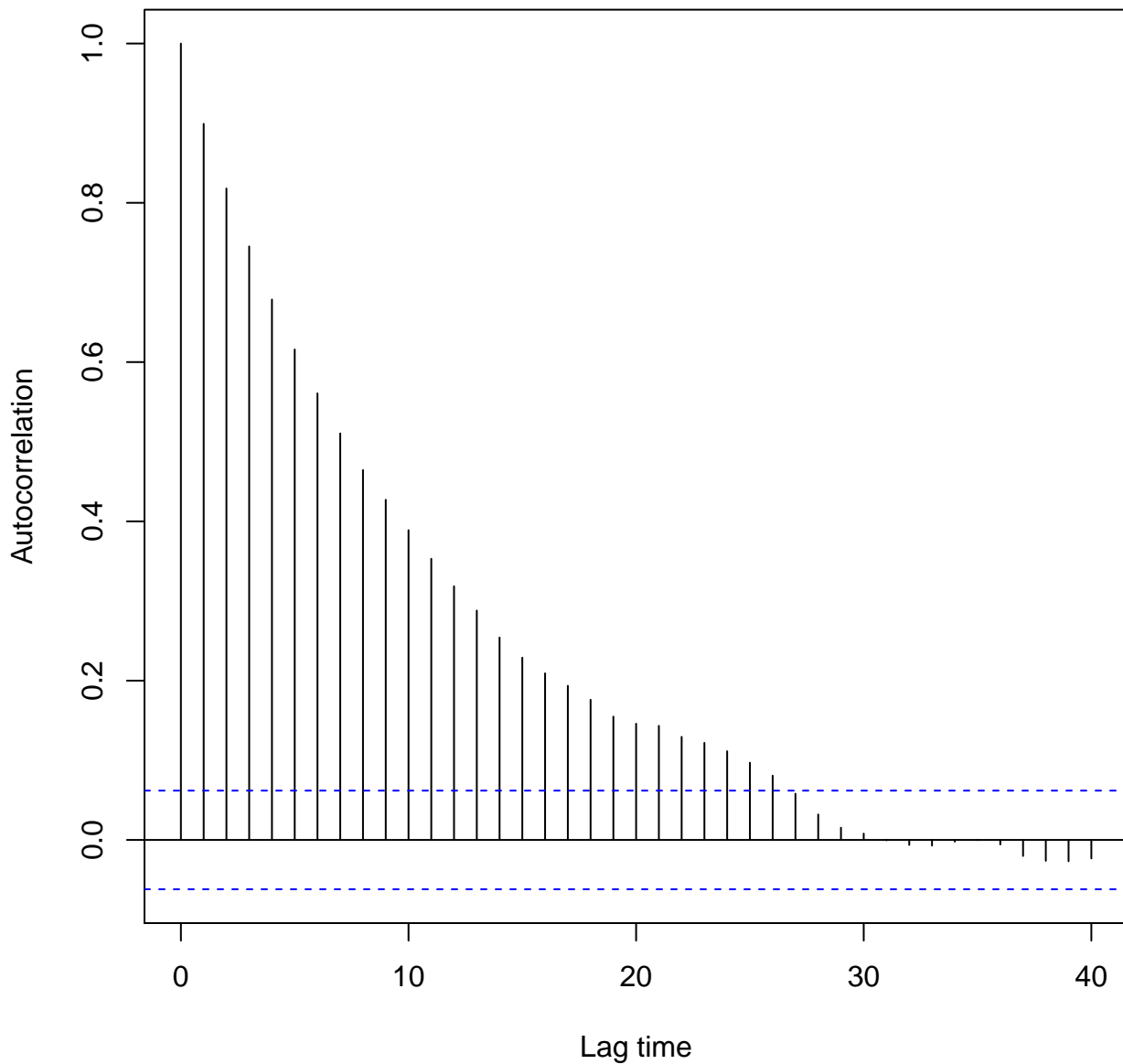
# Selection P CCA Mixture: 1



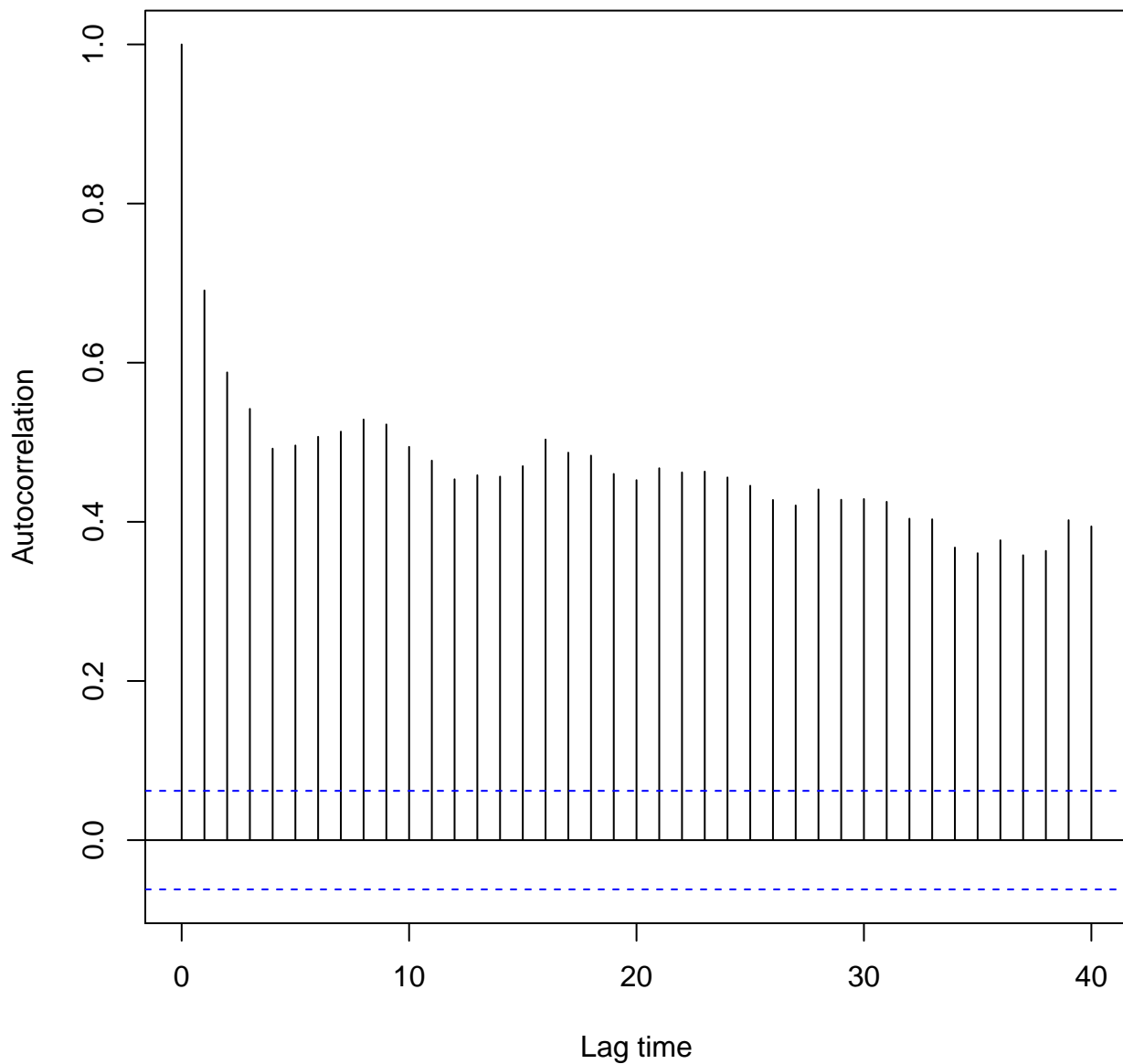
# Selection P CCC Mixture: 1



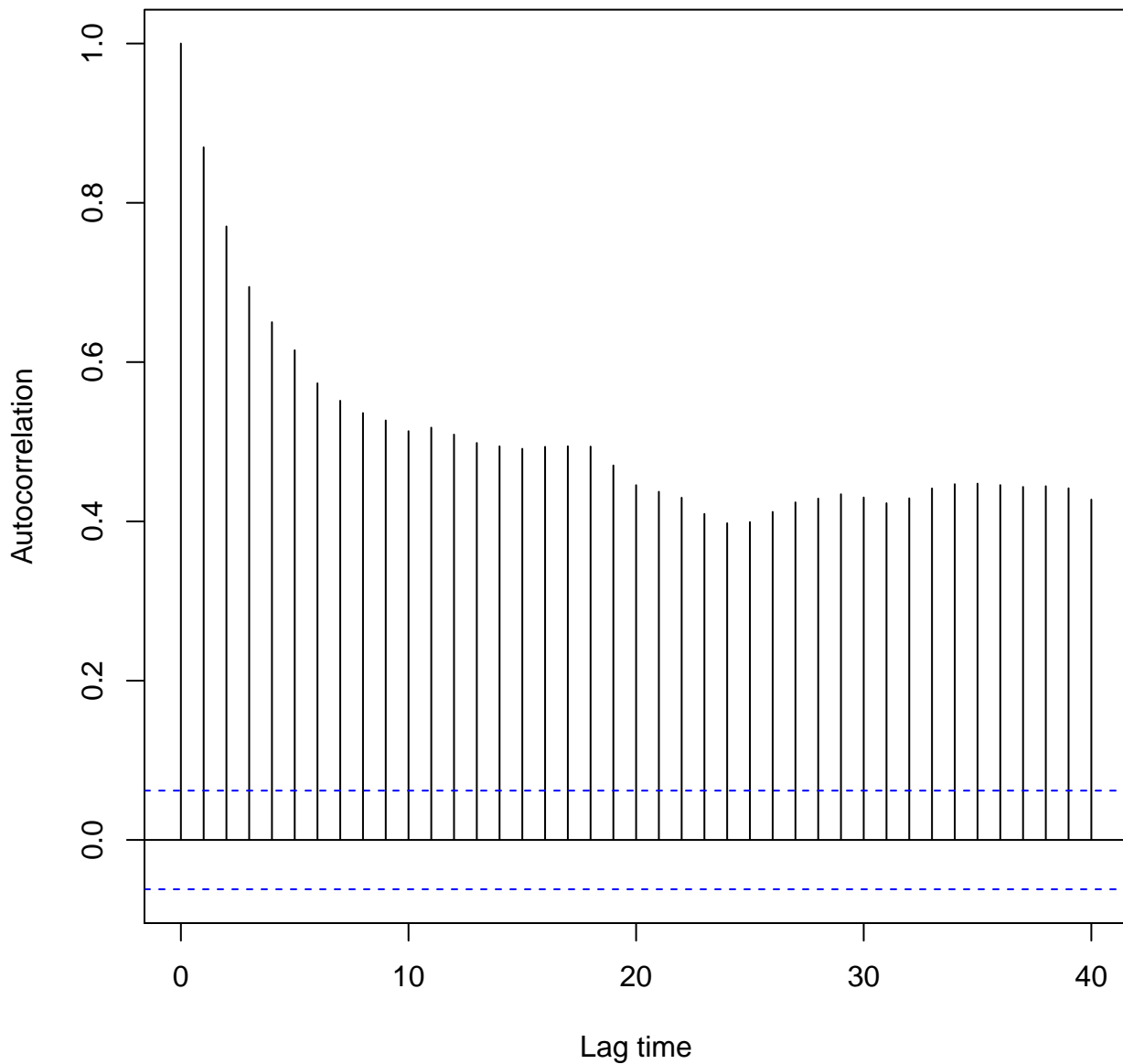
# Selection P CCG Mixture: 1



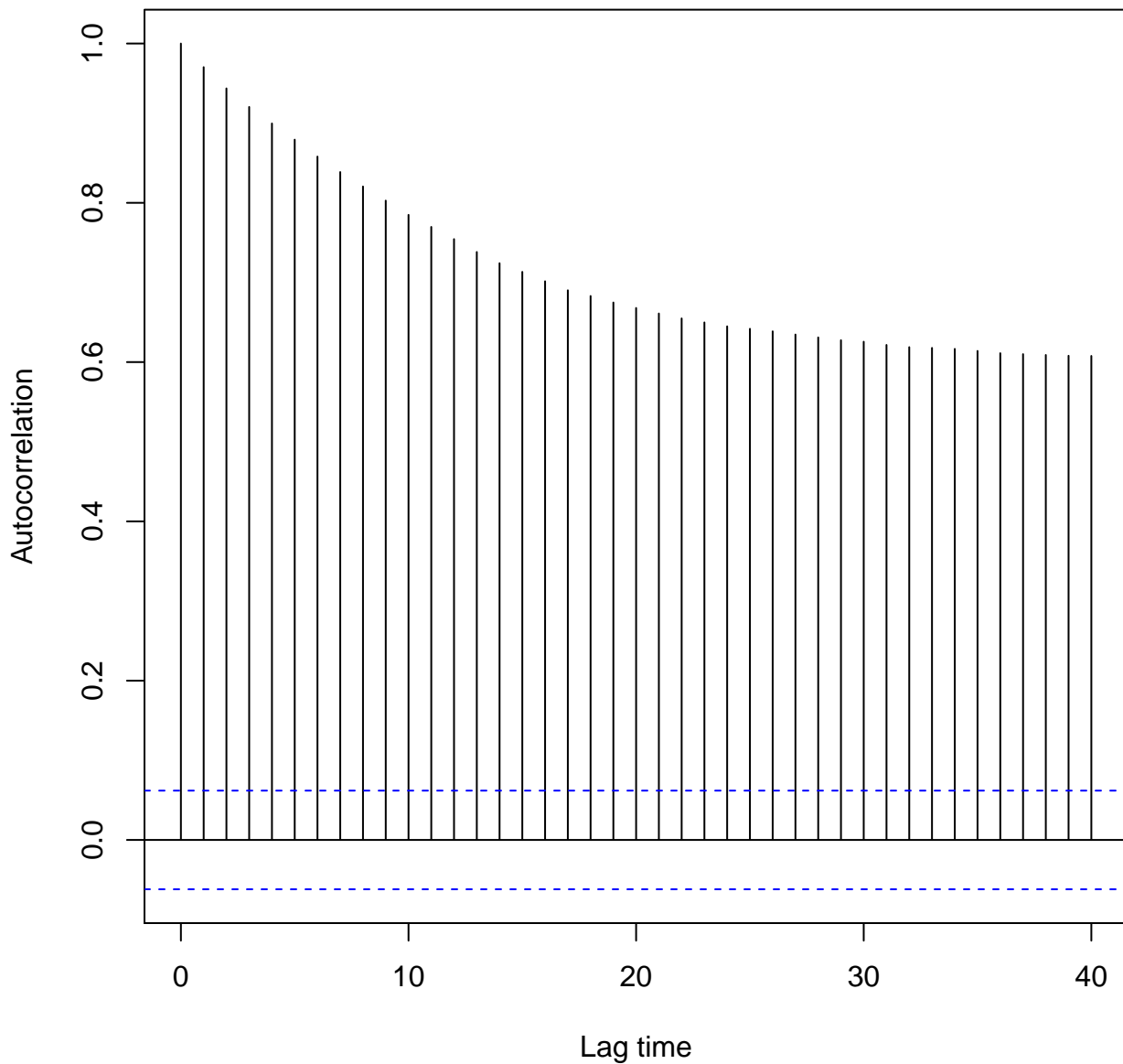
# Selection Q CAA Mixture: 1



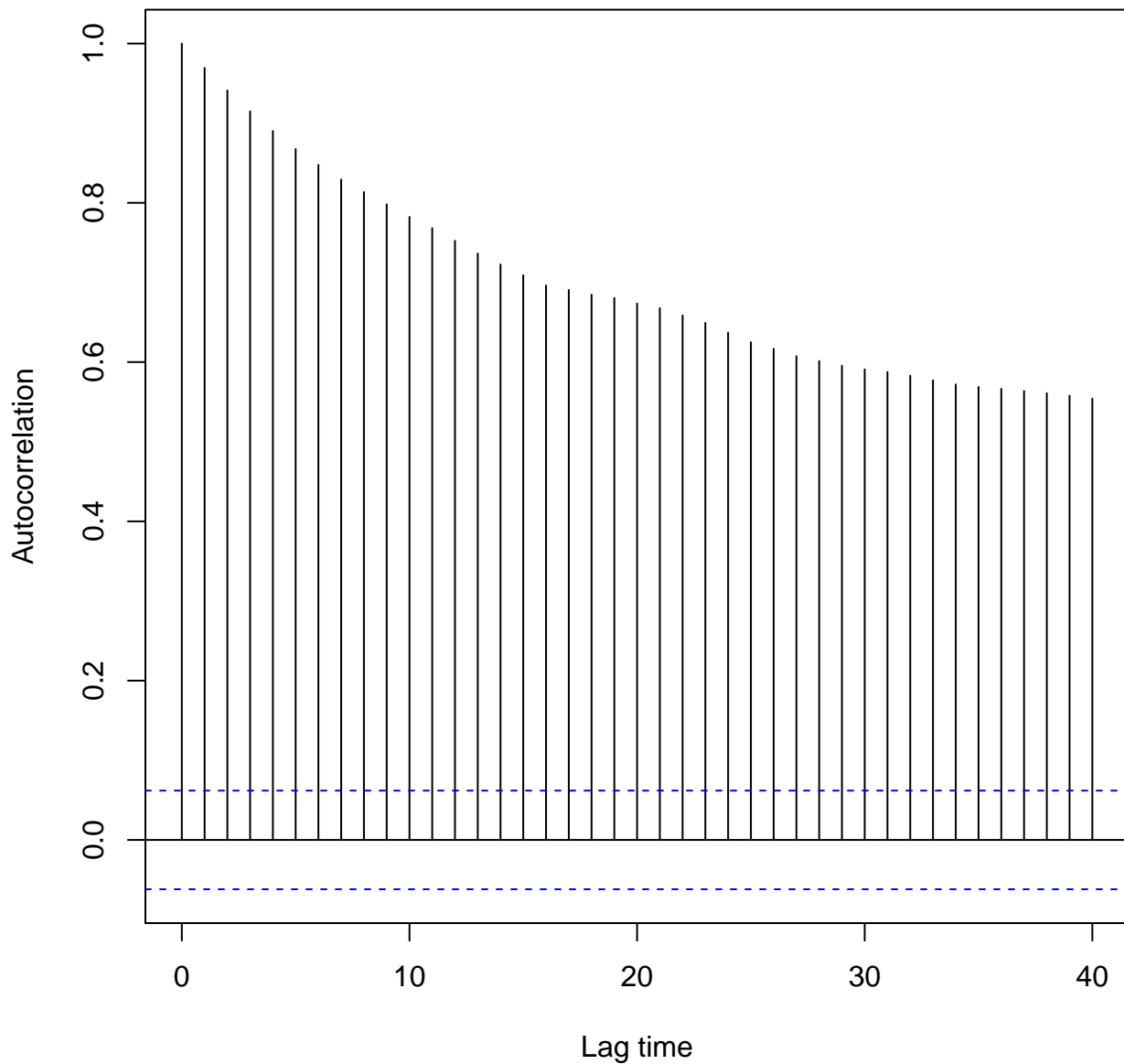
# Selection R AGA Mixture: 1



# Selection R AGG Mixture: 1

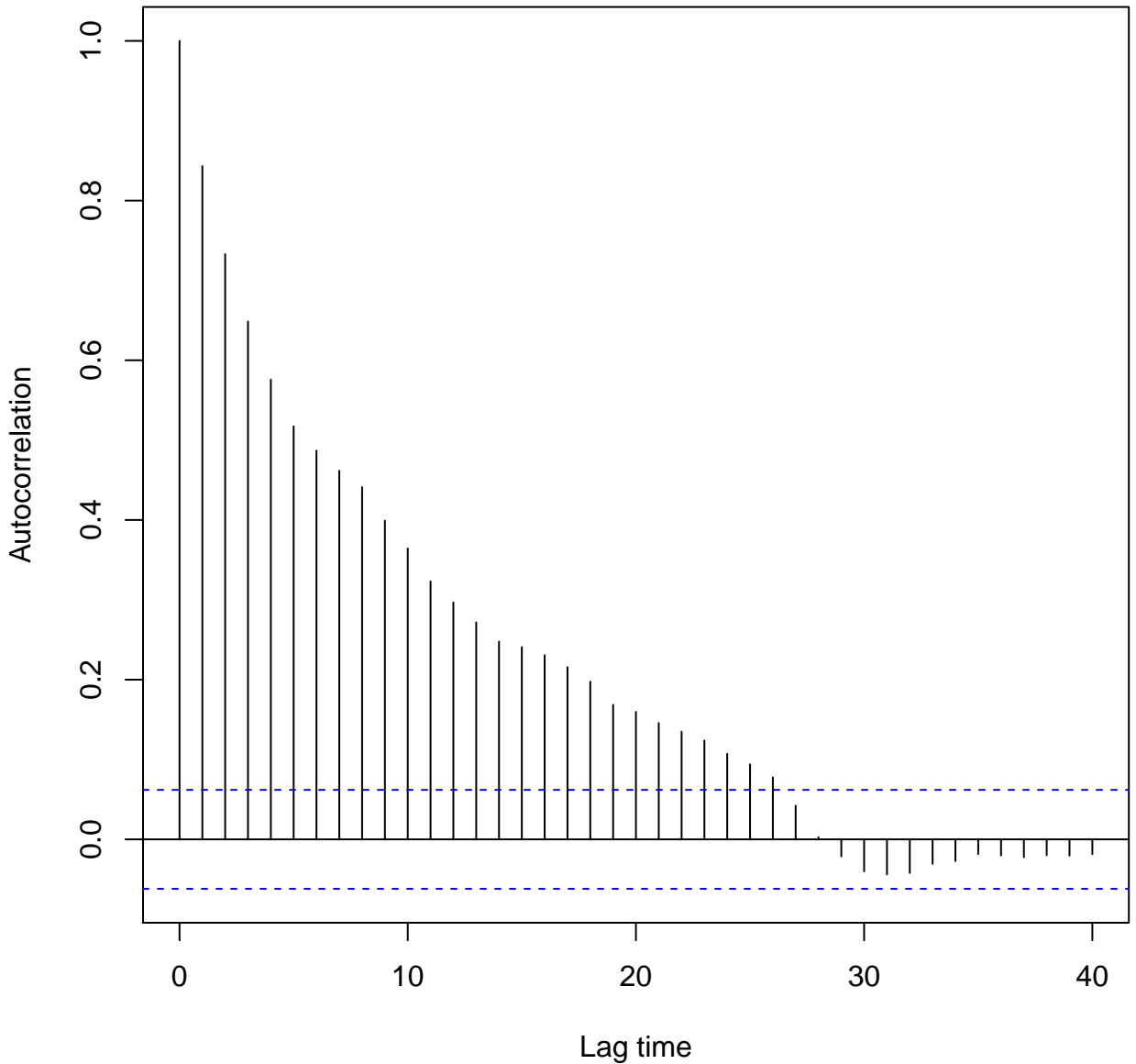


# Selection R CGA Mixture: 1

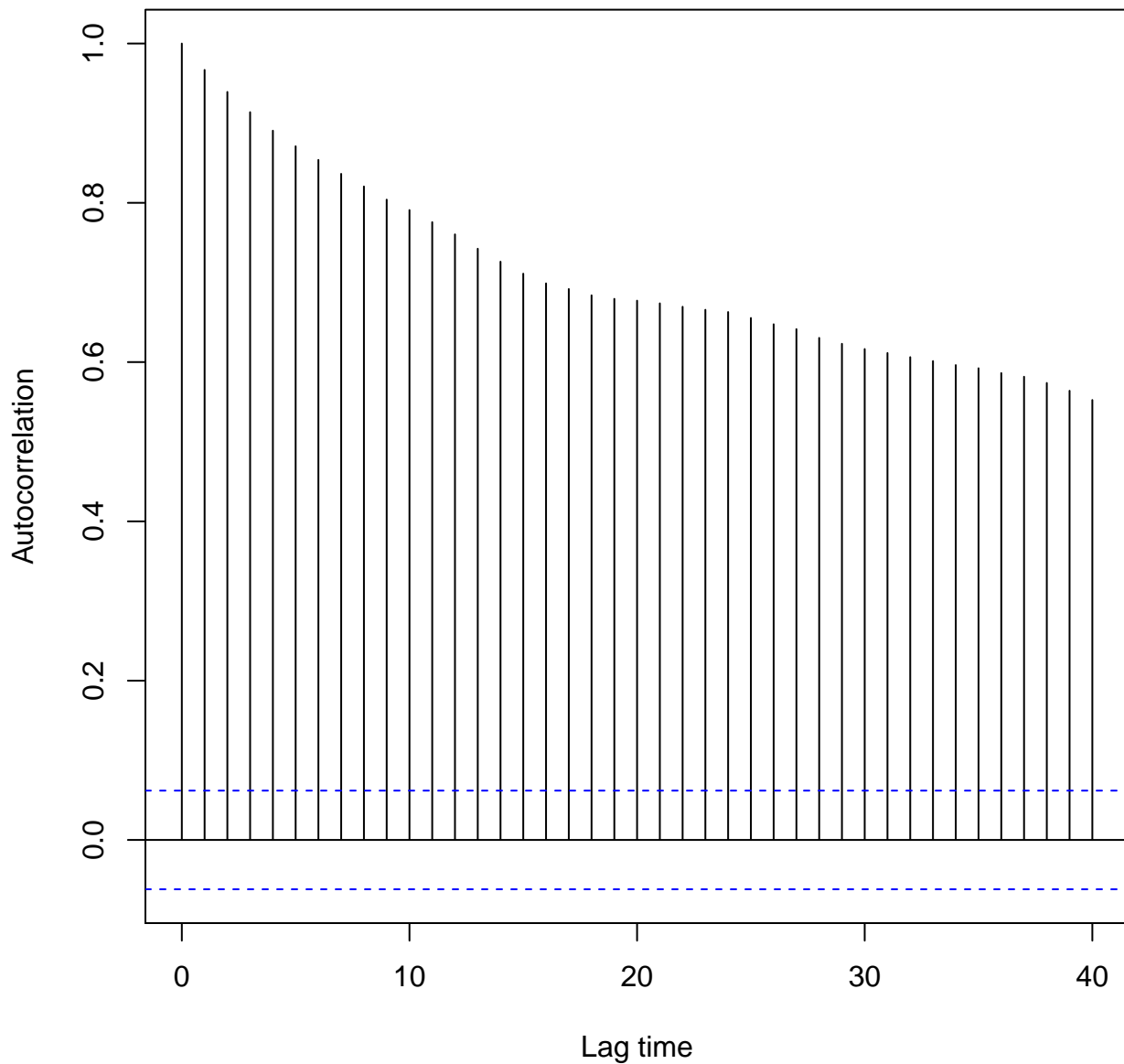




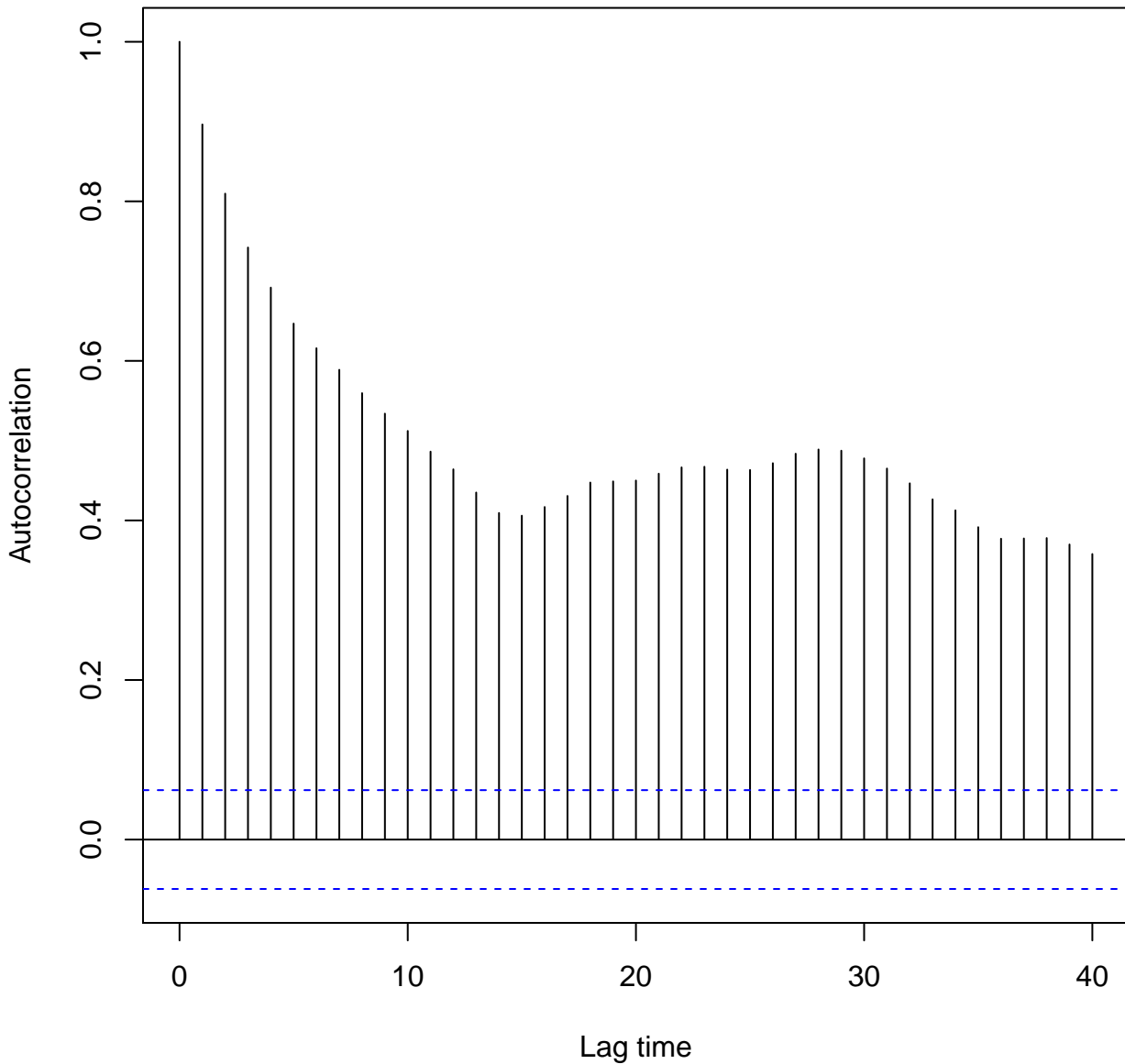
# Selection R CGC Mixture: 1



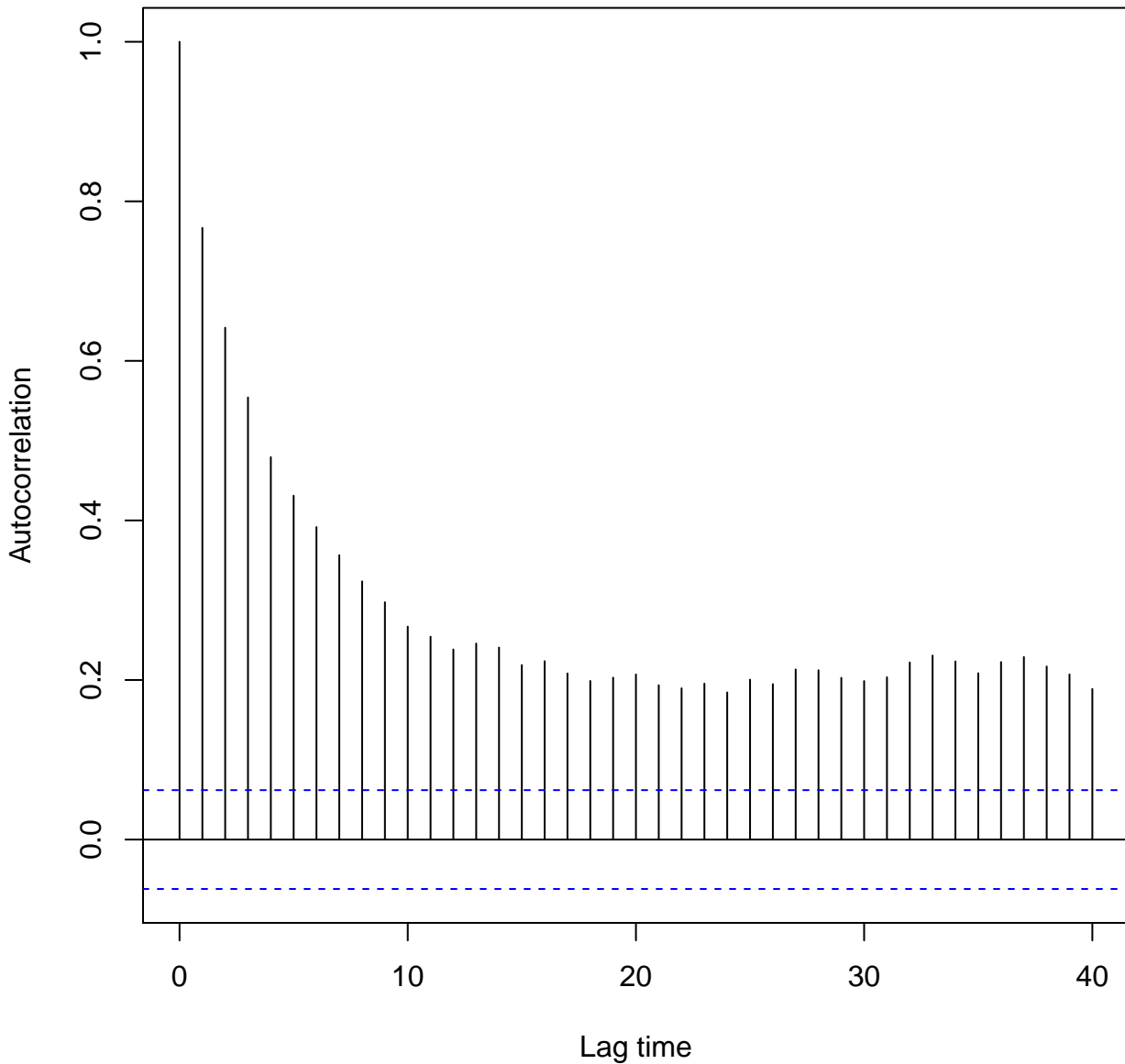
# Selection R CGG Mixture: 1



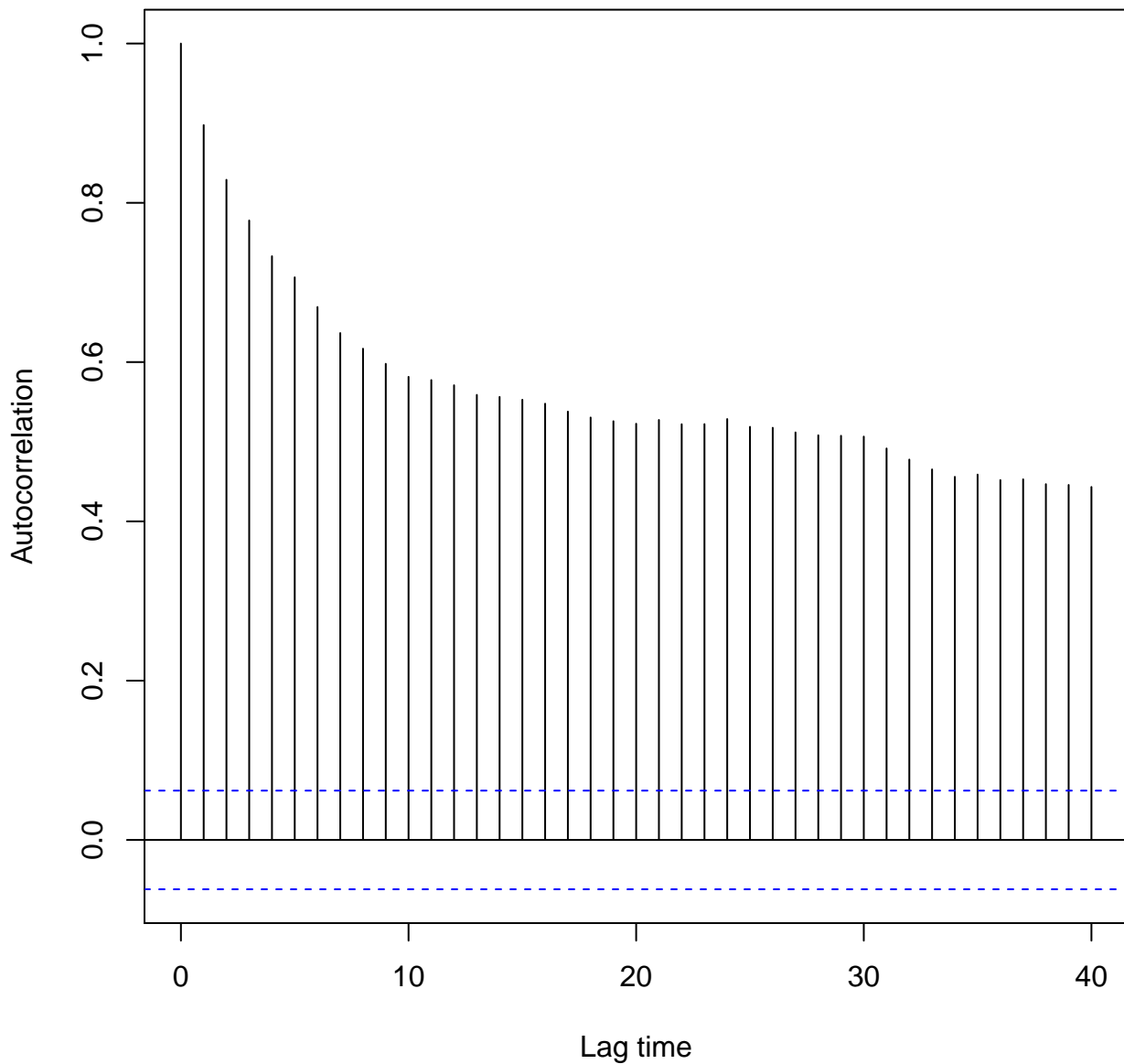
# Selection S TCA Mixture: 1



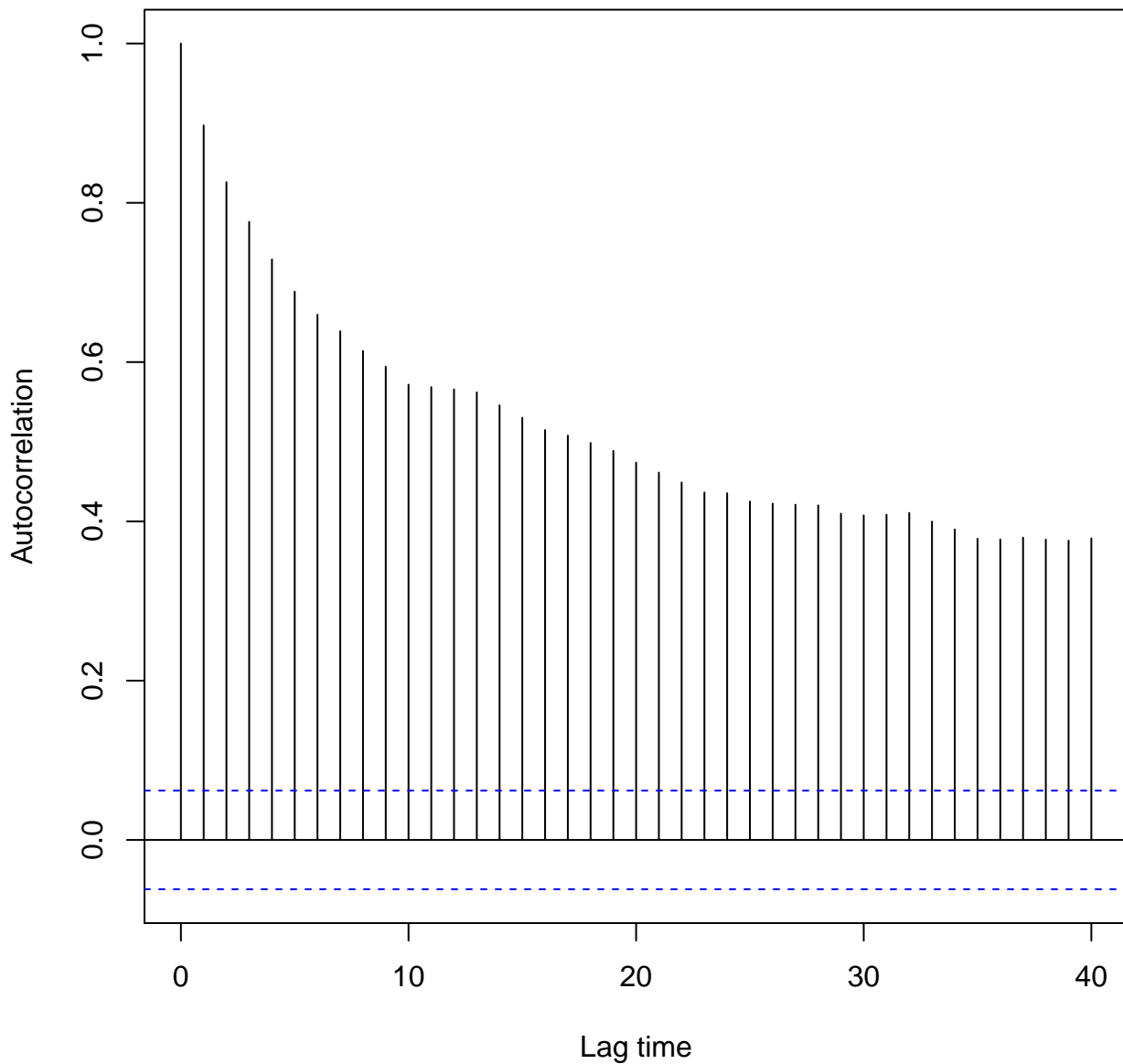
# Selection S TCC Mixture: 1



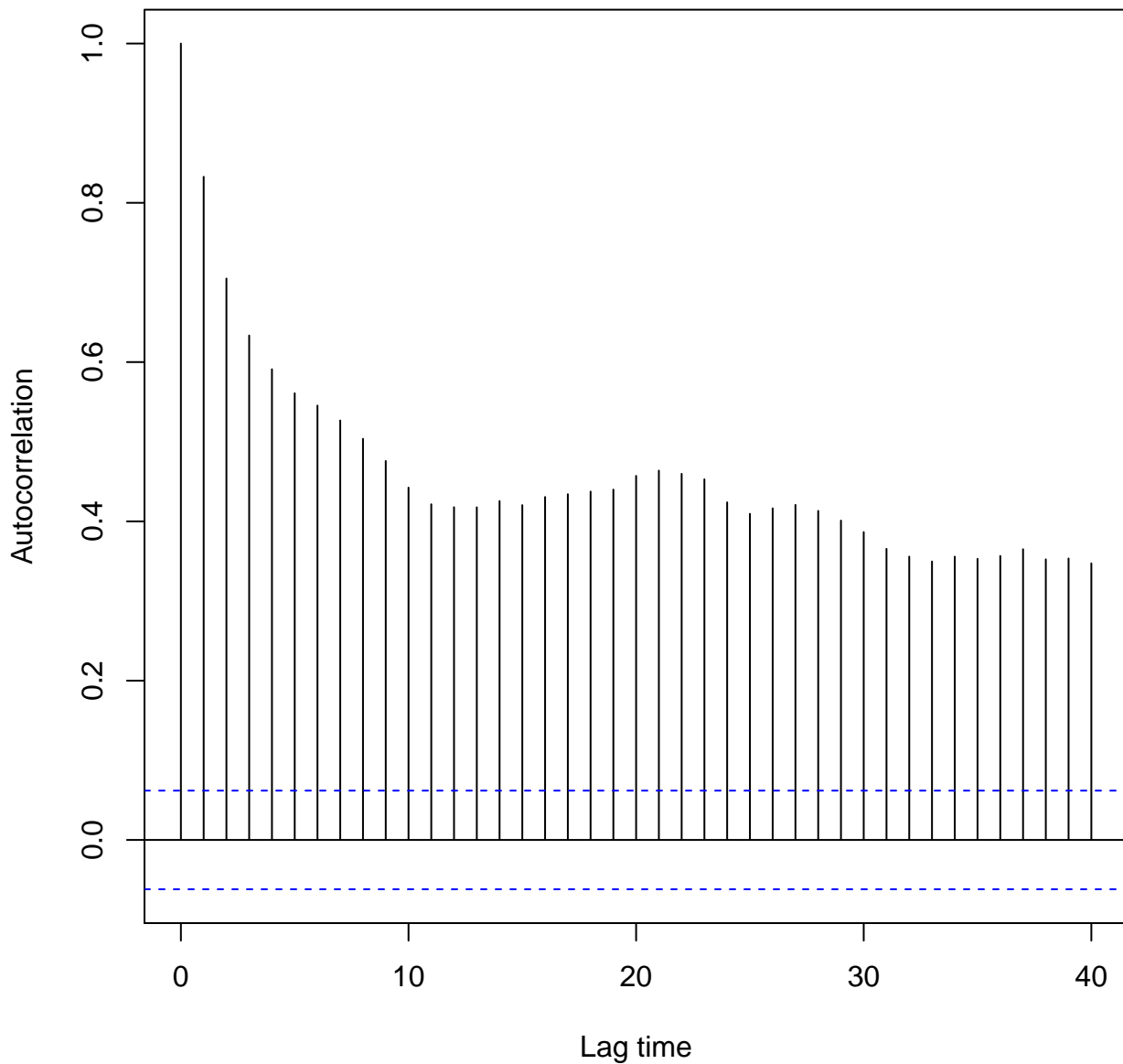
# Selection S TCG Mixture: 1



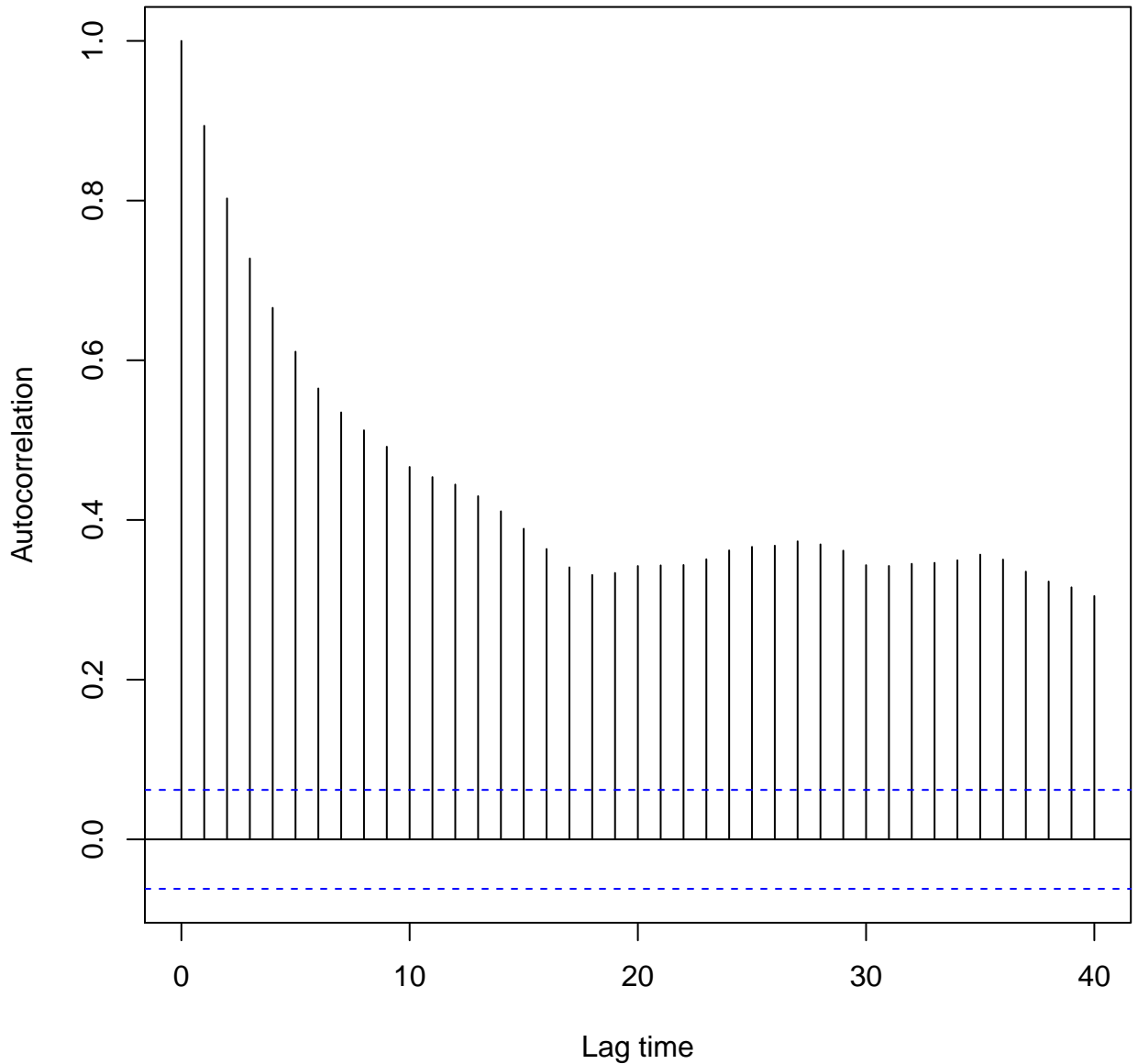
# Selection T ACA Mixture: 1



# Selection T ACC Mixture: 1

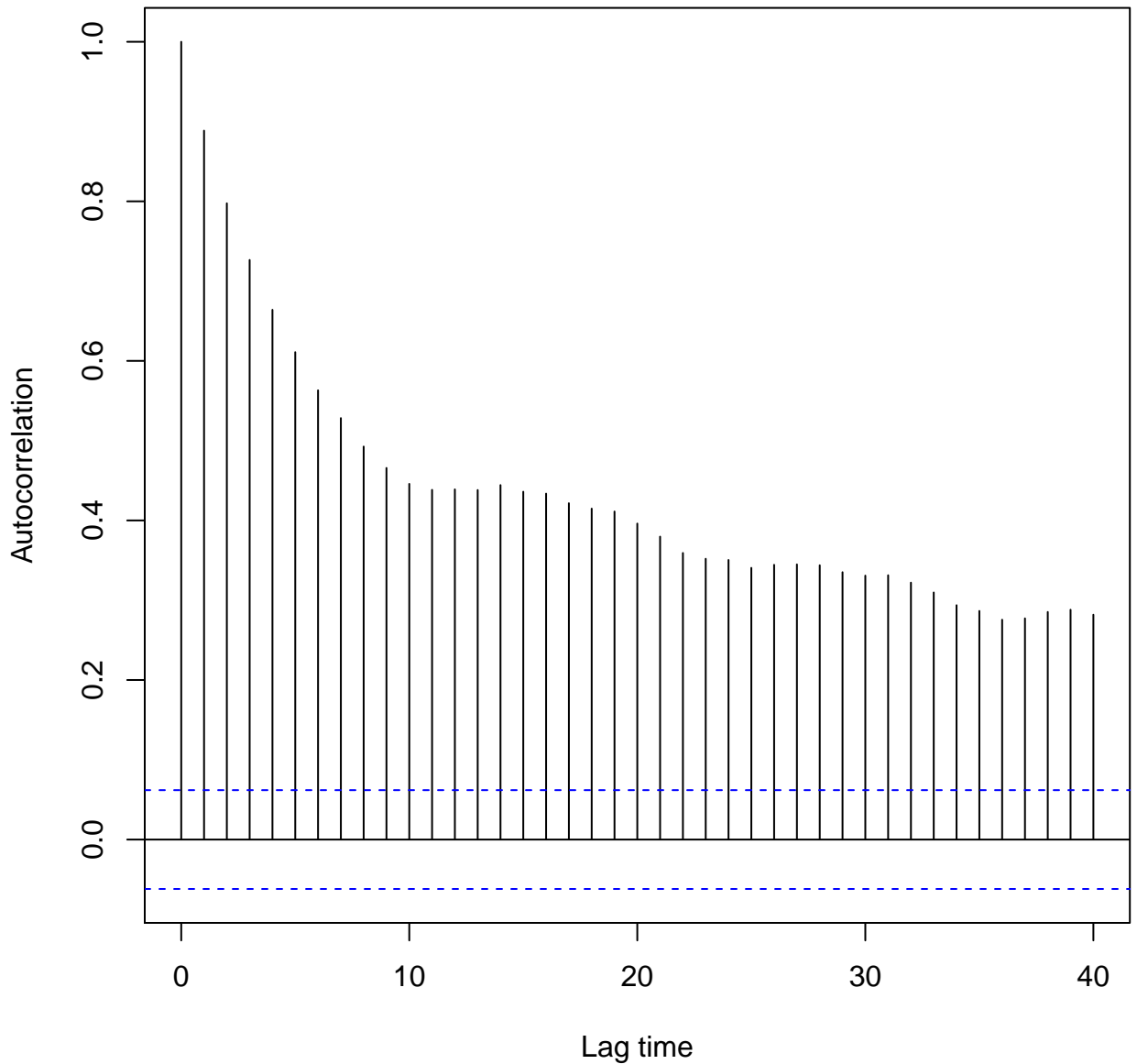


# Selection T ACG Mixture: 1

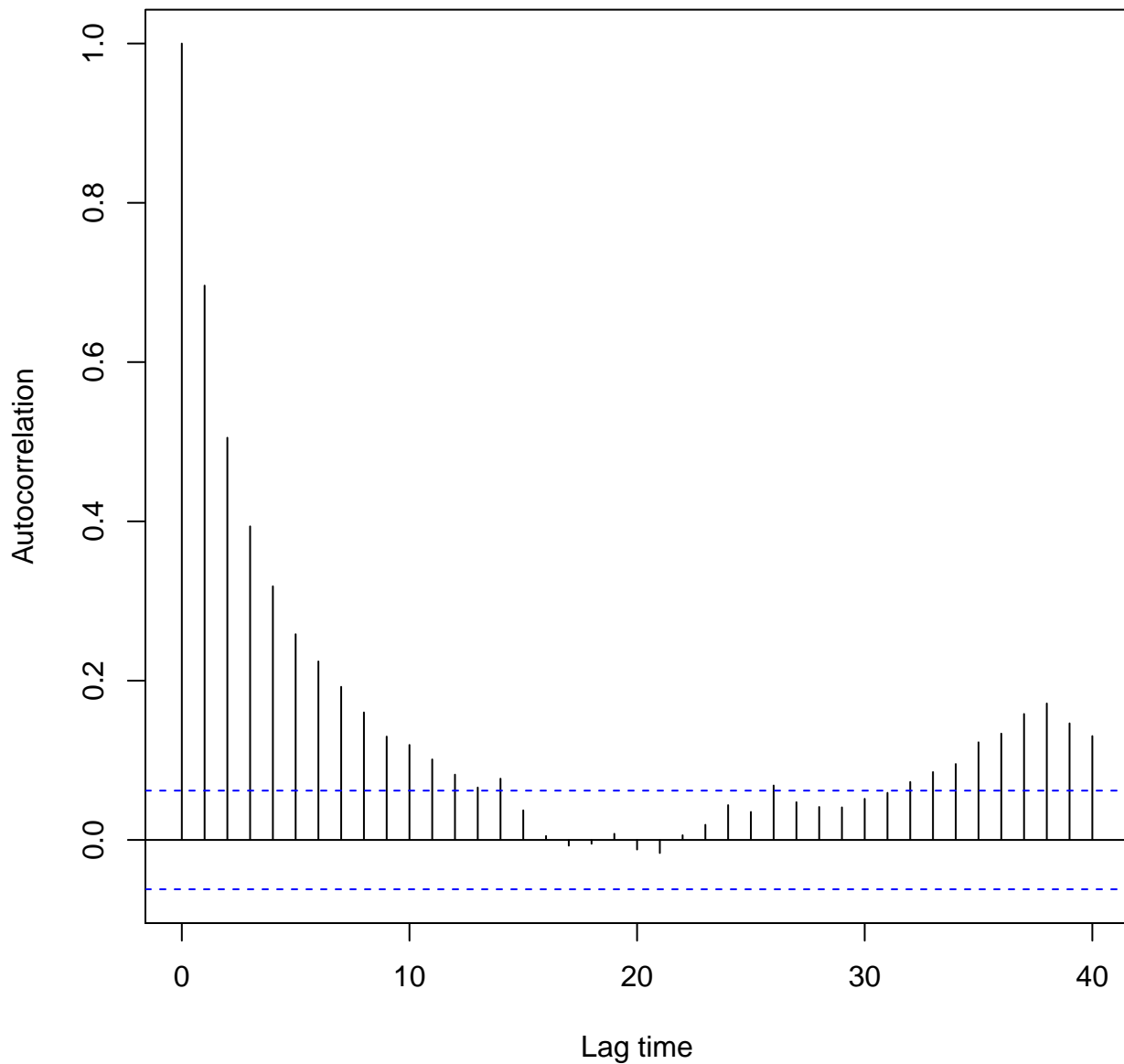




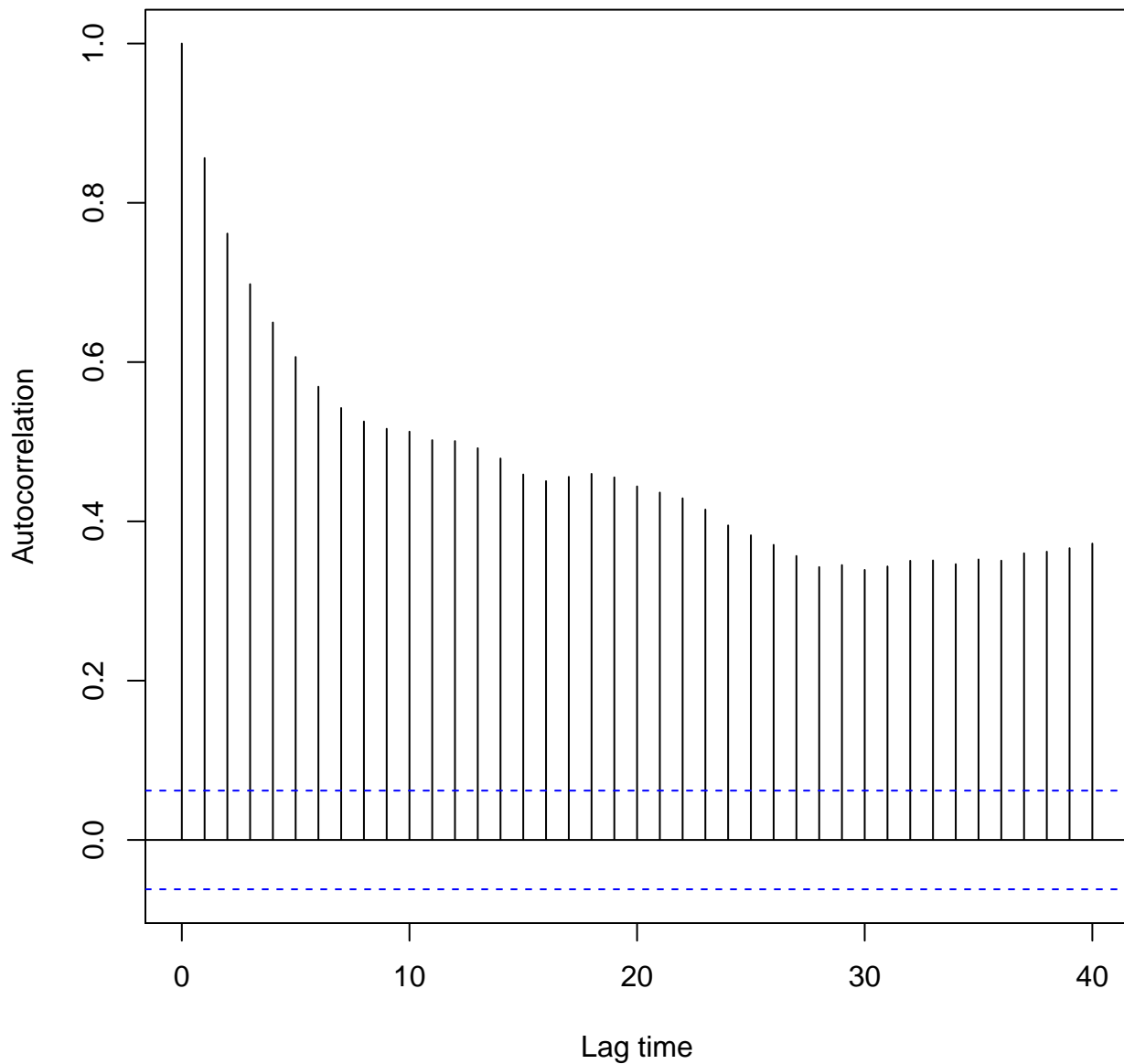
# Selection V GTA Mixture: 1



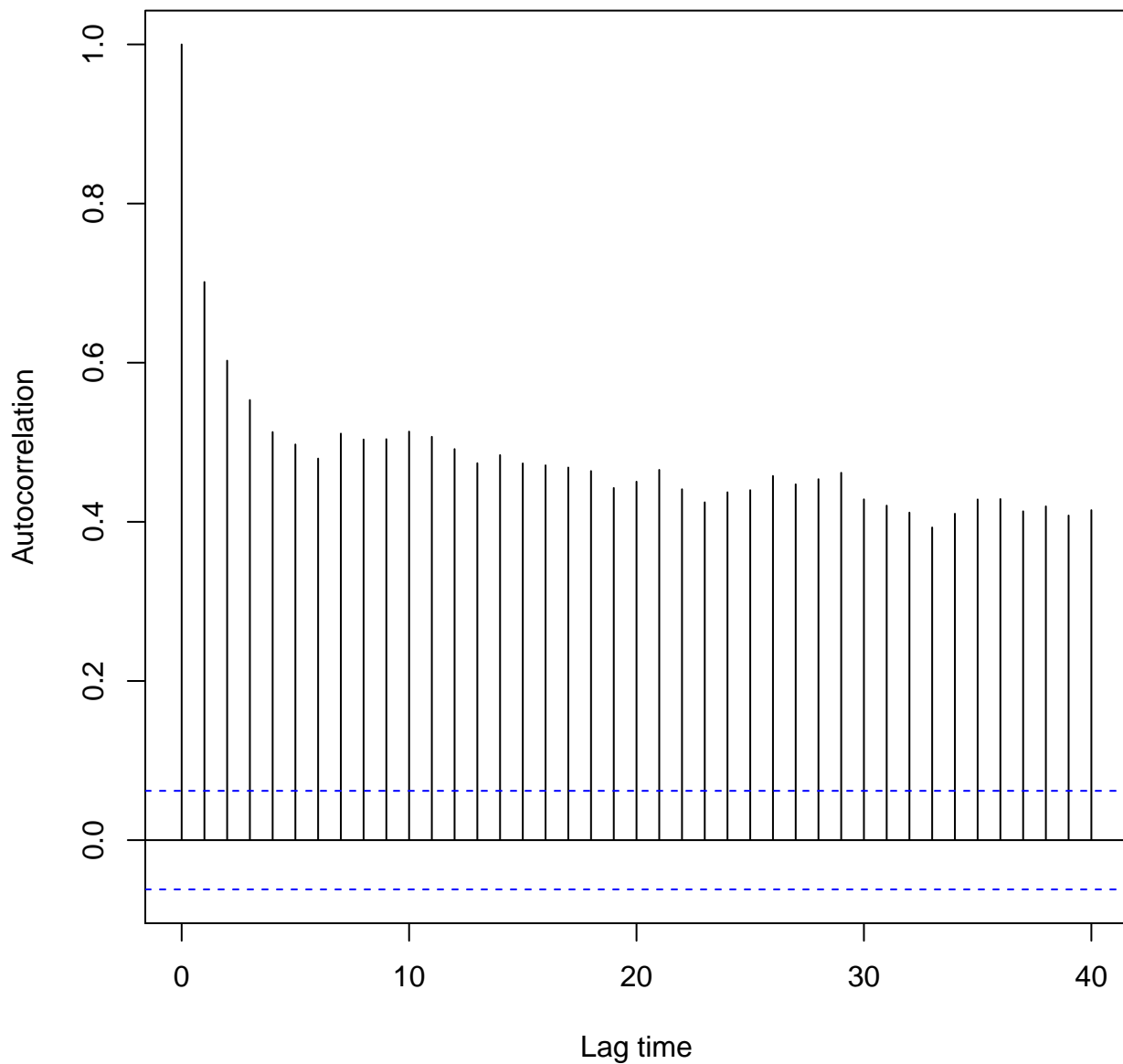
# Selection V GTC Mixture: 1



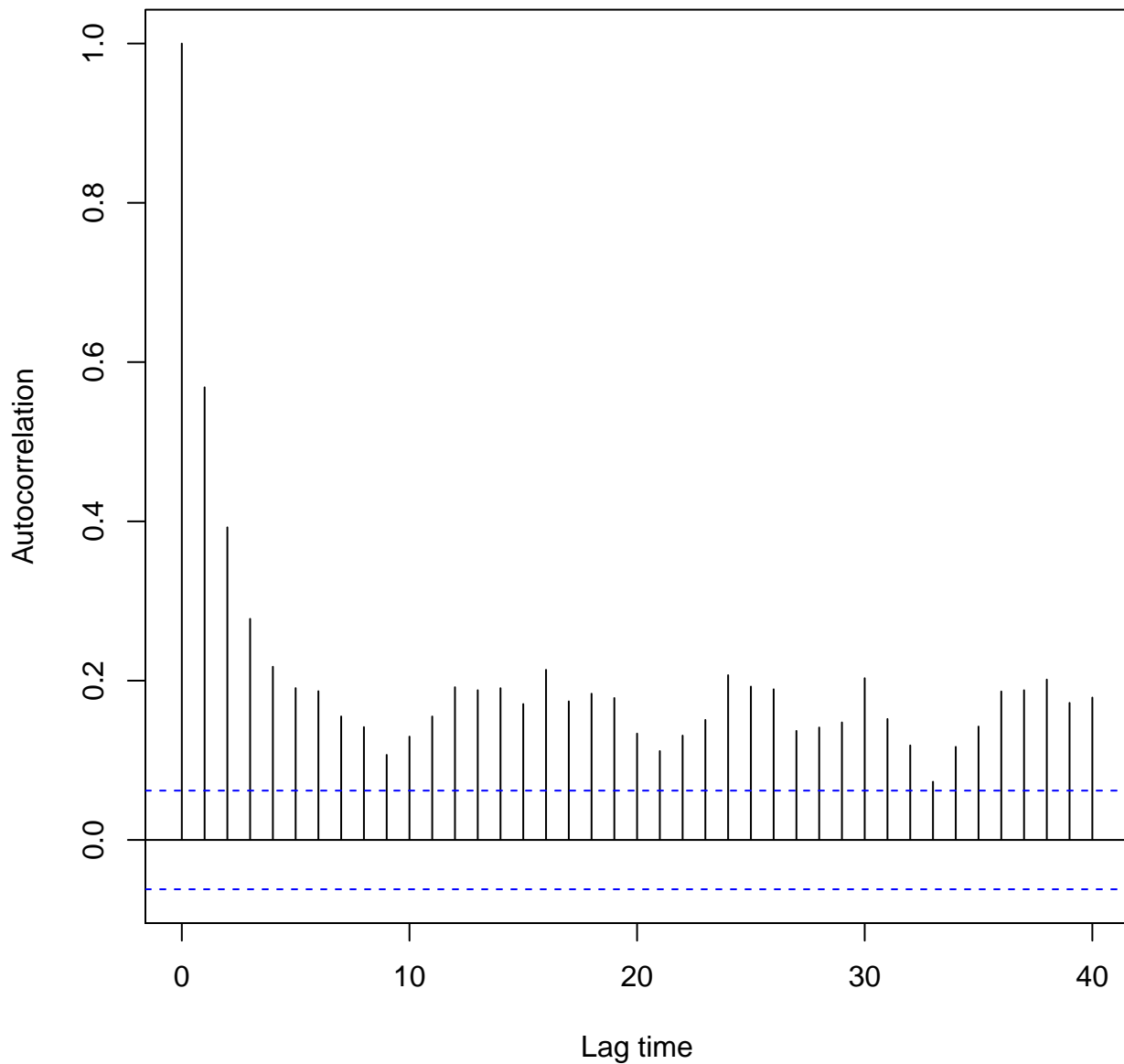
# Selection V GTG Mixture: 1



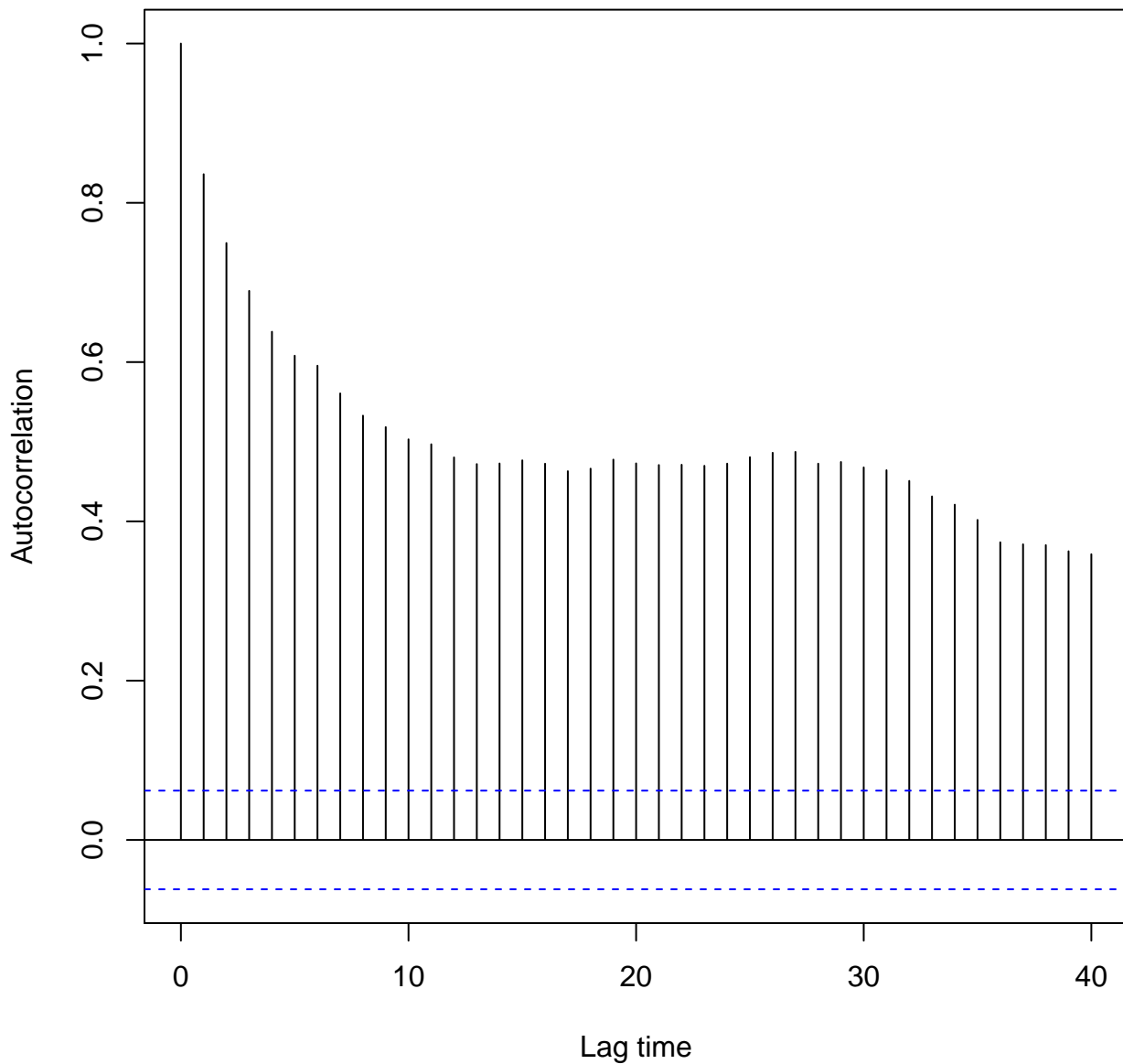
# Selection Y TAC Mixture: 1



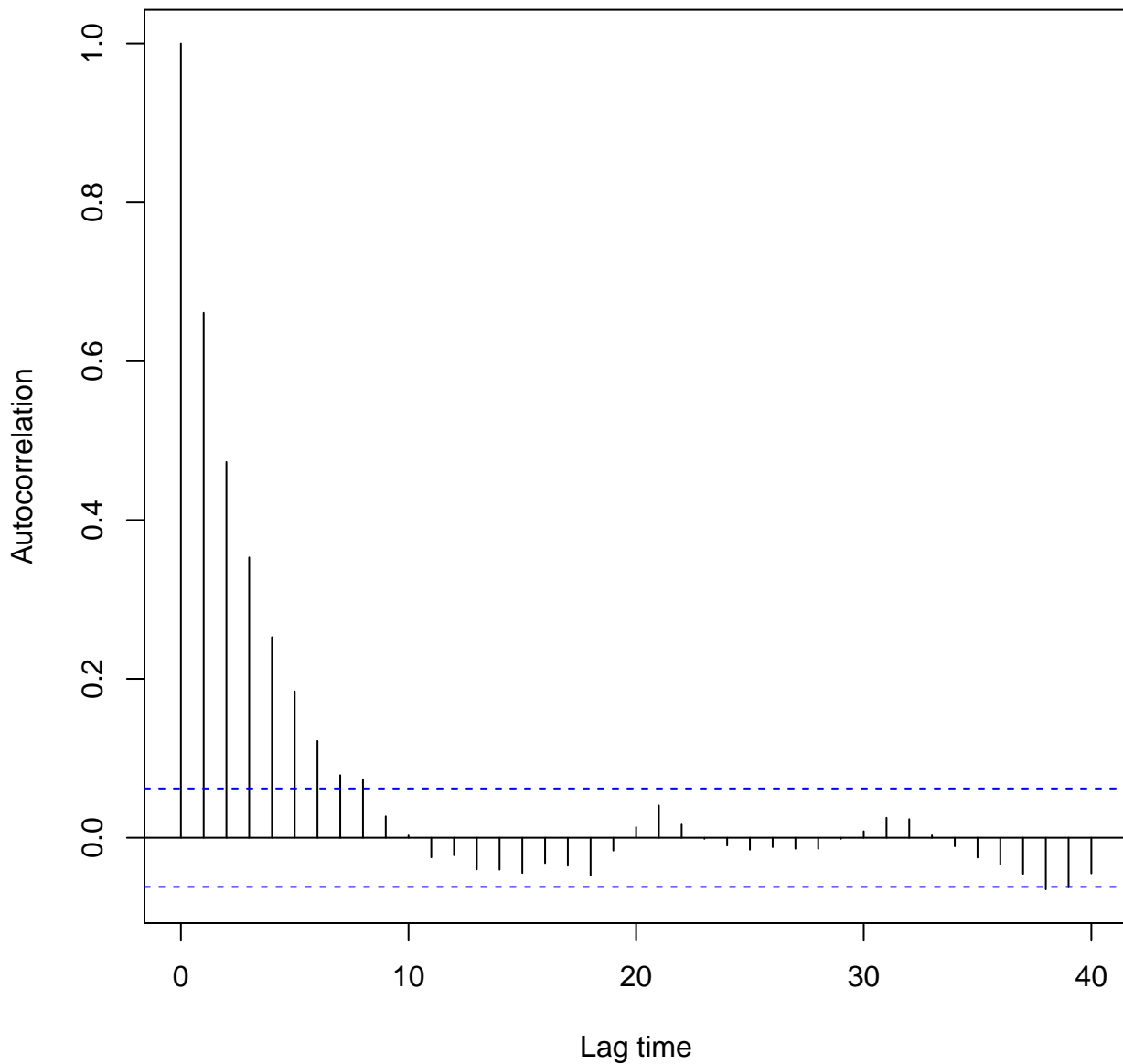
# Selection Z AGC Mixture: 1



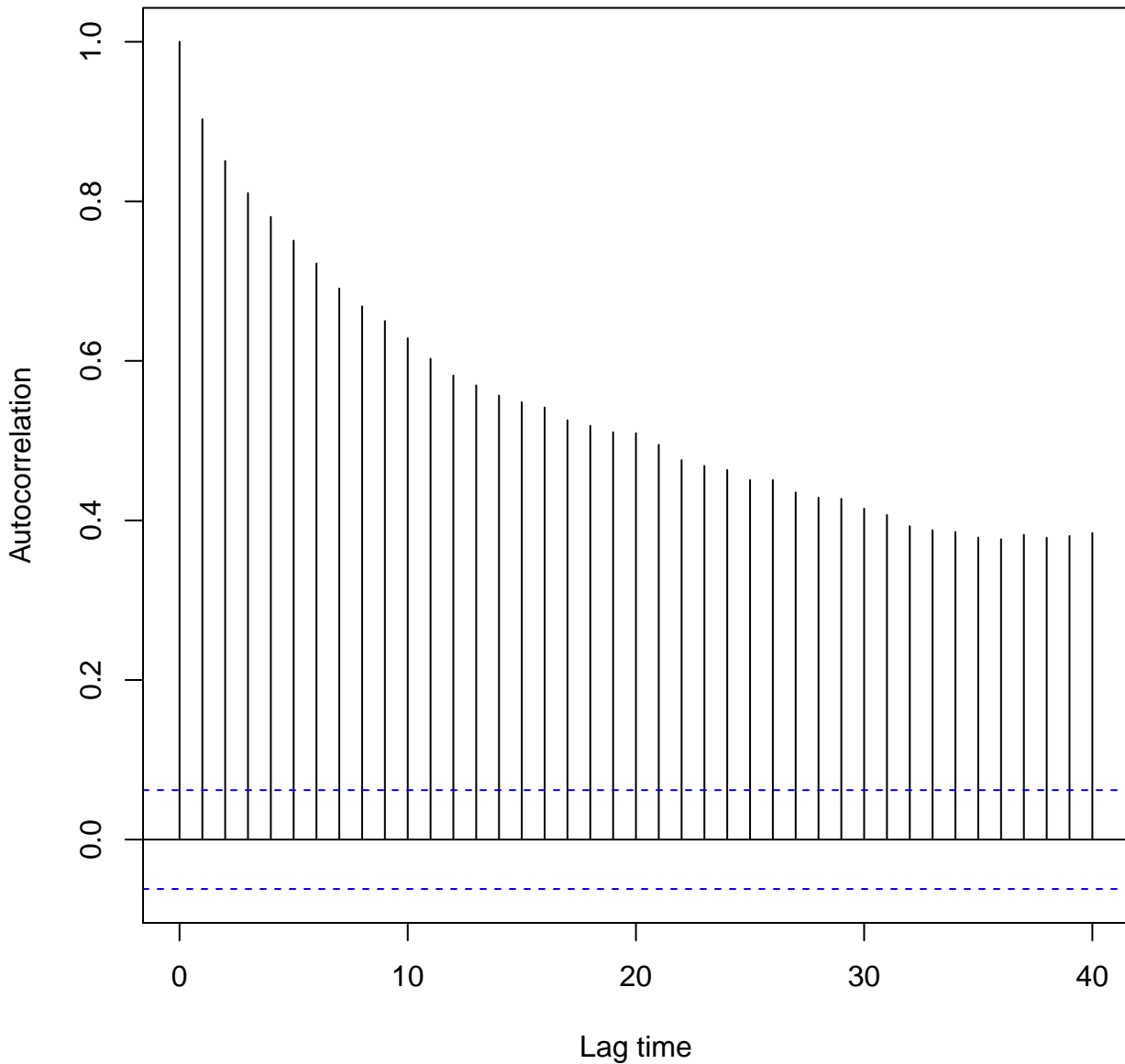
# Mutation A GCA Mixture: 1



# Mutation A GCC Mixture: 1

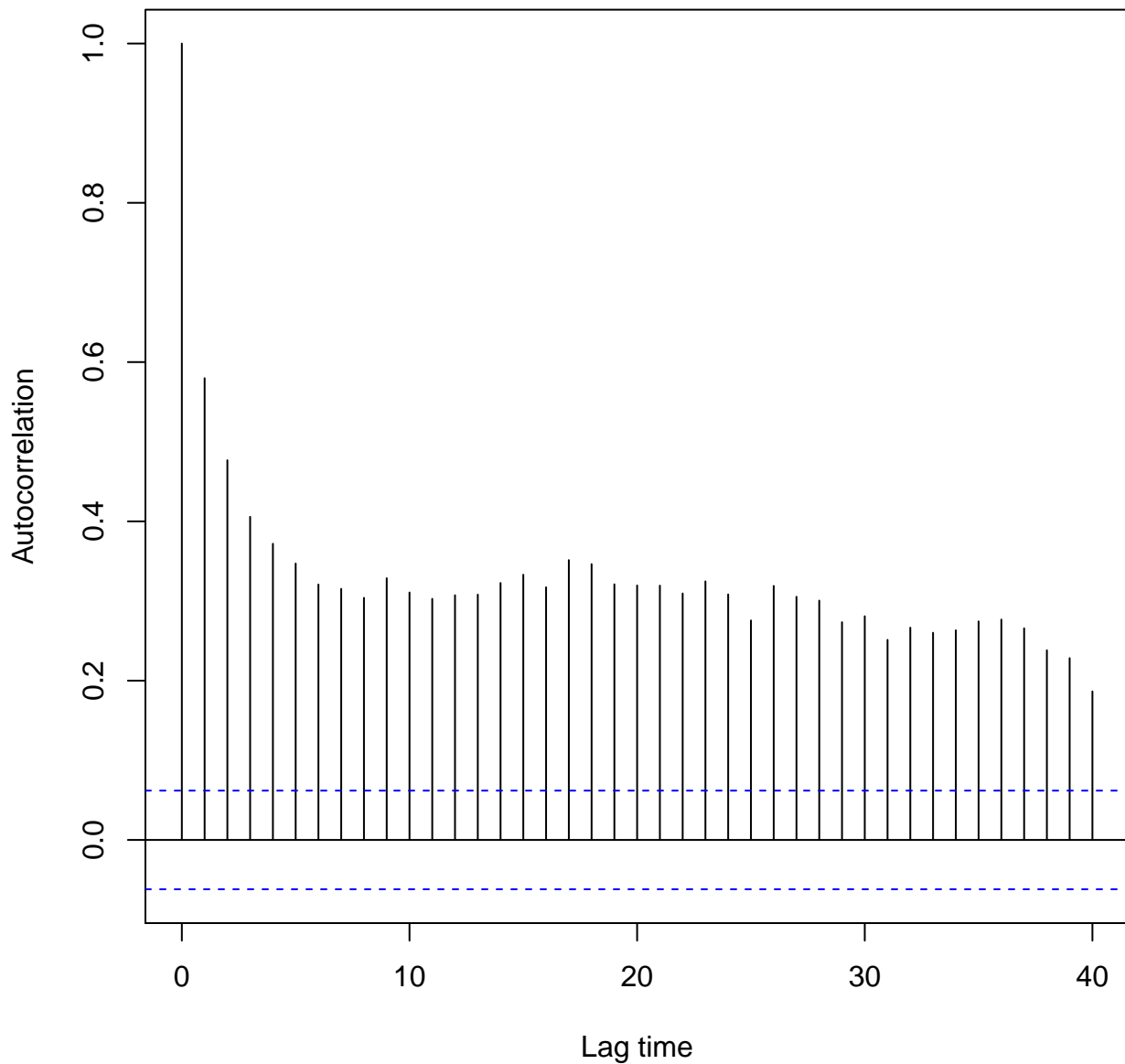


# Mutation A GCG Mixture: 1

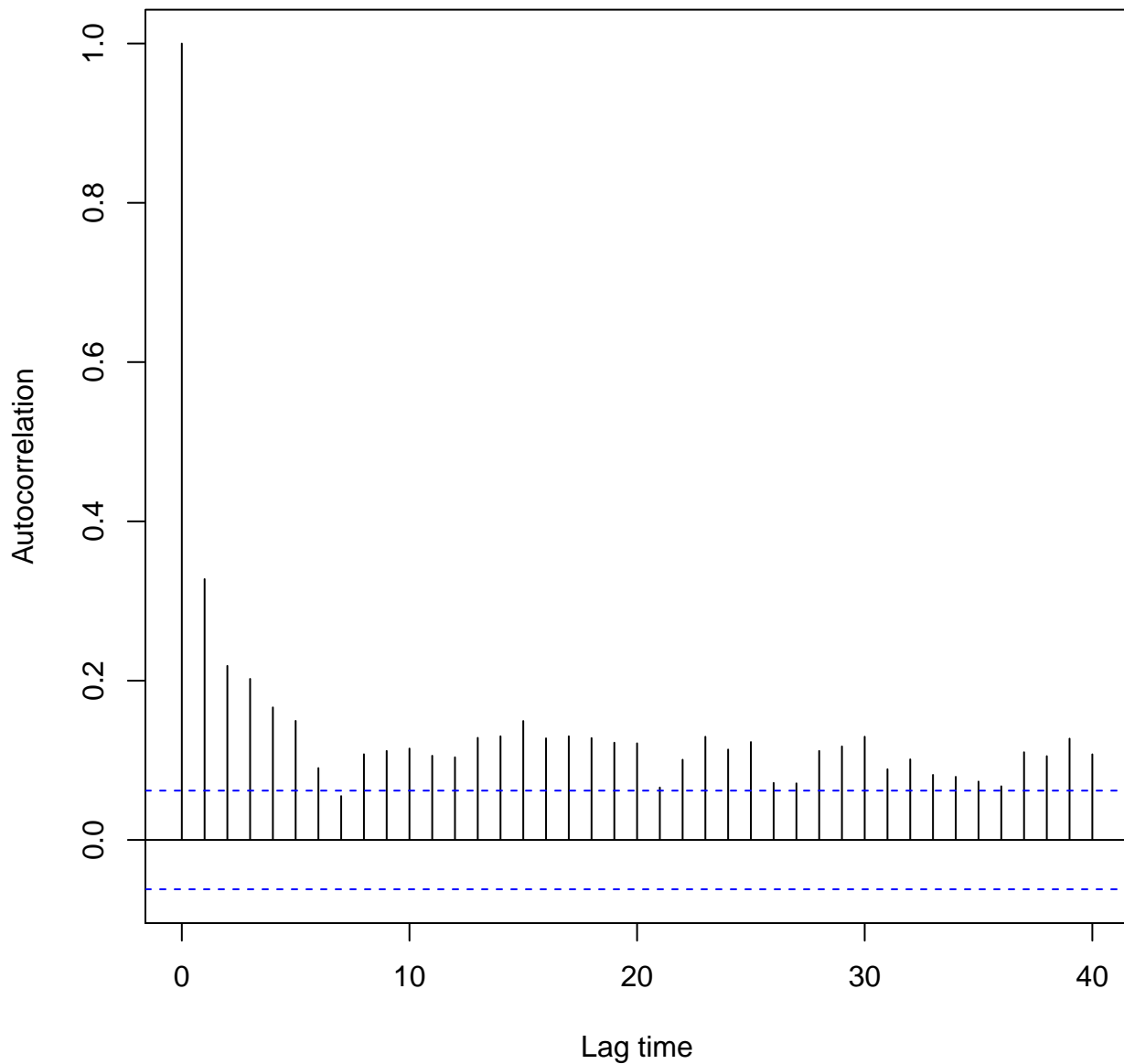




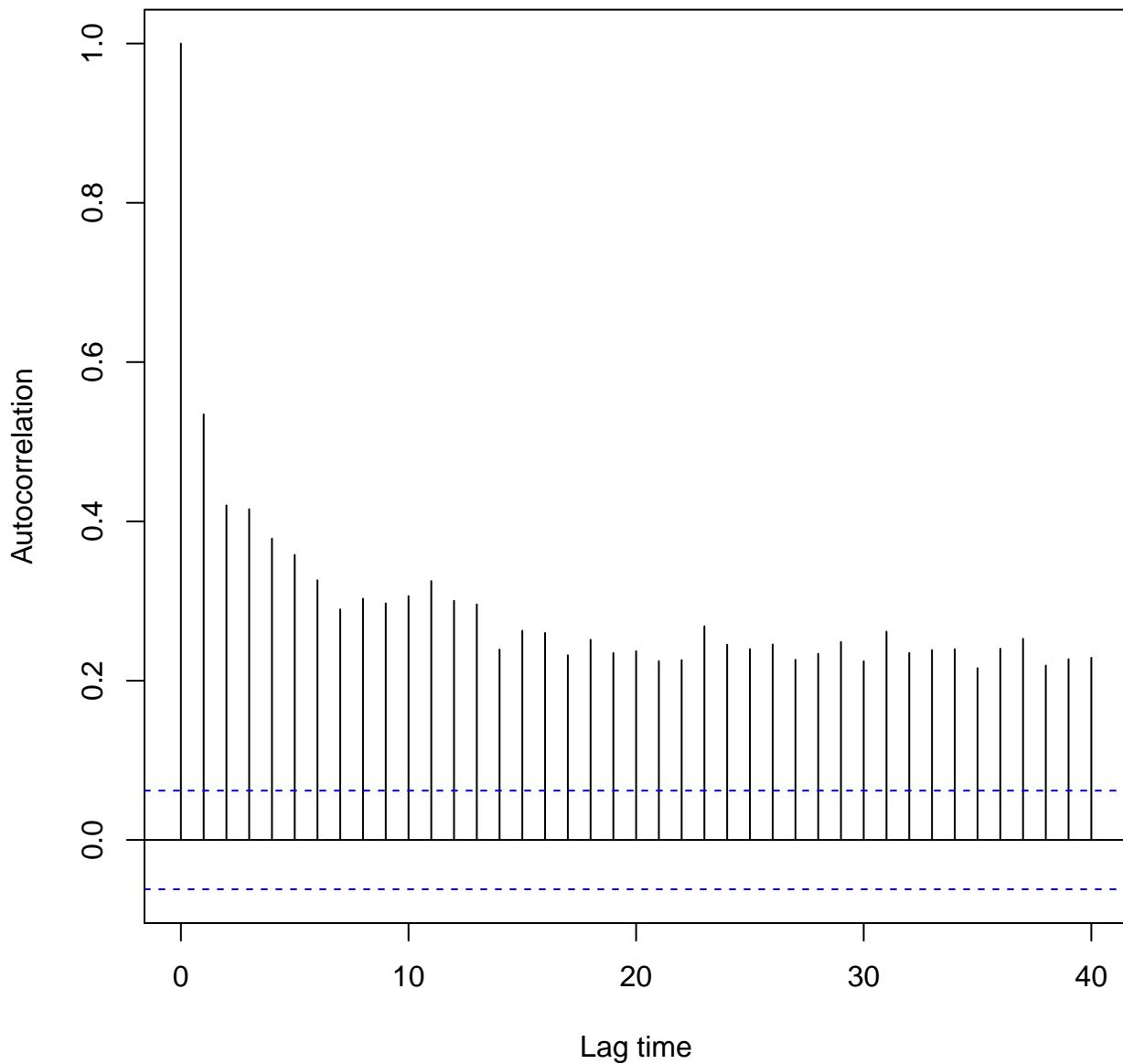
# Mutation C TGC Mixture: 1



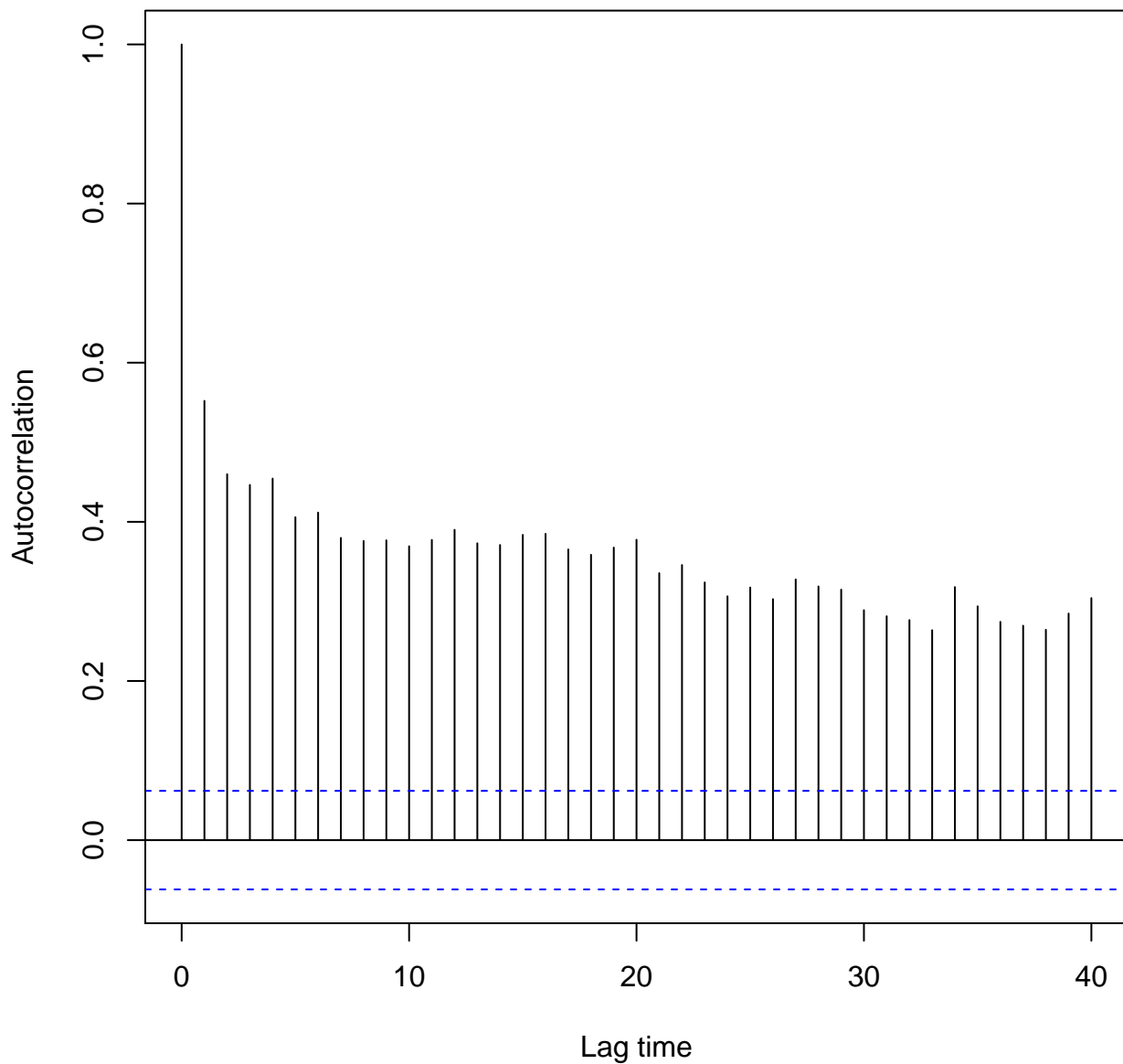
# Mutation D GAC Mixture: 1



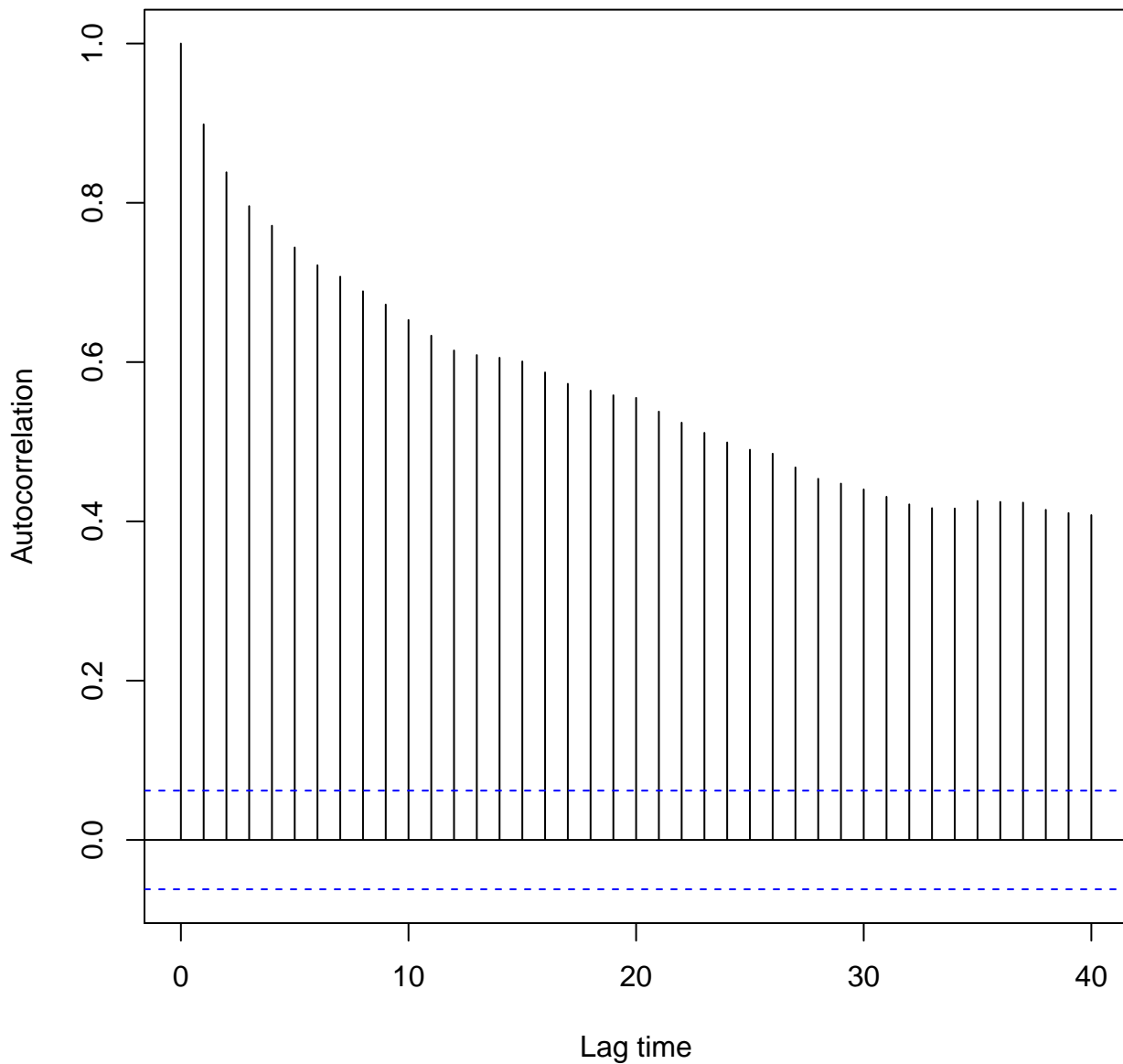
# Mutation E GAA Mixture: 1



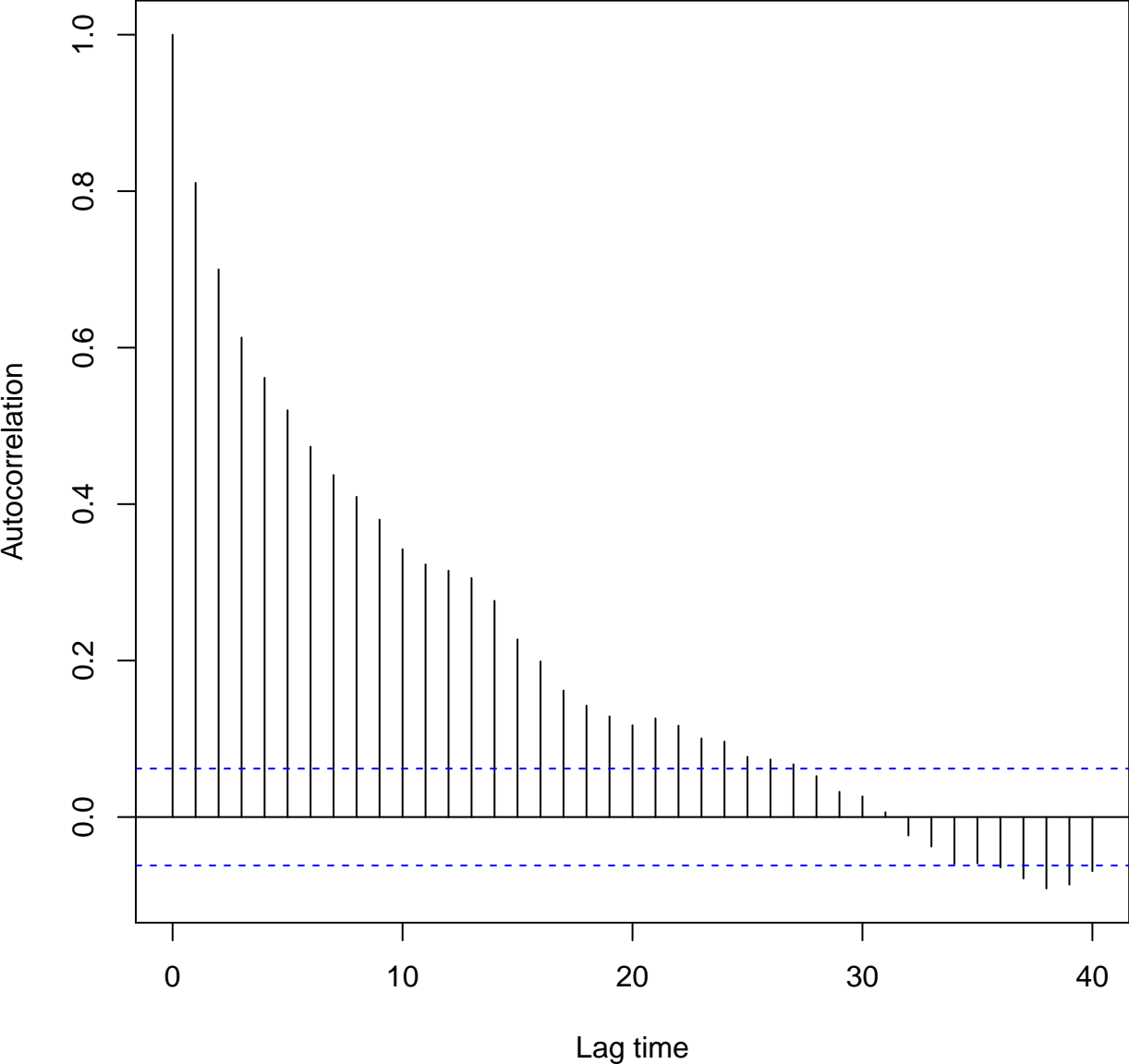
# Mutation F TTC Mixture: 1



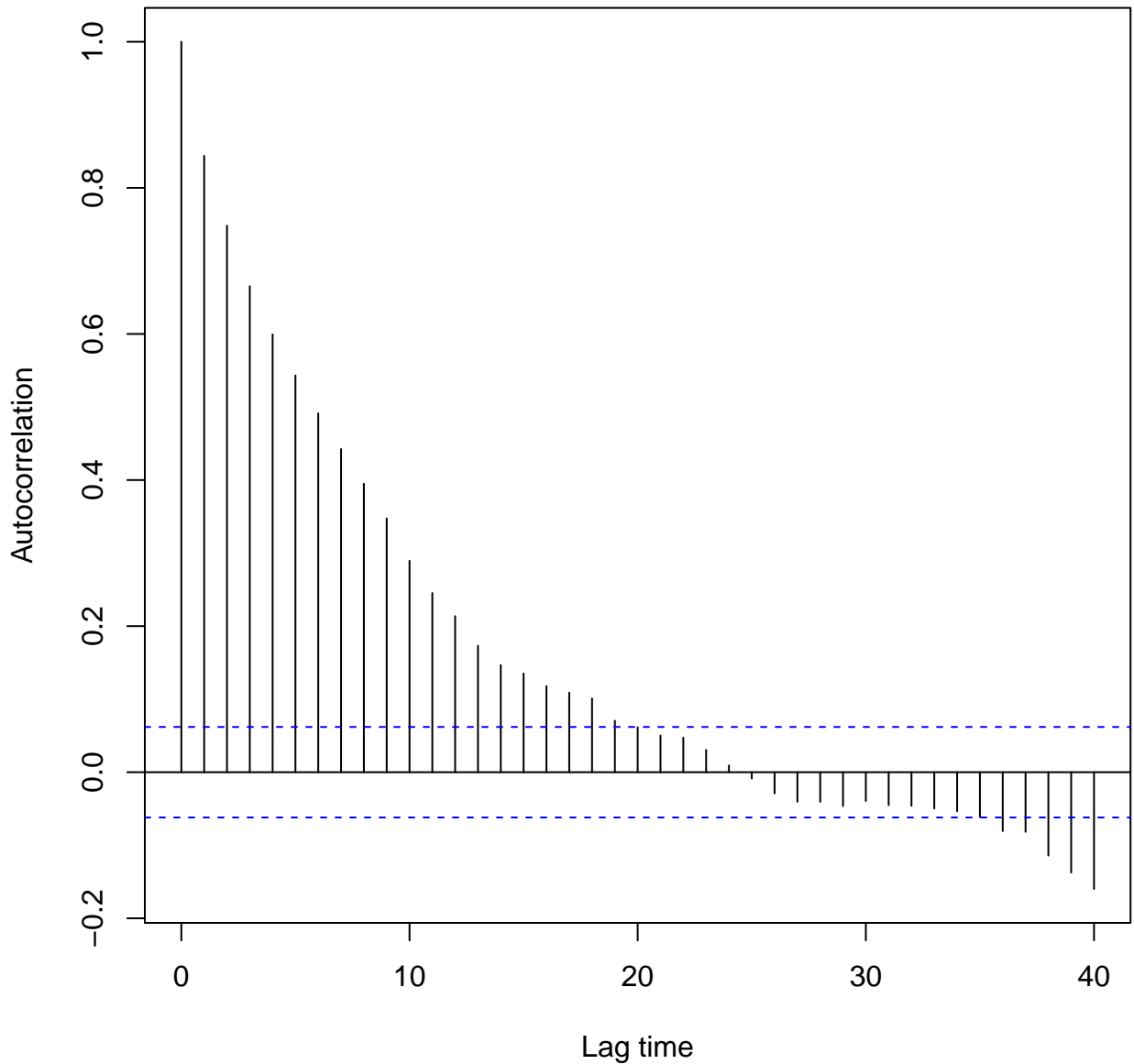
# Mutation G GGA Mixture: 1



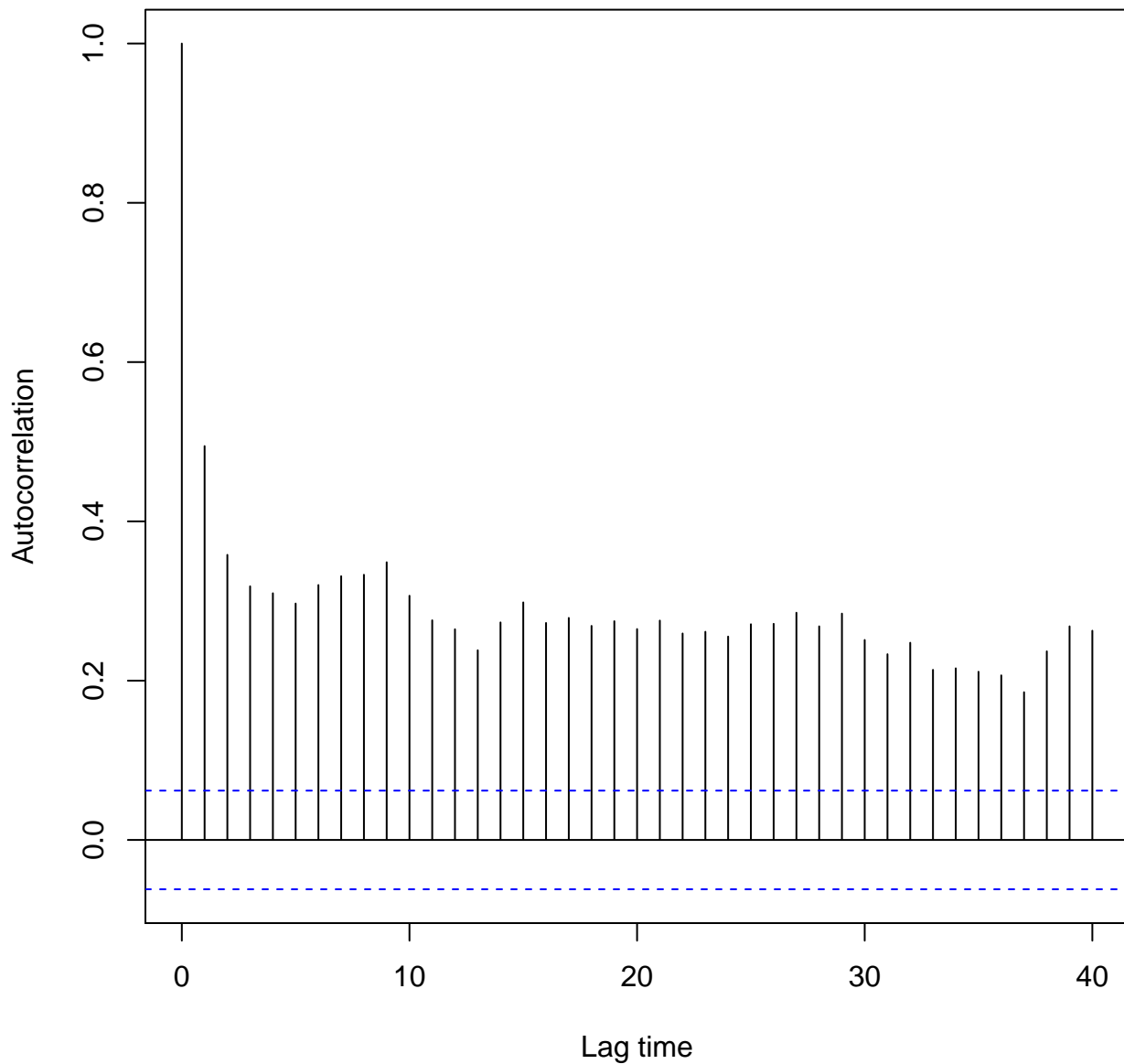
**Mutation G GGC Mixture: 1**



# Mutation G GGG Mixture: 1

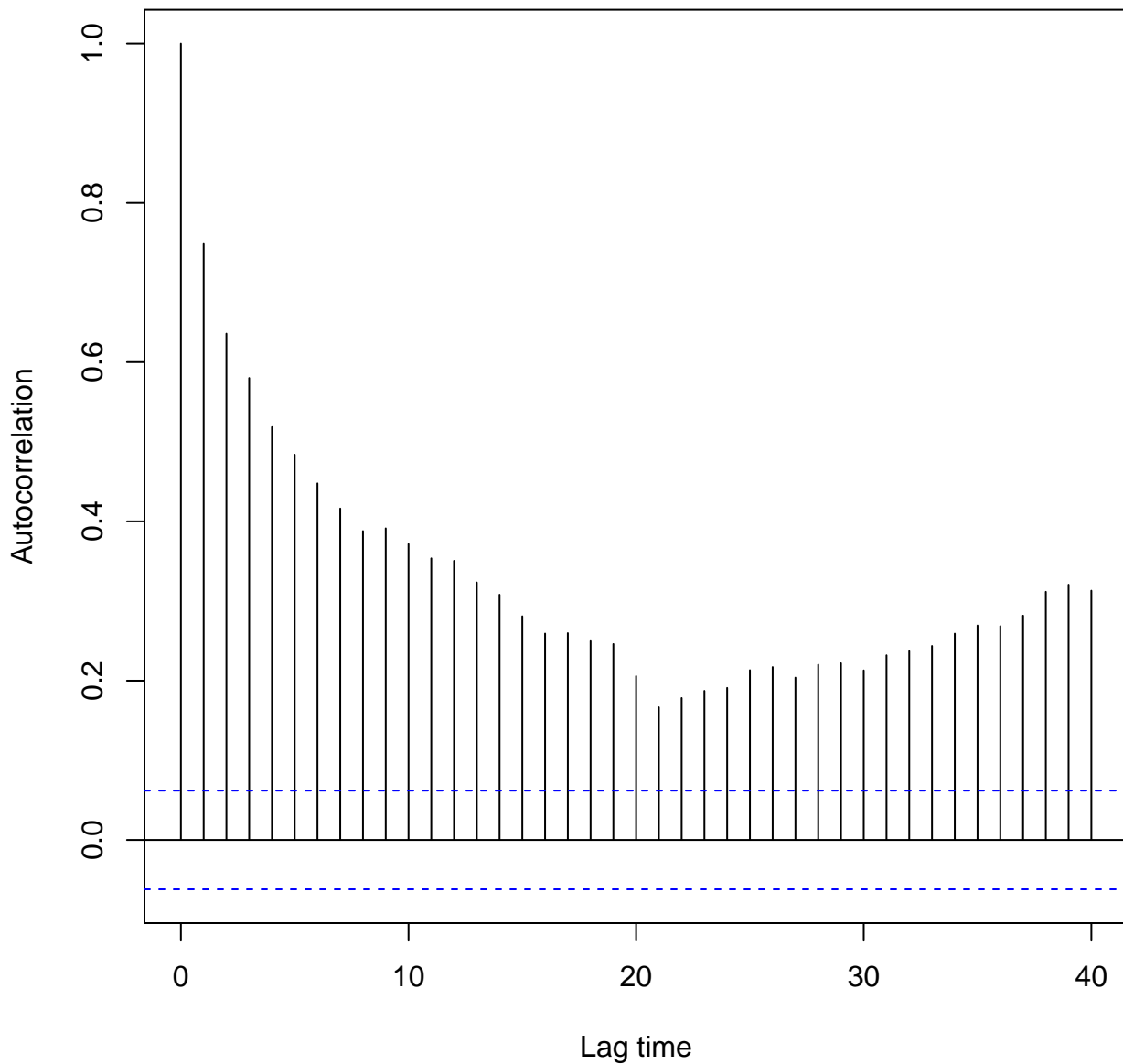


# Mutation H CAC Mixture: 1

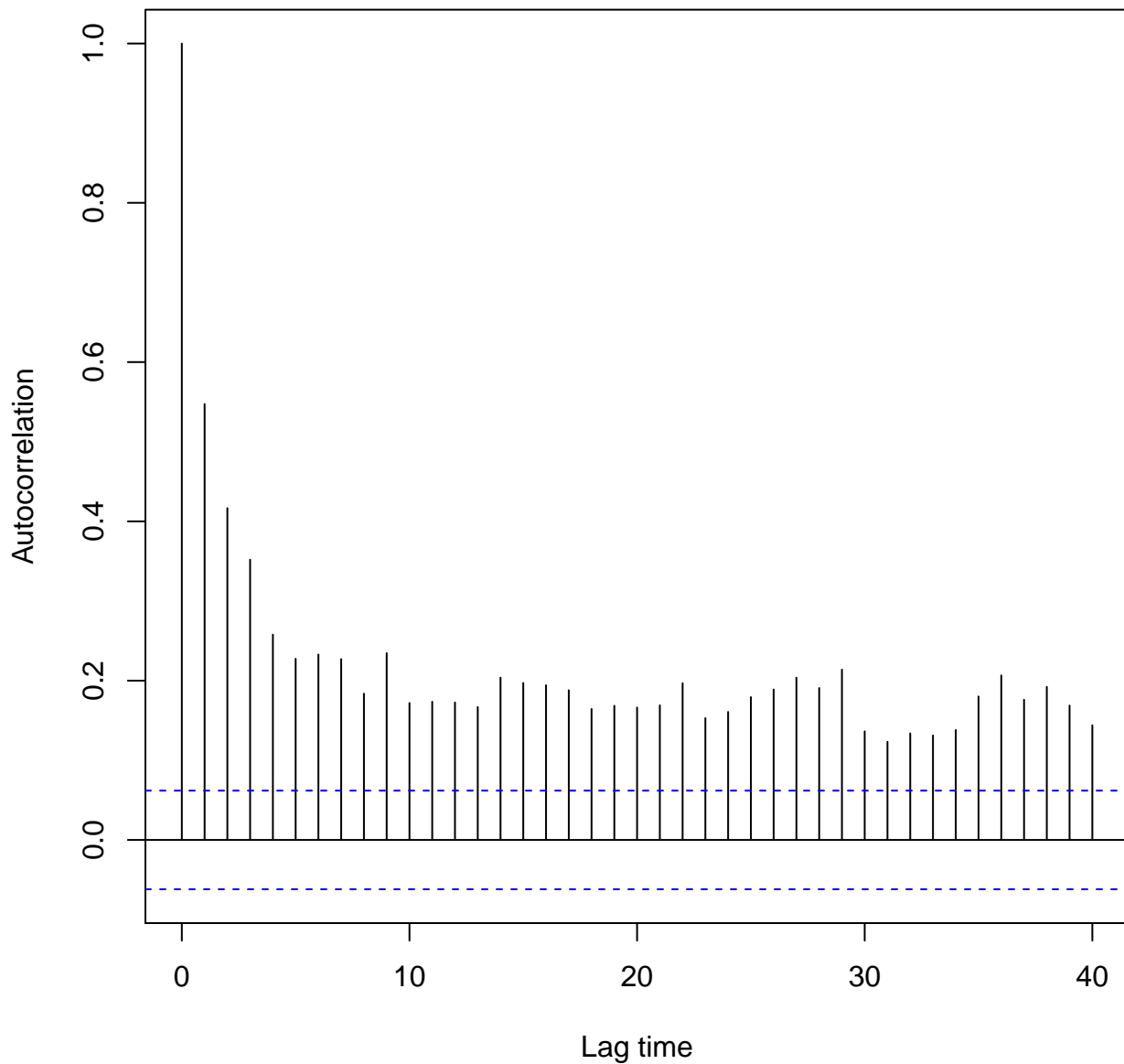




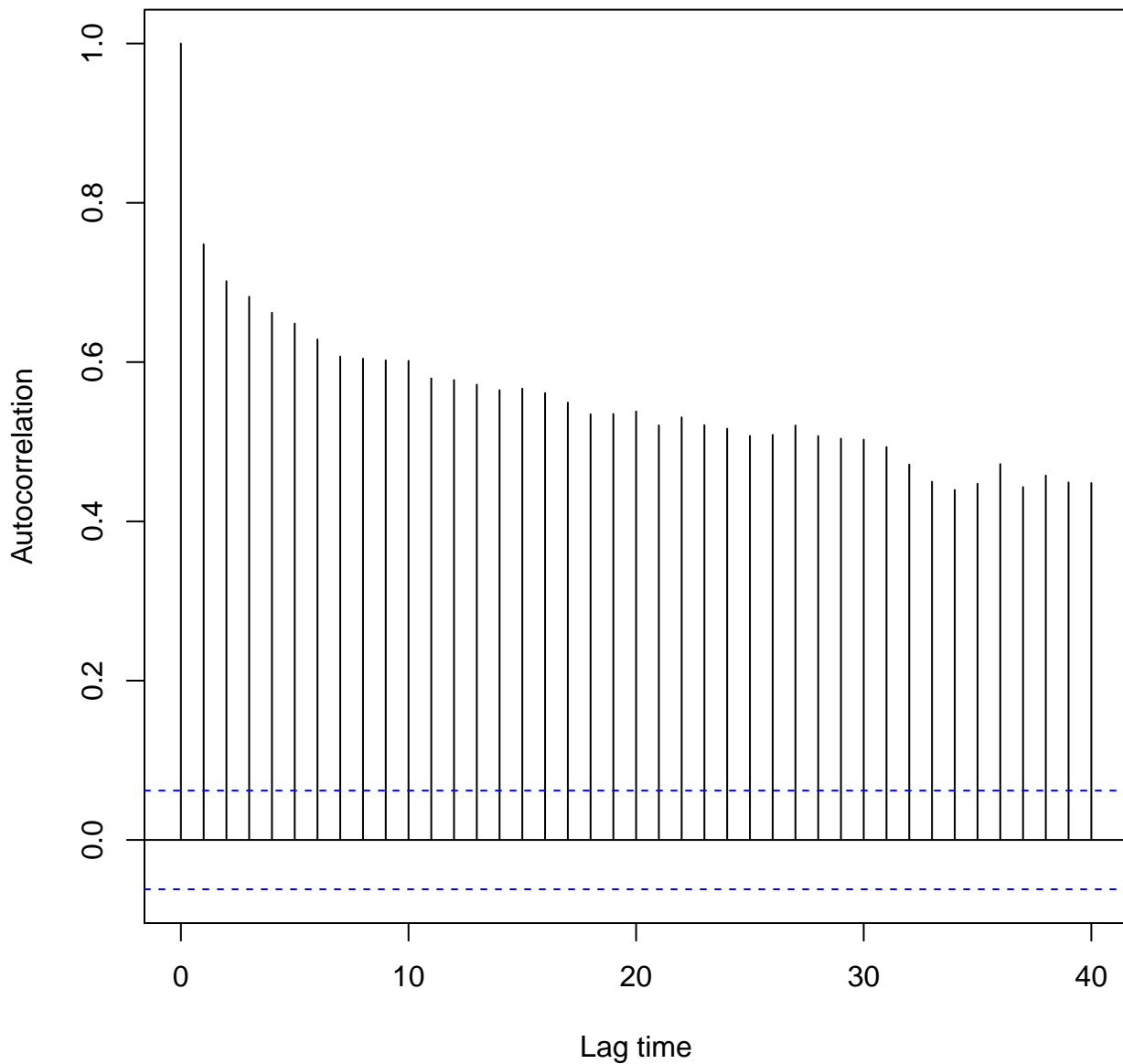
# Mutation I ATA Mixture: 1



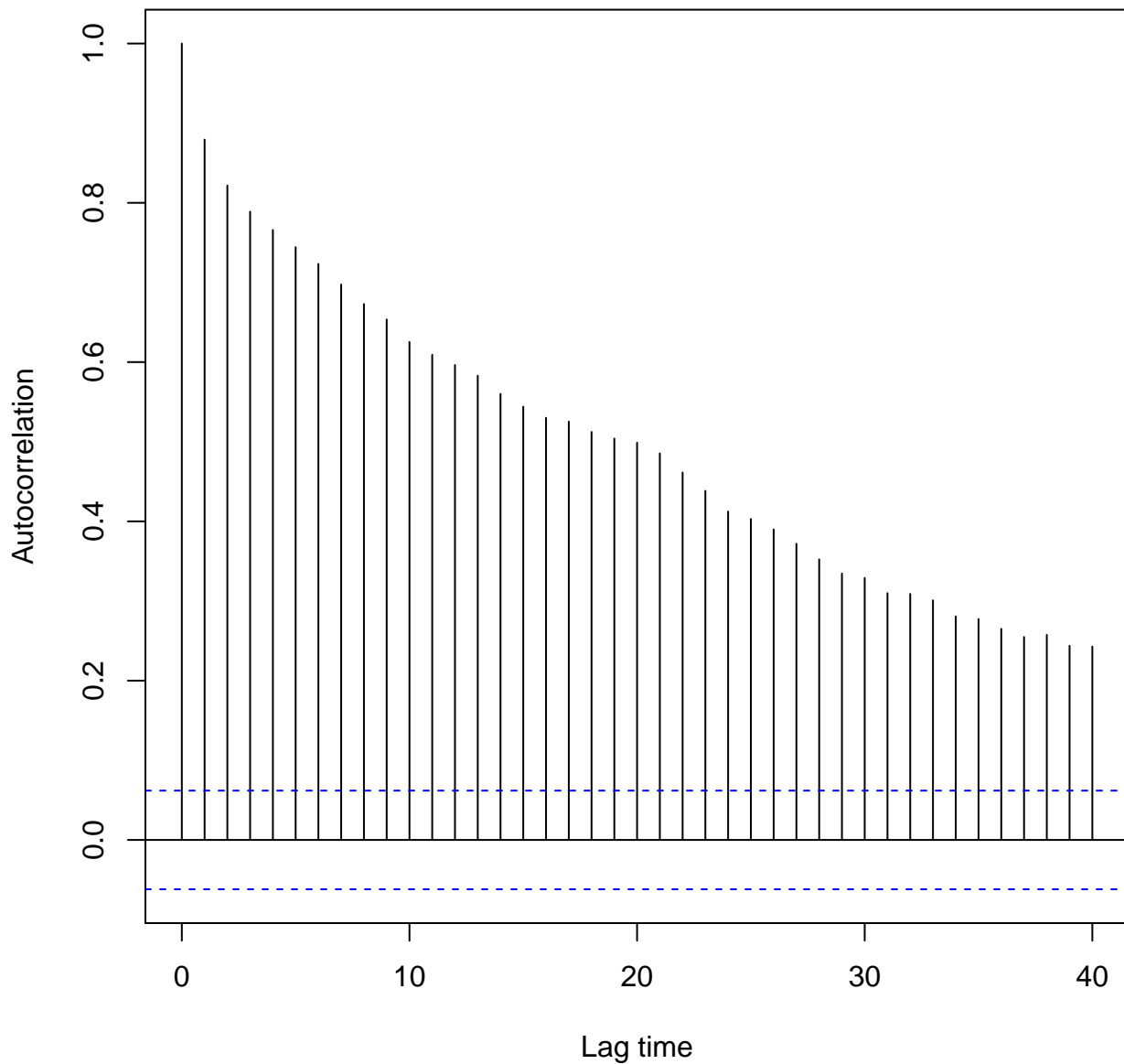
# Mutation I ATC Mixture: 1



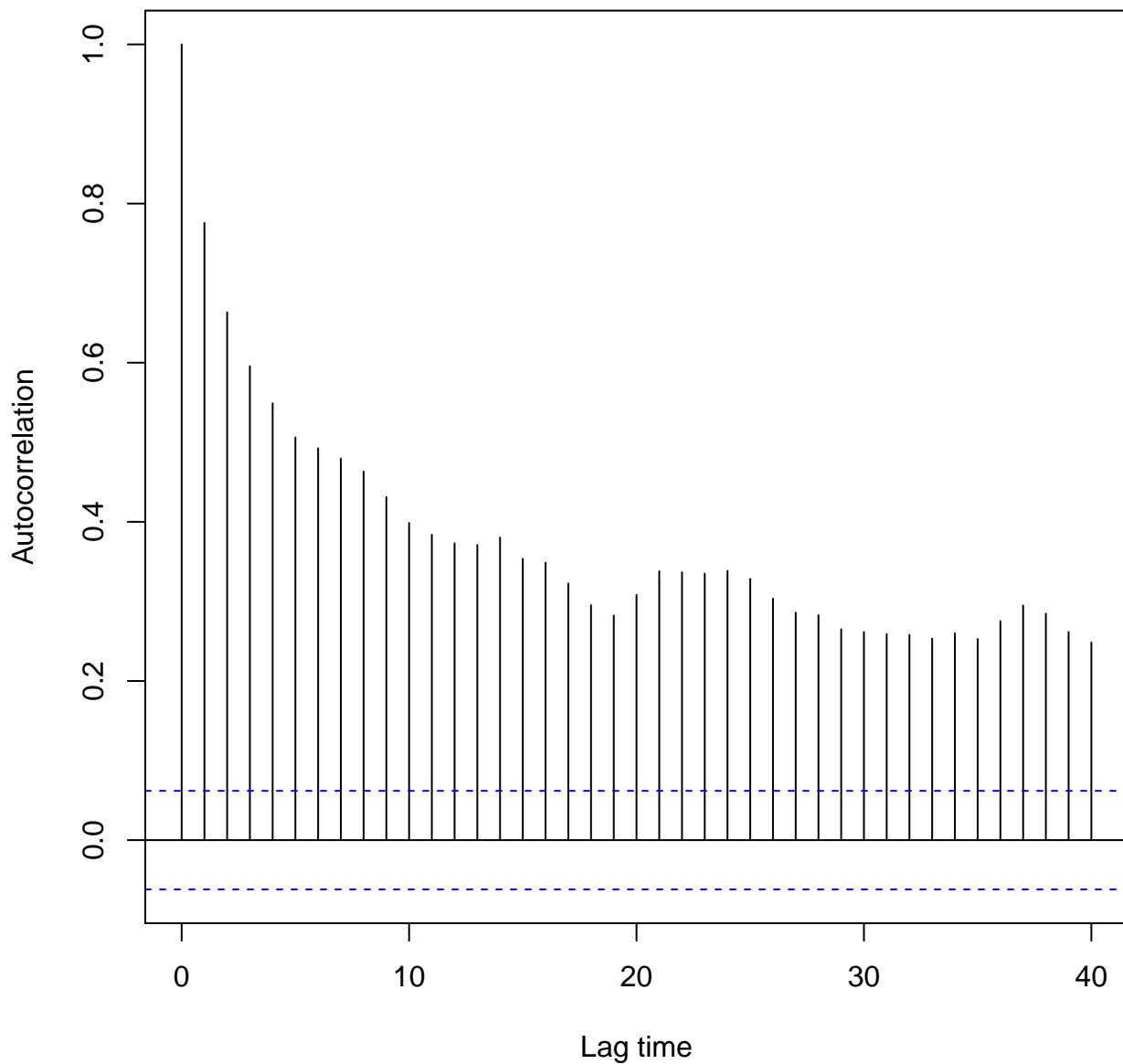
# Mutation K AAA Mixture: 1



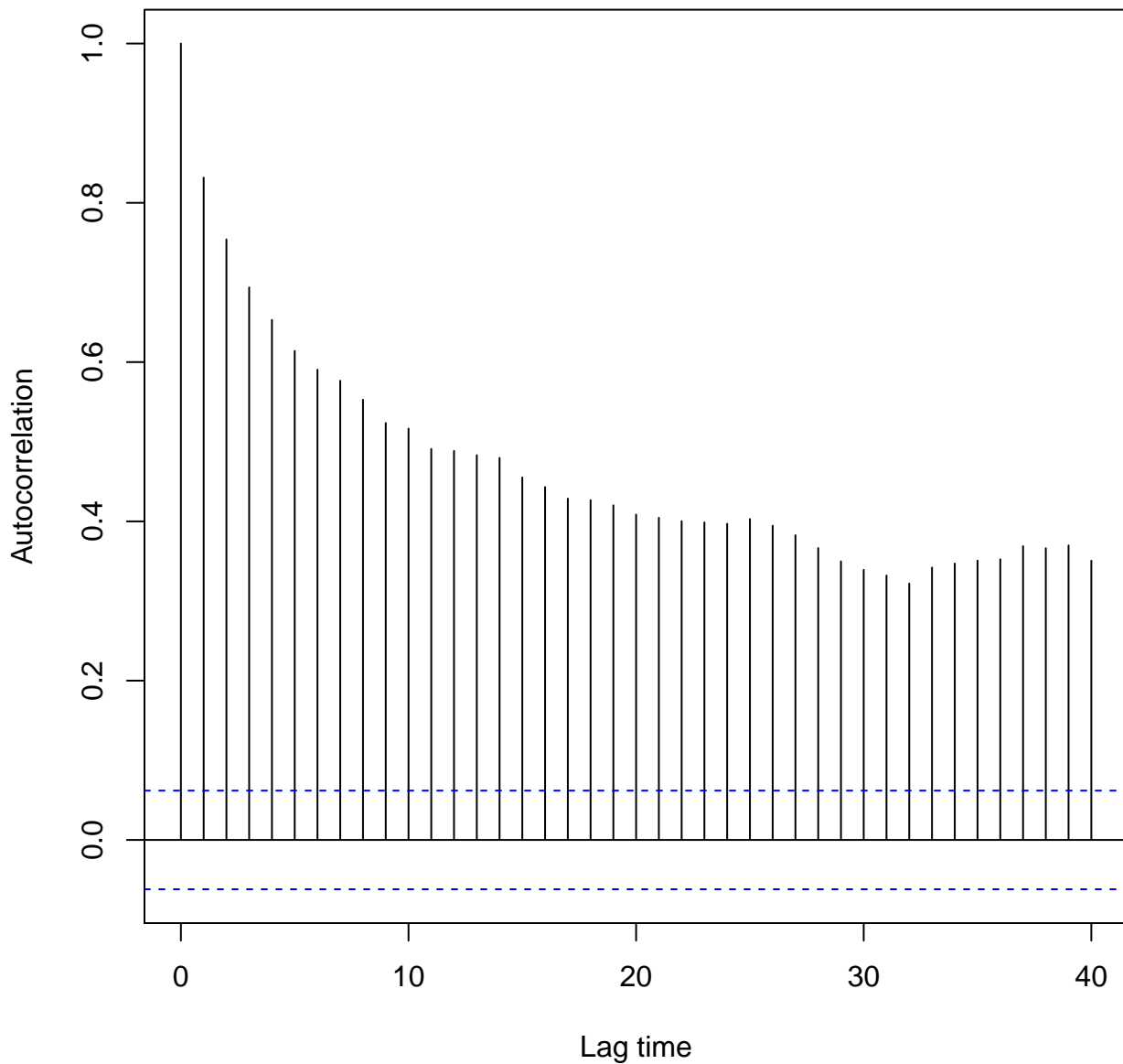
# Mutation L CTA Mixture: 1



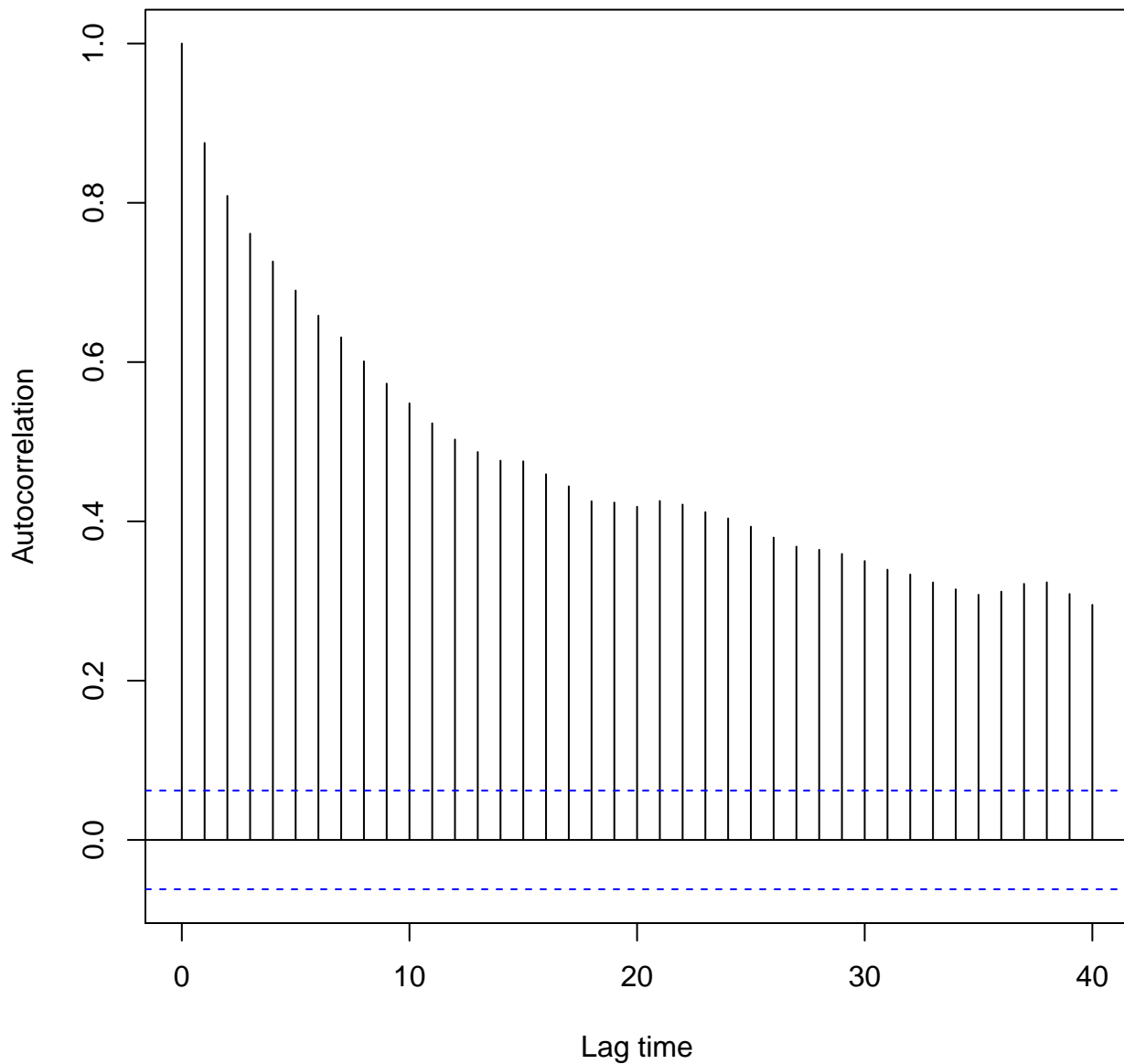
# Mutation L CTC Mixture: 1



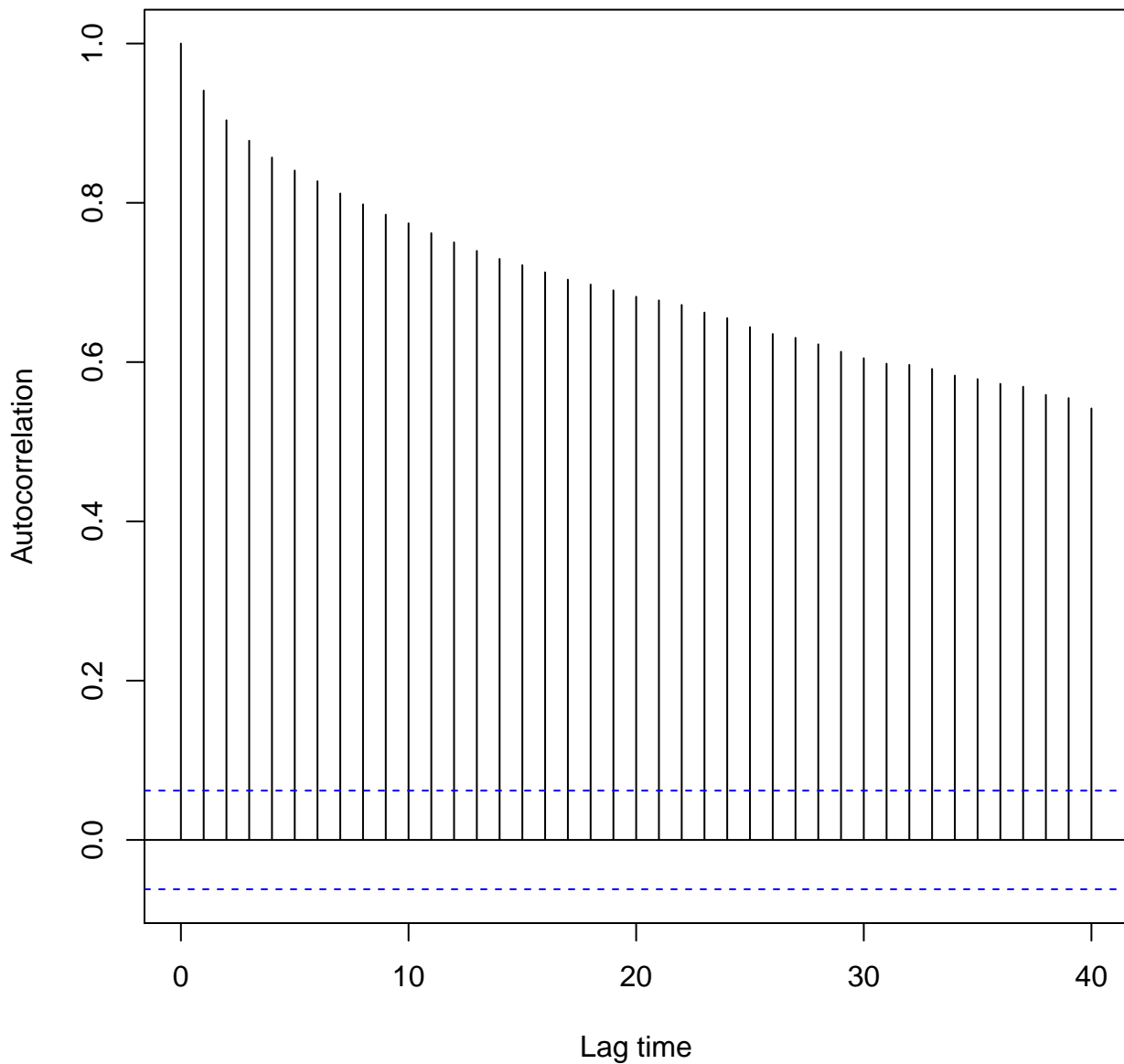
# Mutation L CTG Mixture: 1



# Mutation L CTT Mixture: 1

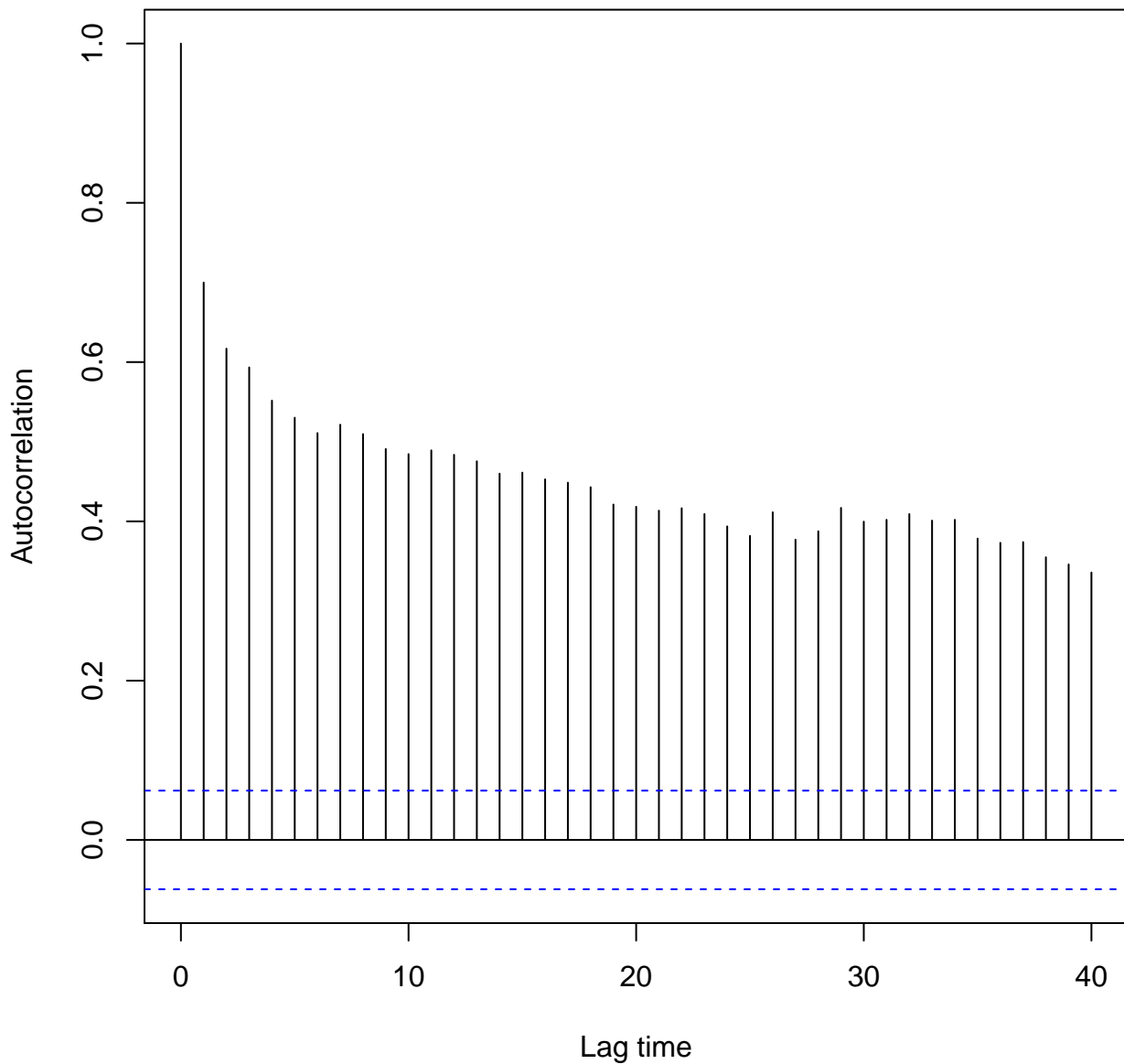


# Mutation L TTA Mixture: 1

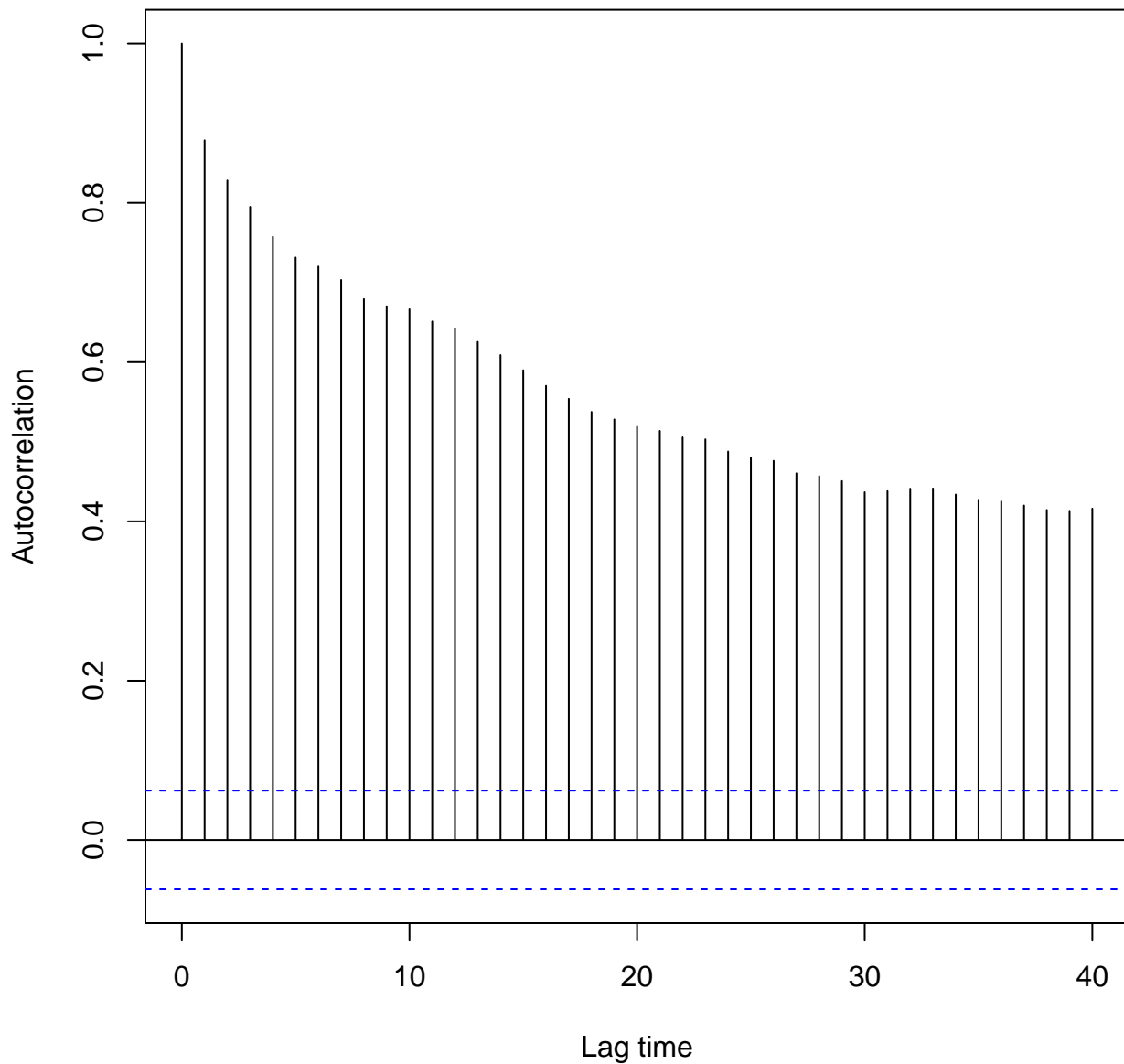




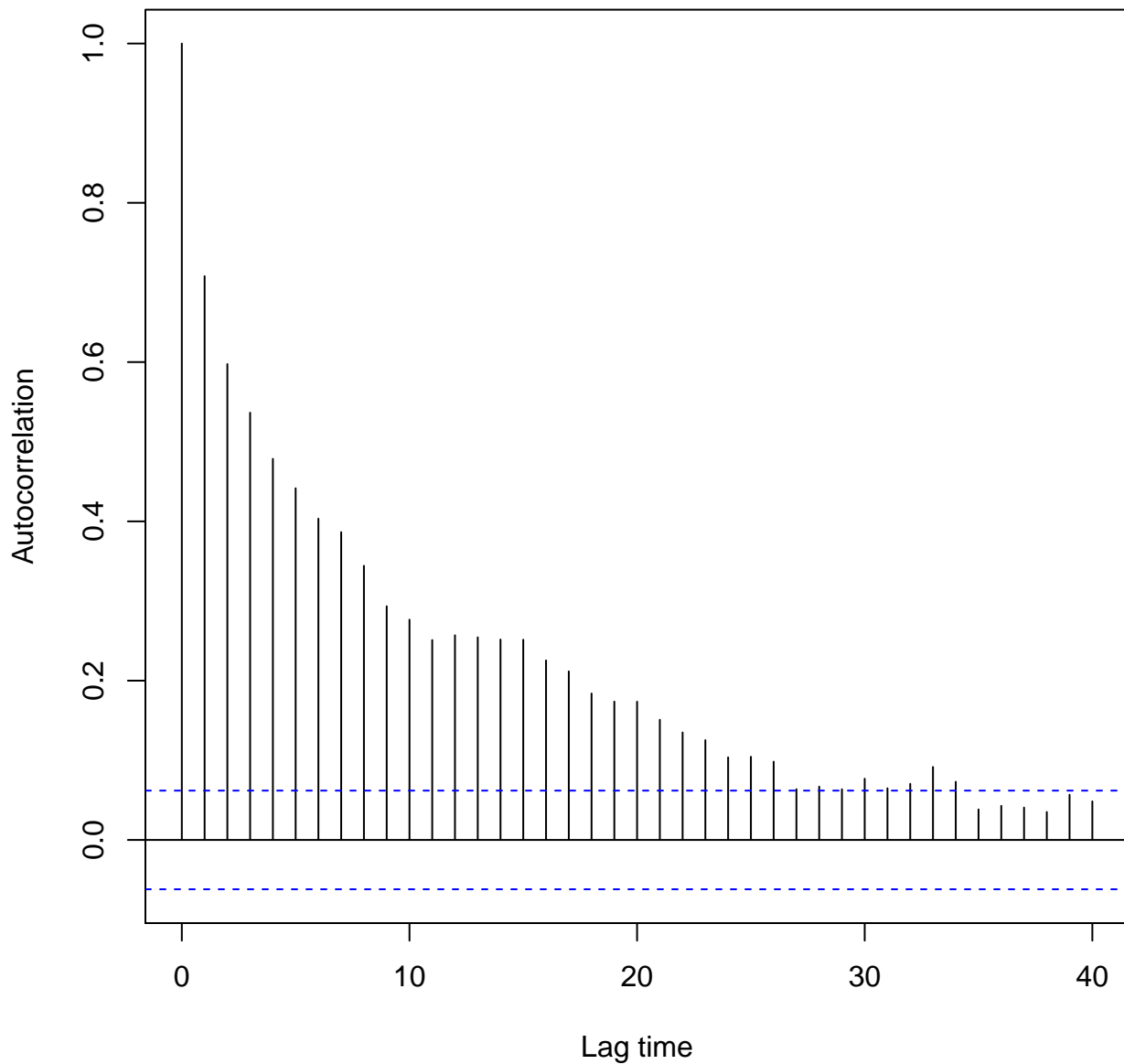
# Mutation N AAC Mixture: 1



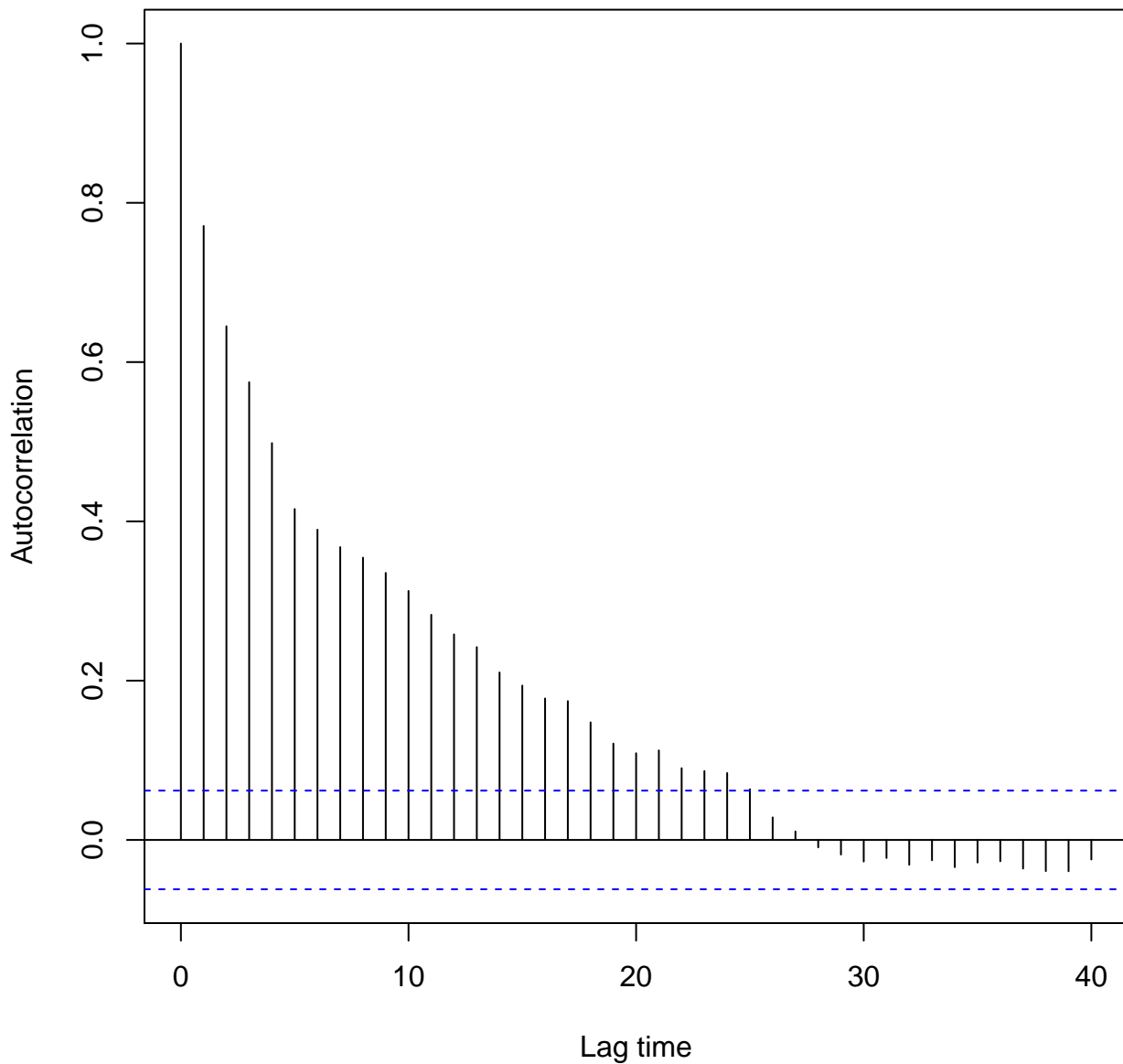
# Mutation P CCA Mixture: 1



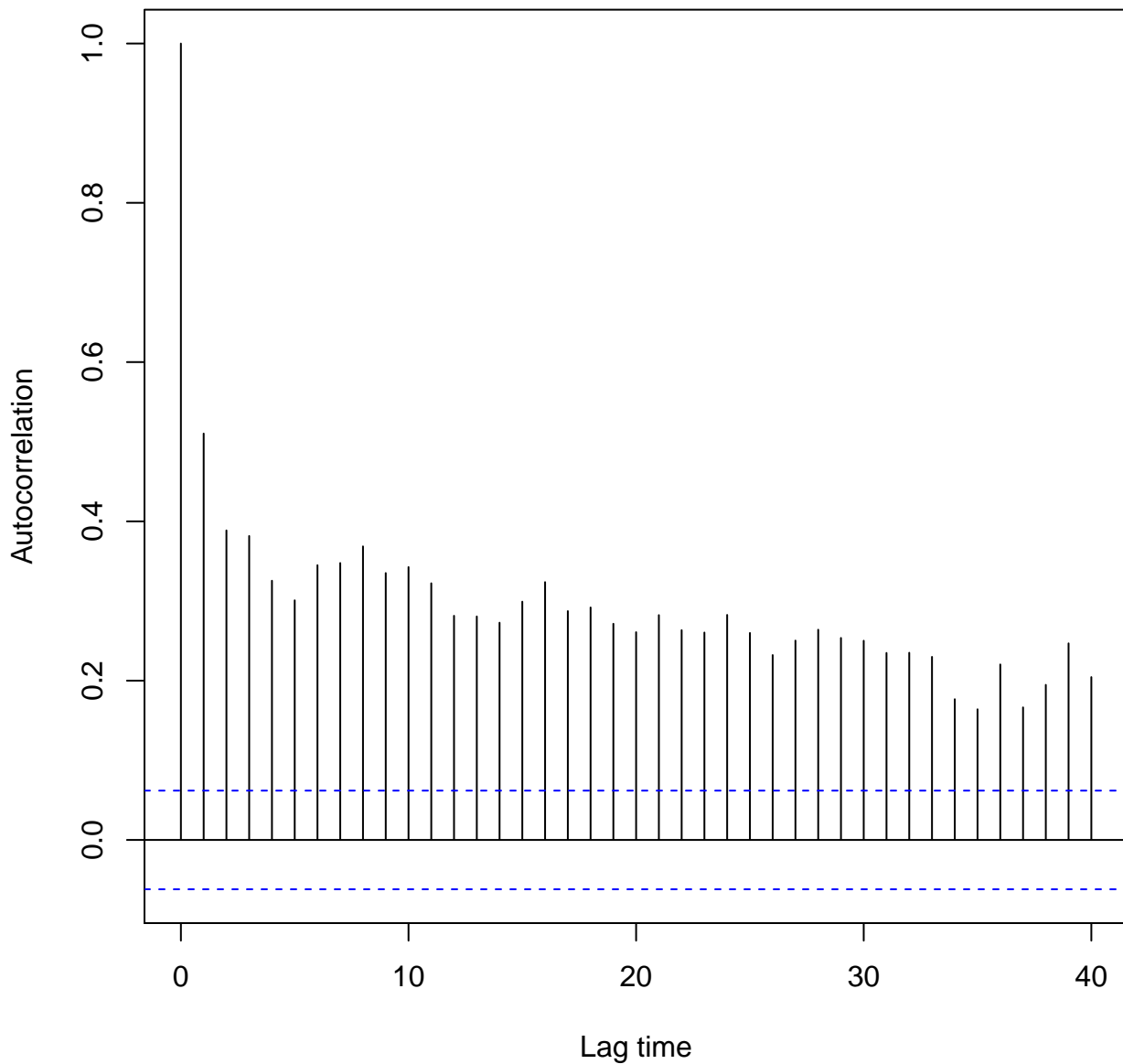
# Mutation P CCC Mixture: 1



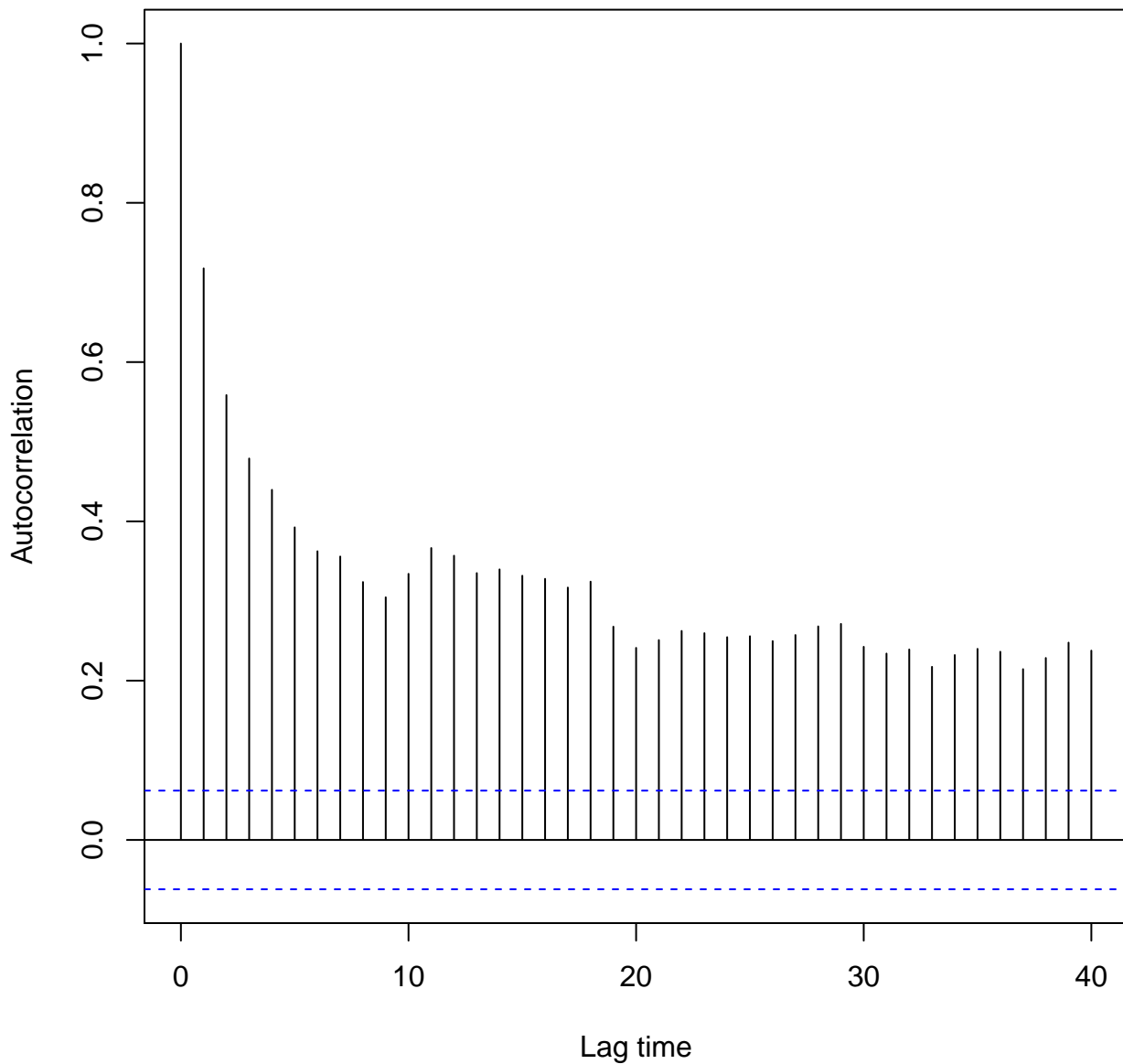
# Mutation P CCG Mixture: 1



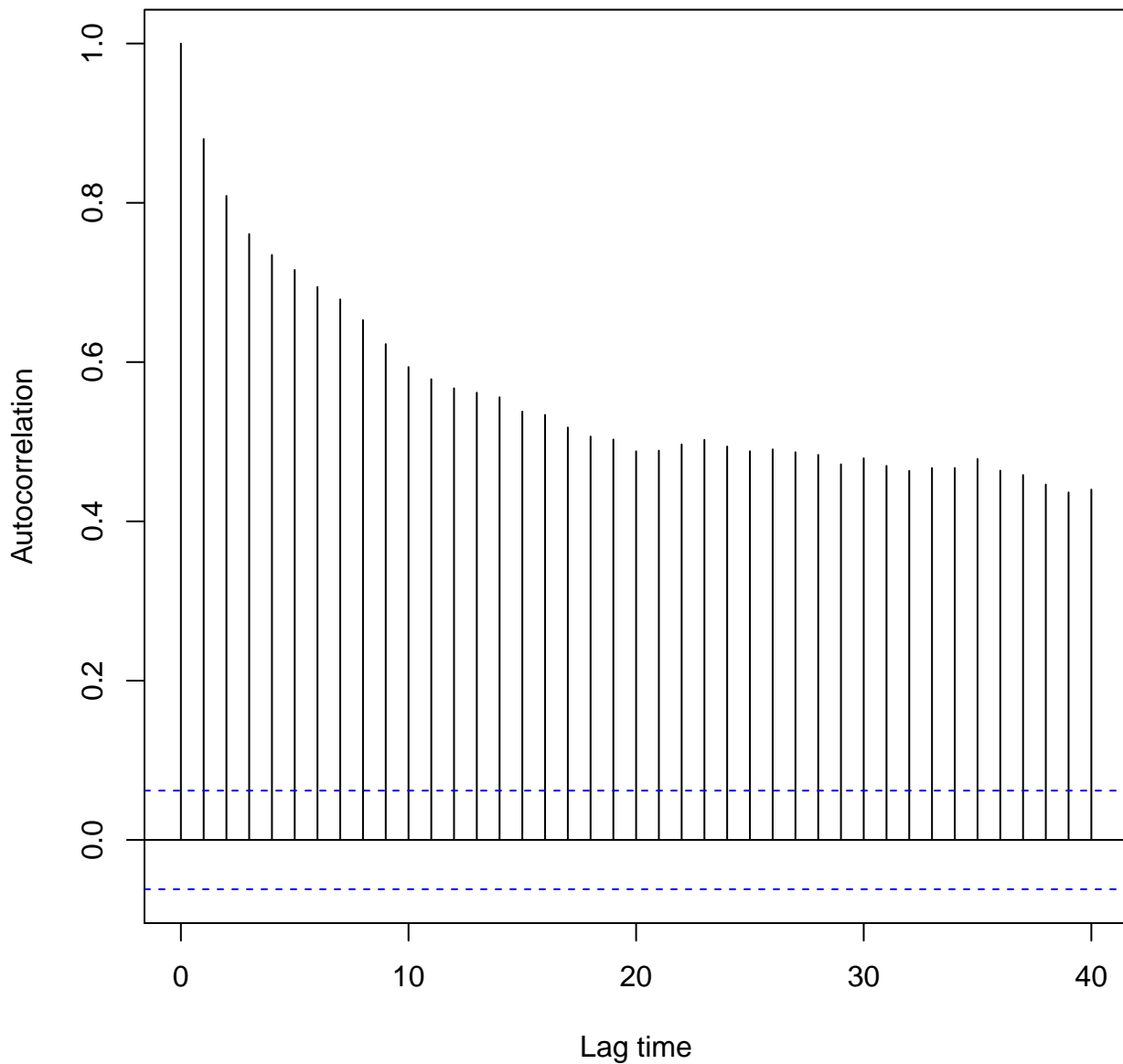
# Mutation Q CAA Mixture: 1



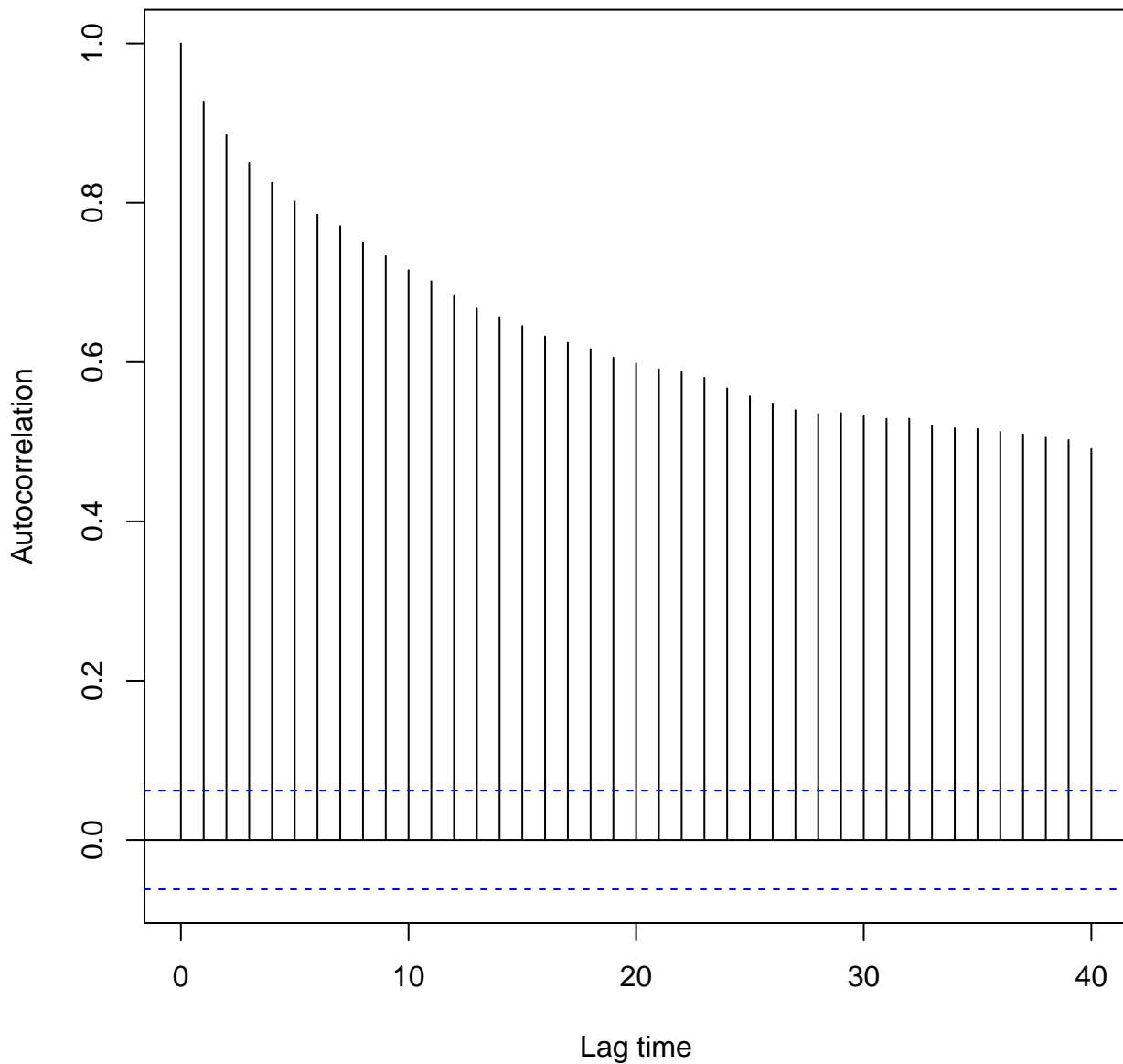
# Mutation R AGA Mixture: 1



# Mutation R AGG Mixture: 1

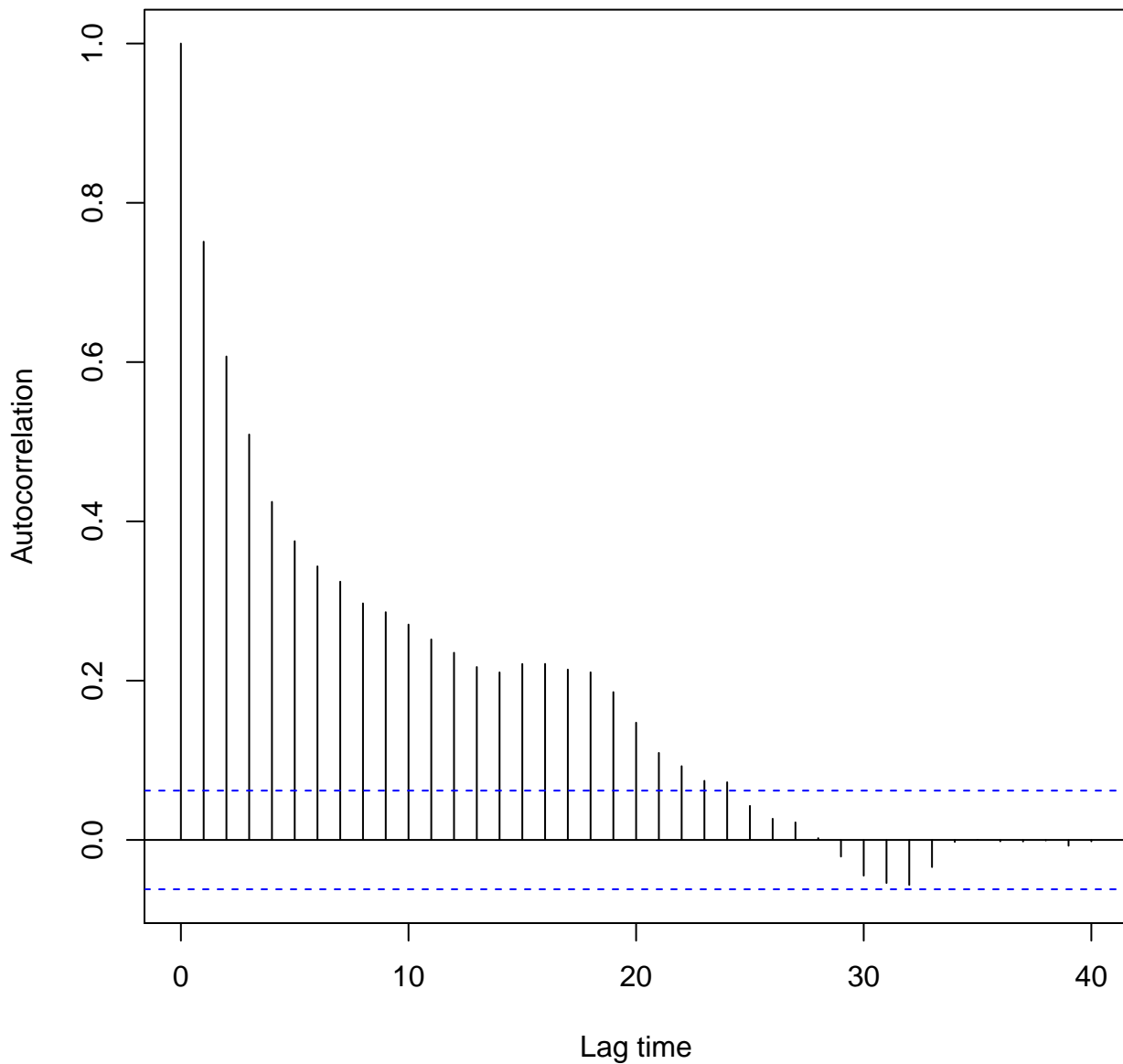


# Mutation R CGA Mixture: 1

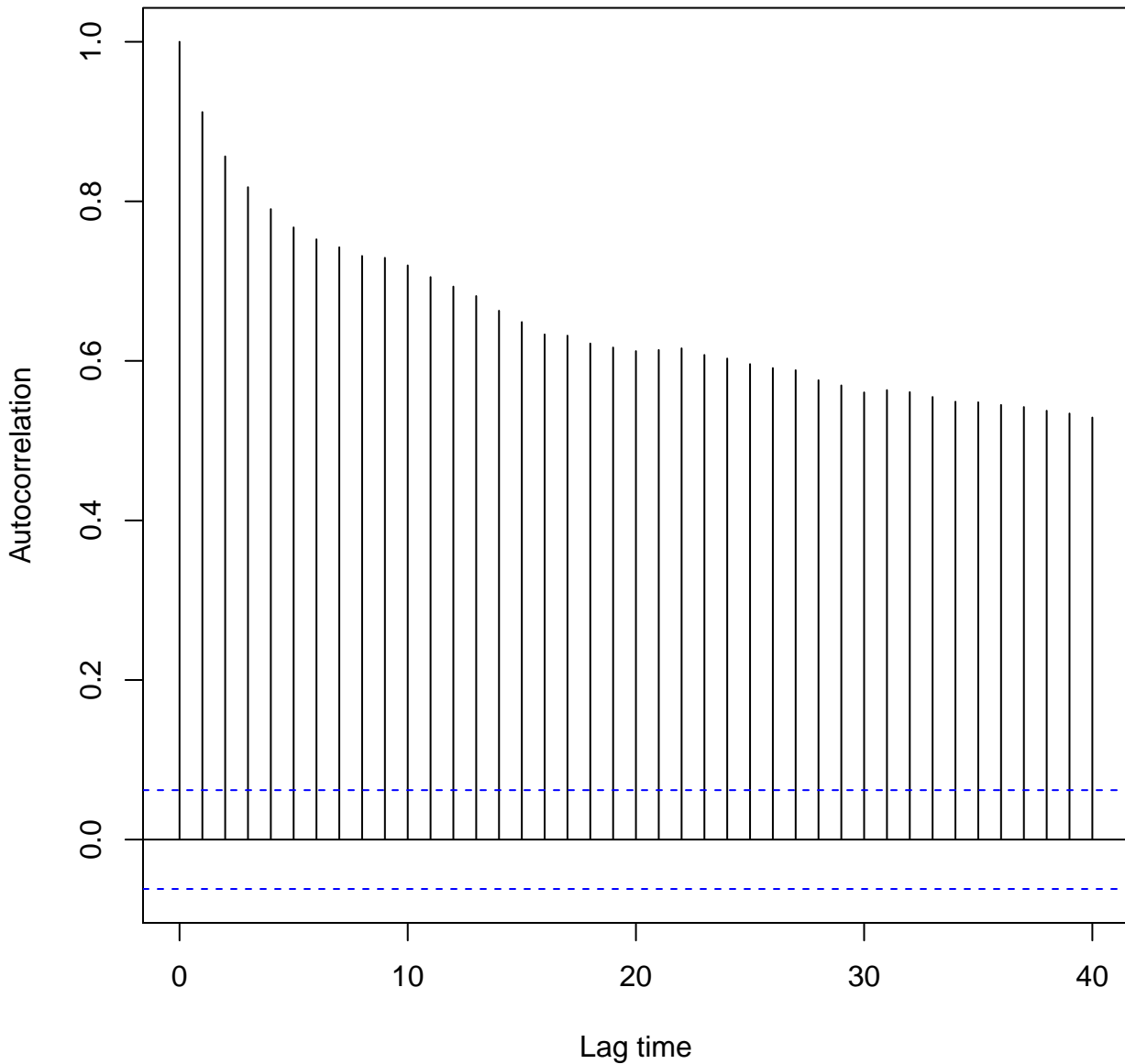




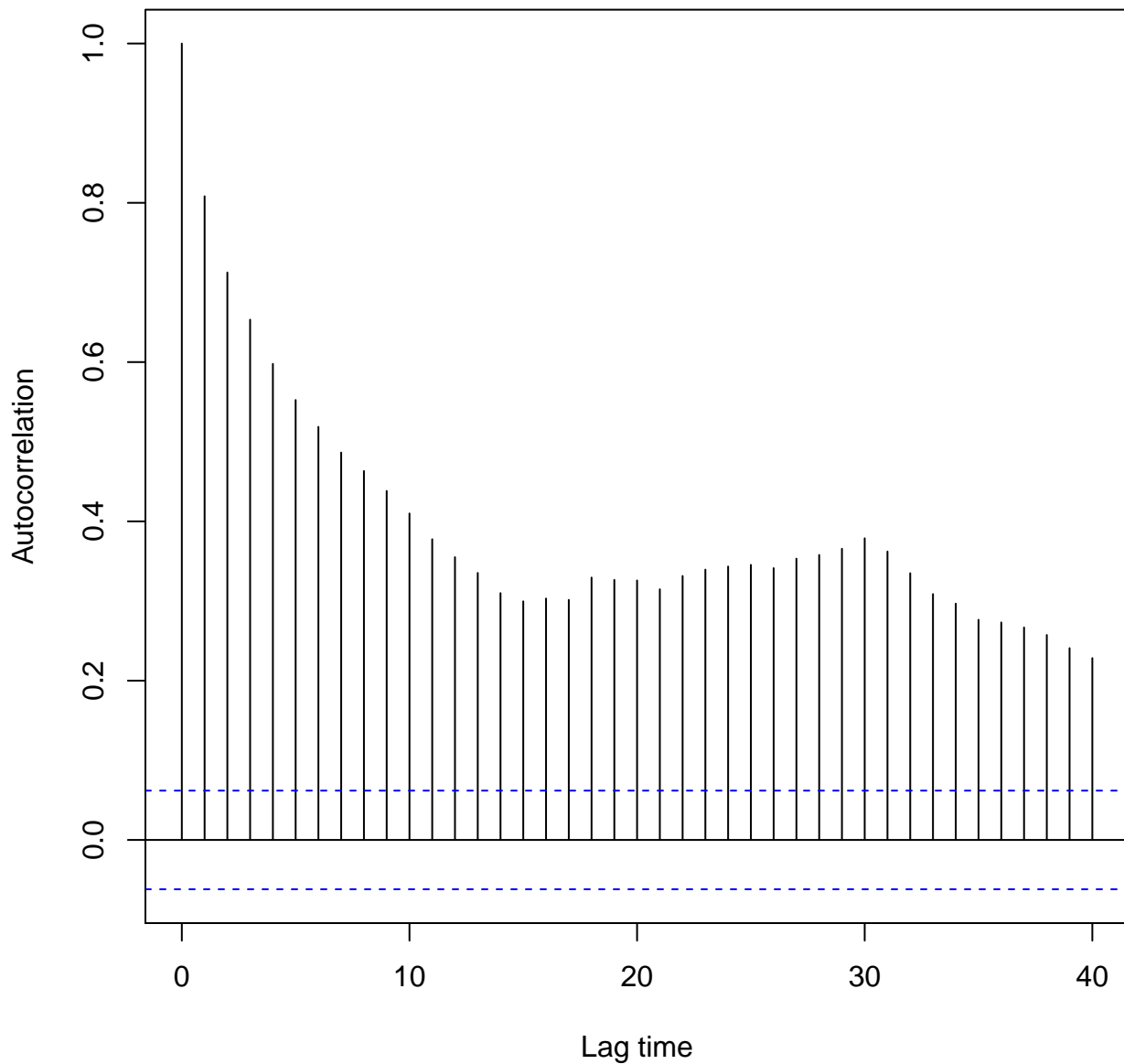
# Mutation R CGC Mixture: 1



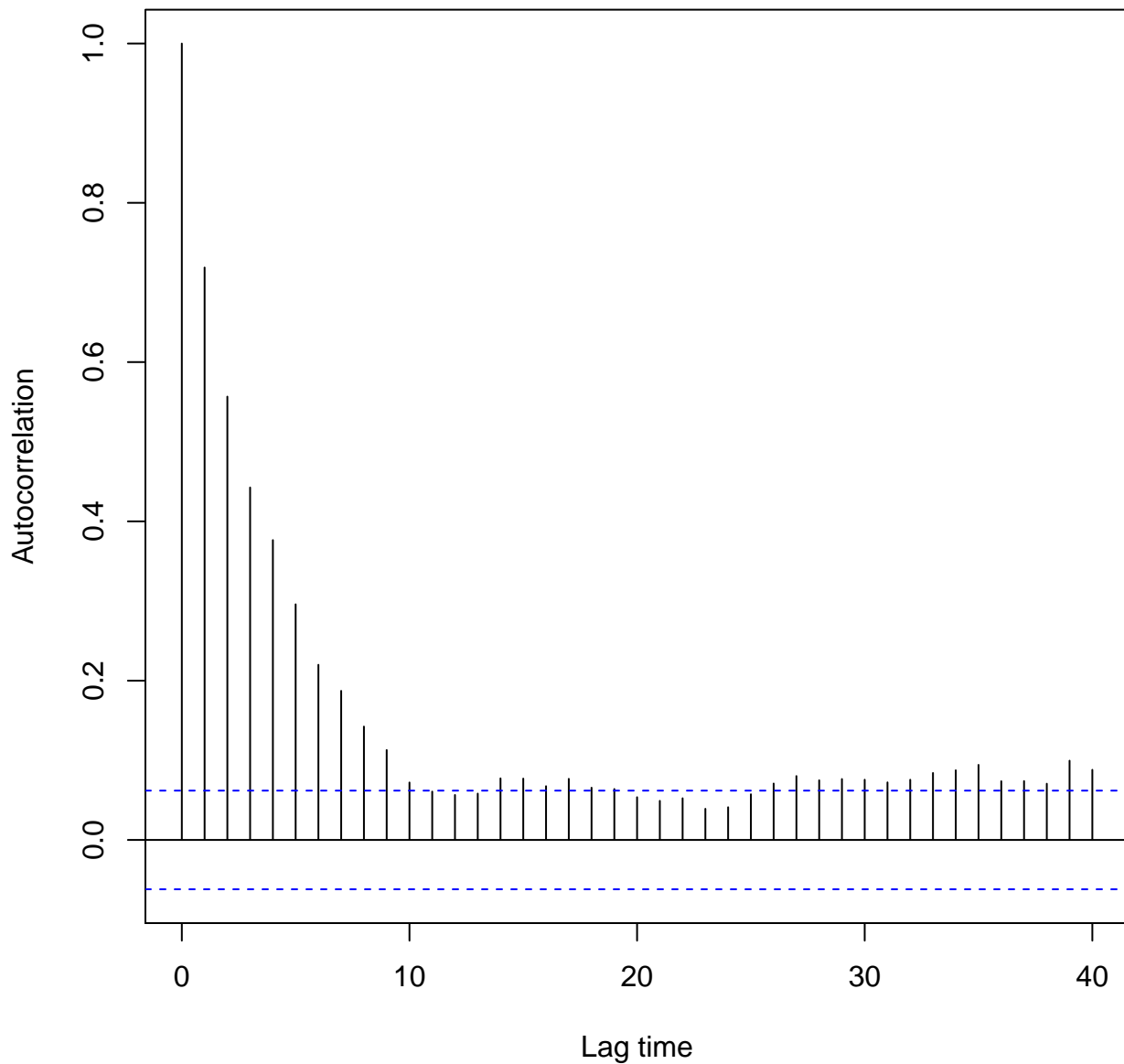
# Mutation R CGG Mixture: 1



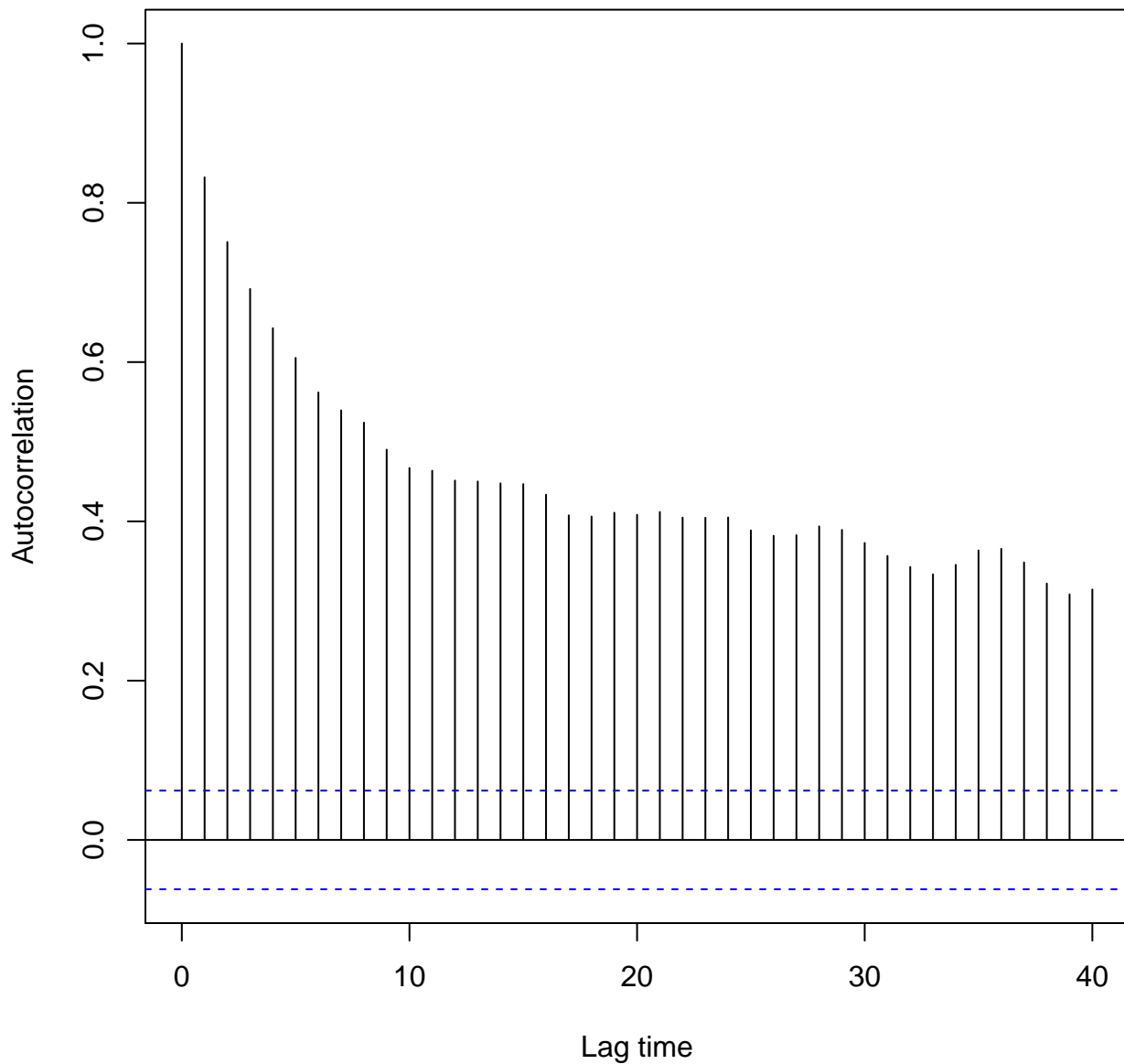
# Mutation S TCA Mixture: 1



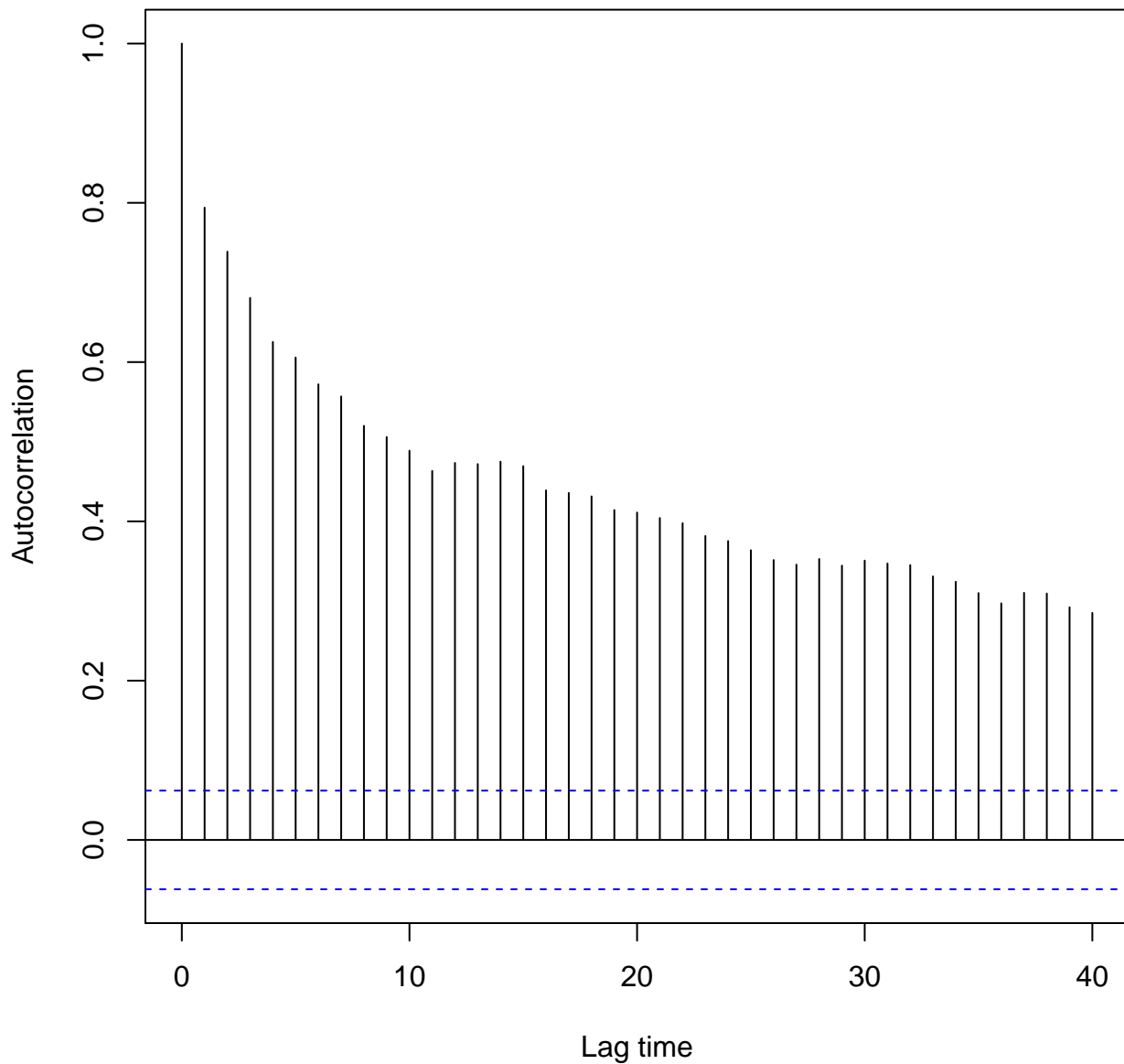
# Mutation S TCC Mixture: 1



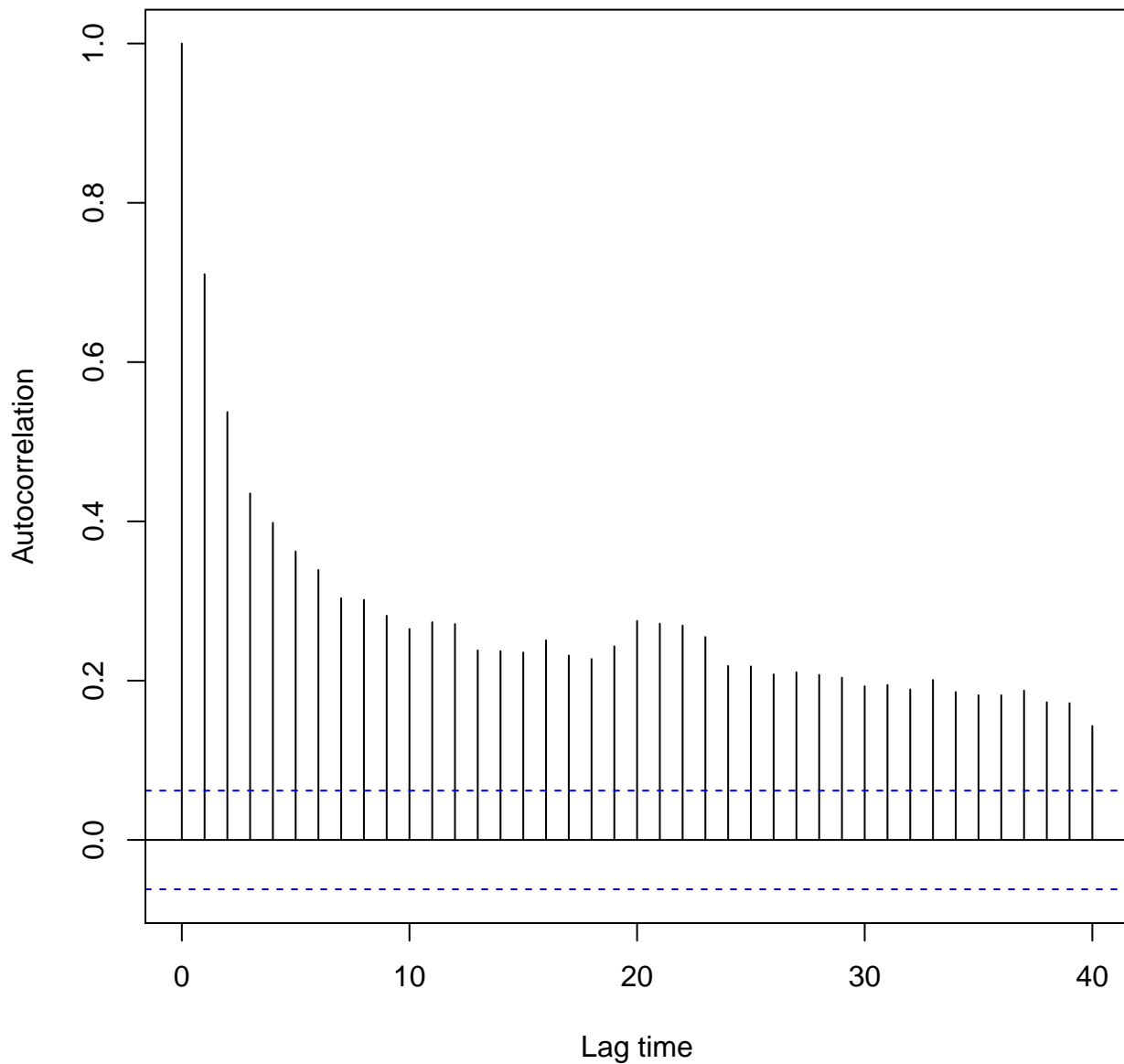
# Mutation S TCG Mixture: 1



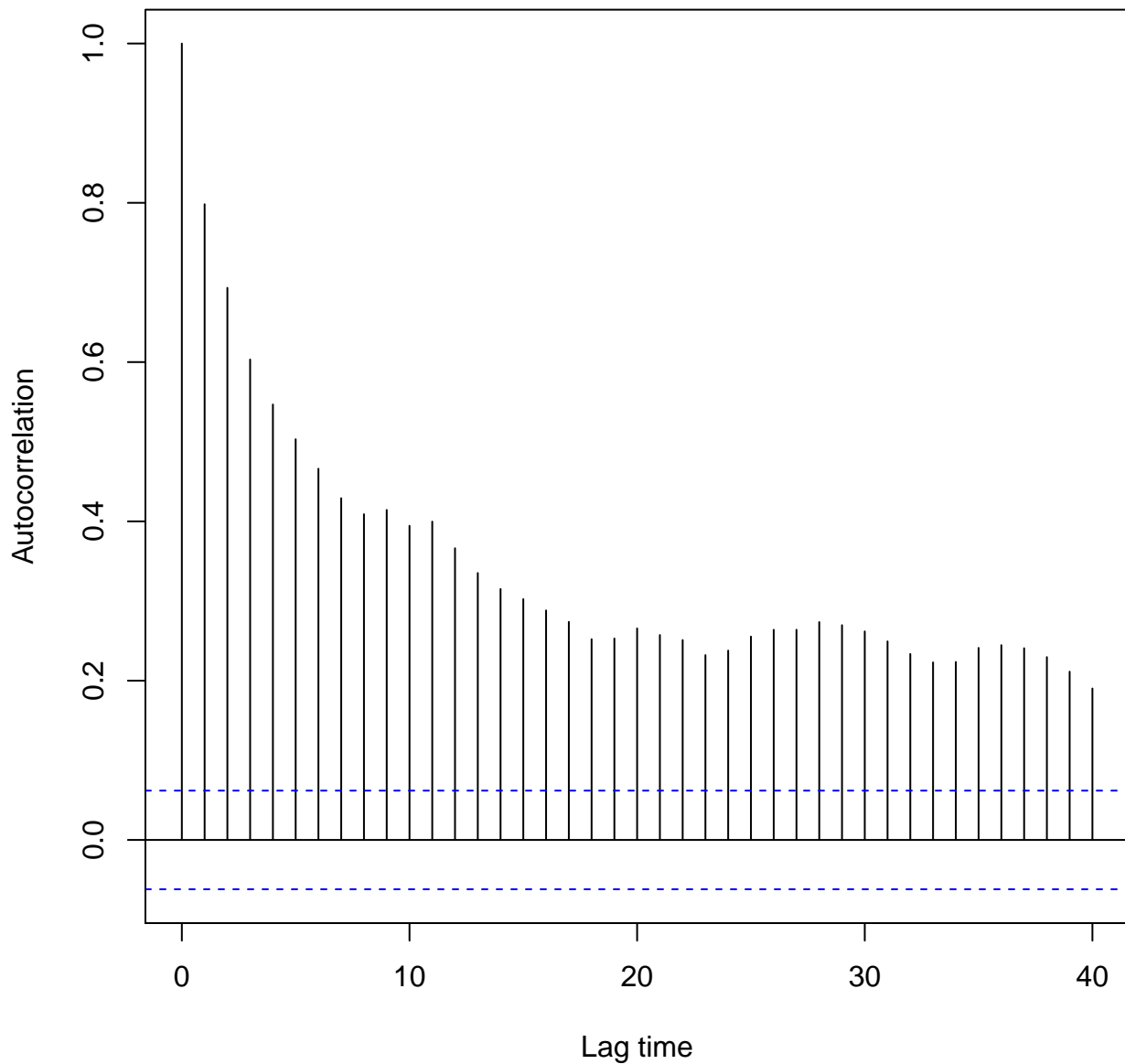
# Mutation T ACA Mixture: 1



# Mutation T ACC Mixture: 1

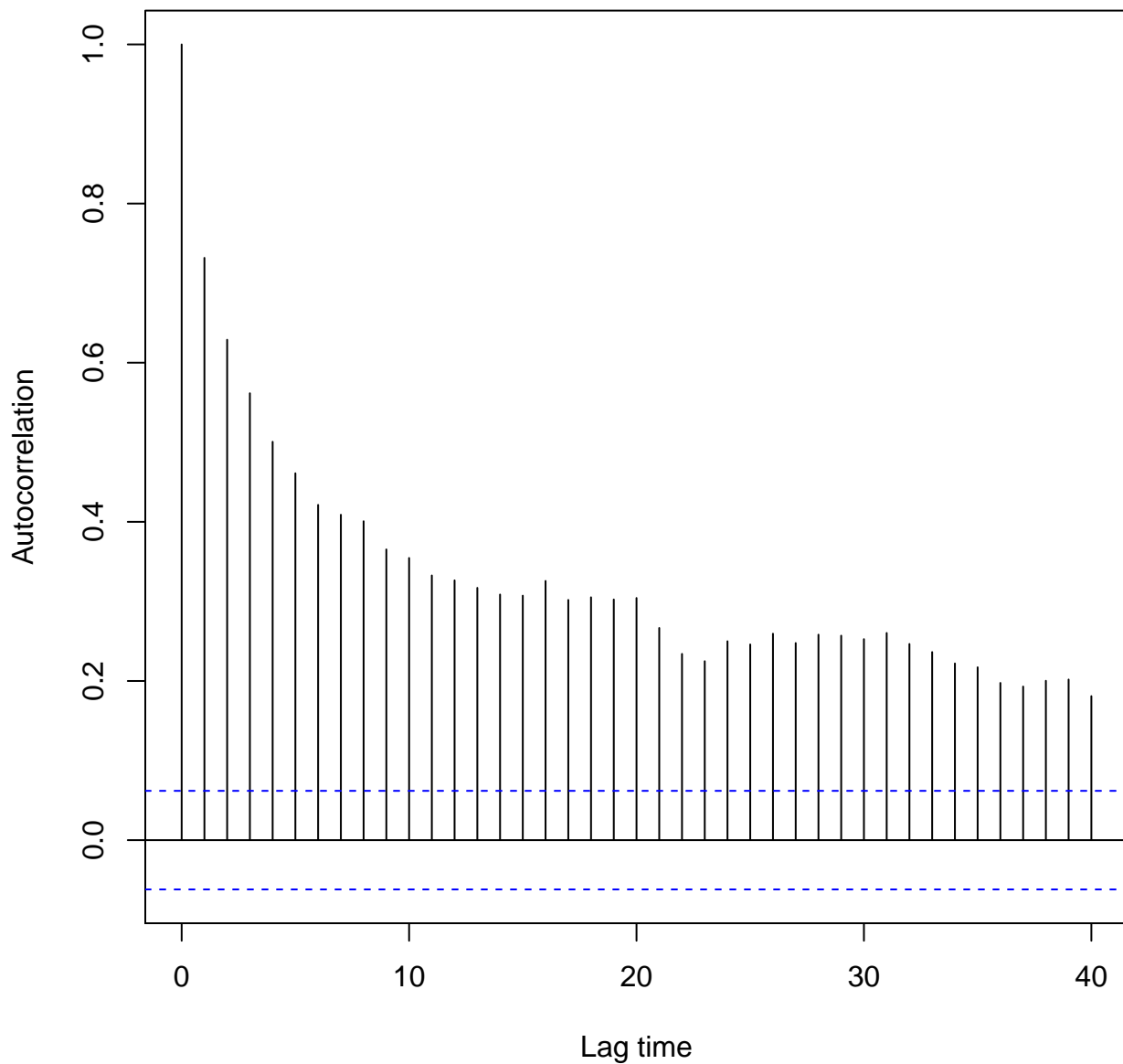


# Mutation T ACG Mixture: 1

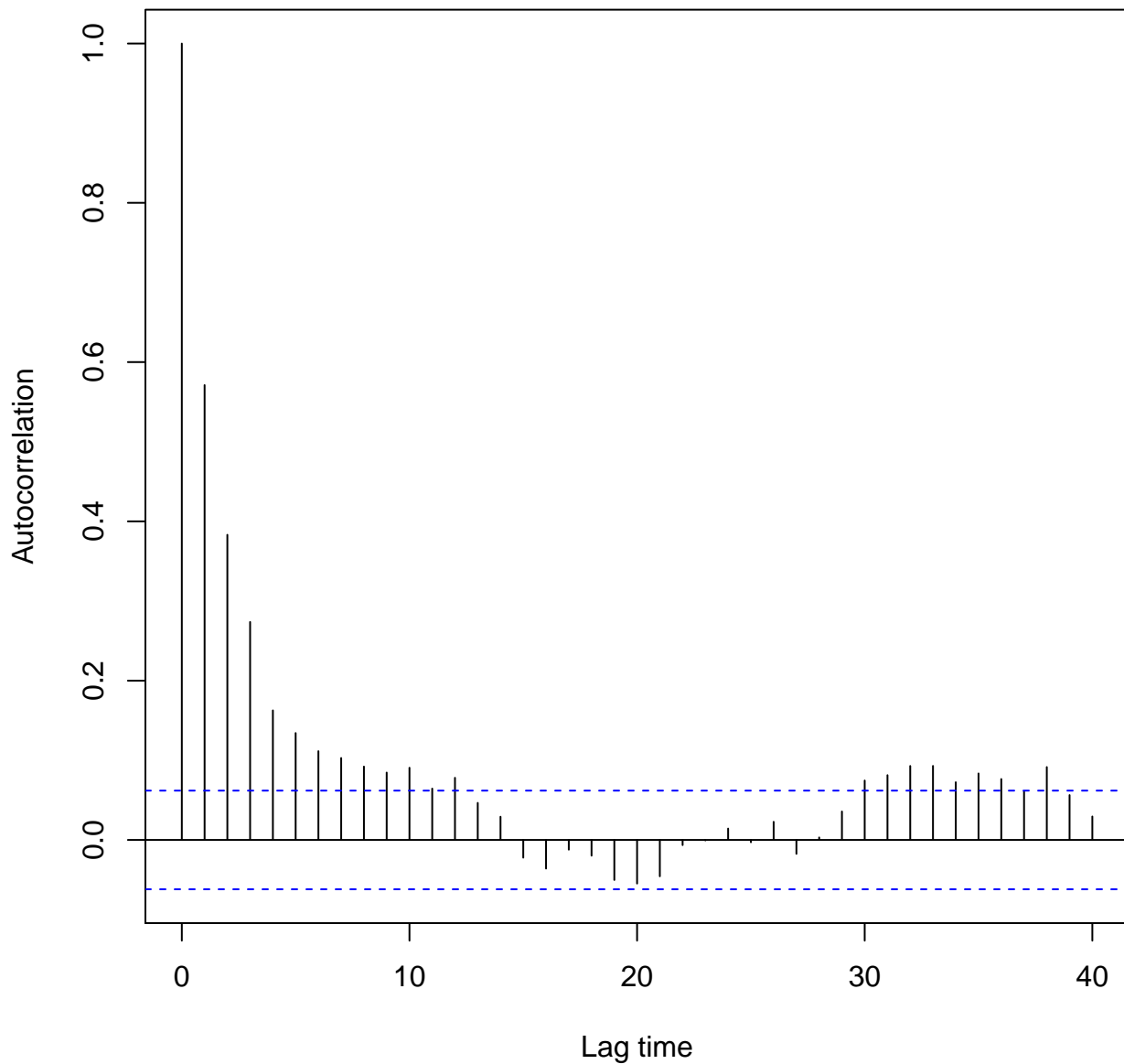




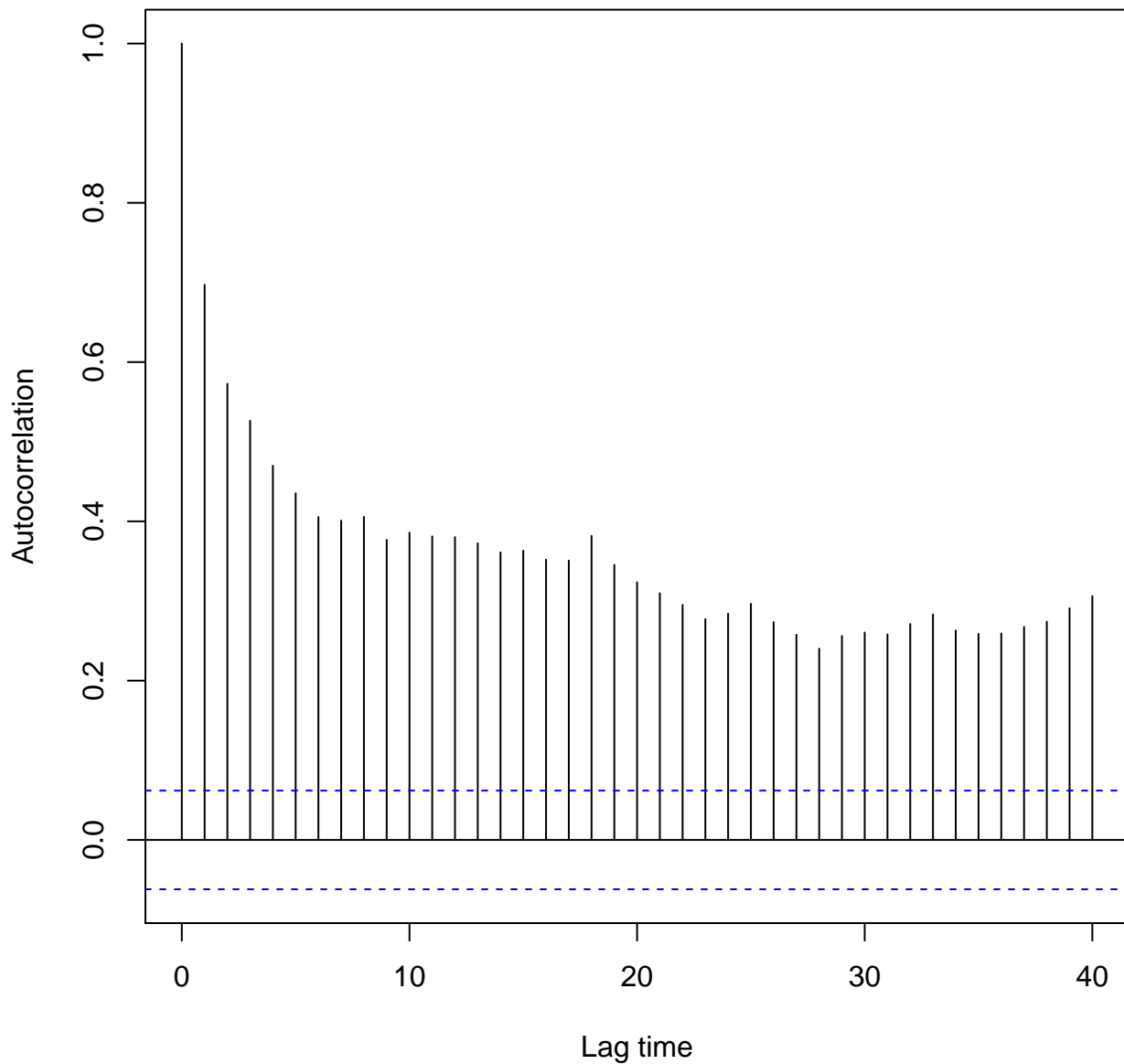
# Mutation V GTA Mixture: 1



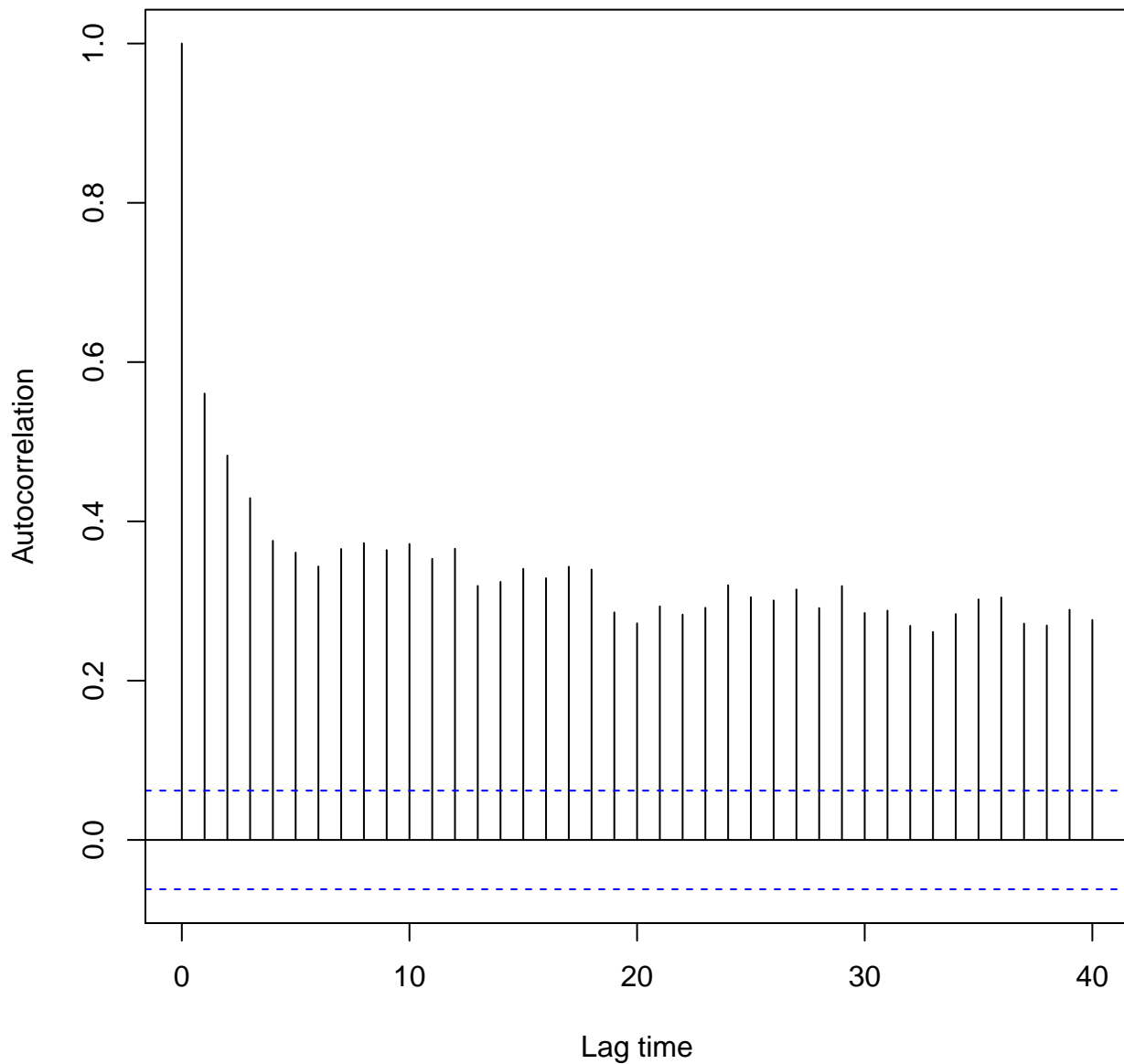
# Mutation V GTC Mixture: 1



# Mutation V GTG Mixture: 1



# Mutation Y TAC Mixture: 1



# Mutation Z AGC Mixture: 1

