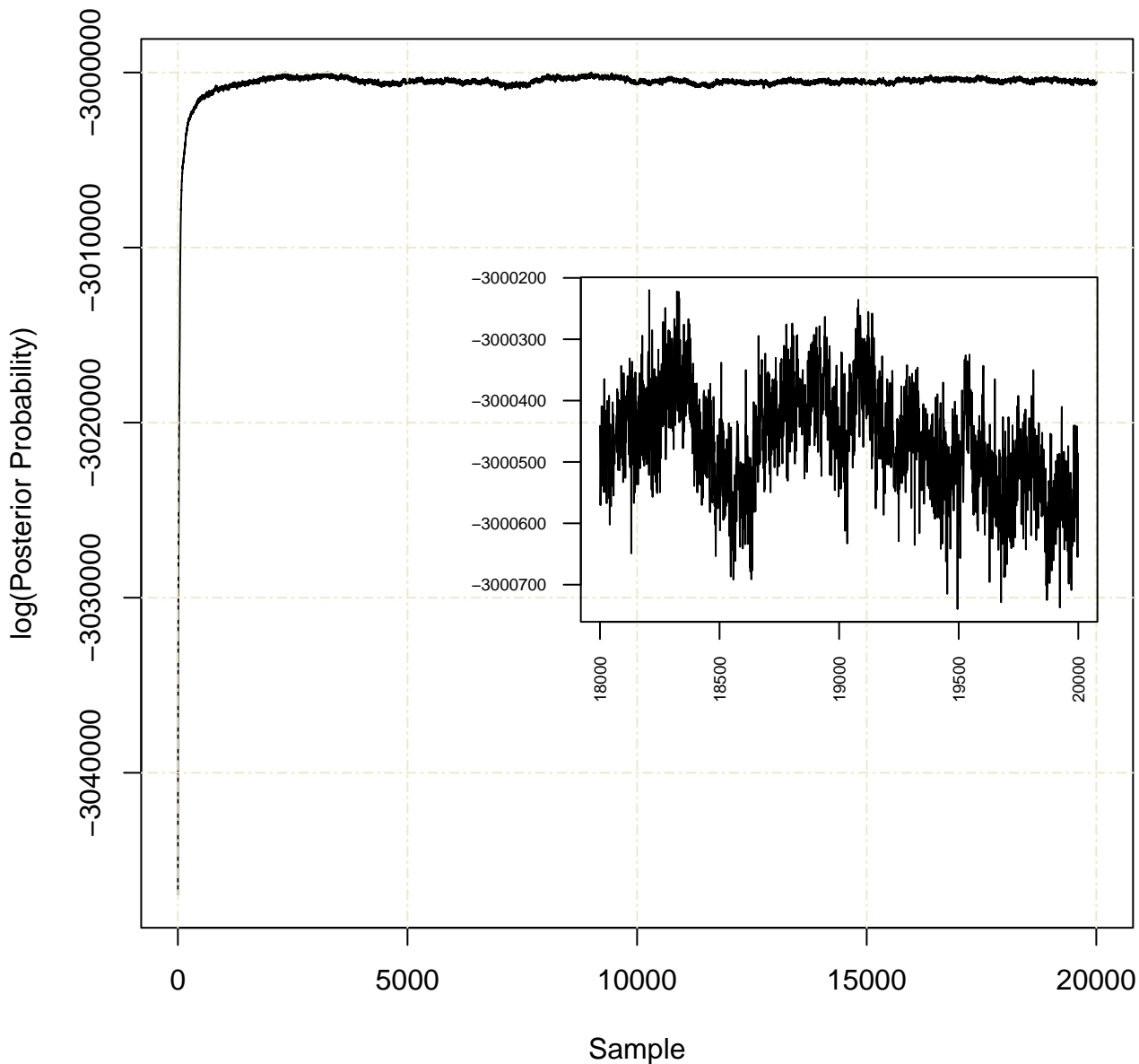
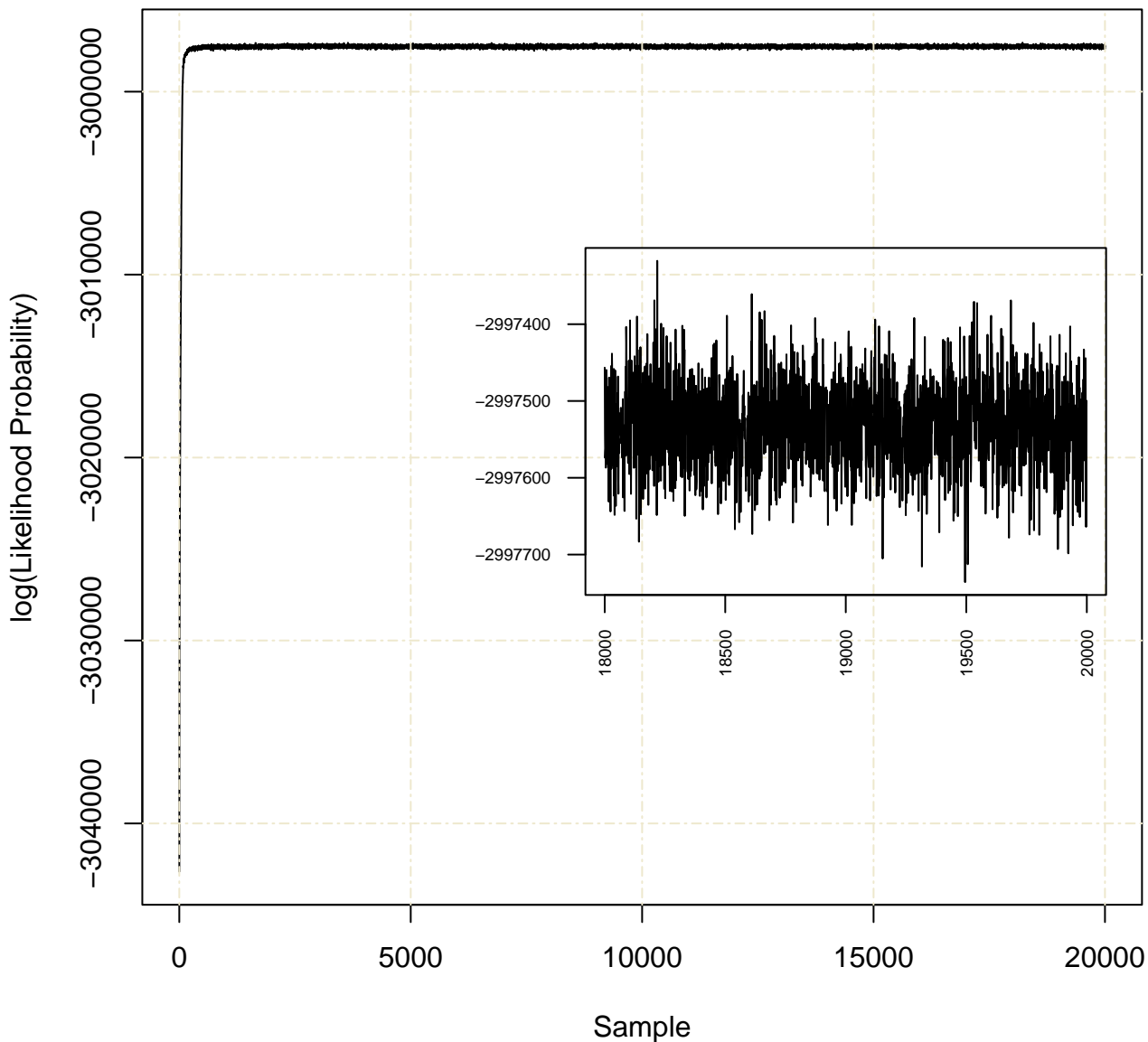


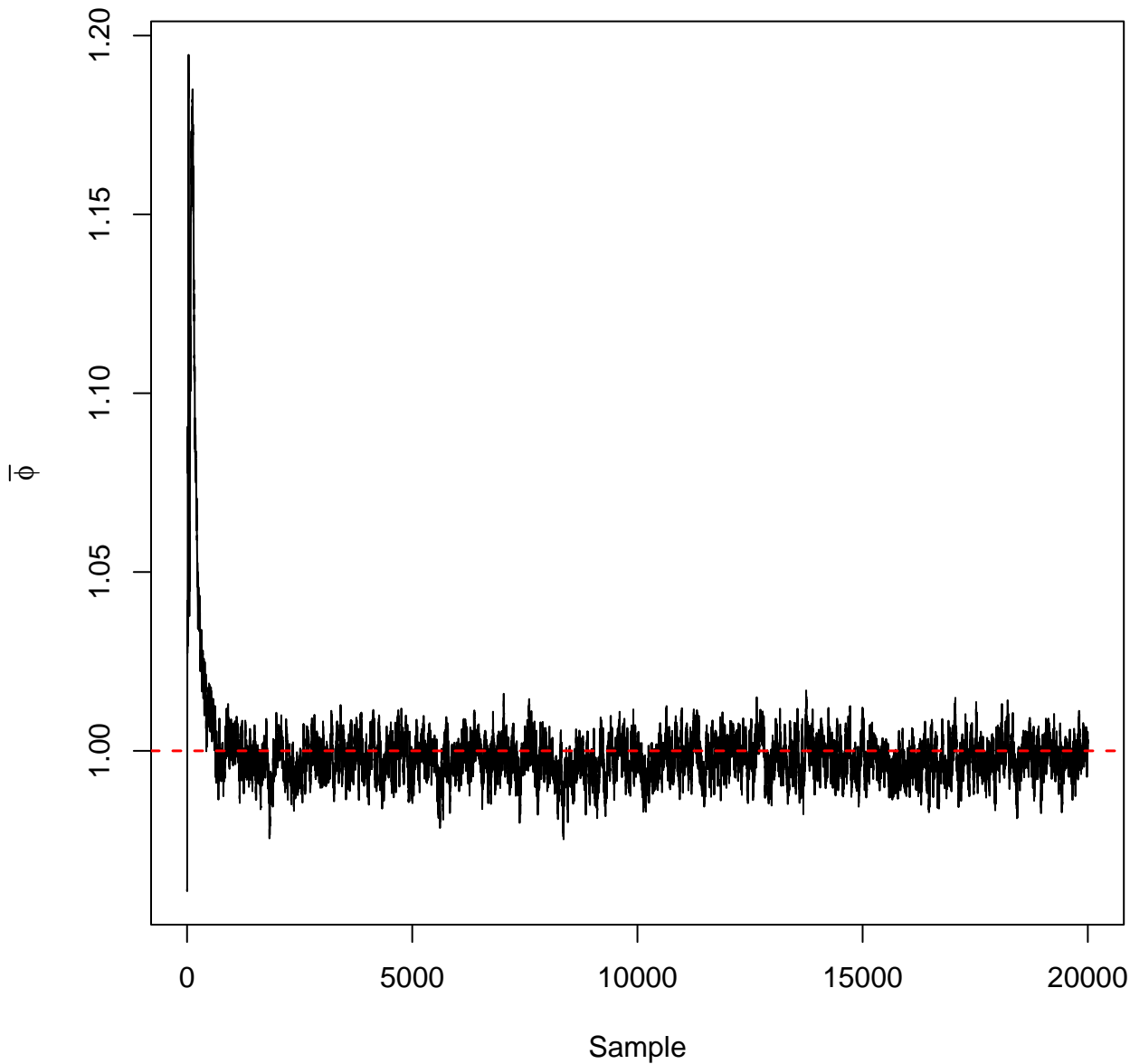
**log(Posterior Probability): -3000467.75762176**



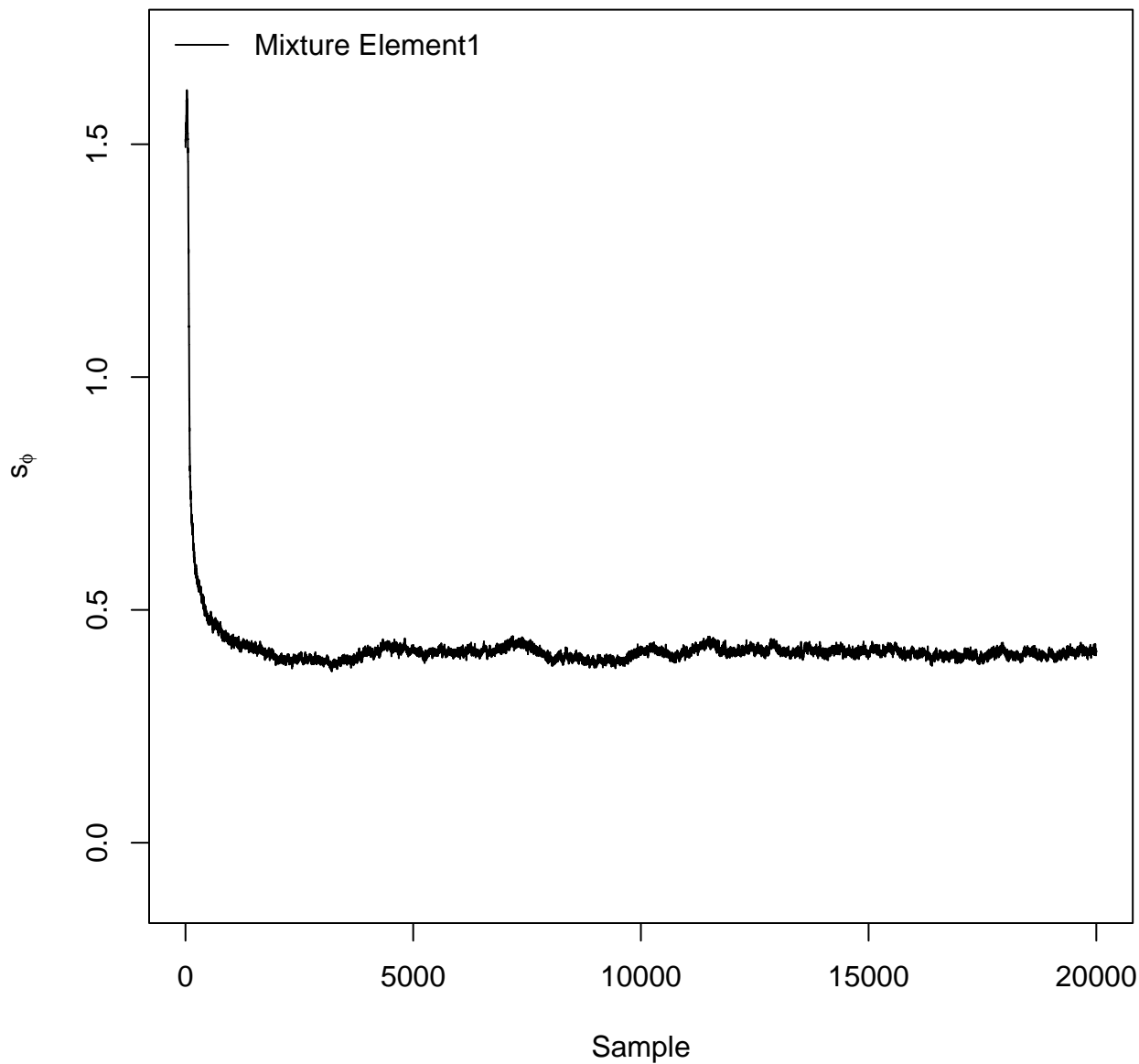
**log(Likelihood Probability): -2997531.60045128**



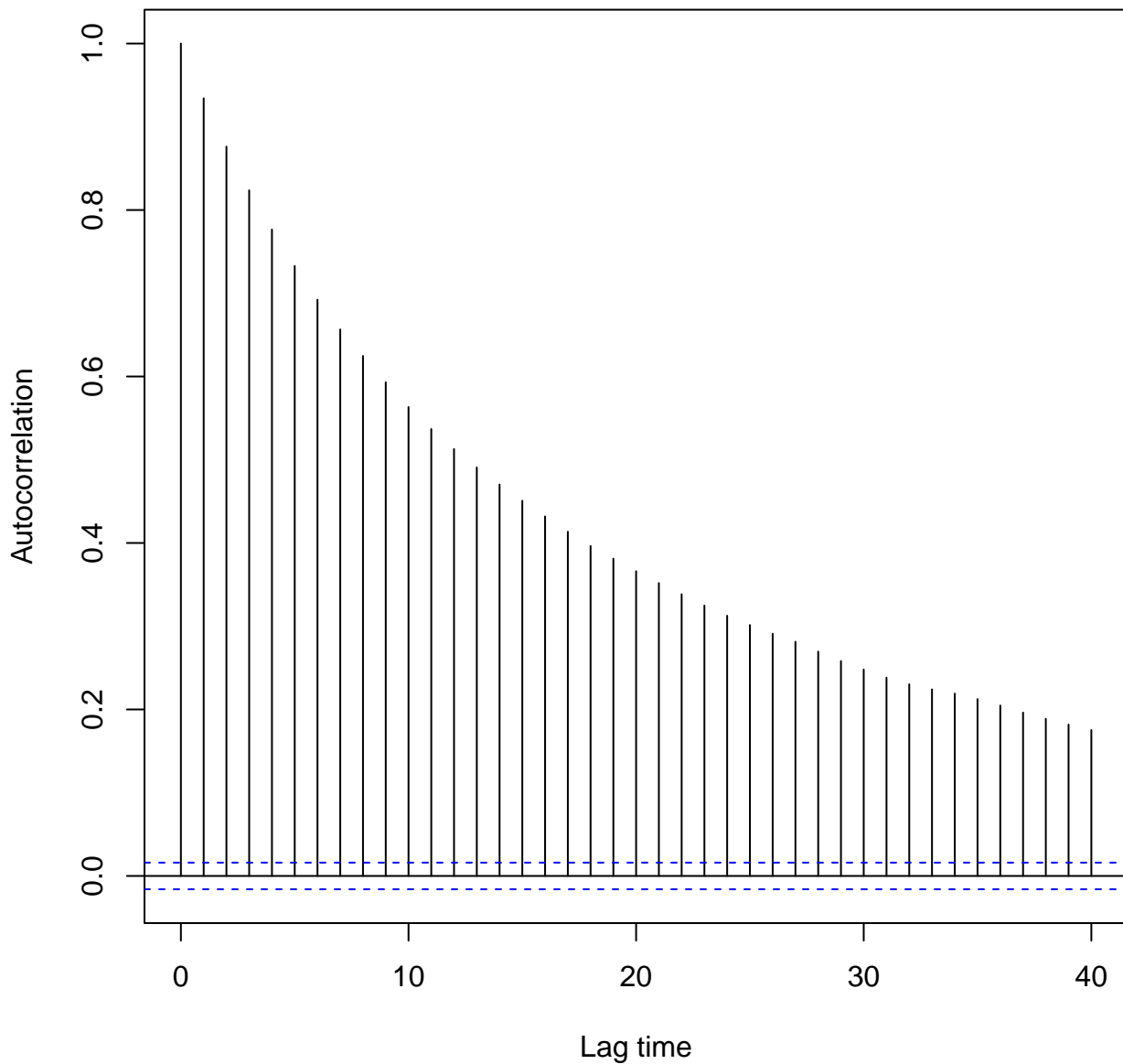
Trace of the Expected value of  $\phi$



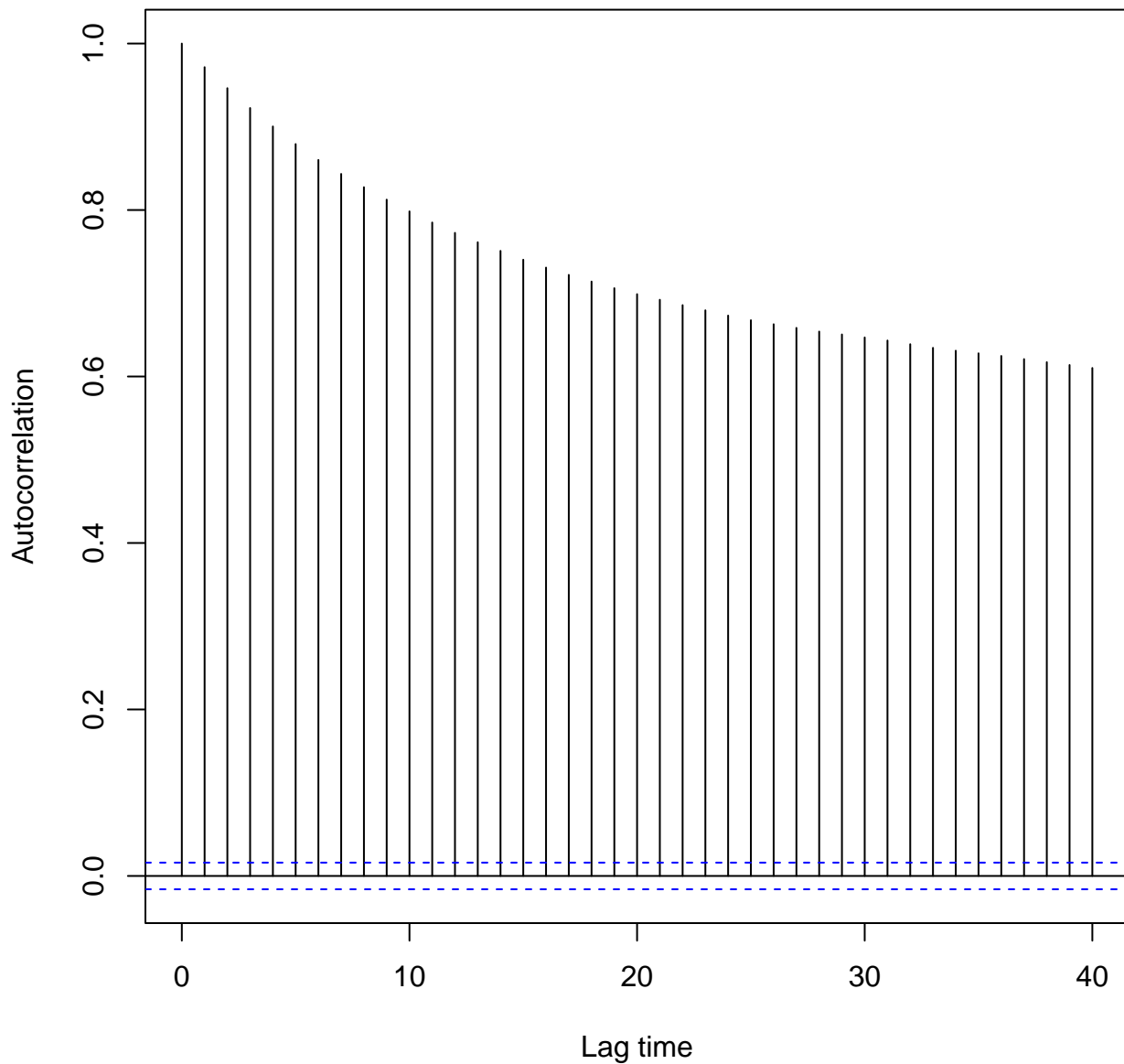
$s_\phi$  Trace



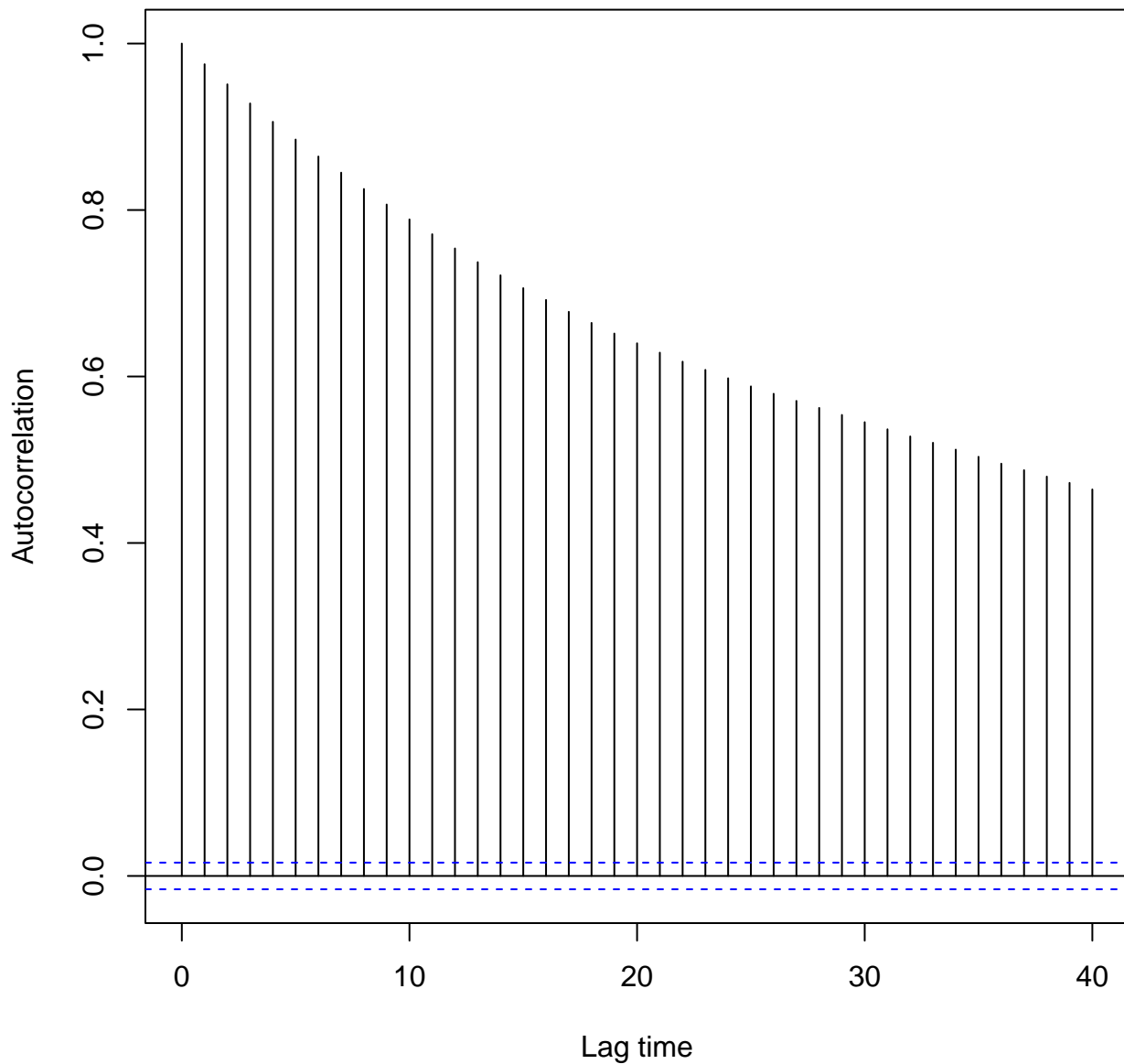
## Selection A GCA Mixture: 1



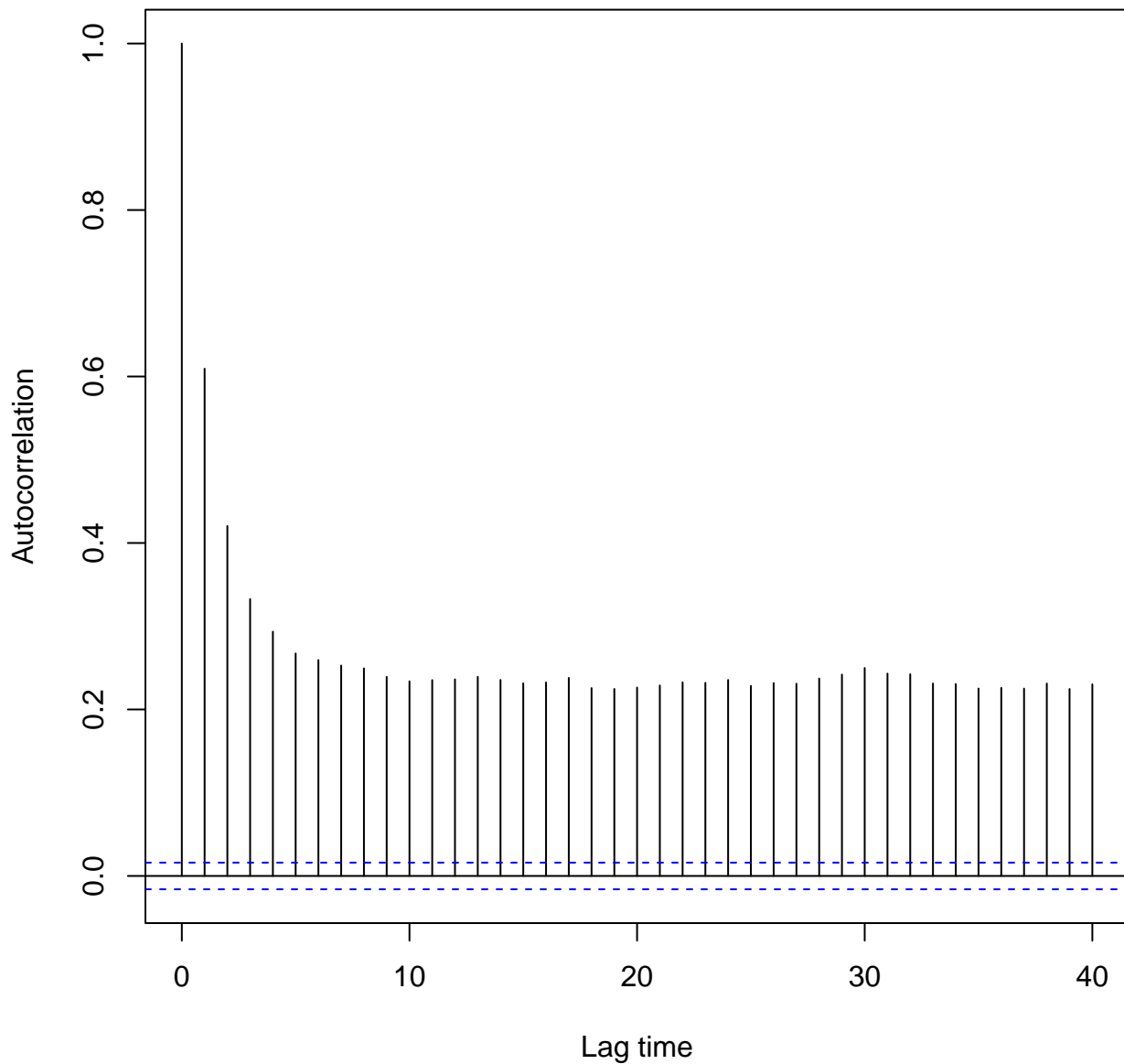
# Selection A GCC Mixture: 1



# Selection A GCG Mixture: 1

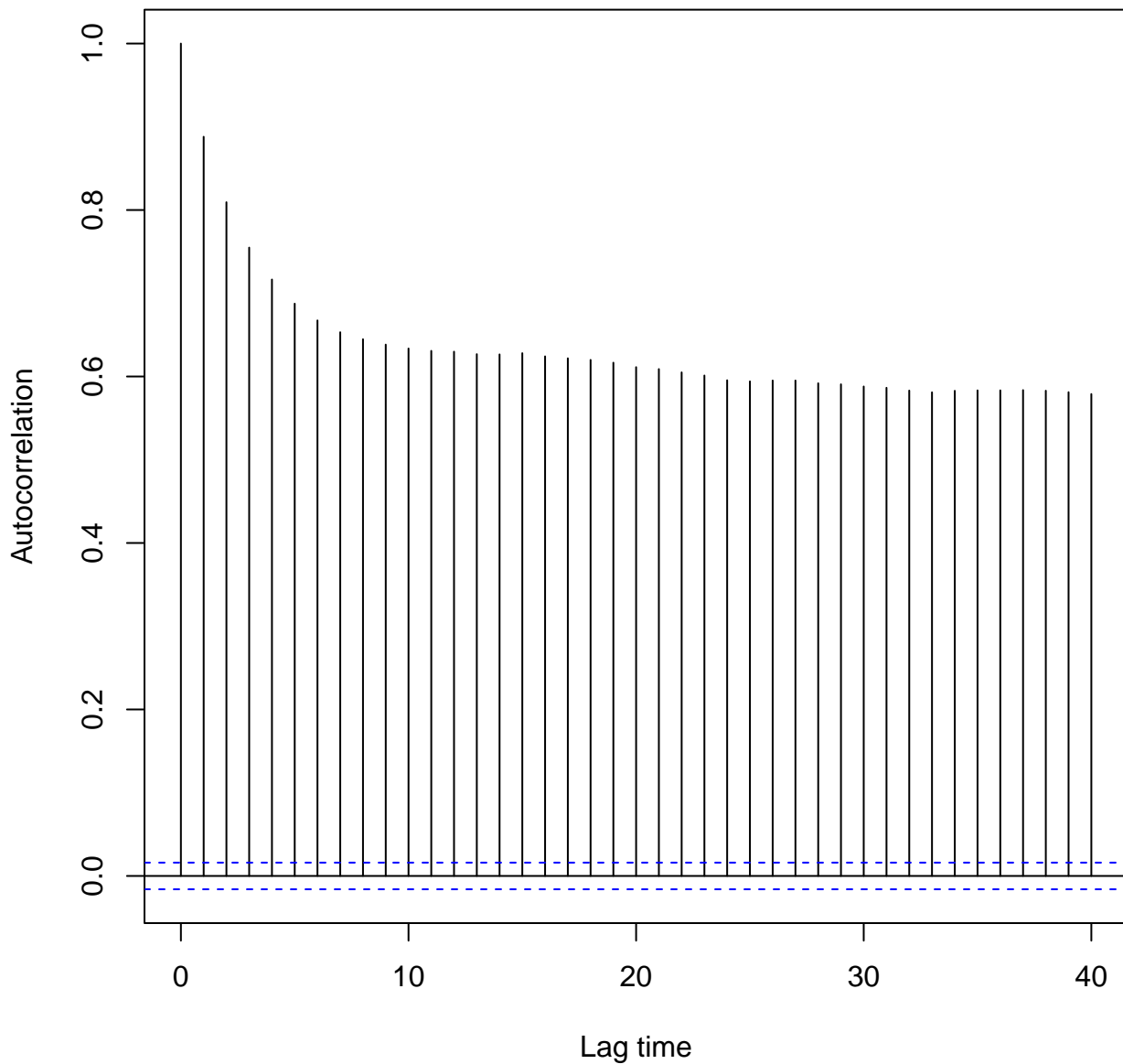


# Selection C TGC Mixture: 1

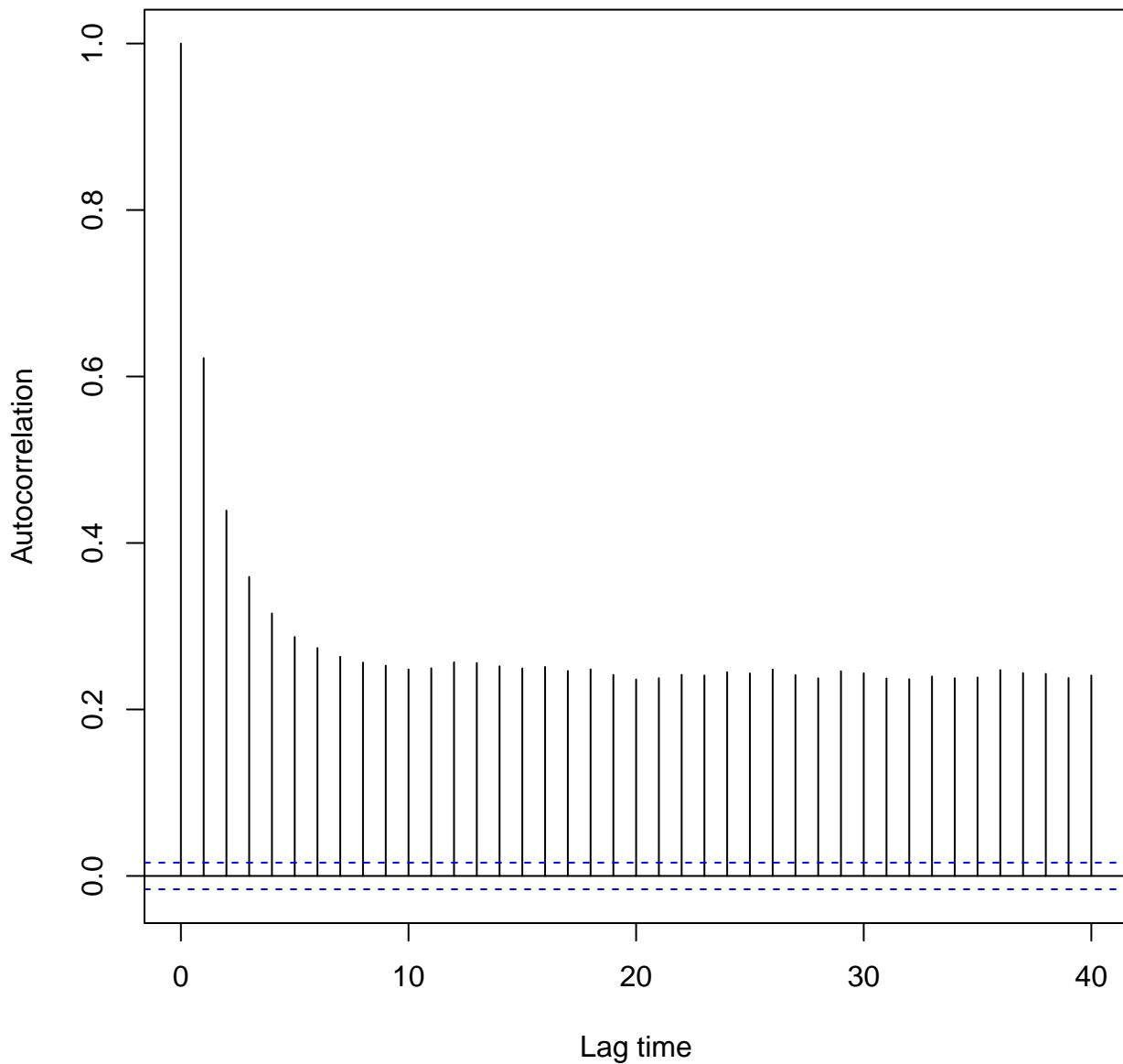




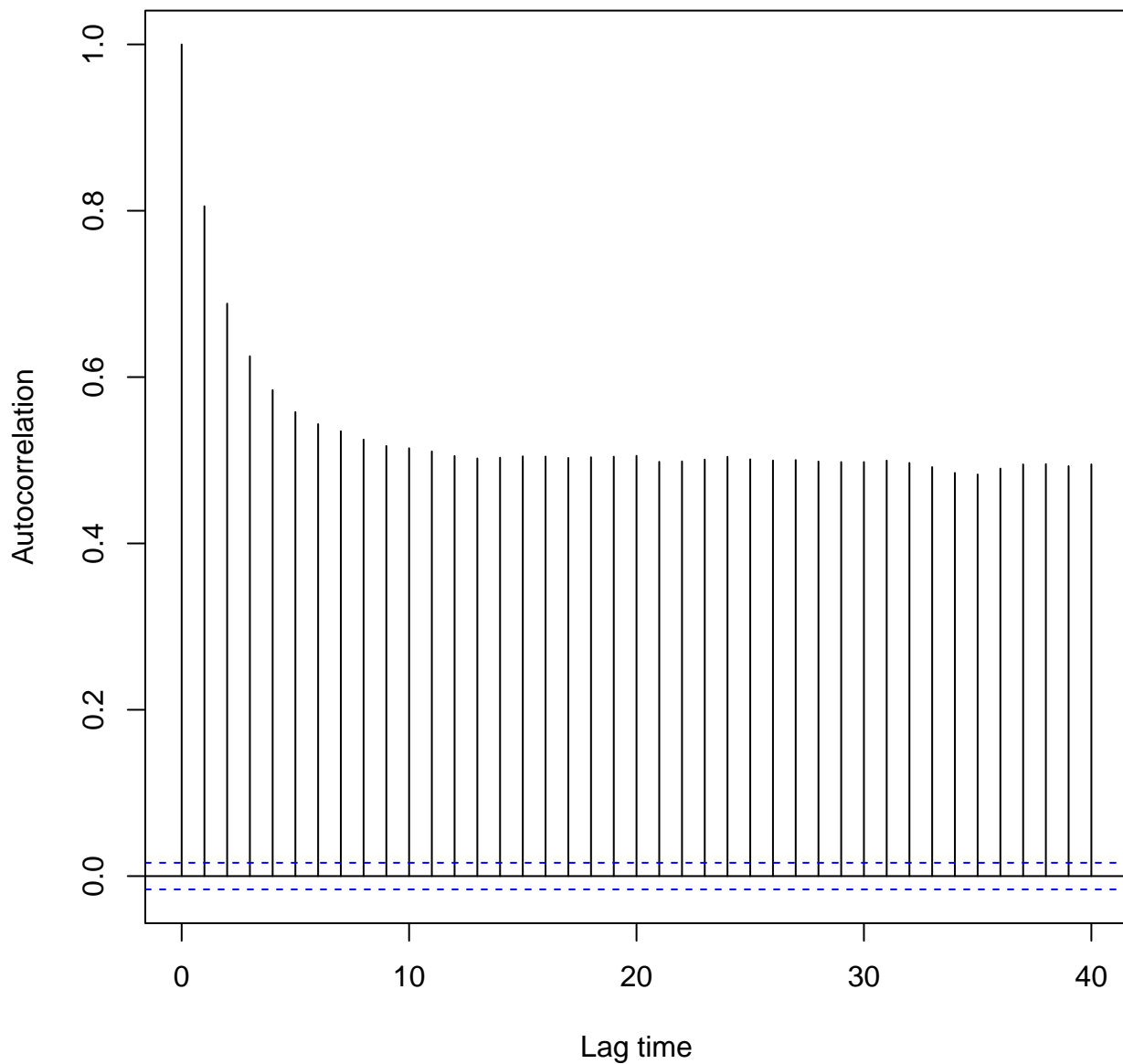
# Selection D GAC Mixture: 1



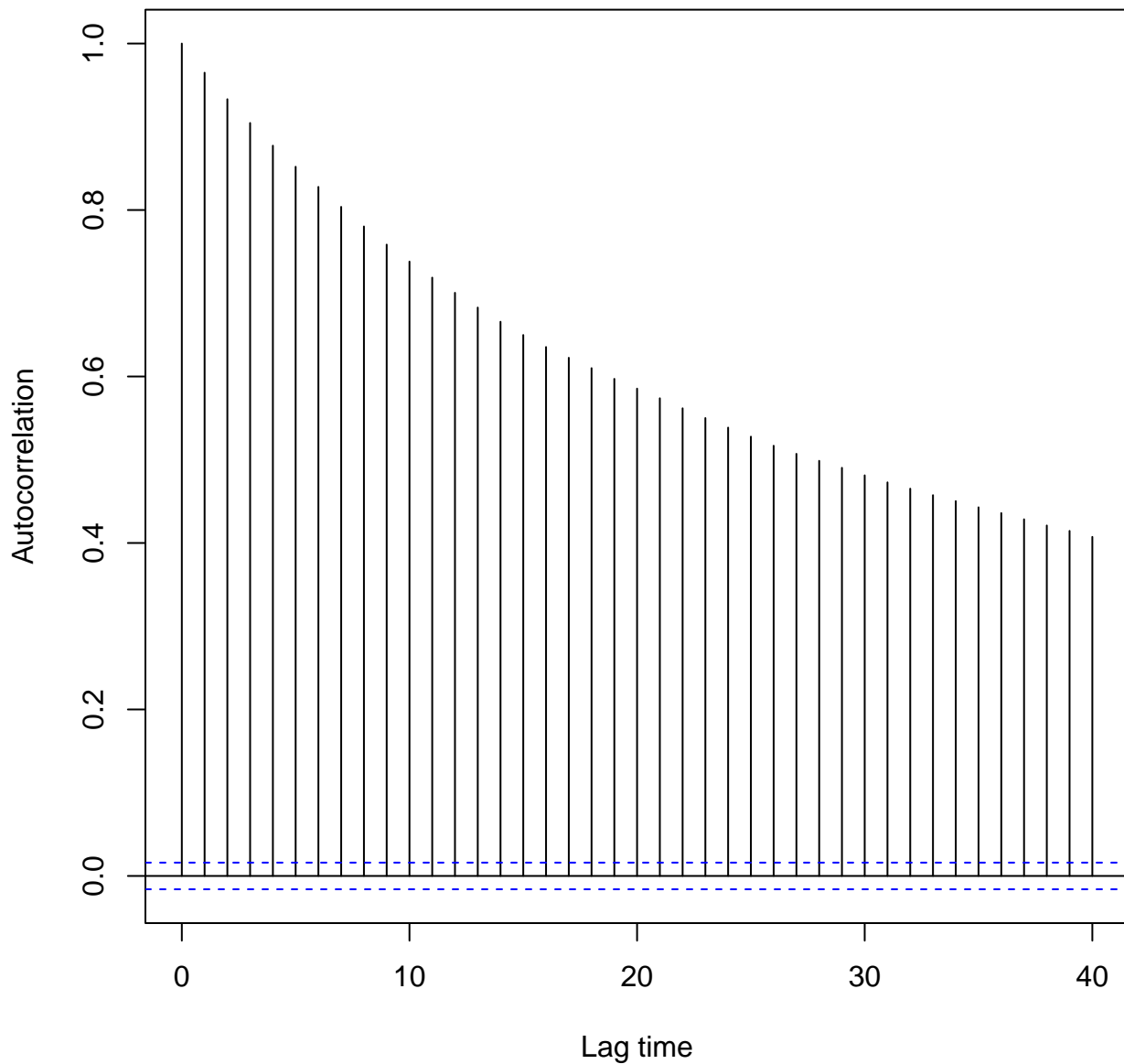
# Selection E GAA Mixture: 1



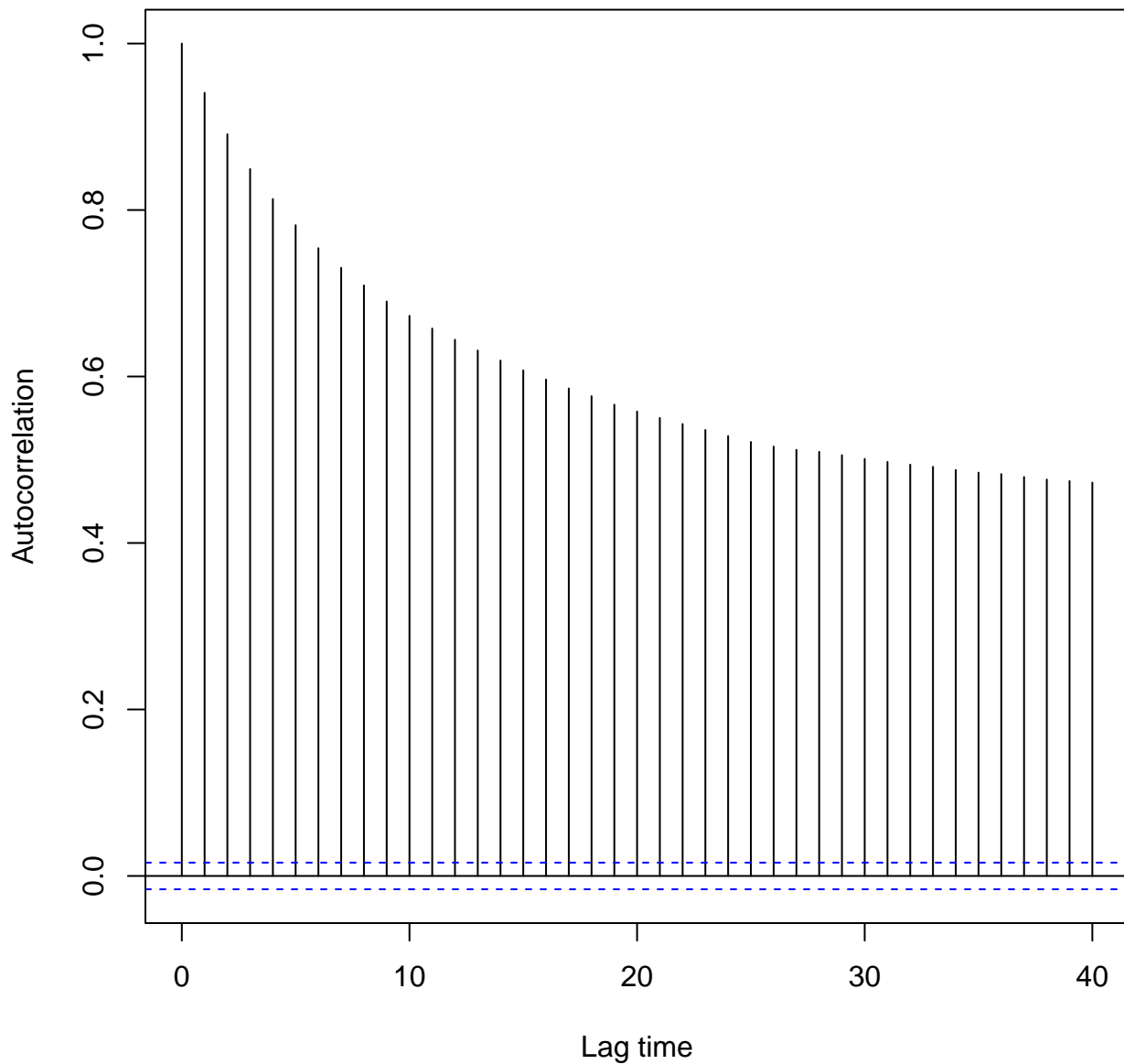
# Selection F TTC Mixture: 1



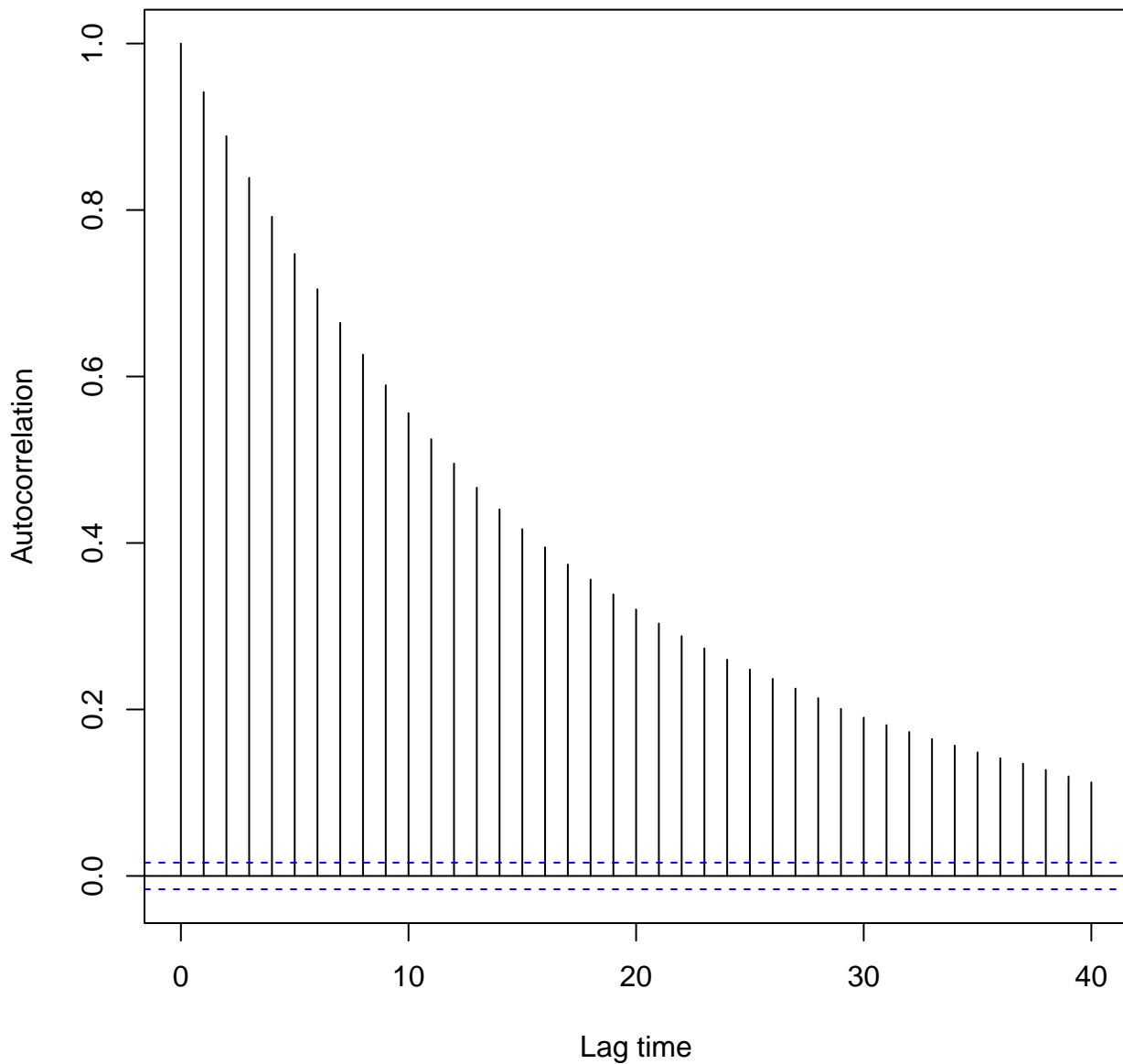
# Selection G GGA Mixture: 1



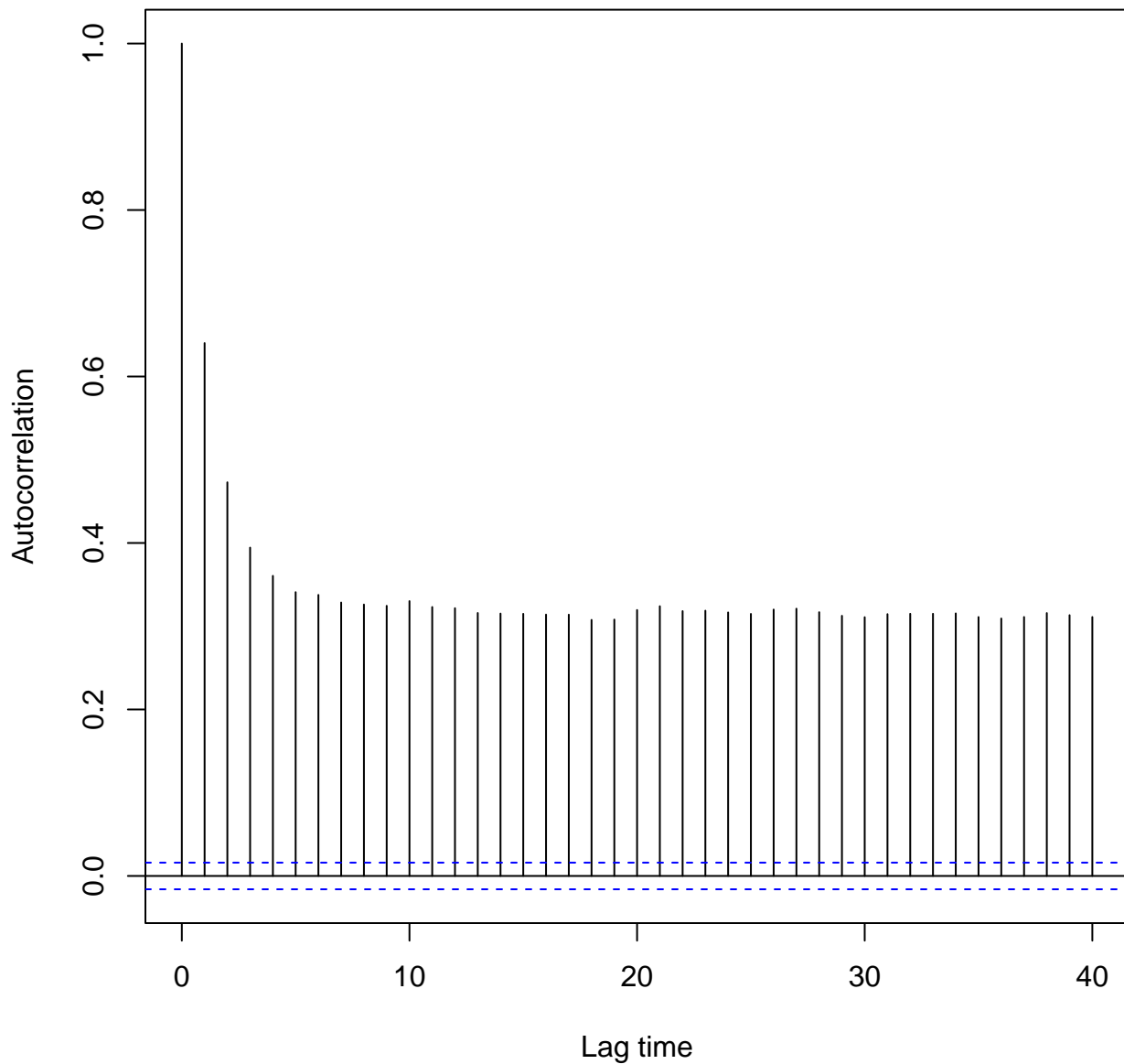
# Selection G GGC Mixture: 1



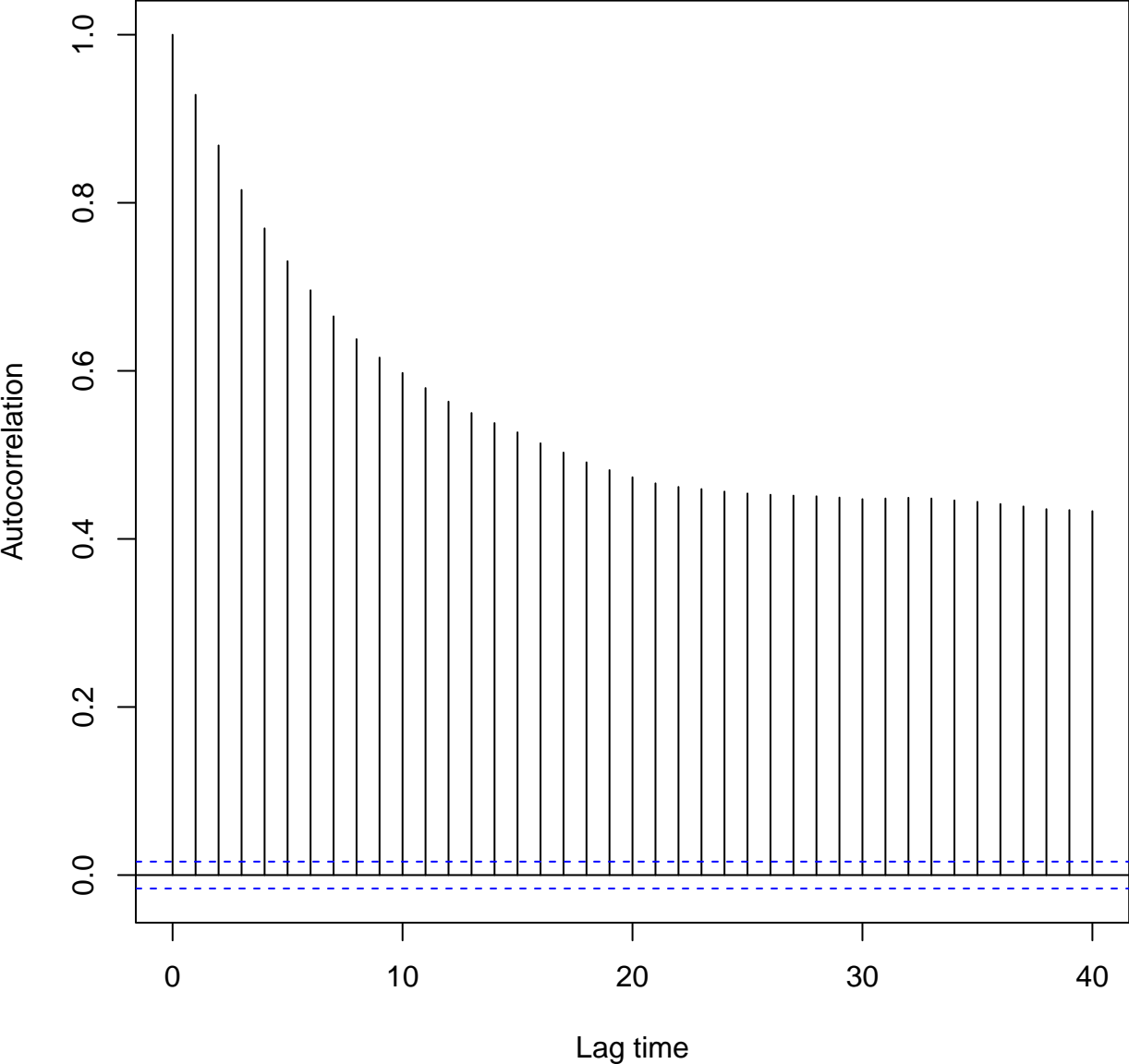
# Selection G GGG Mixture: 1



# Selection H CAC Mixture: 1

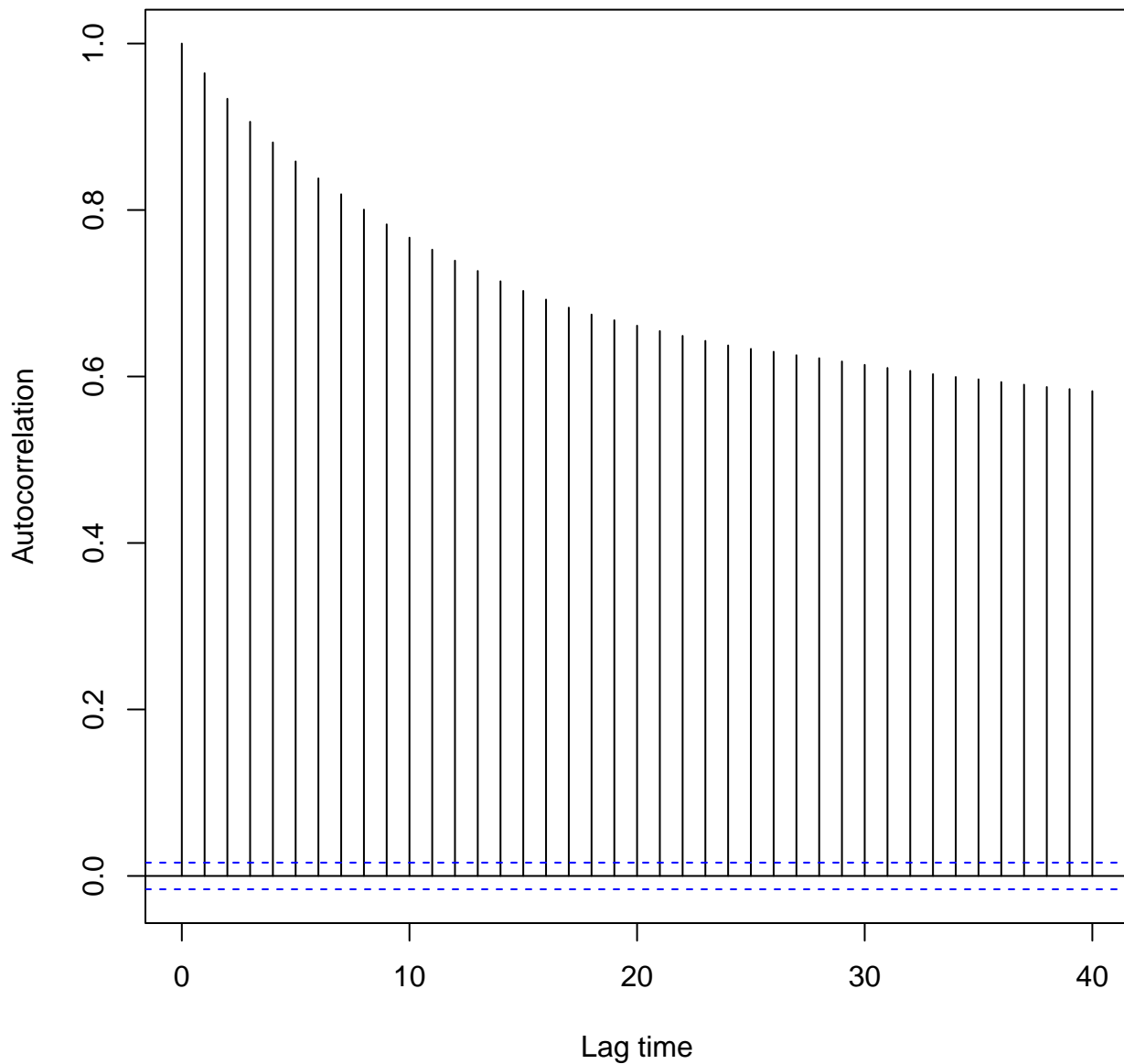


**Selection I ATA Mixture: 1**

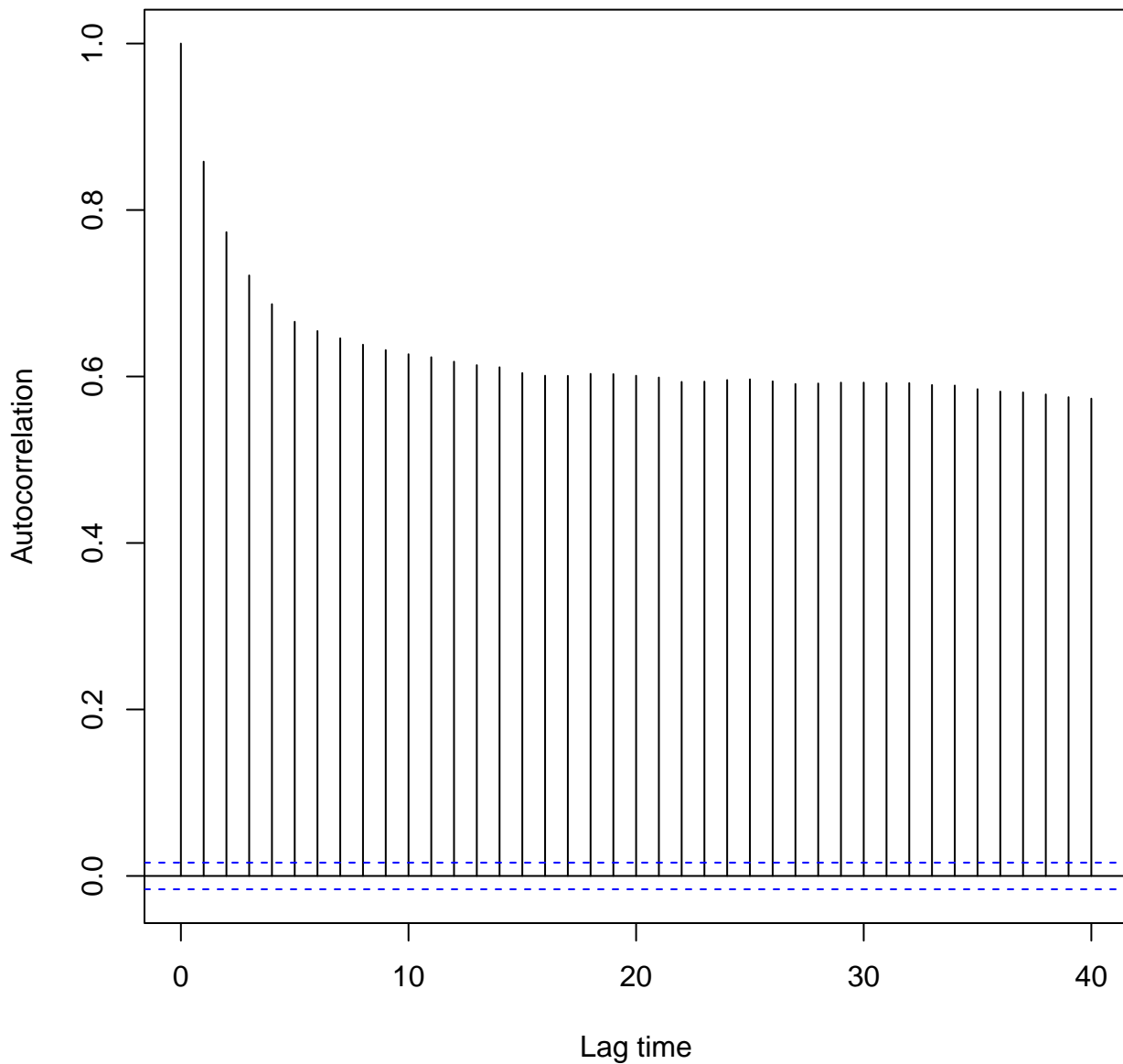




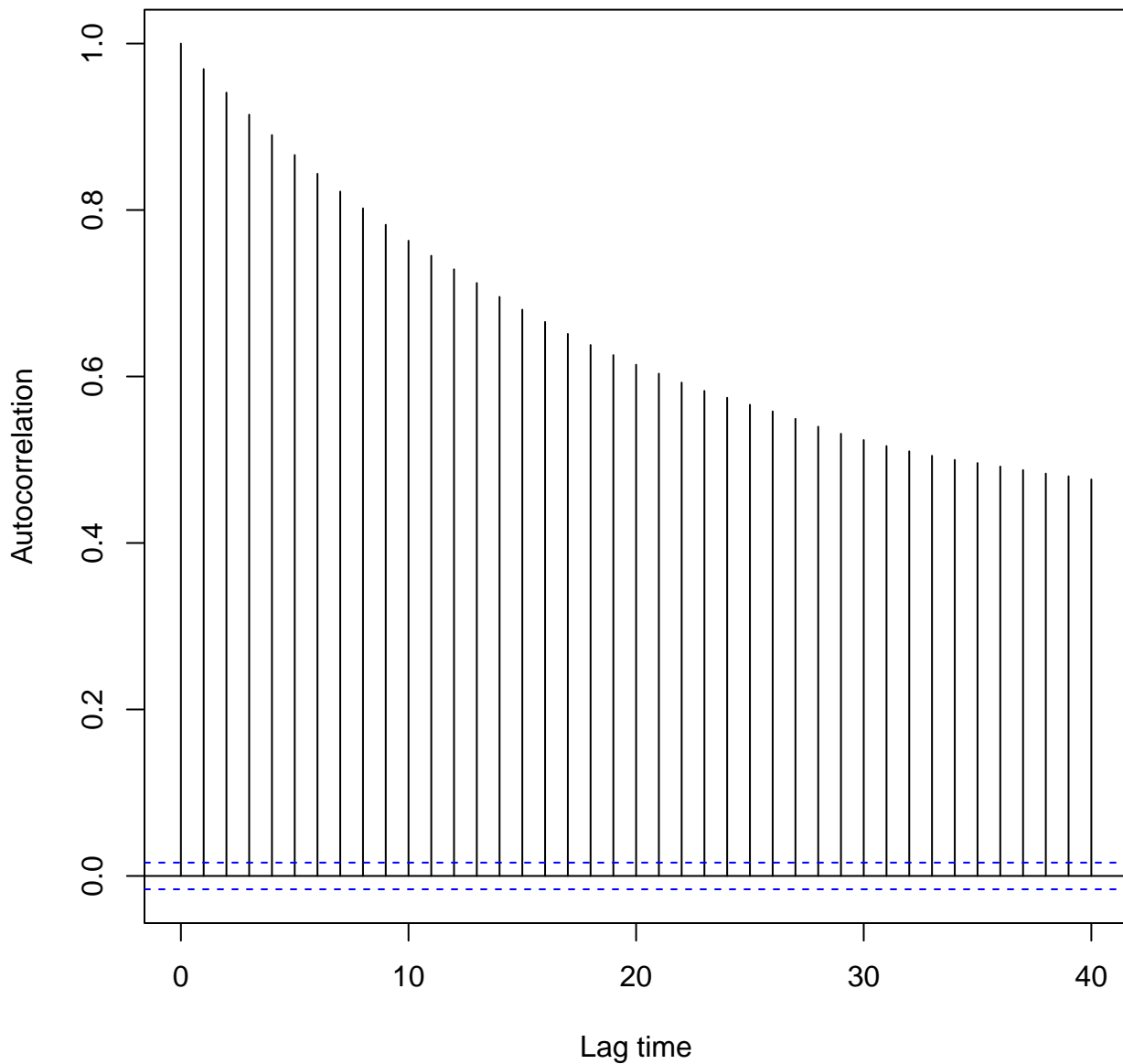
# Selection I ATC Mixture: 1



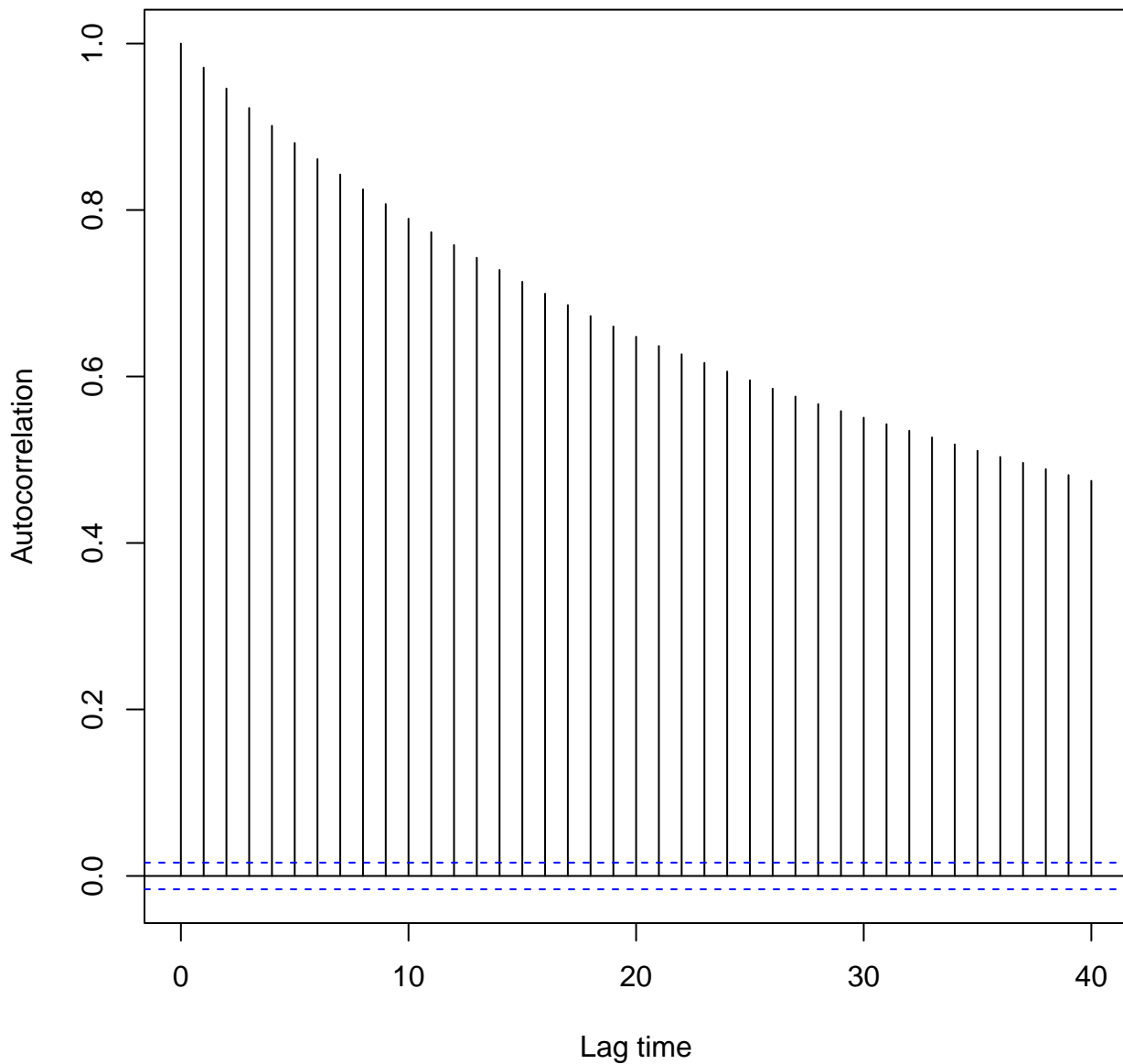
# Selection K AAA Mixture: 1



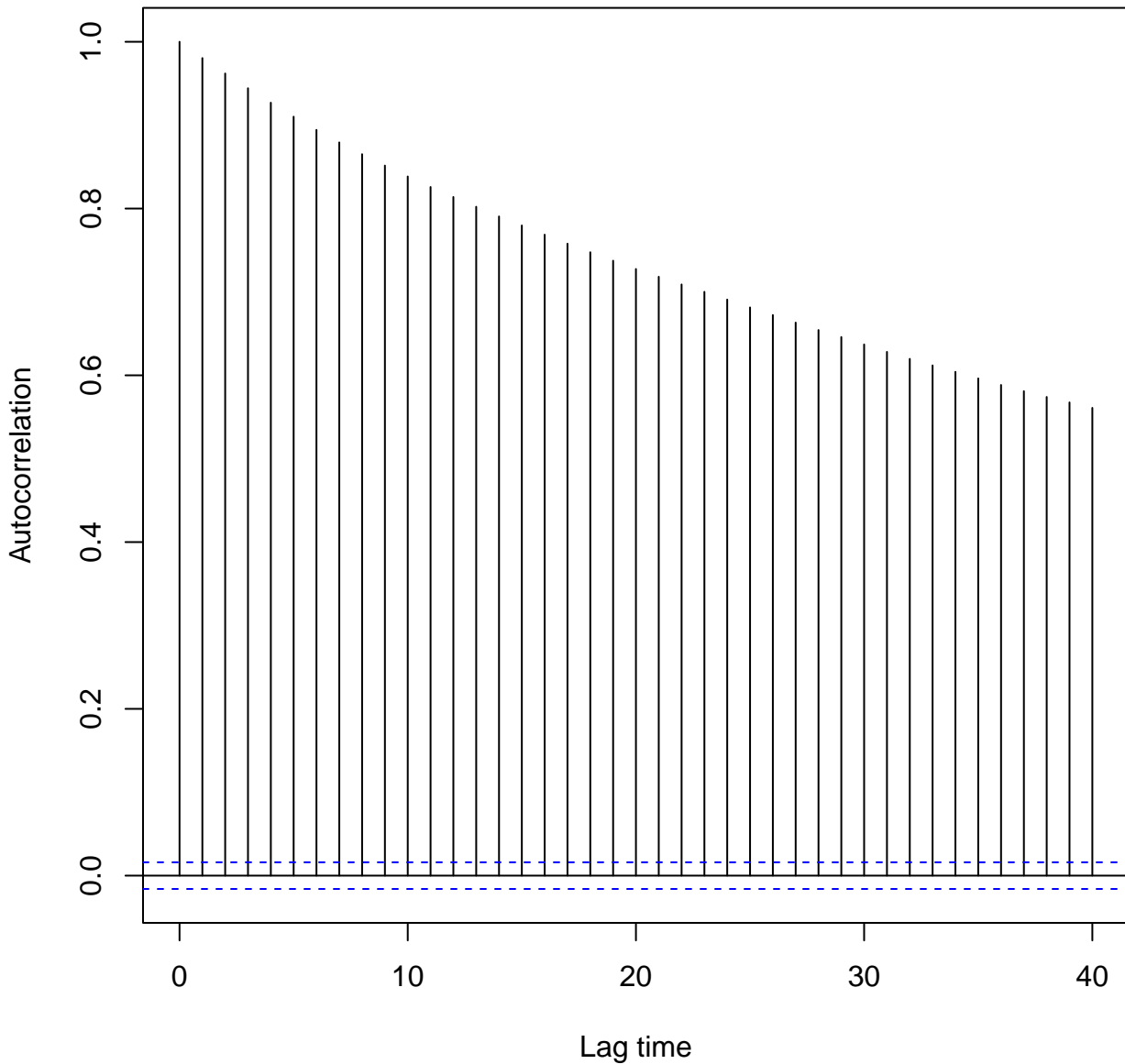
# Selection L CTA Mixture: 1



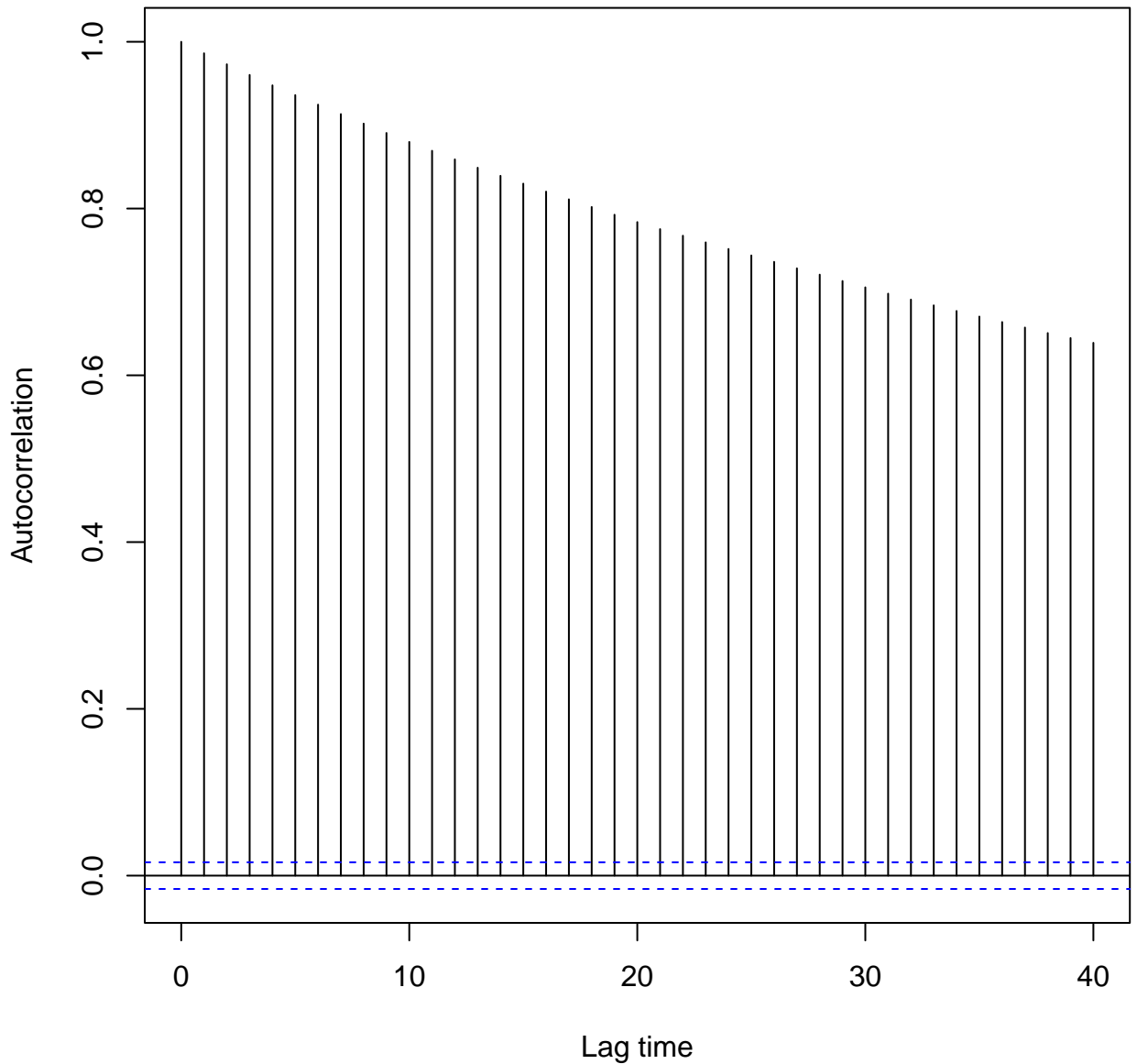
# Selection L CTC Mixture: 1



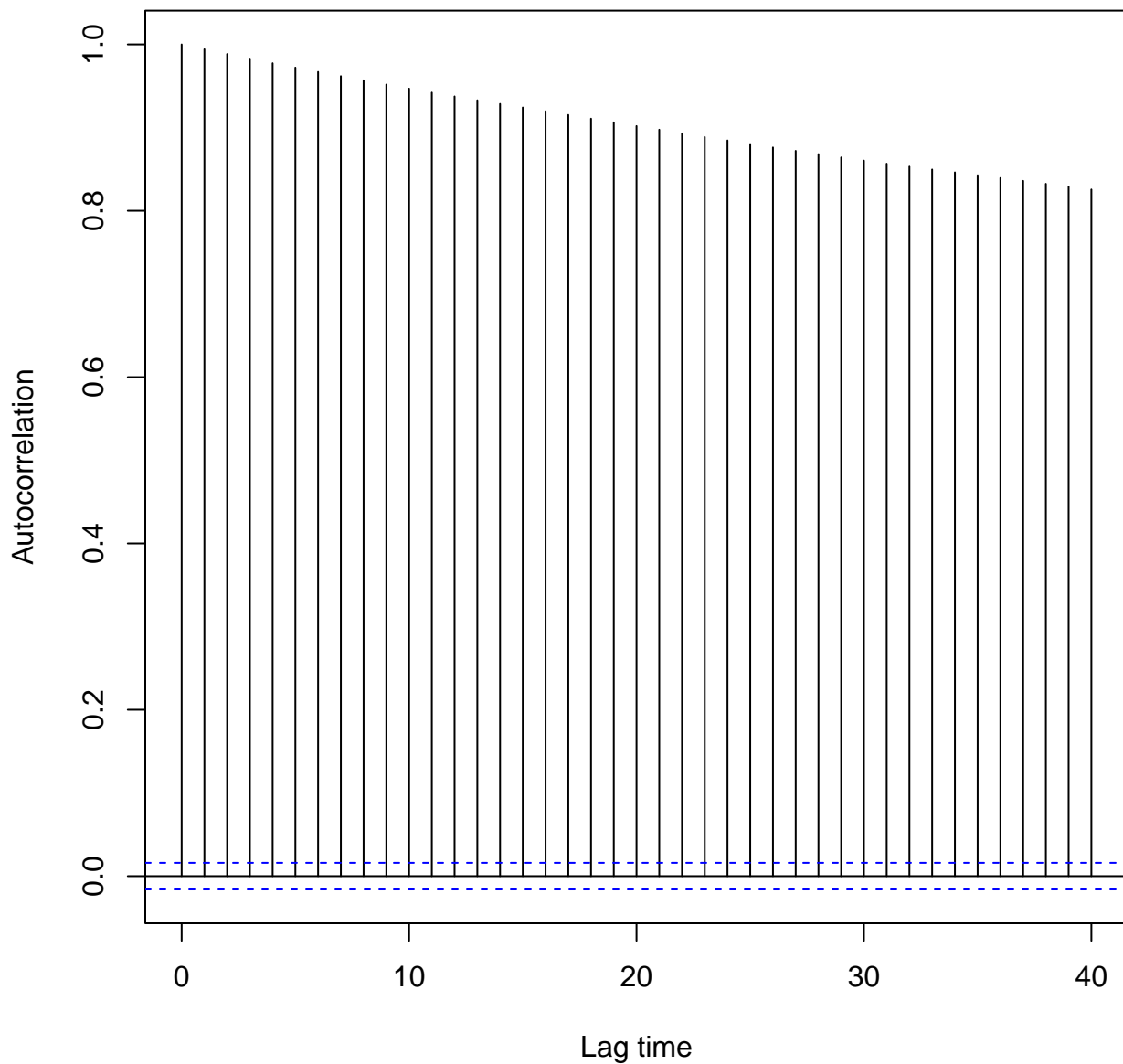
# Selection L CTG Mixture: 1



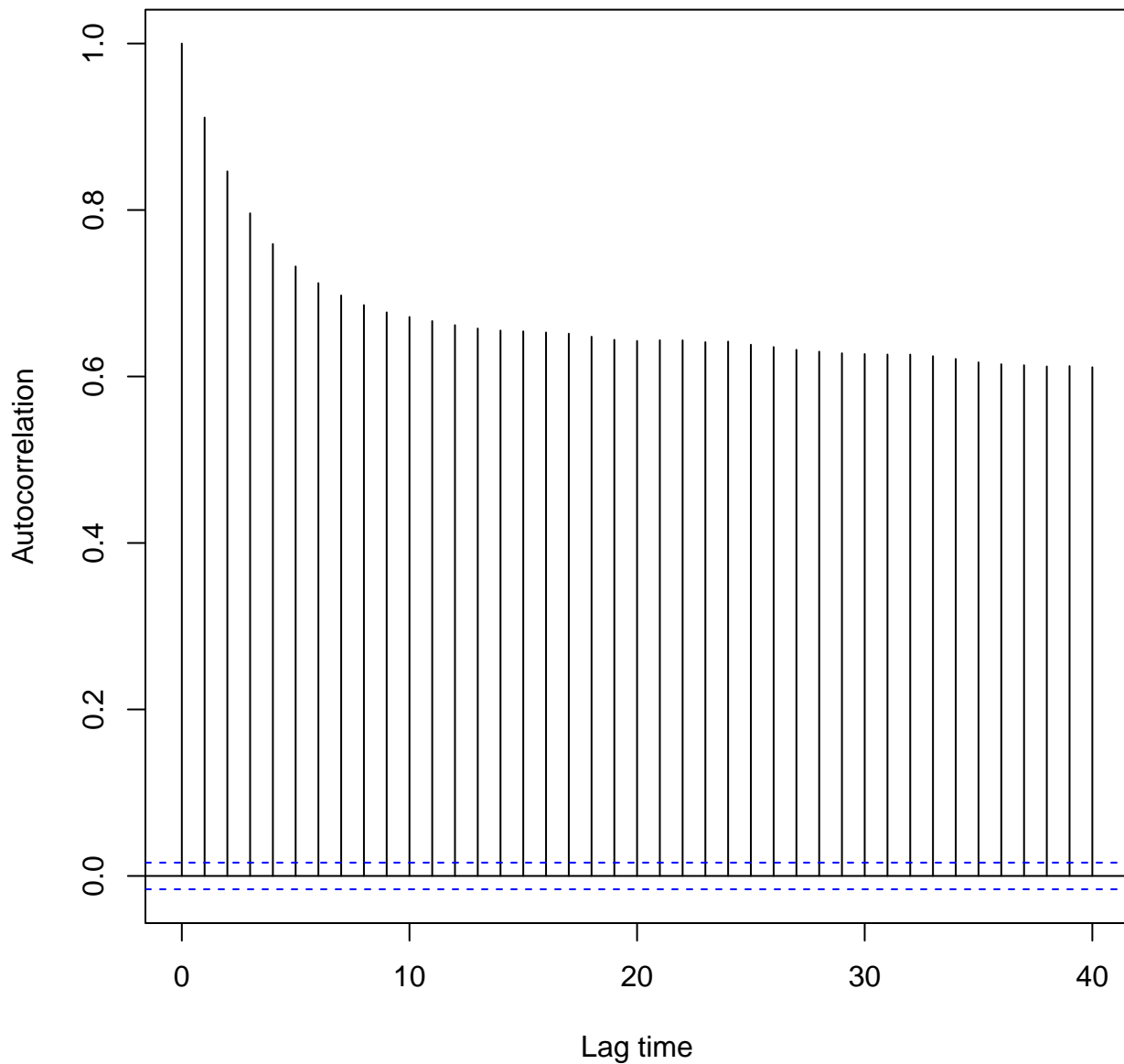
# Selection L CTT Mixture: 1



# Selection L TTA Mixture: 1

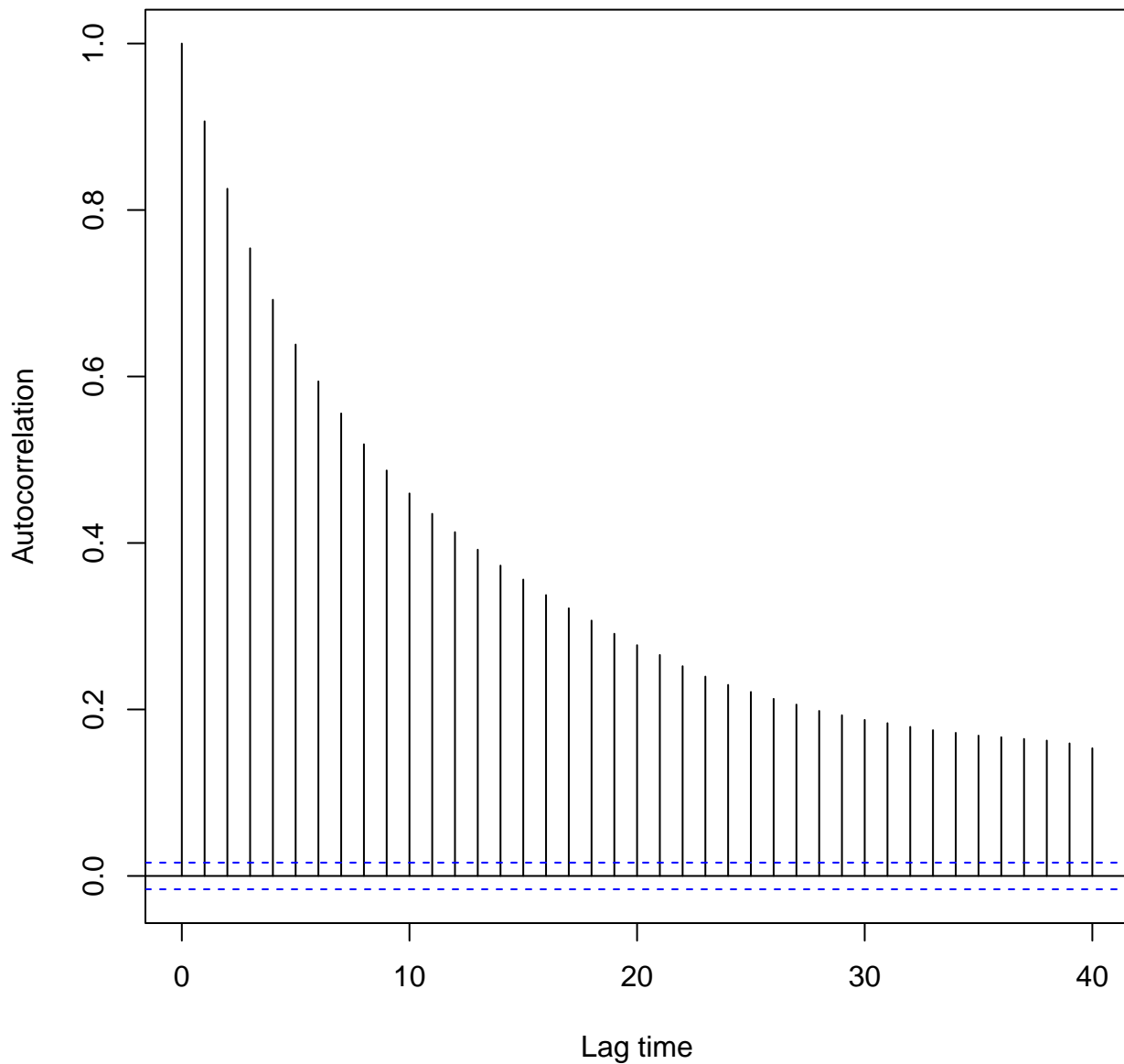


# Selection N AAC Mixture: 1

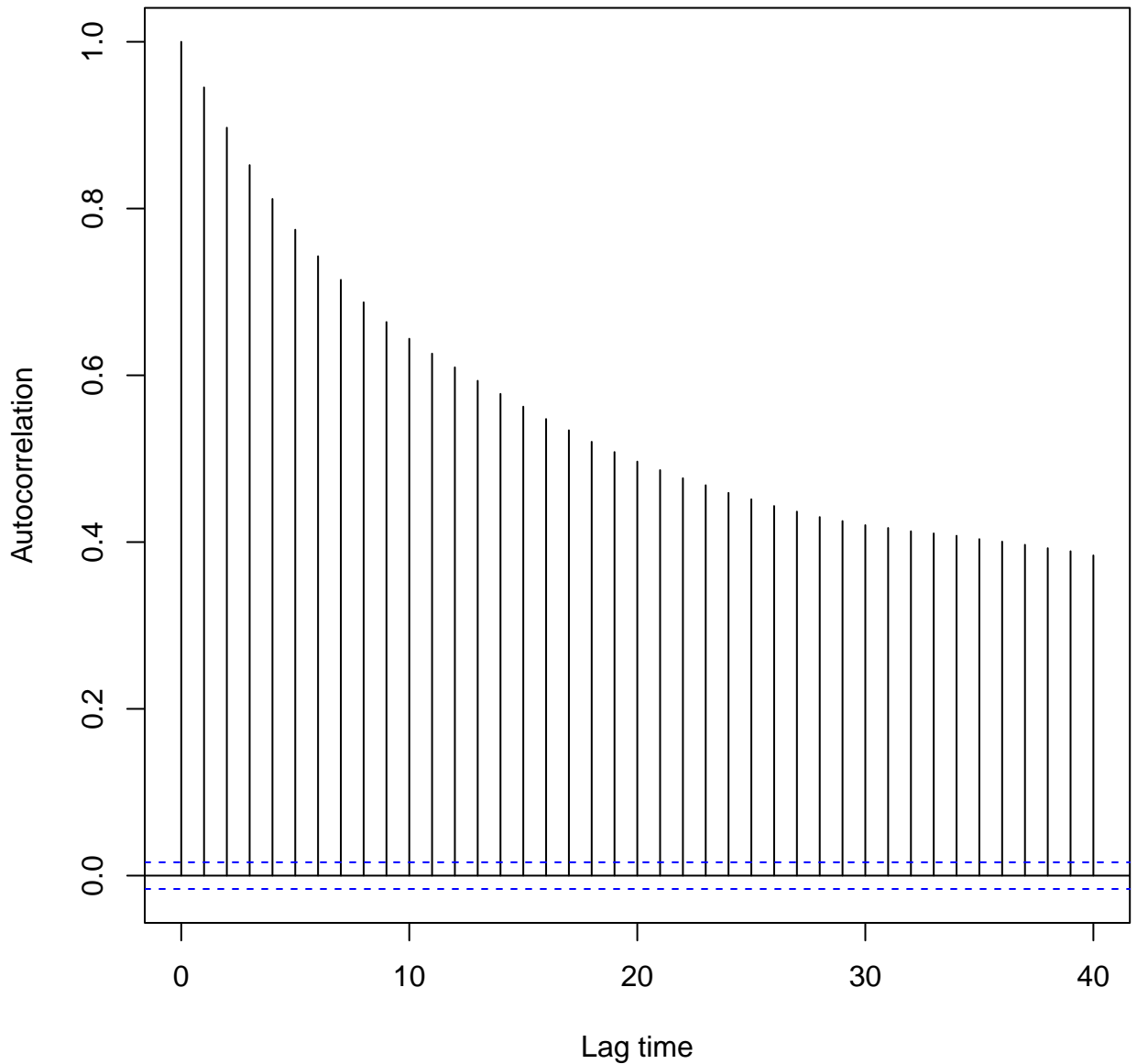




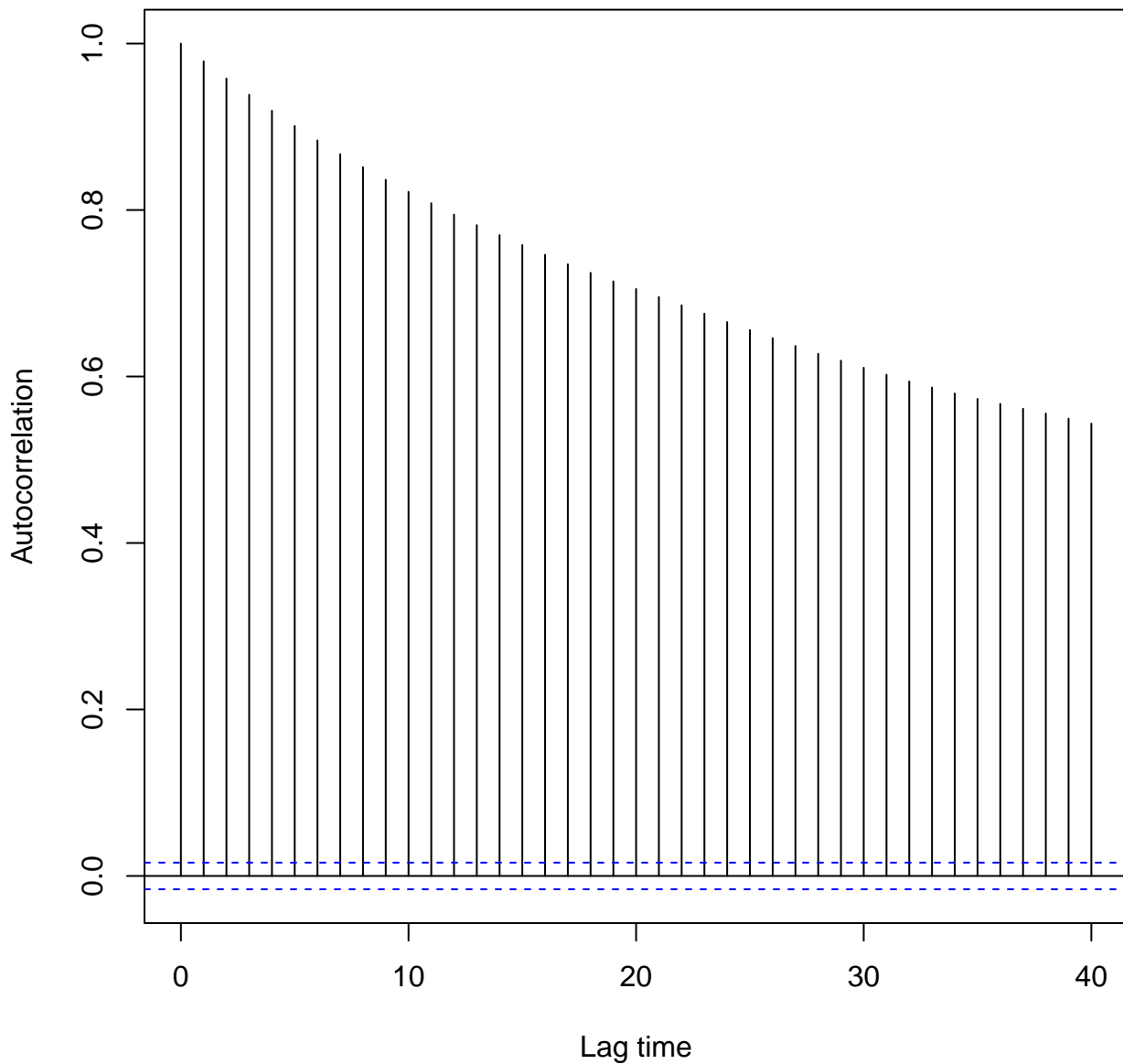
# Selection P CCA Mixture: 1



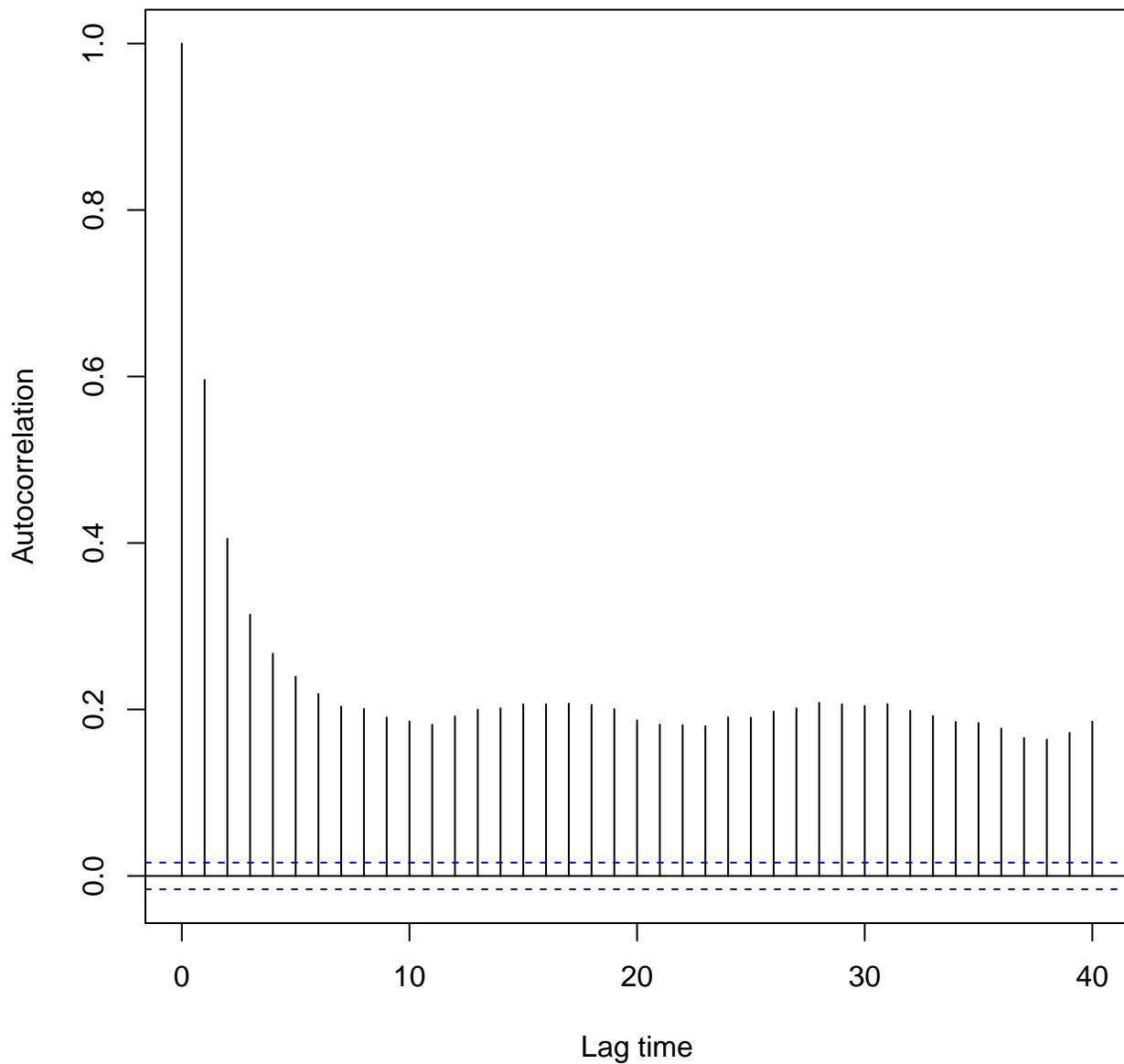
# Selection P CCC Mixture: 1



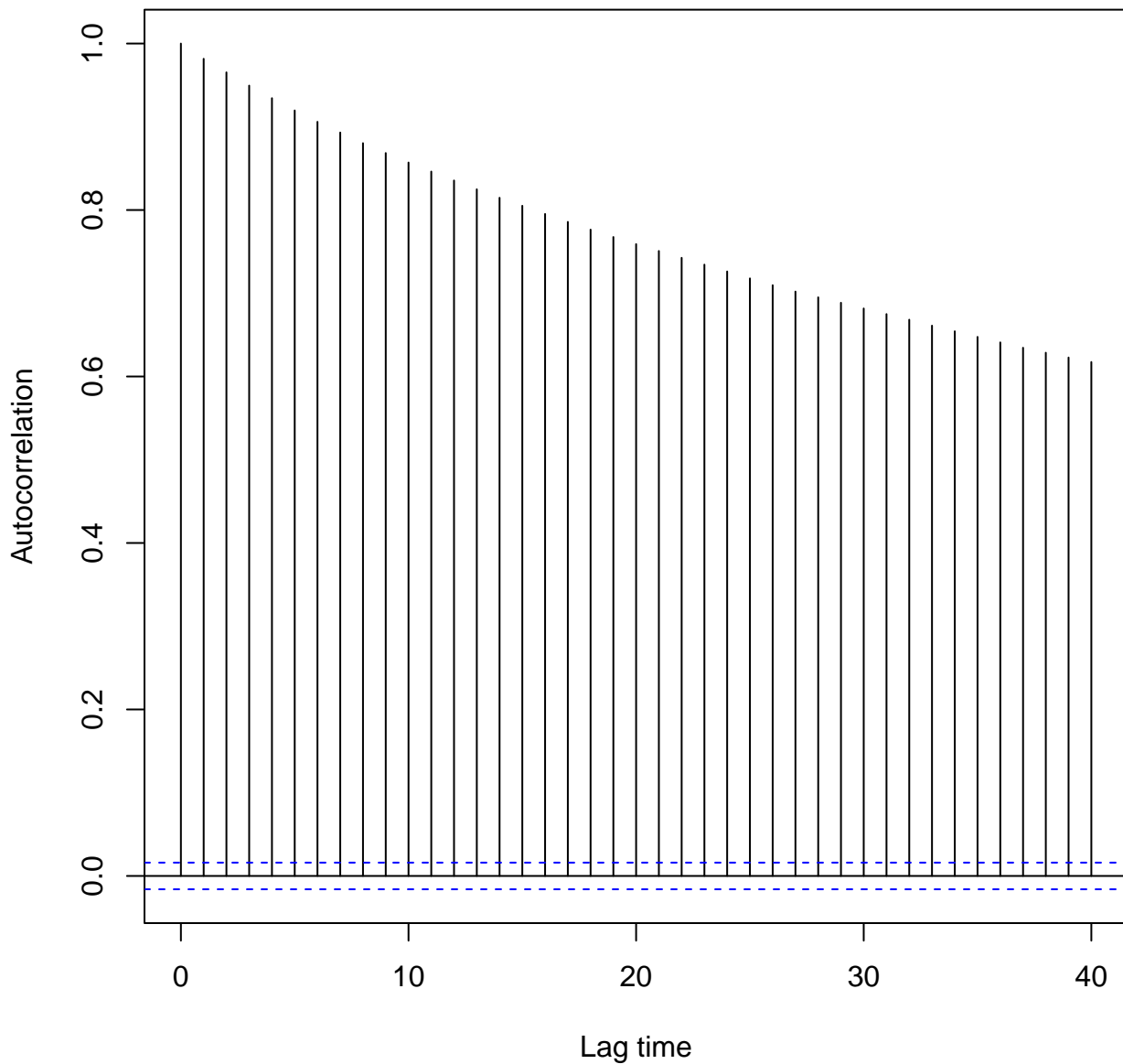
# Selection P CCG Mixture: 1



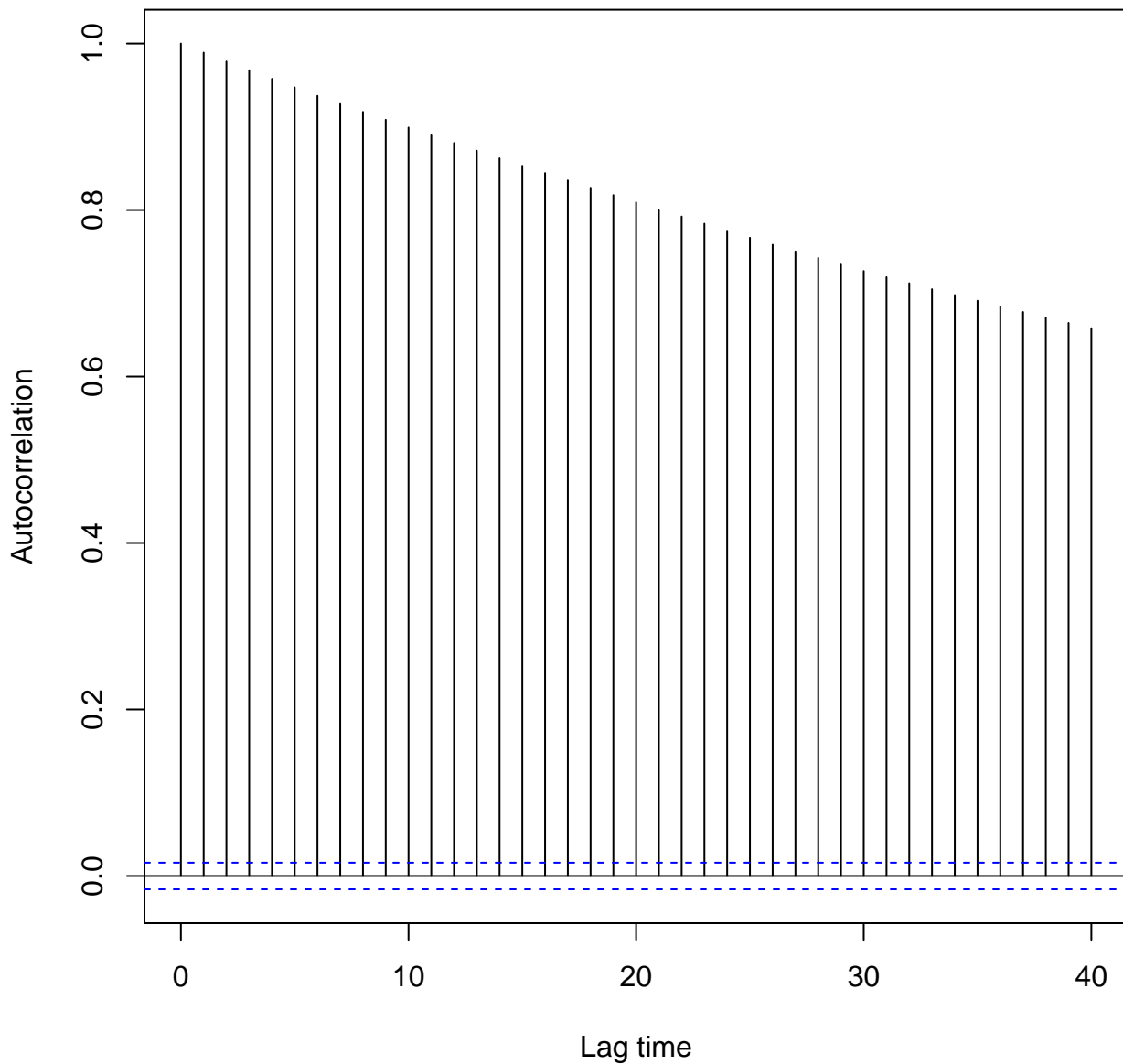
# Selection Q CAA Mixture: 1



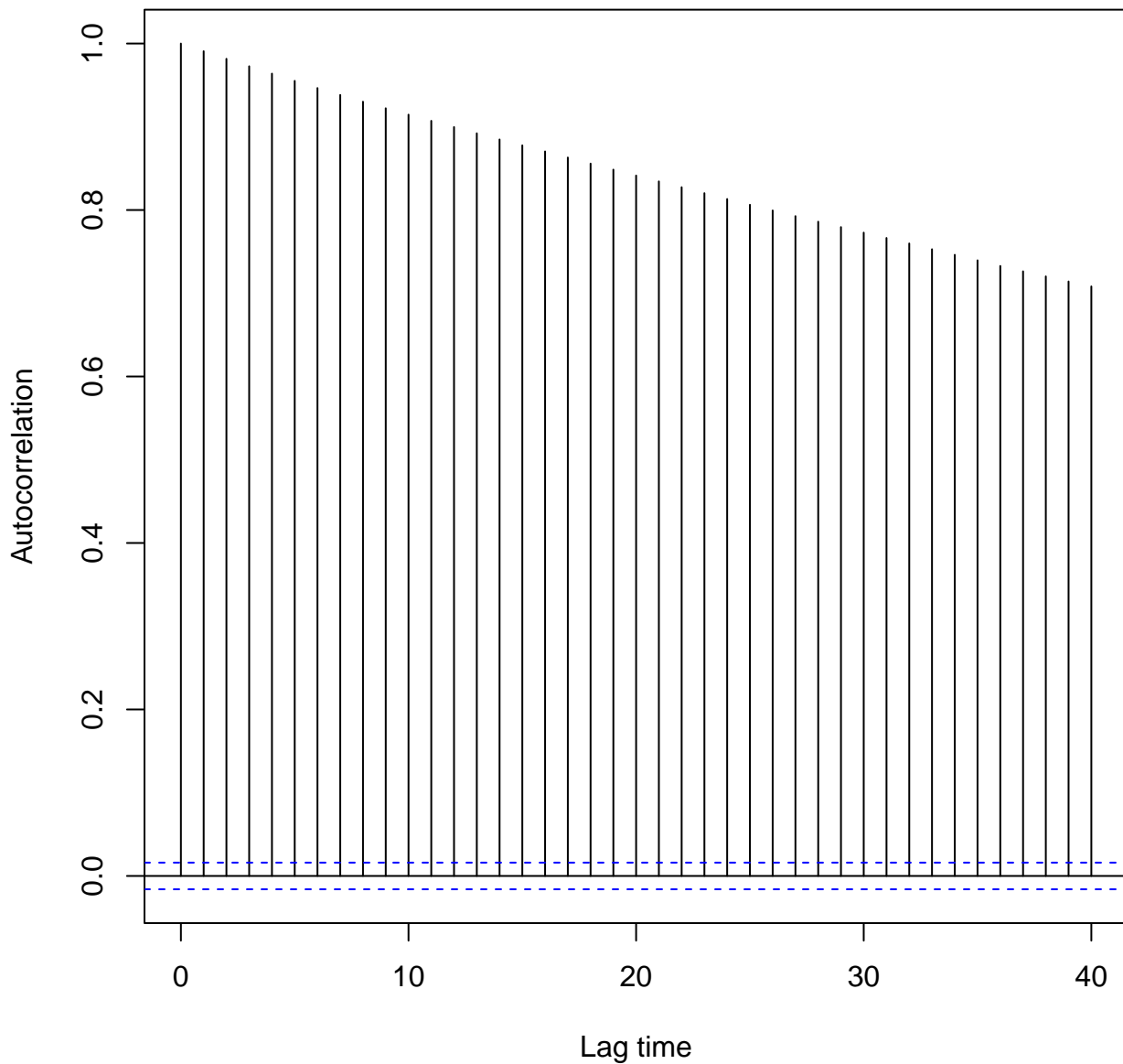
# Selection R AGA Mixture: 1



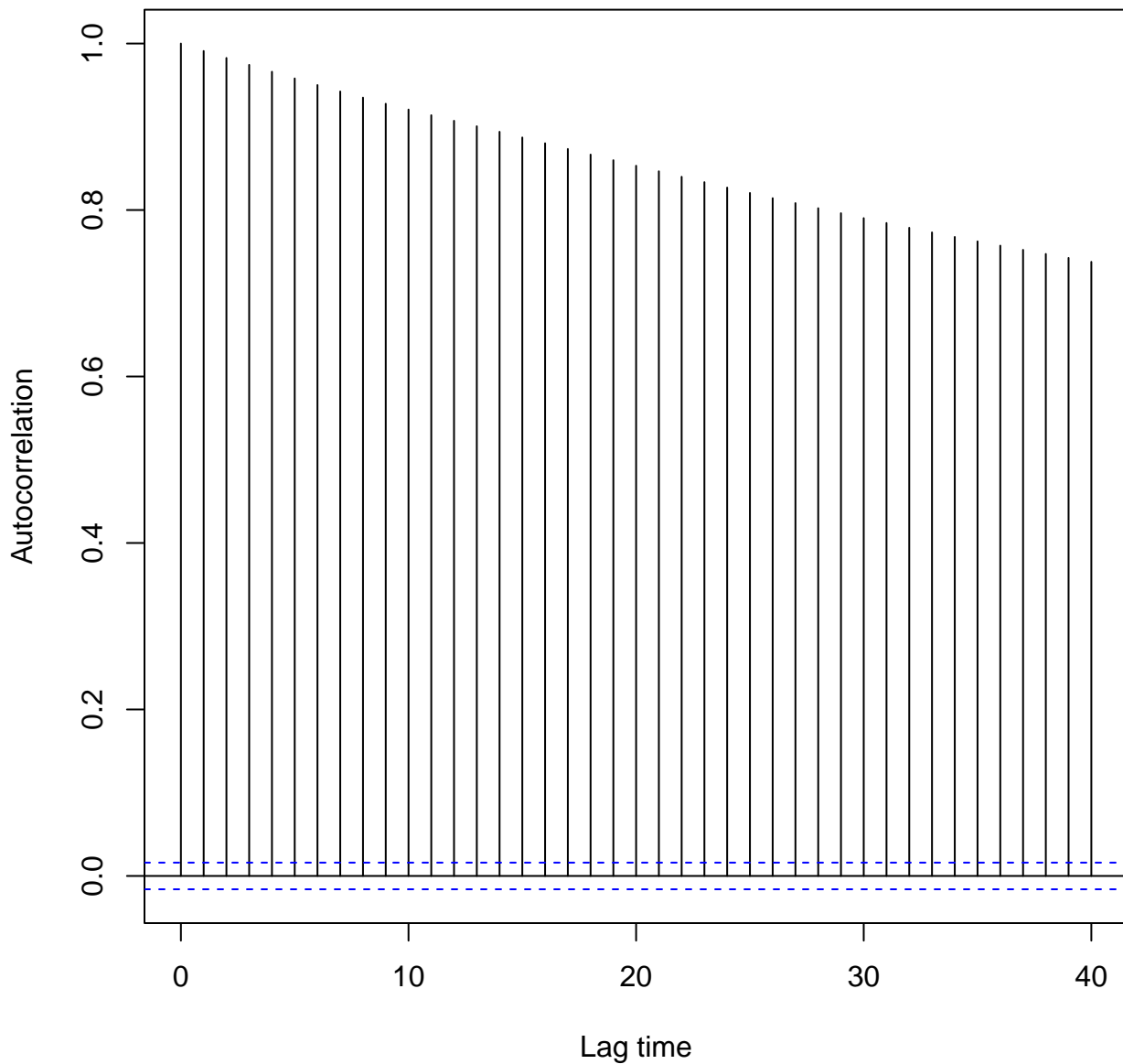
# Selection R AGG Mixture: 1



# Selection R CGA Mixture: 1

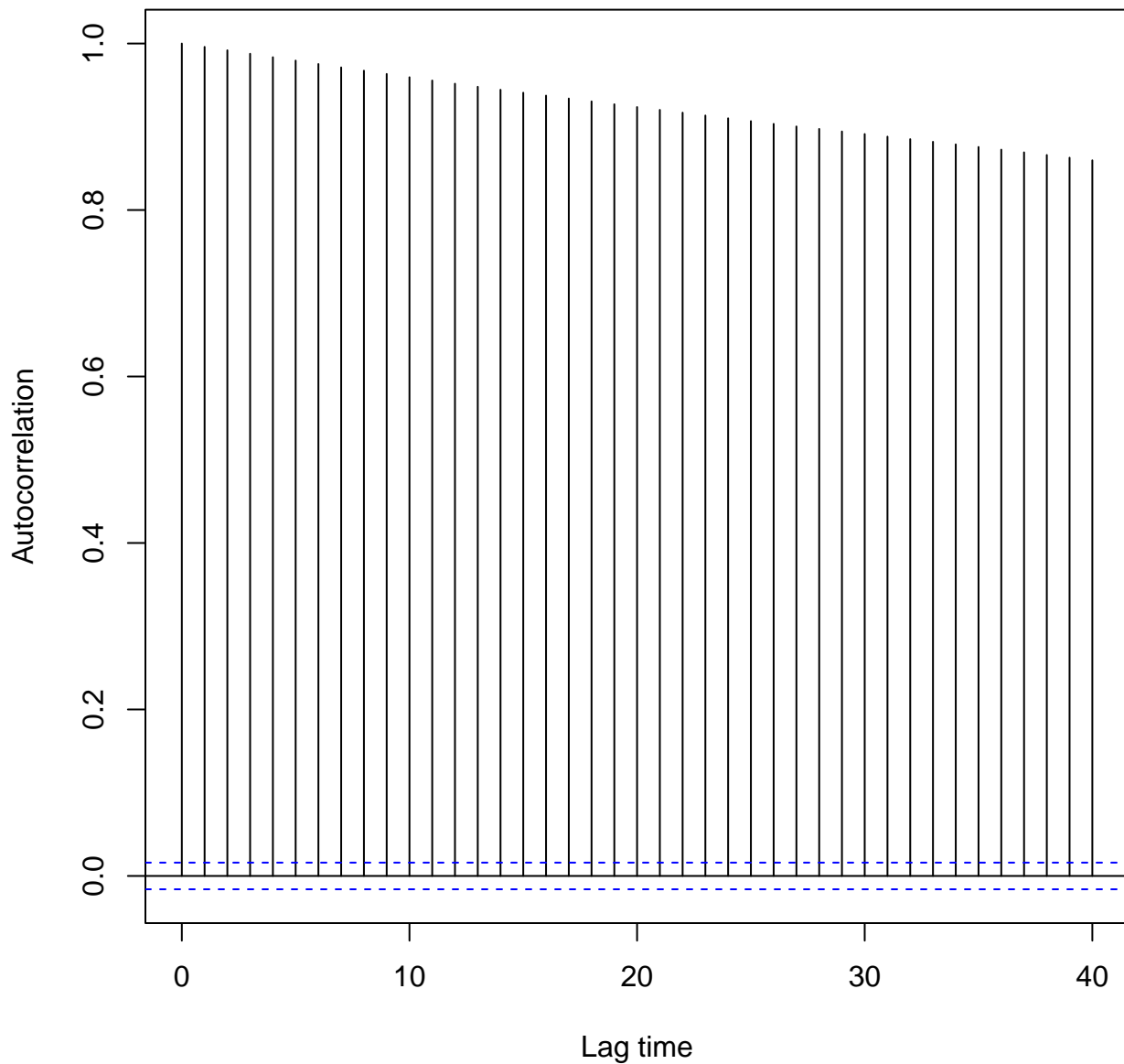


# Selection R CGC Mixture: 1

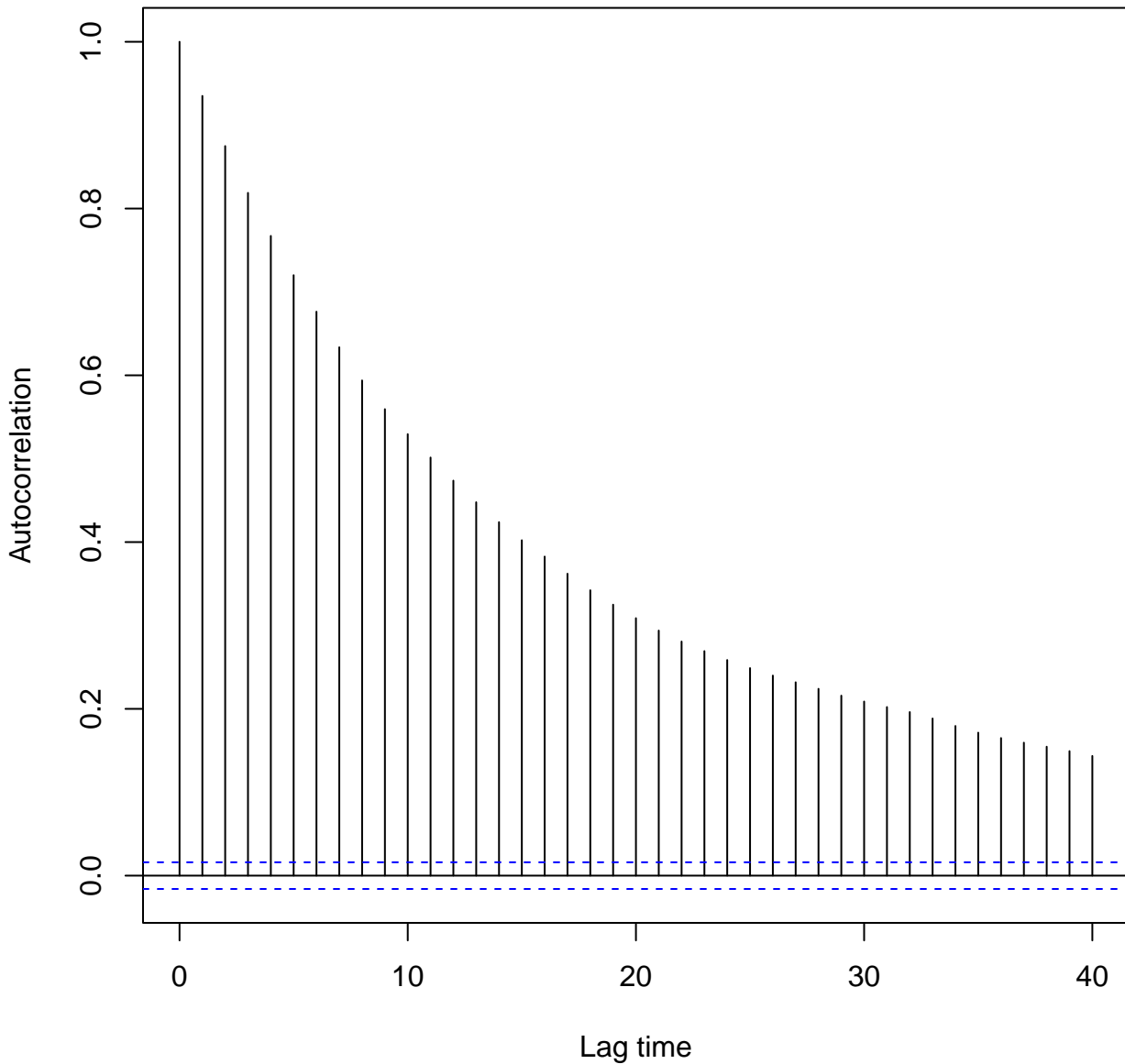




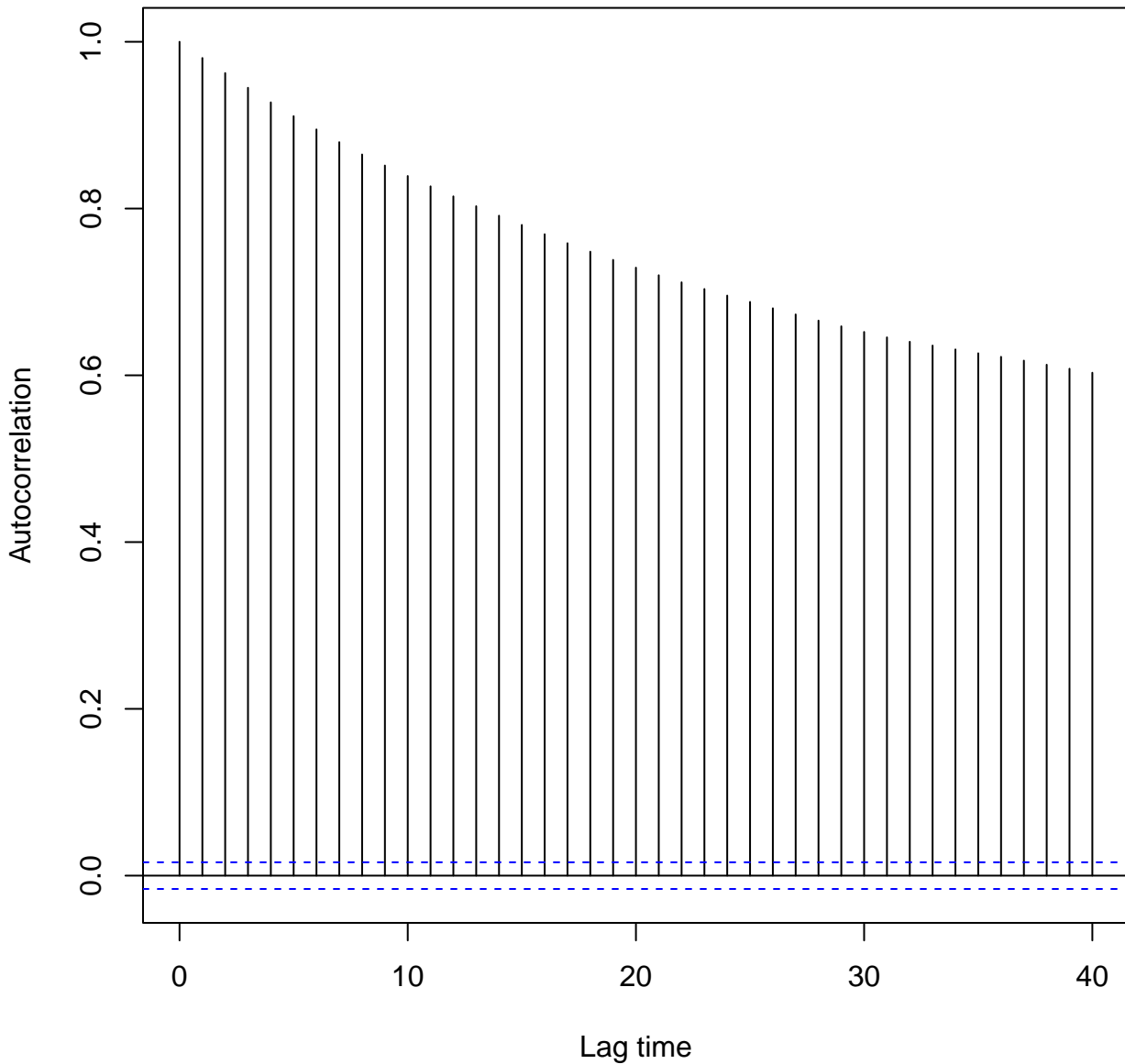
# Selection R CGG Mixture: 1



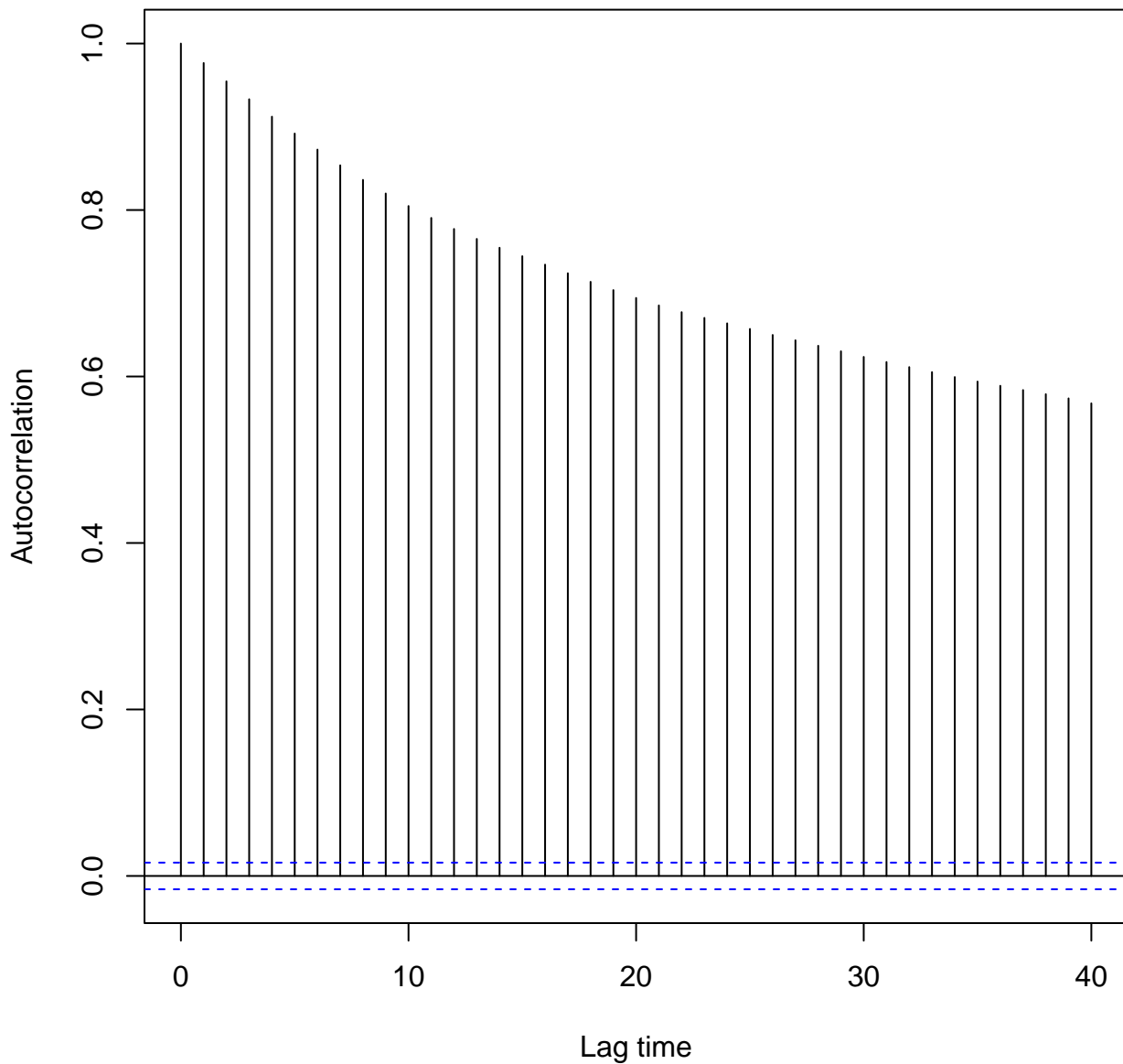
# Selection S TCA Mixture: 1



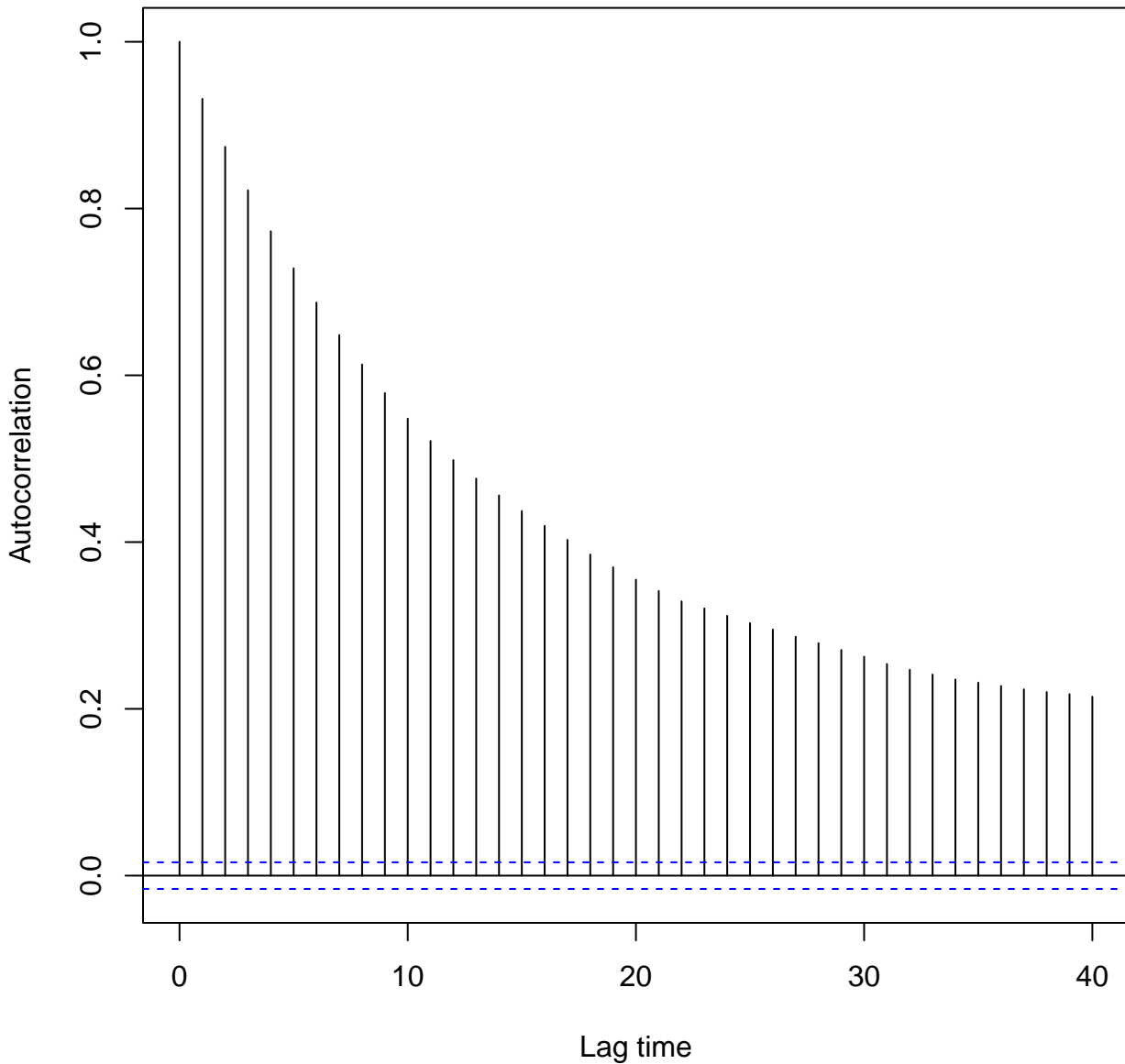
# Selection S TCC Mixture: 1



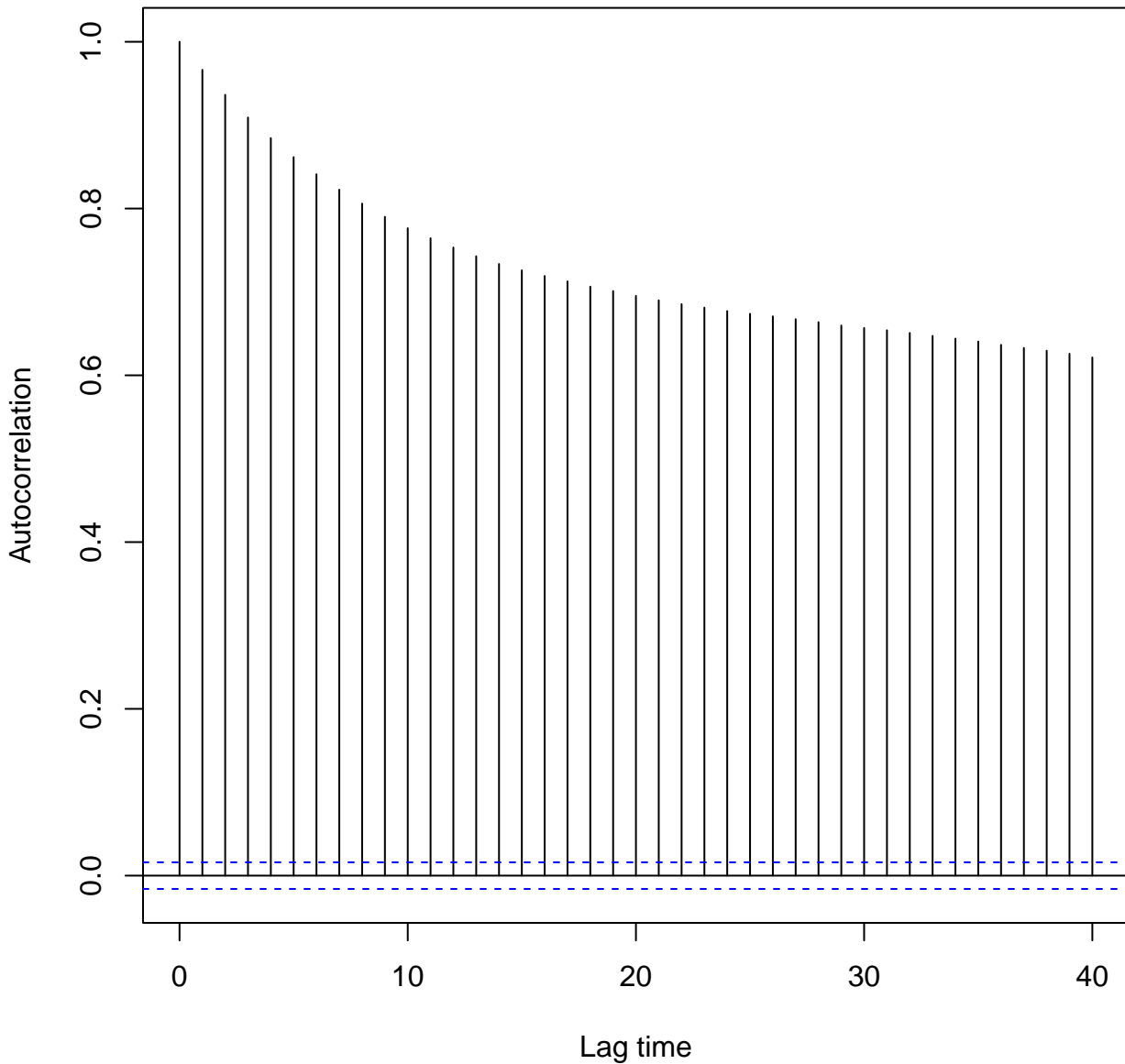
# Selection S TCG Mixture: 1



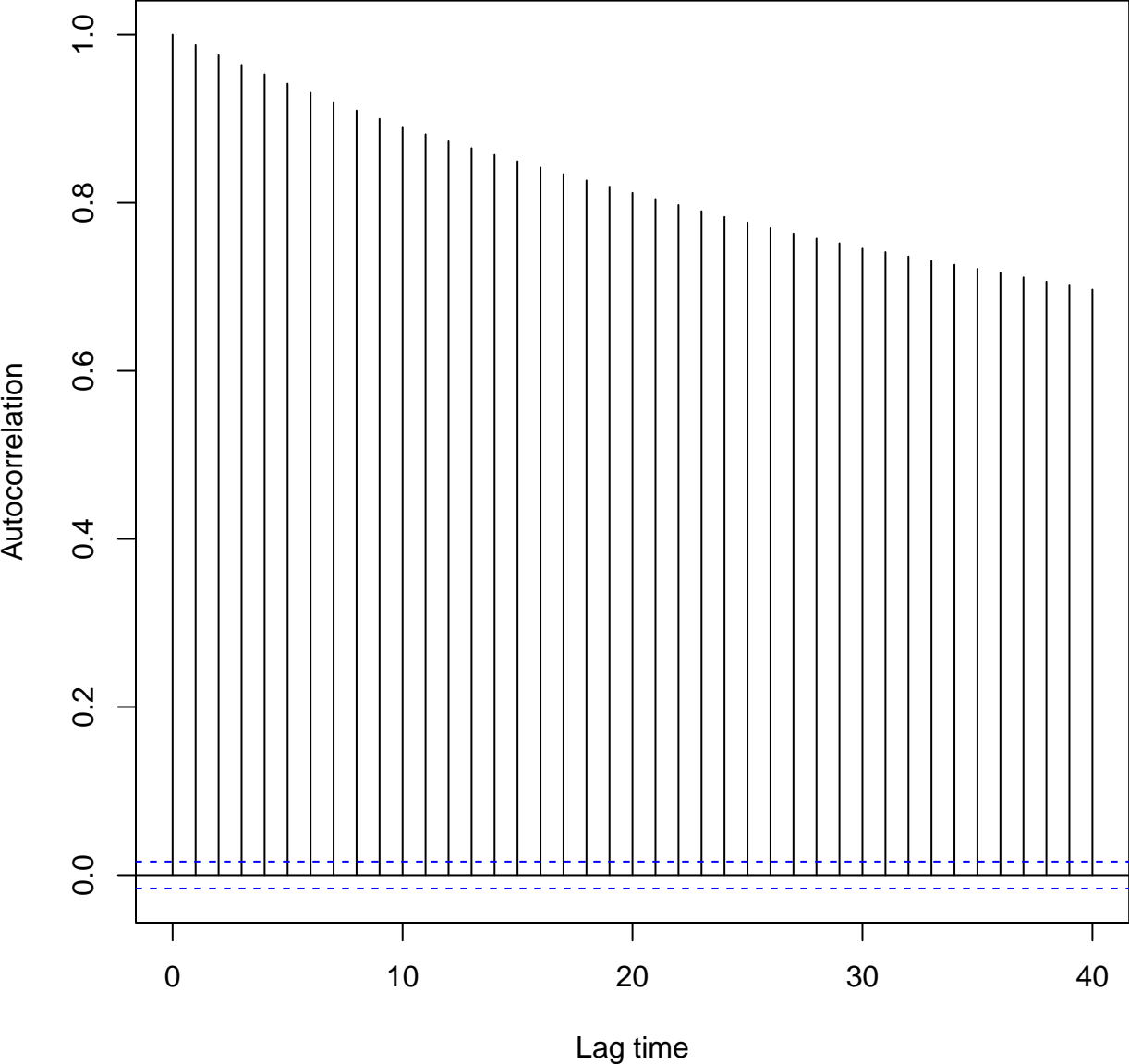
# Selection T ACA Mixture: 1



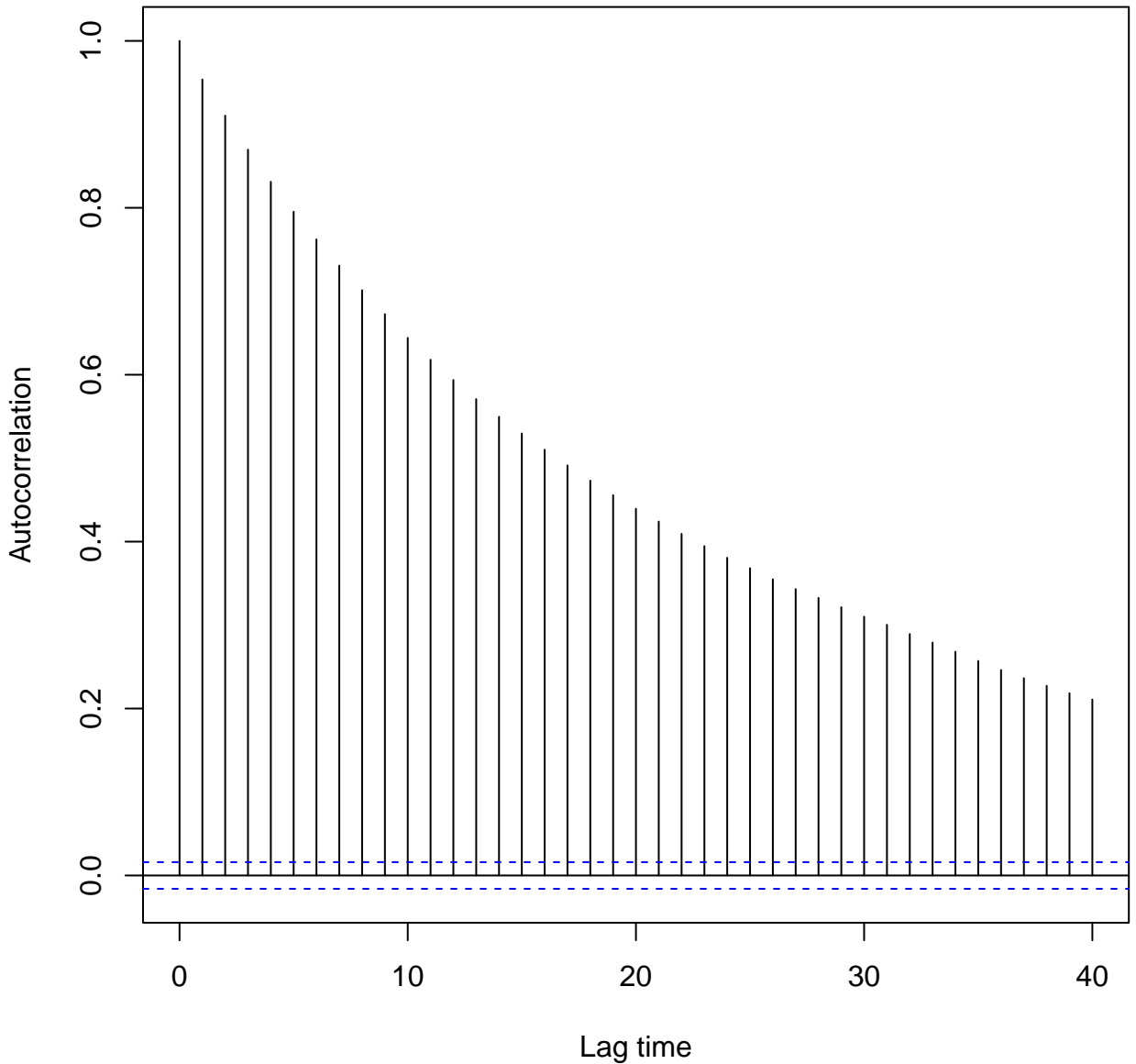
# Selection T ACC Mixture: 1



Selection T ACG Mixture: 1

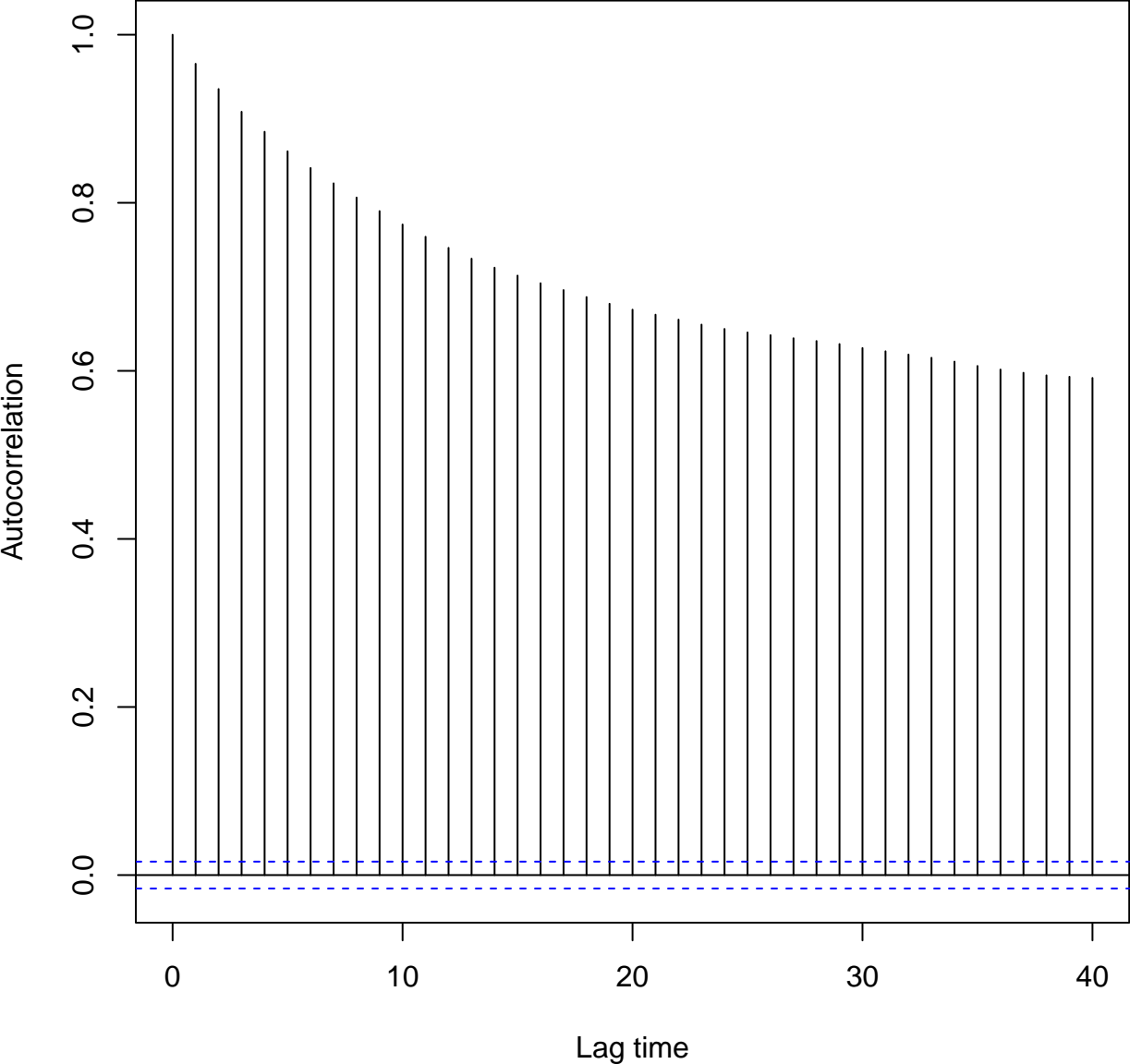


# Selection V GTA Mixture: 1

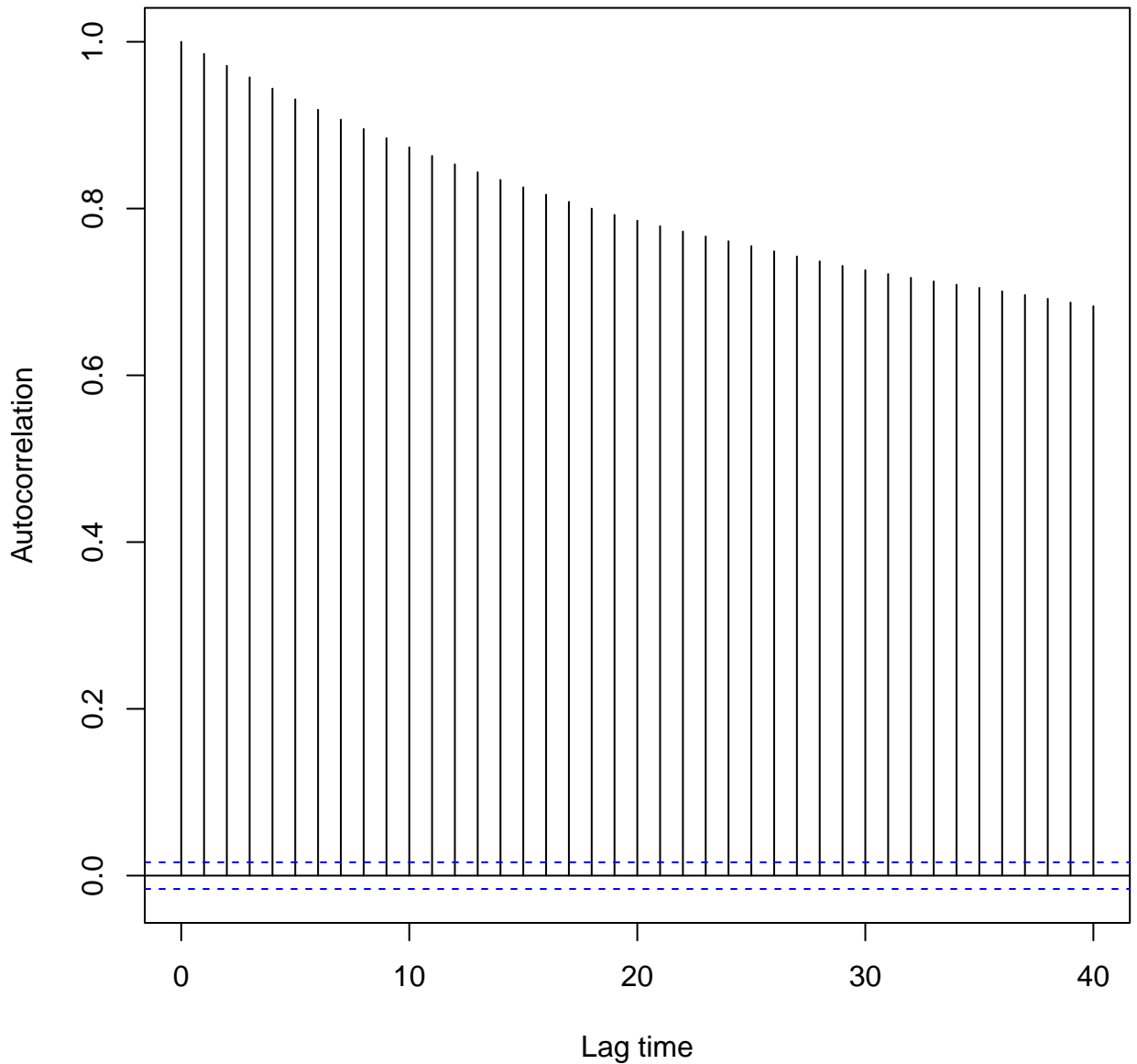




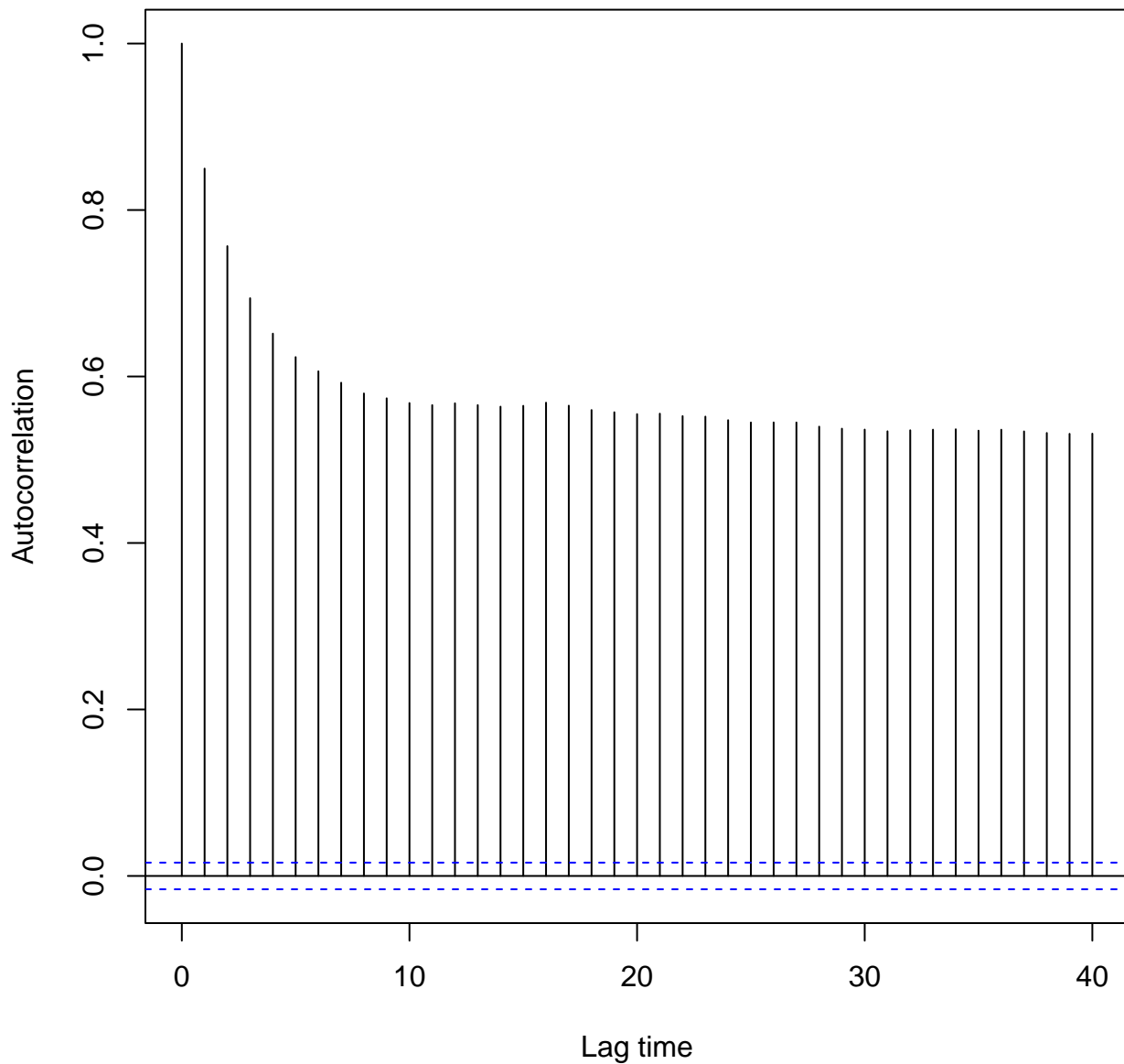
Selection V GTC Mixture: 1



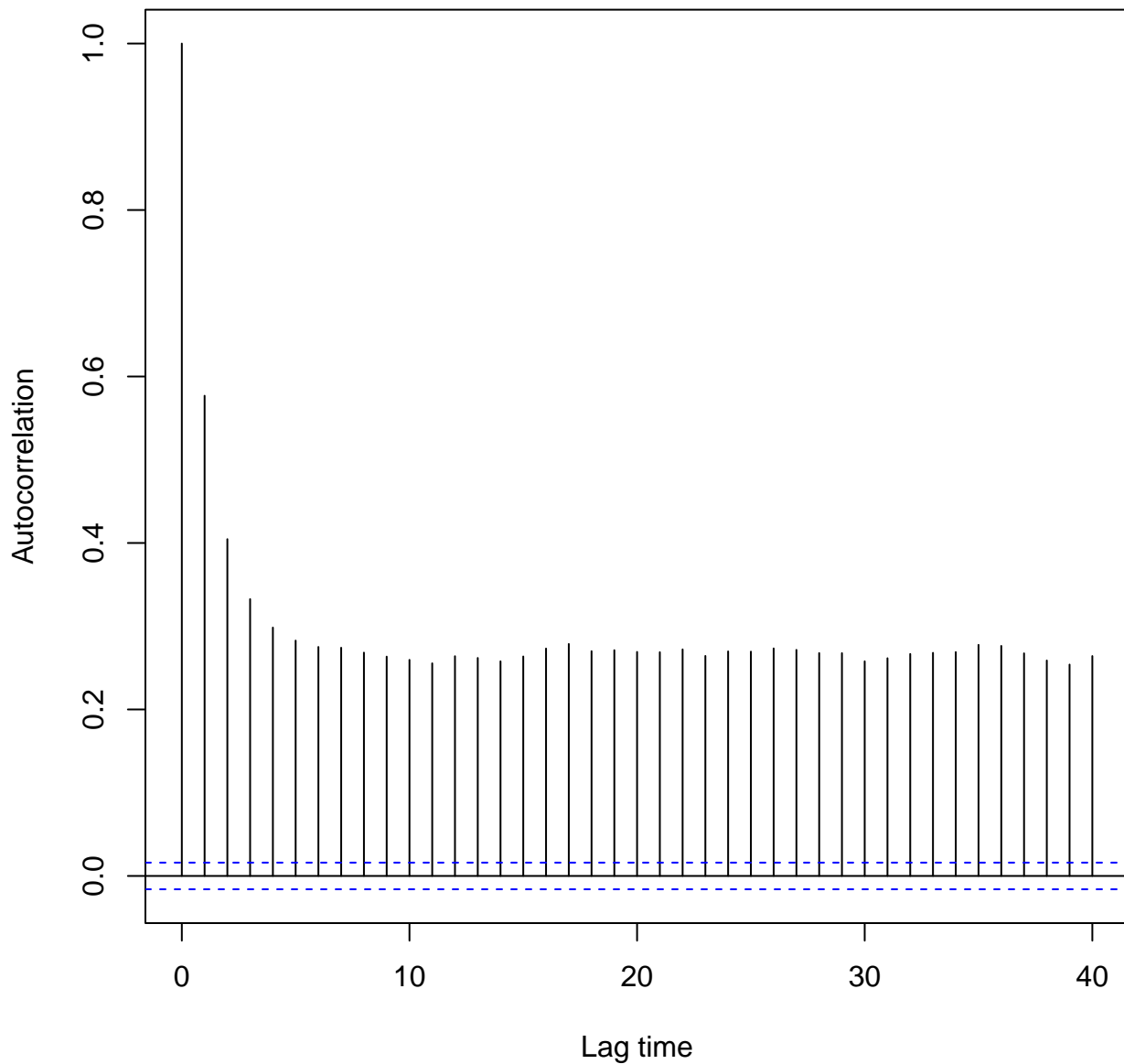
# Selection V GTG Mixture: 1



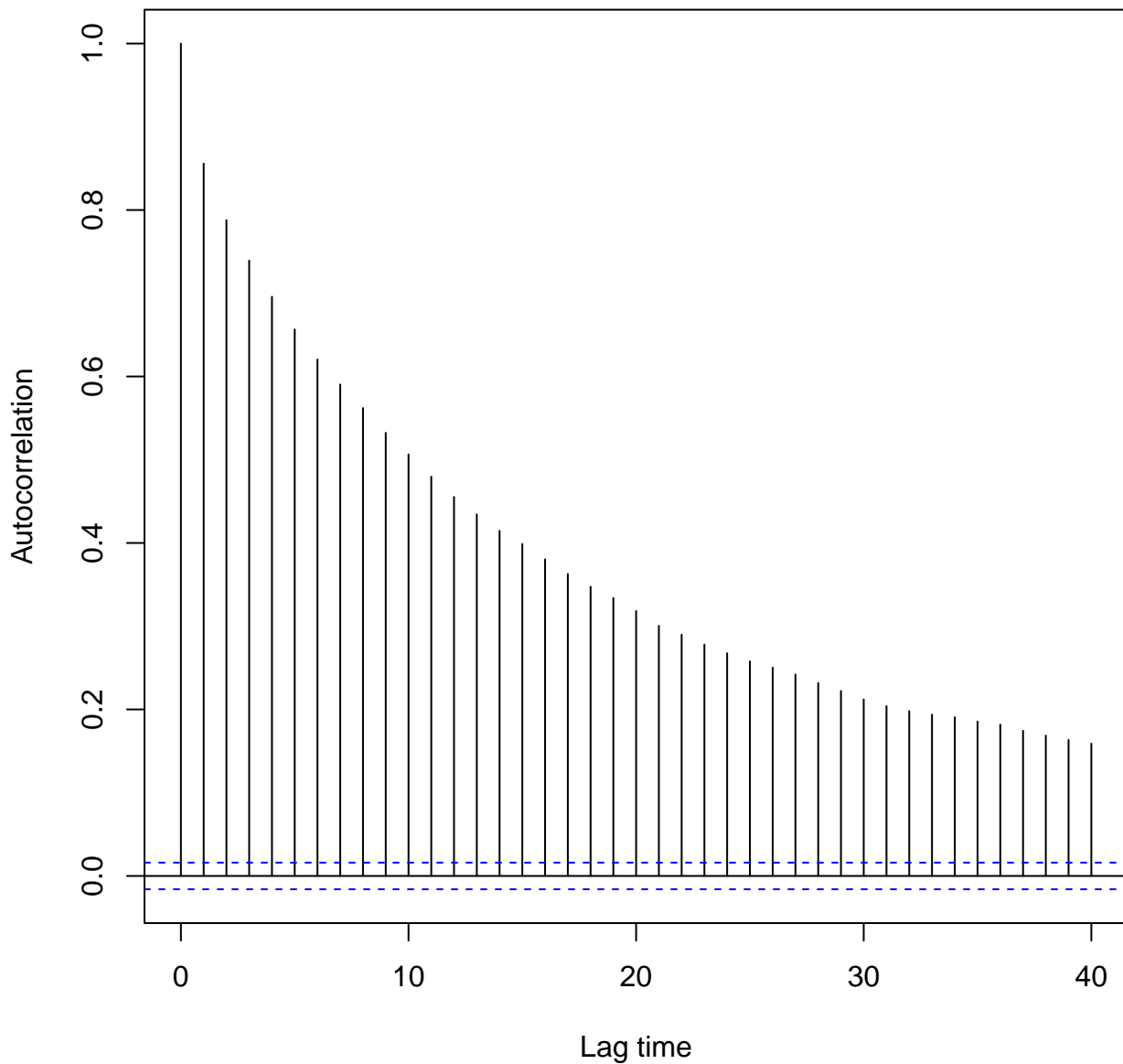
# Selection Y TAC Mixture: 1



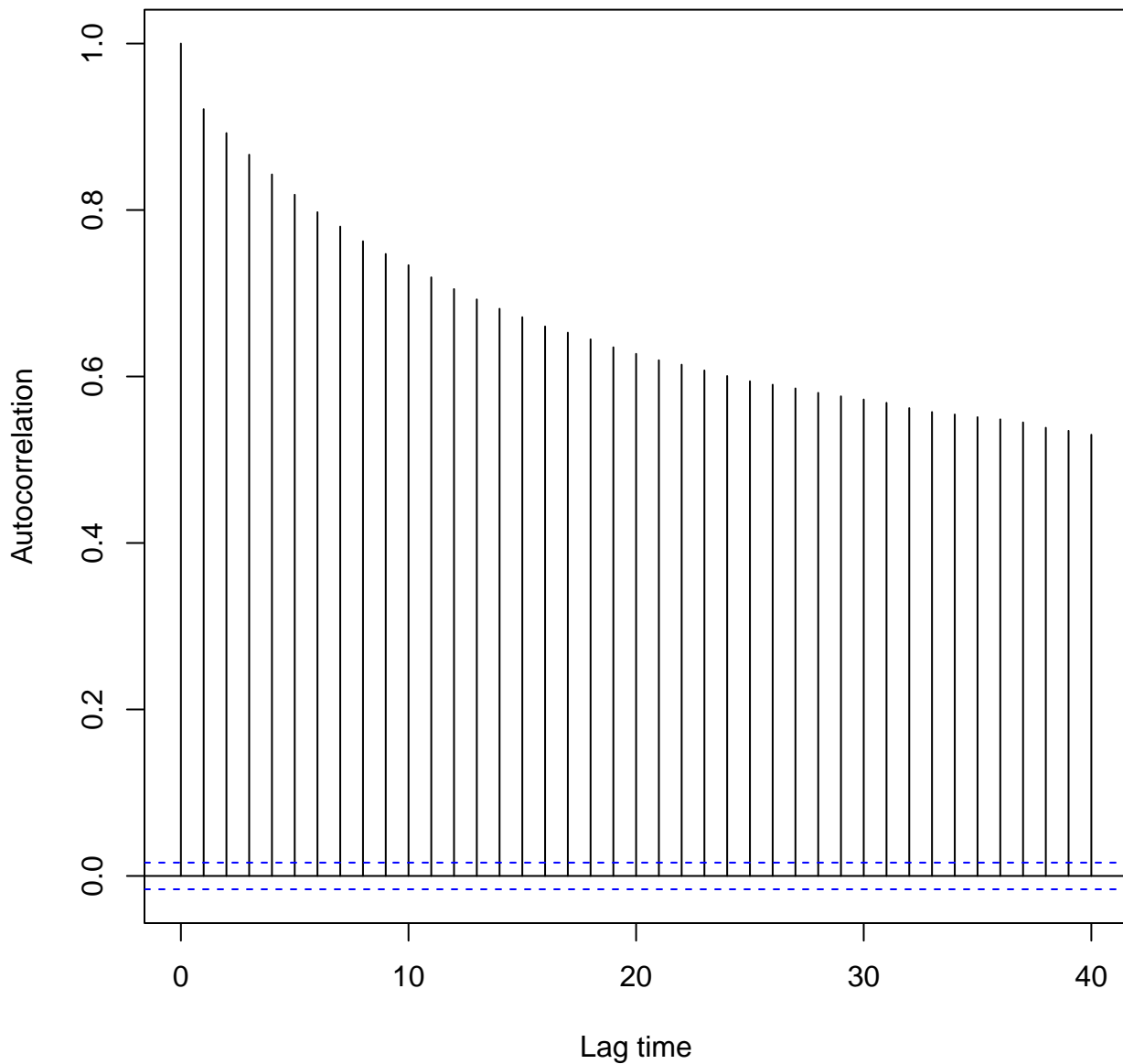
# Selection Z AGC Mixture: 1



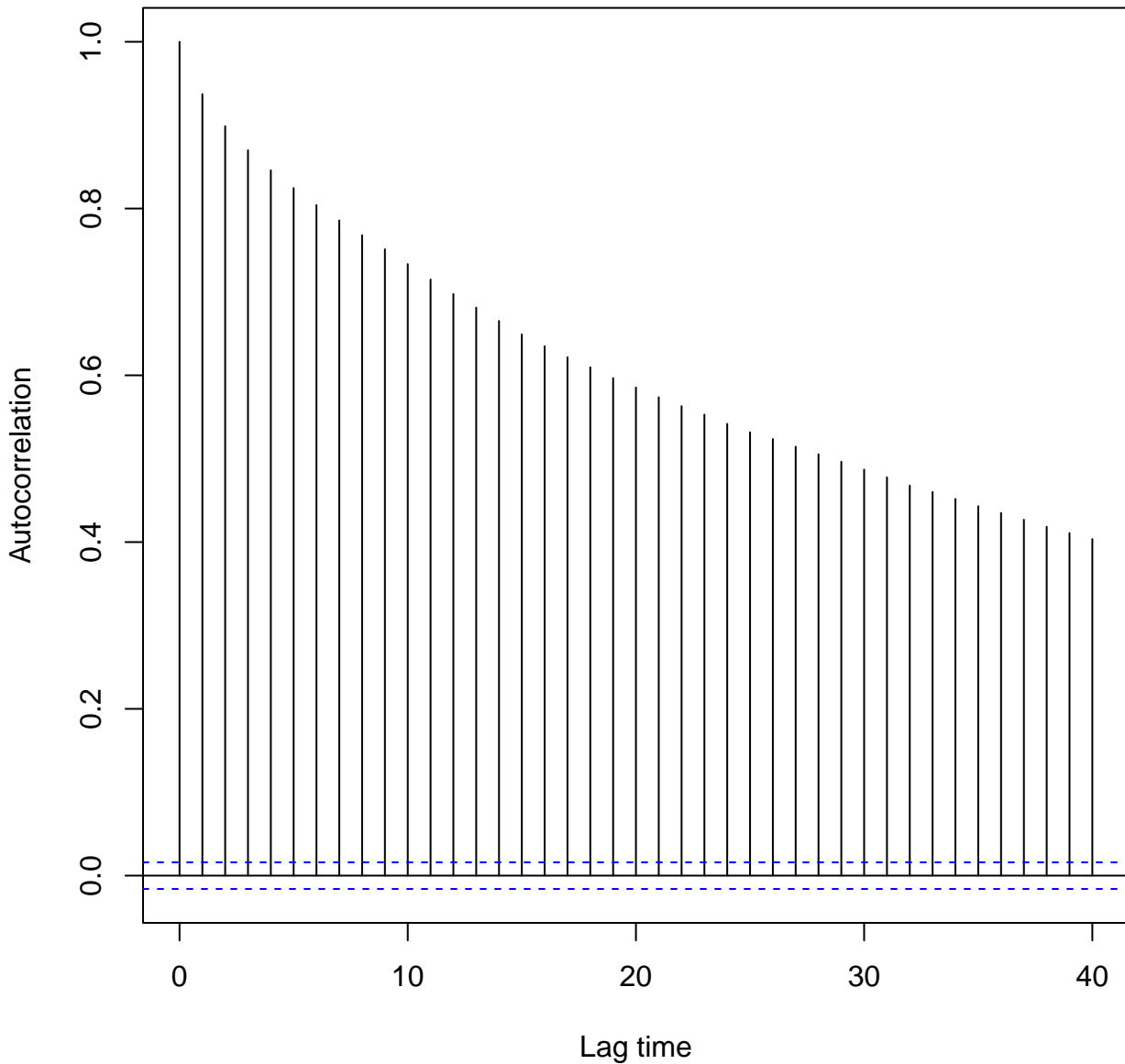
# Mutation A GCA Mixture: 1



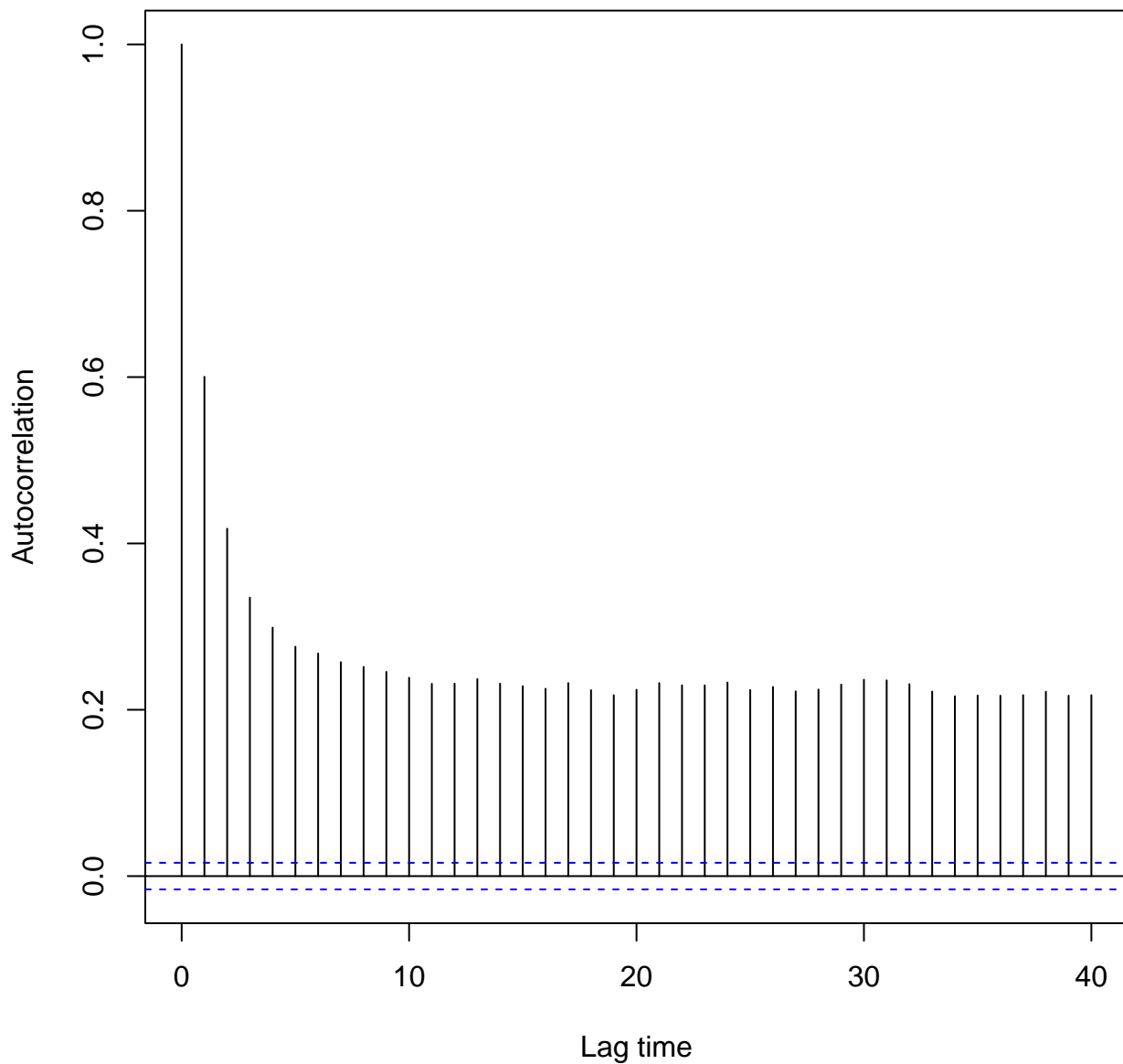
# Mutation A GCC Mixture: 1



# Mutation A GCG Mixture: 1

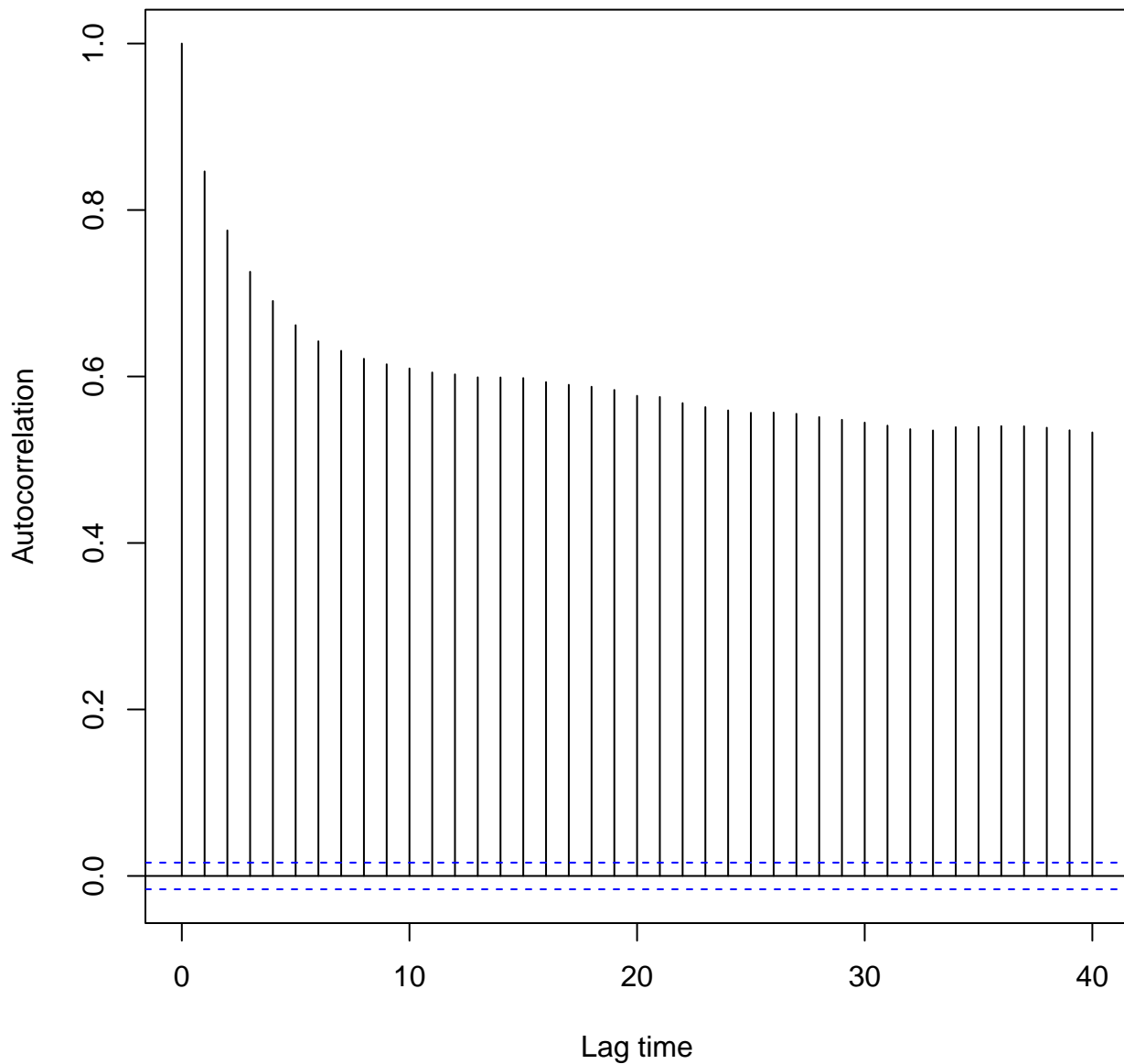


# Mutation C TGC Mixture: 1

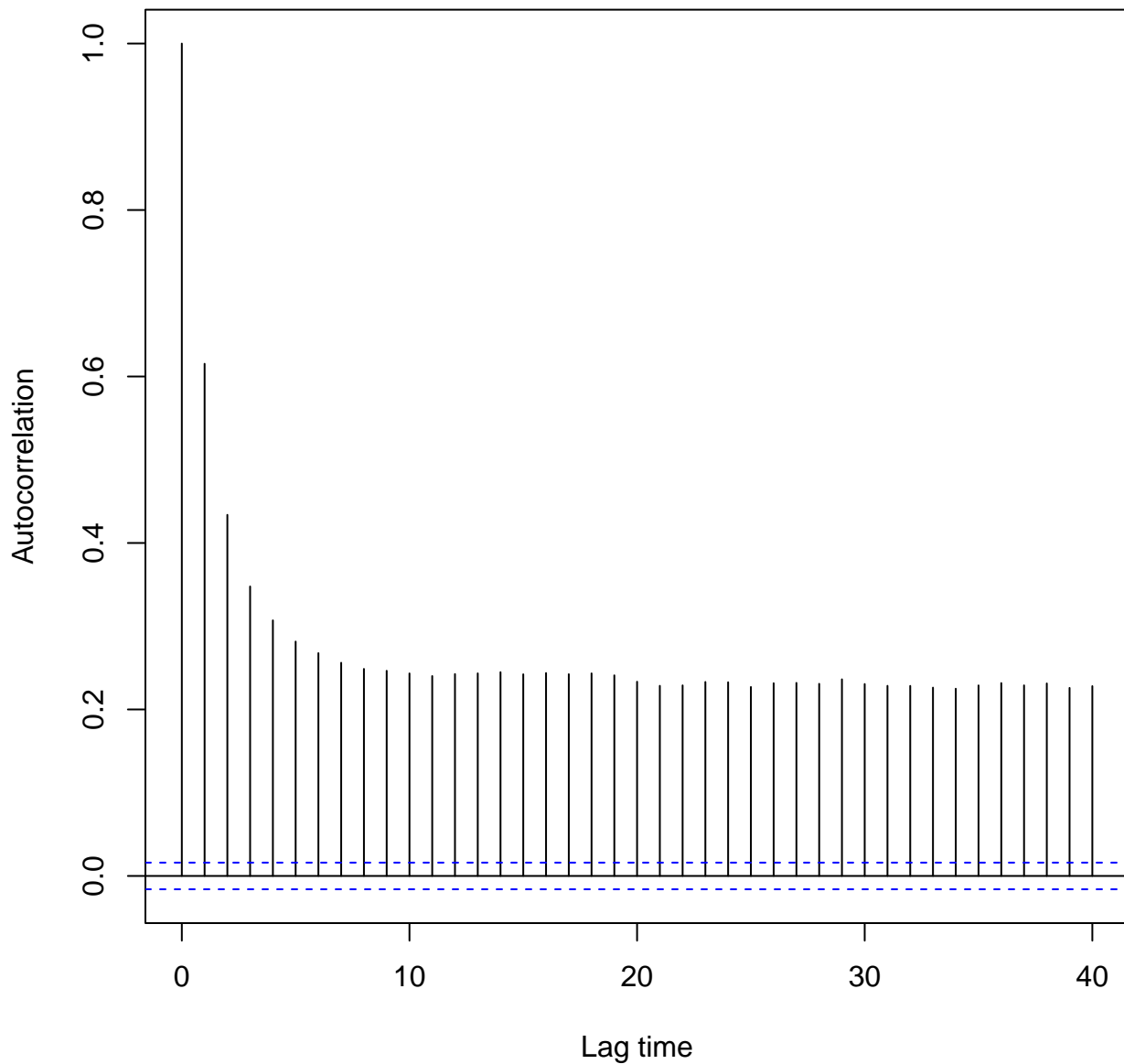




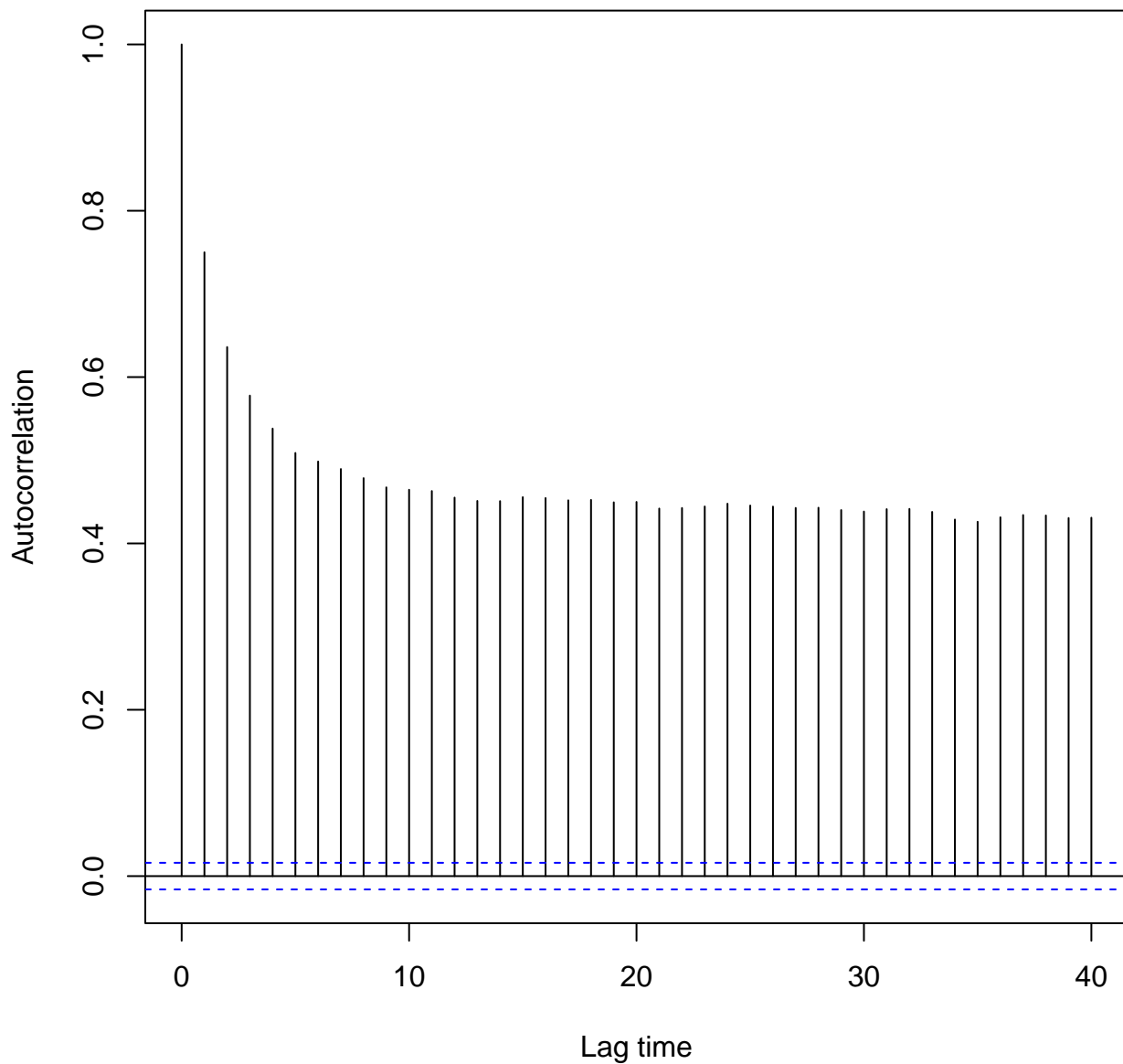
# Mutation D GAC Mixture: 1



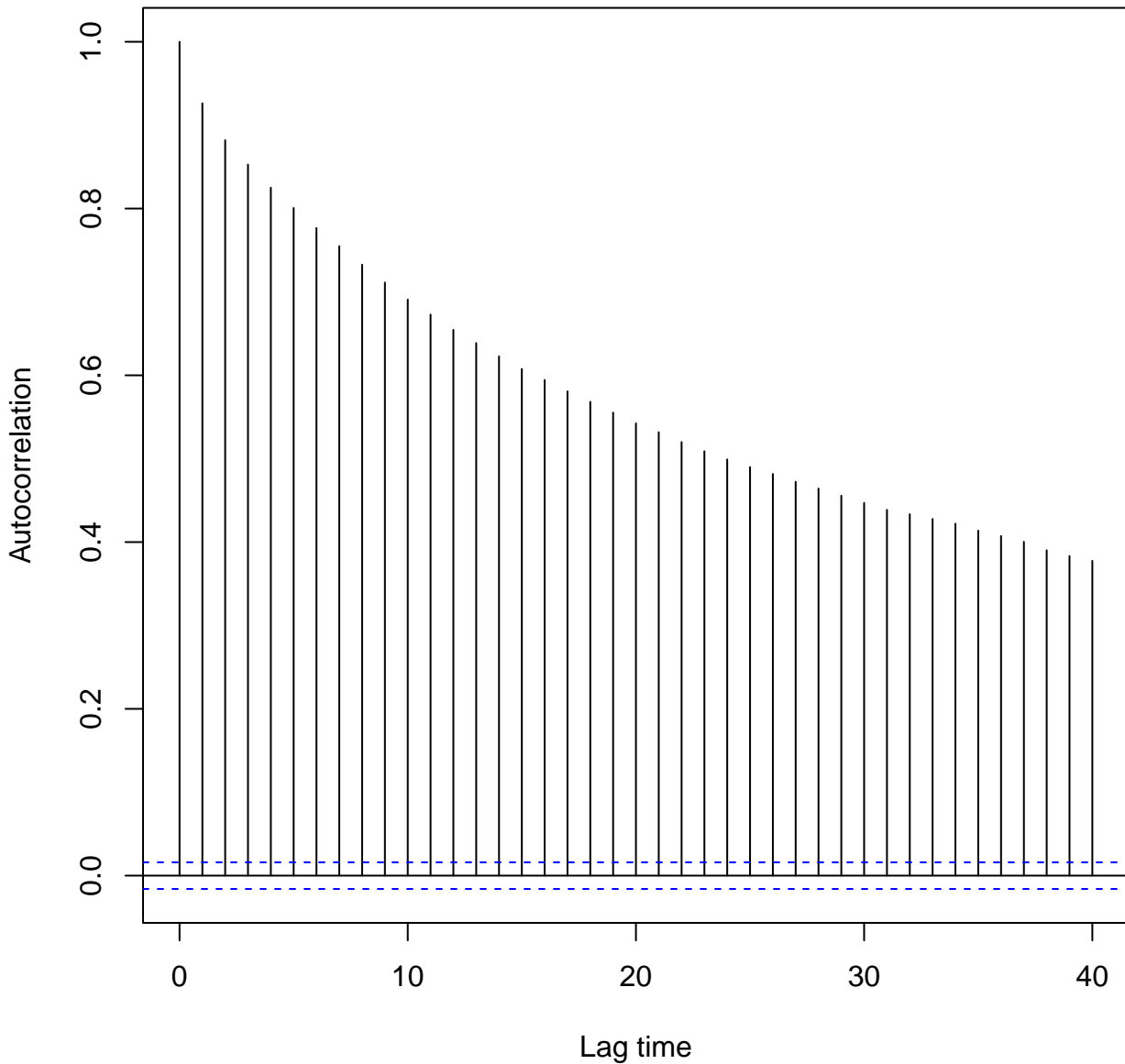
# Mutation E GAA Mixture: 1



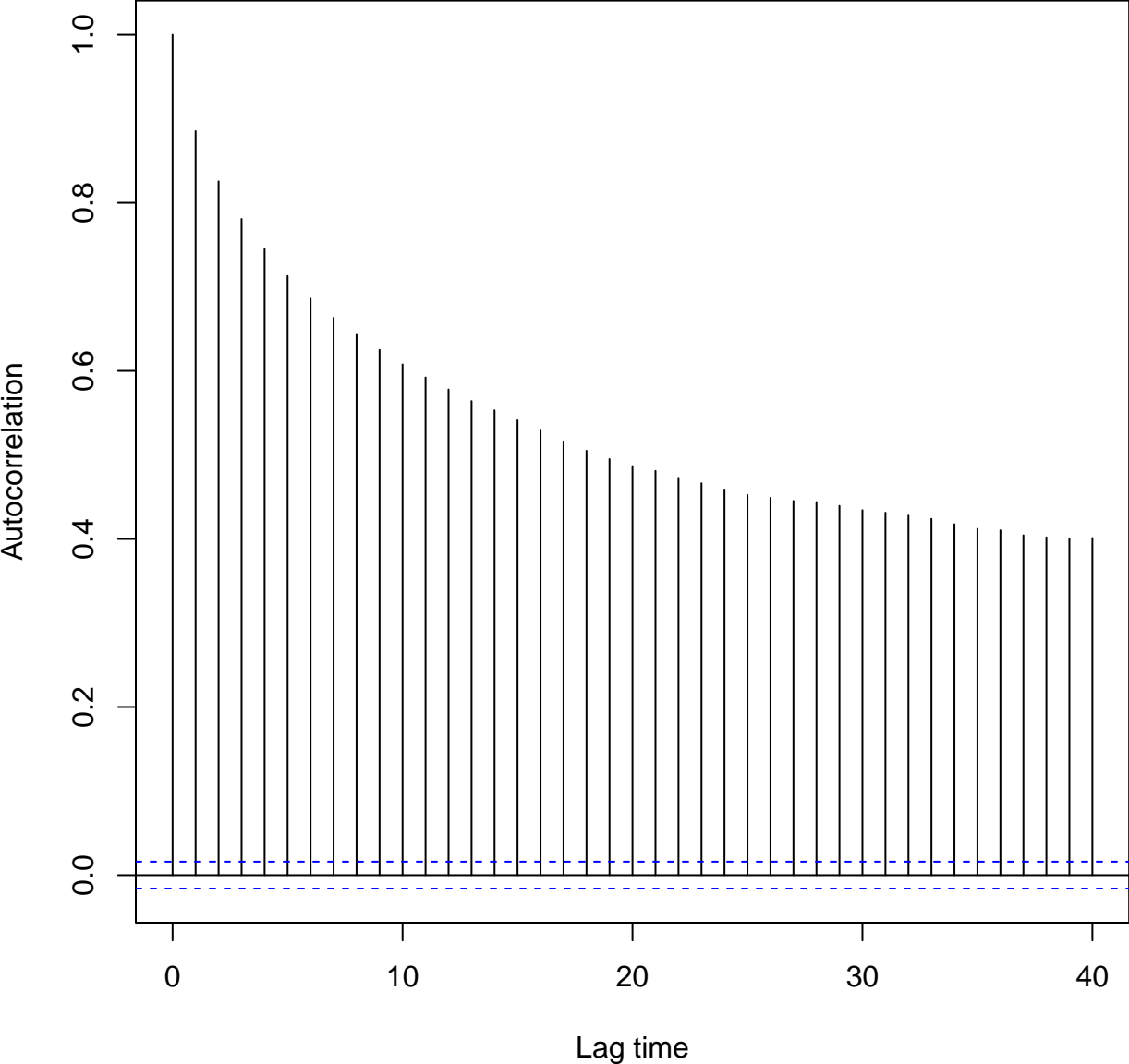
# Mutation F TTC Mixture: 1



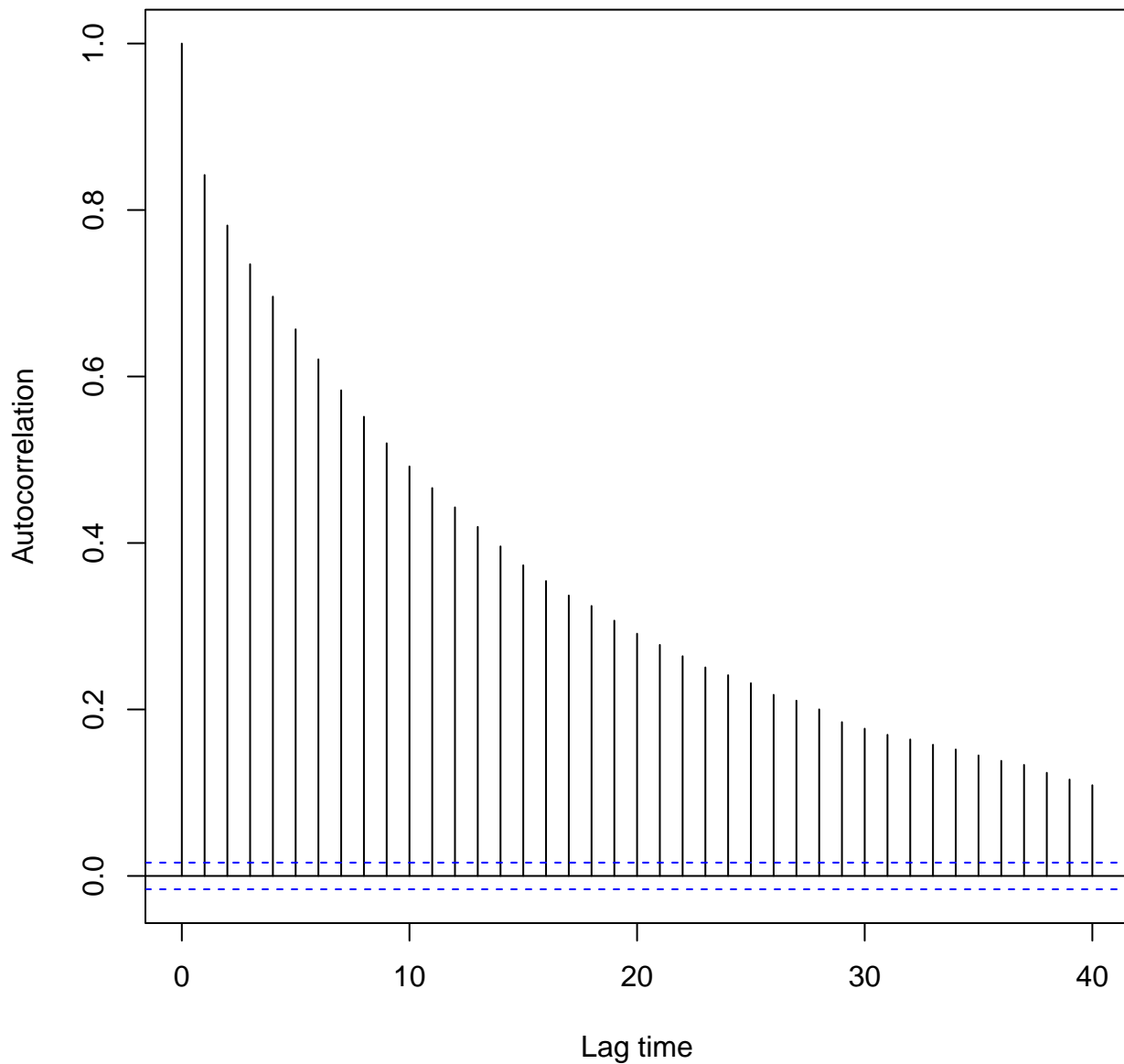
# Mutation G GGA Mixture: 1



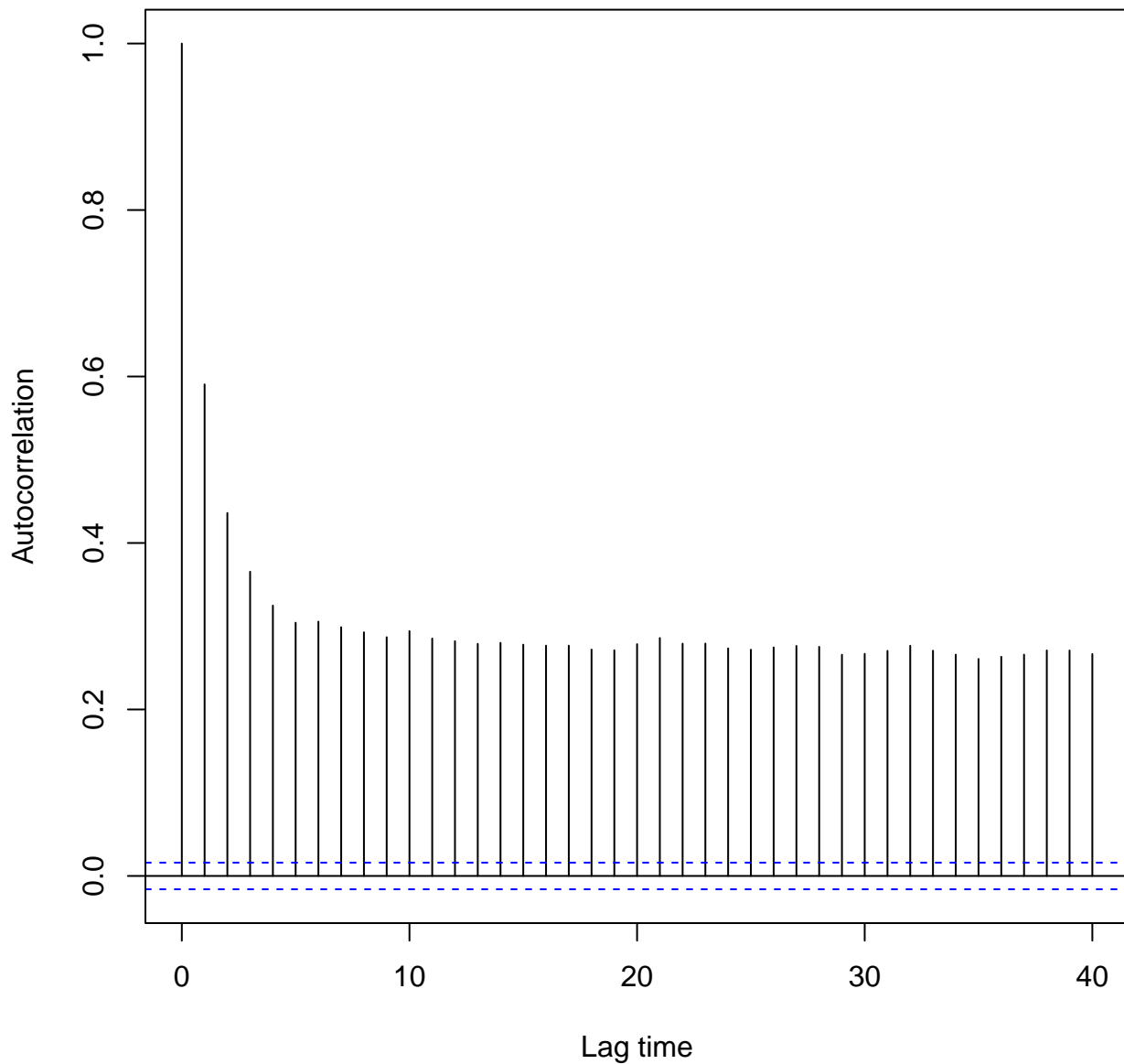
**Mutation G GGC Mixture: 1**



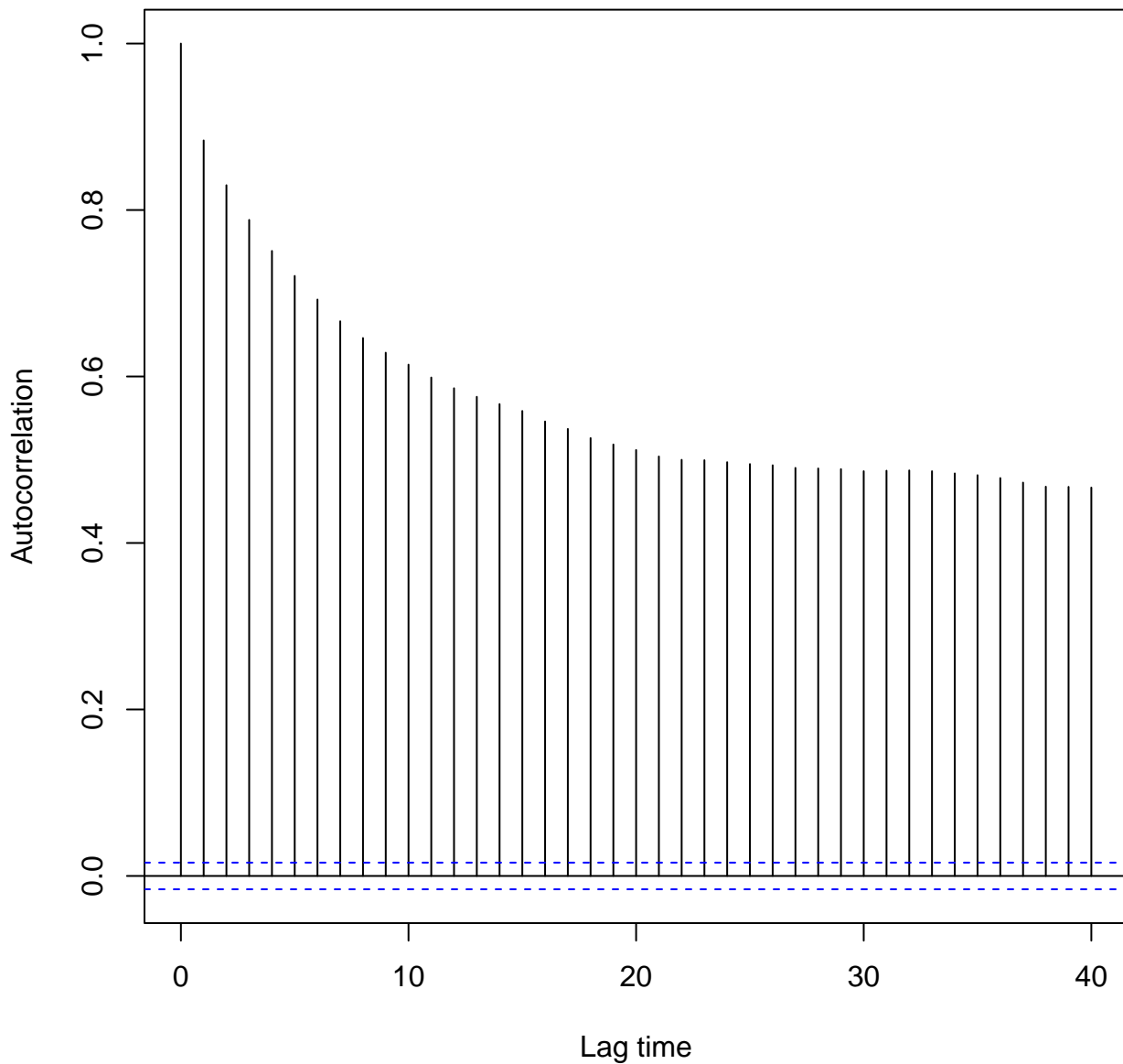
# Mutation G GGG Mixture: 1



# Mutation H CAC Mixture: 1

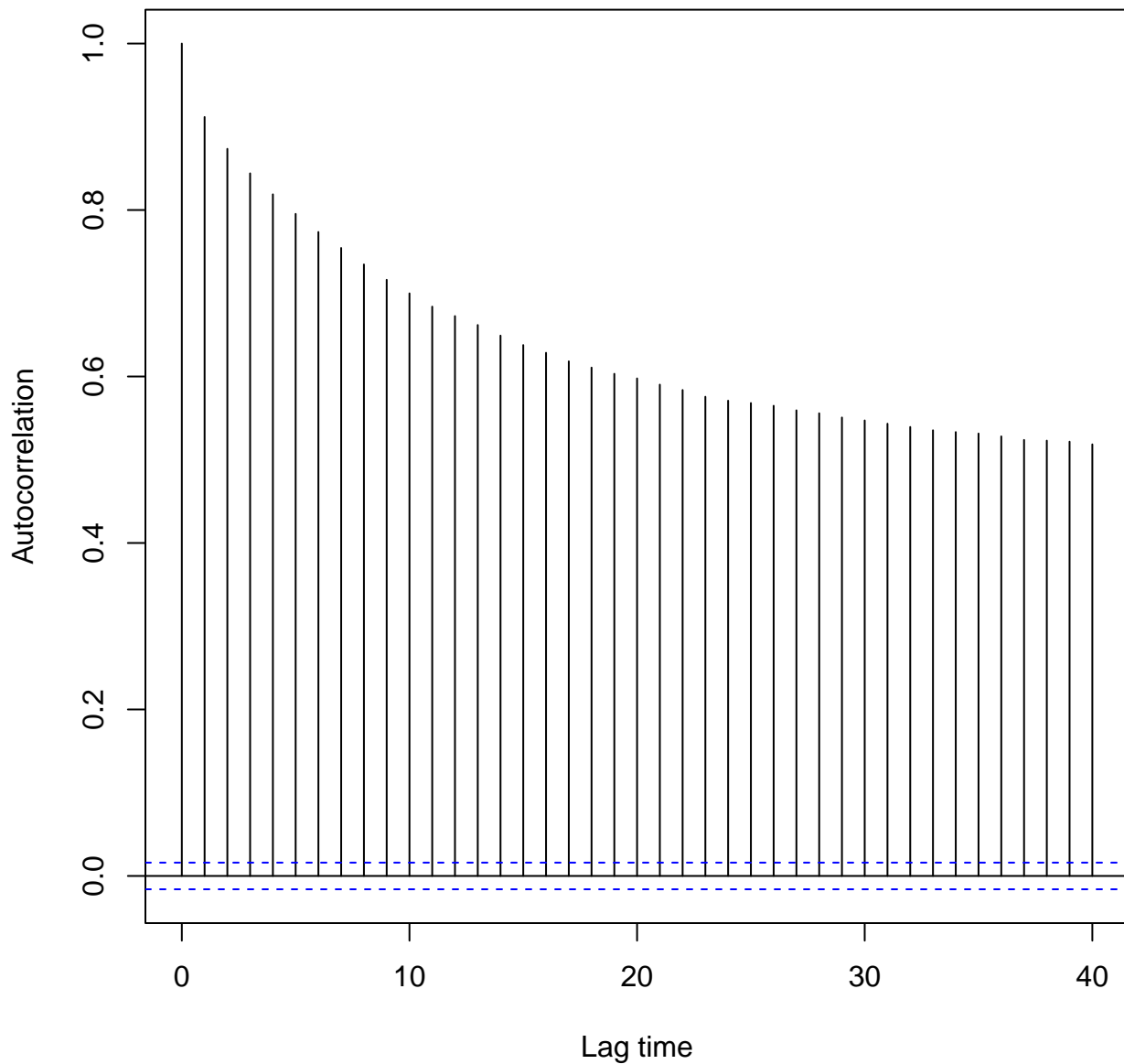


# Mutation I ATA Mixture: 1

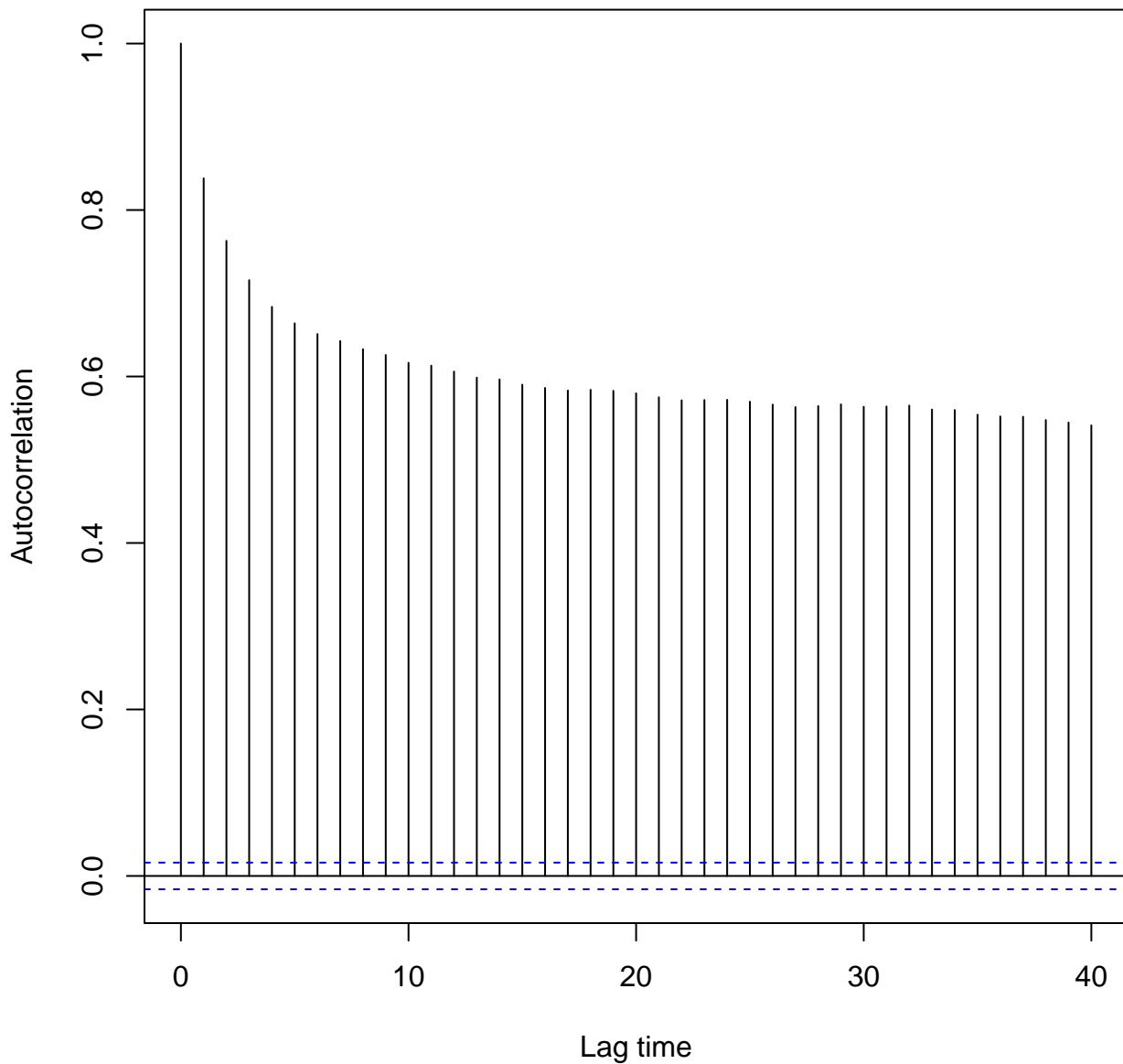




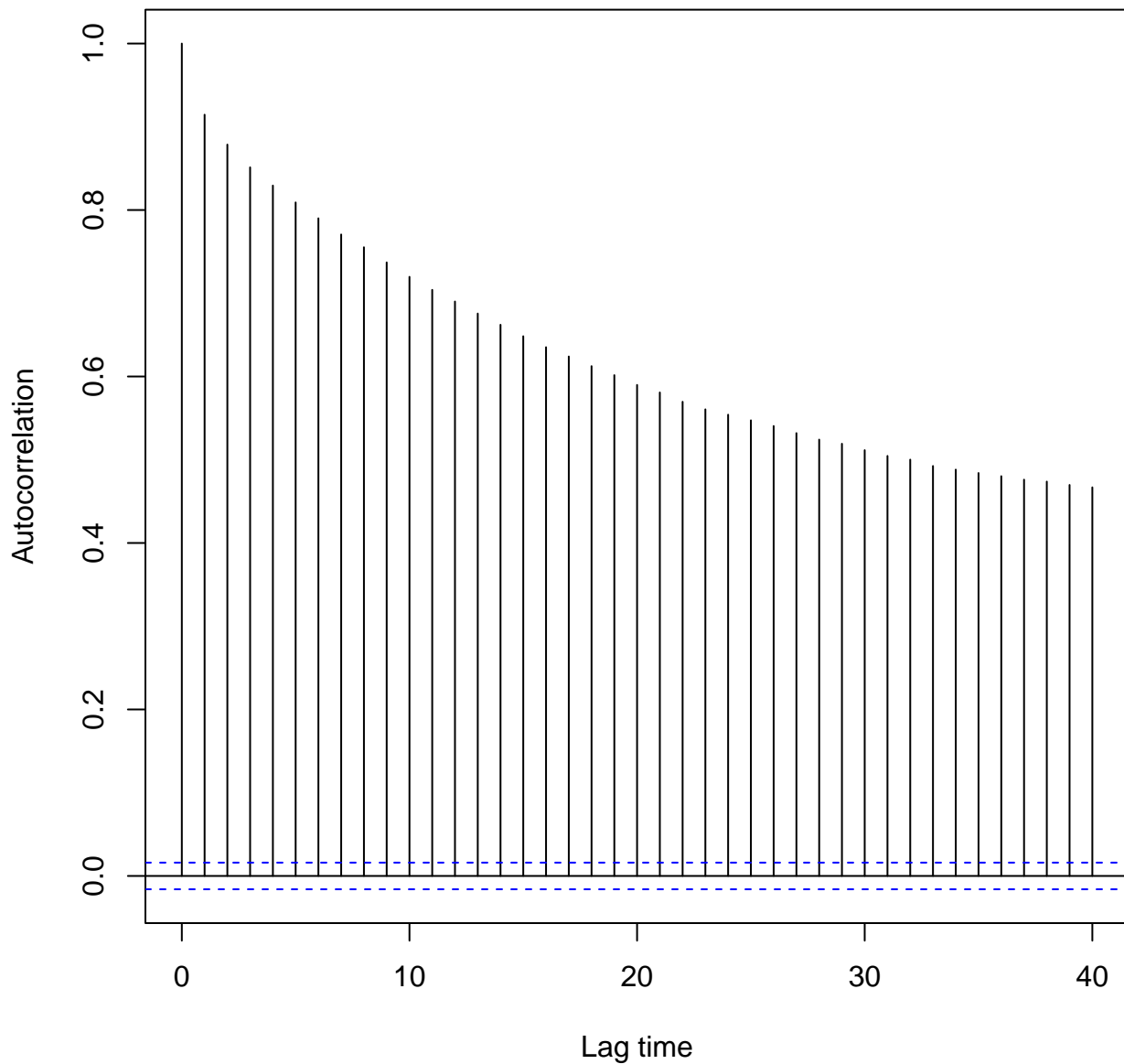
# Mutation I ATC Mixture: 1



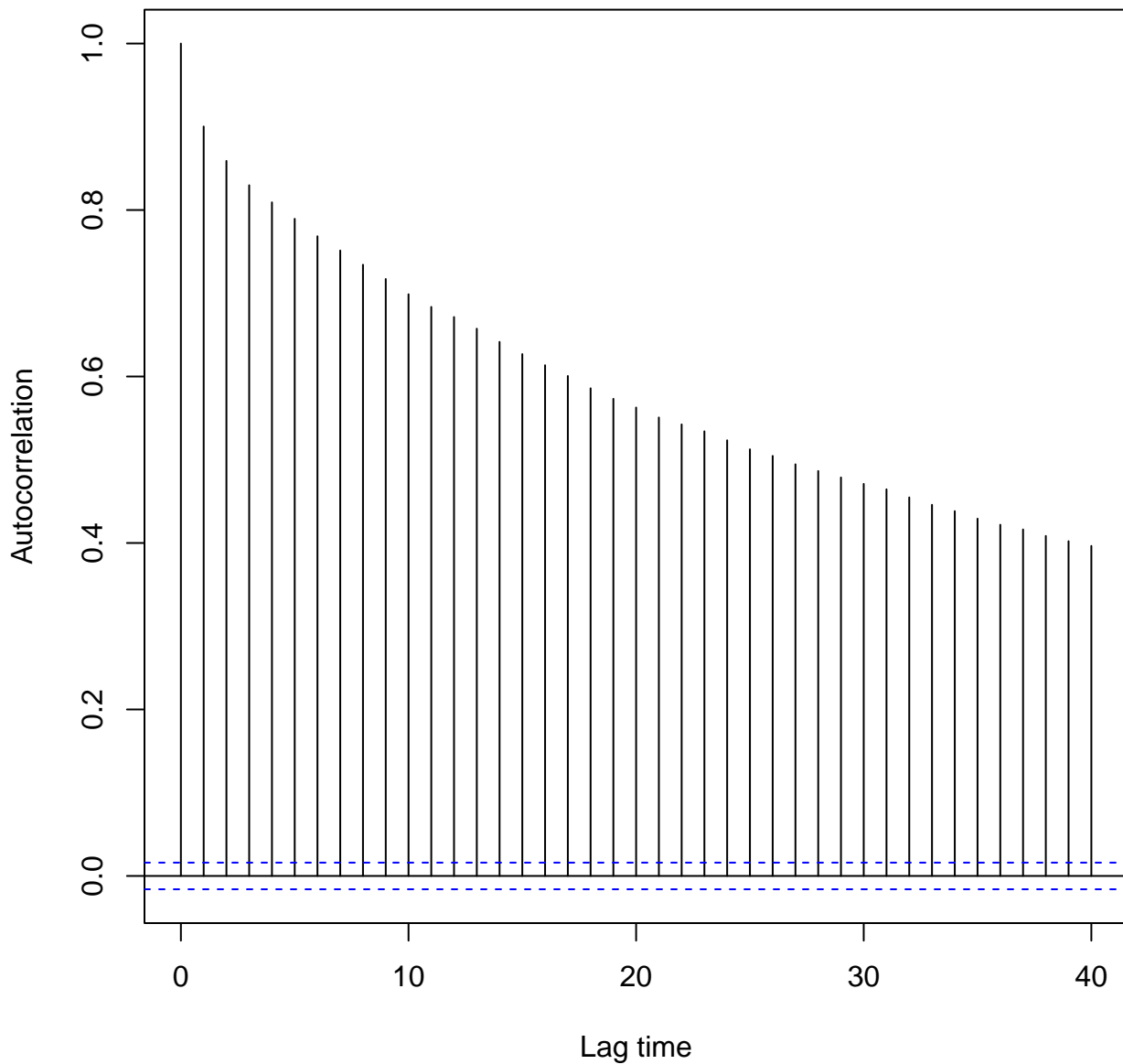
# Mutation K AAA Mixture: 1



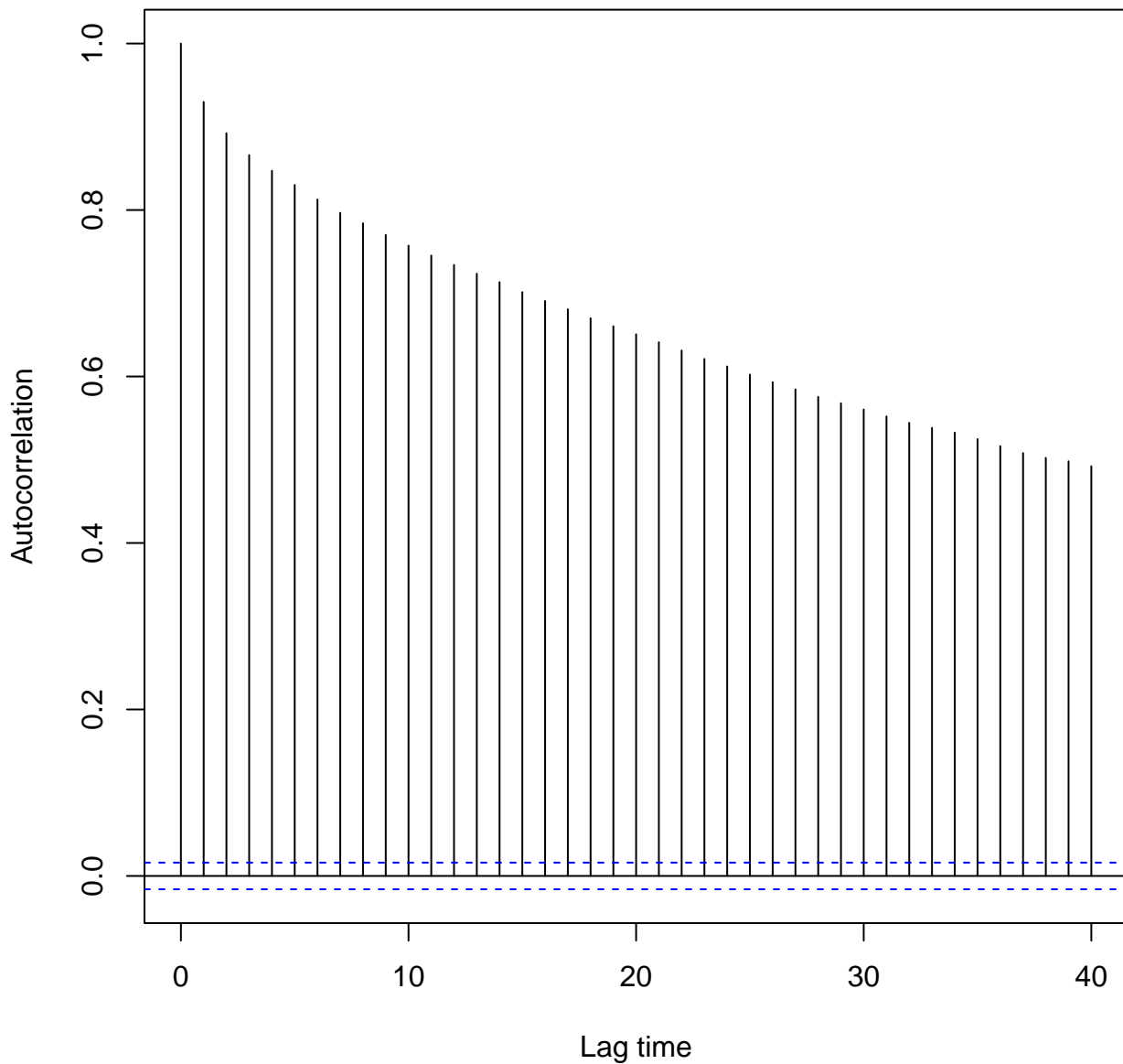
# Mutation L CTA Mixture: 1



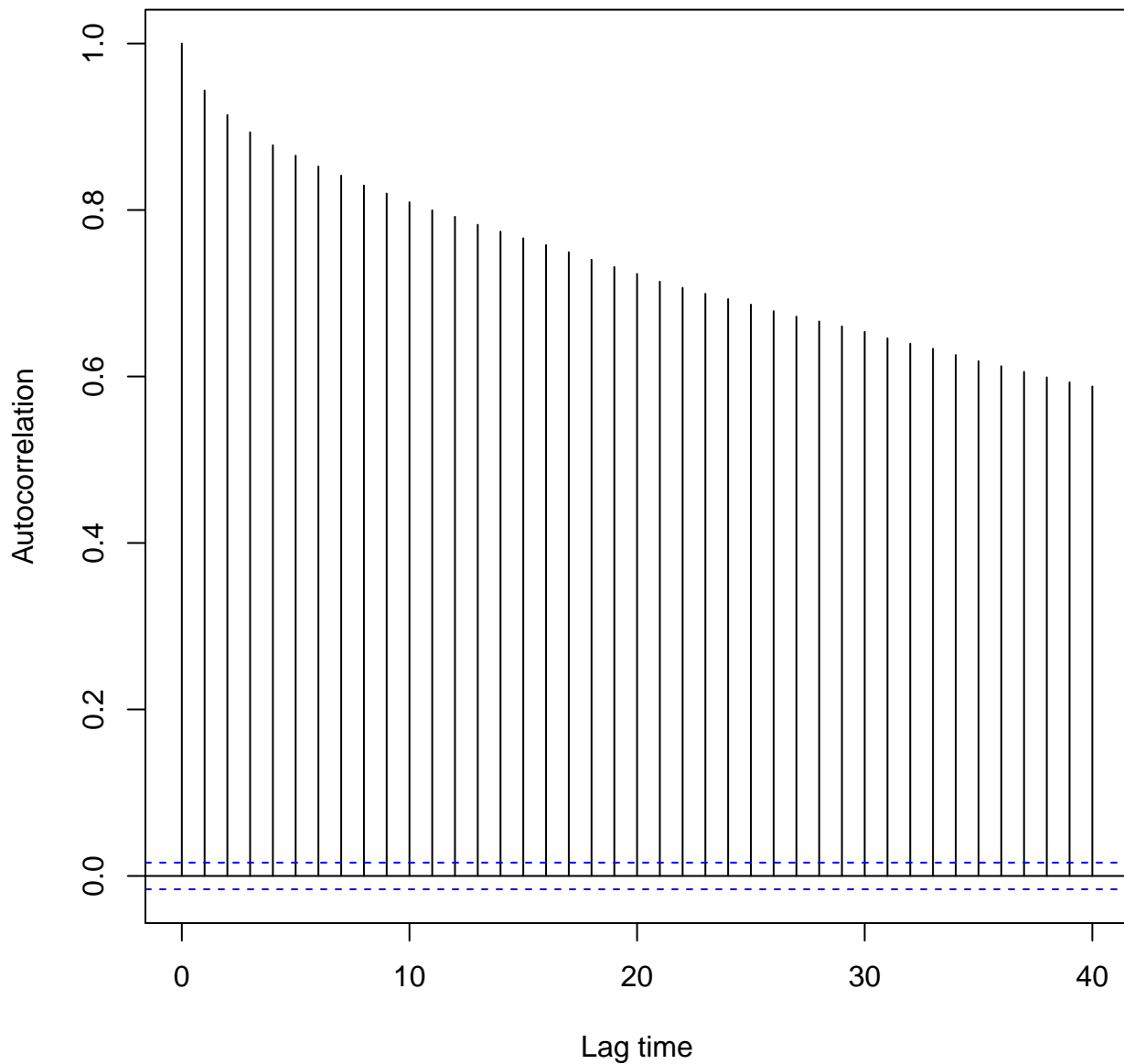
# Mutation L CTC Mixture: 1



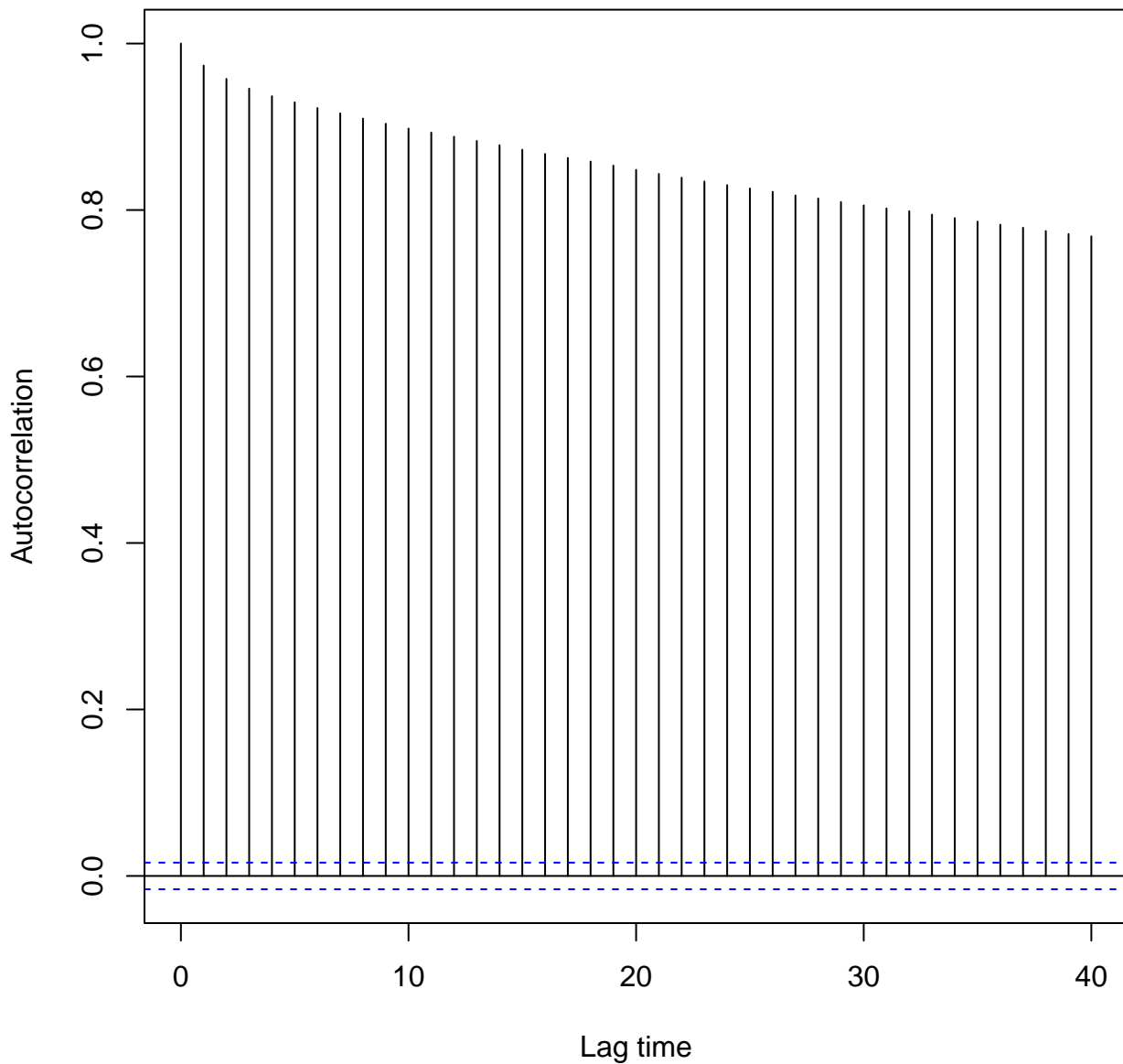
# Mutation L CTG Mixture: 1



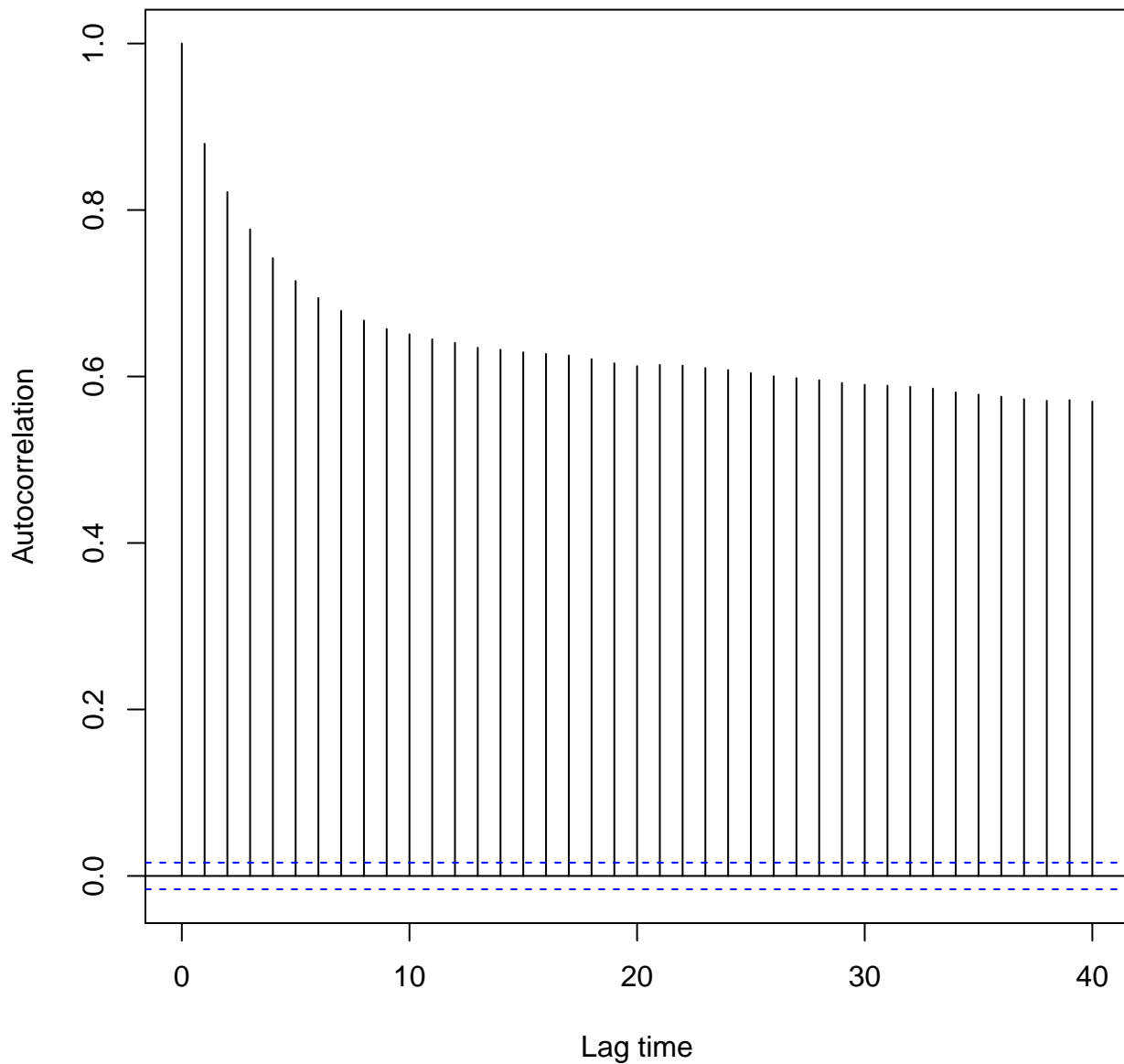
# Mutation L CTT Mixture: 1



# Mutation L TTA Mixture: 1

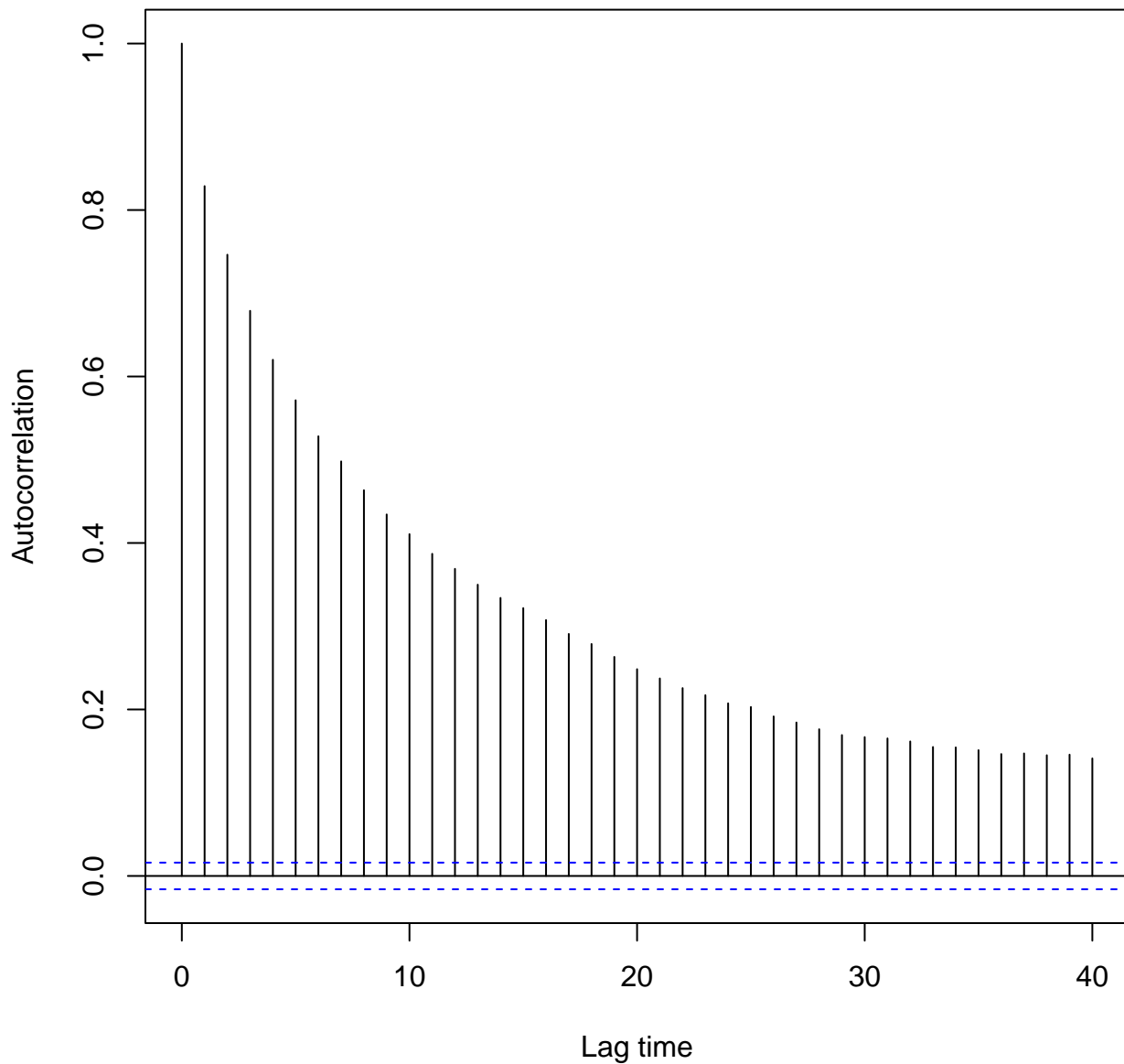


# Mutation N AAC Mixture: 1

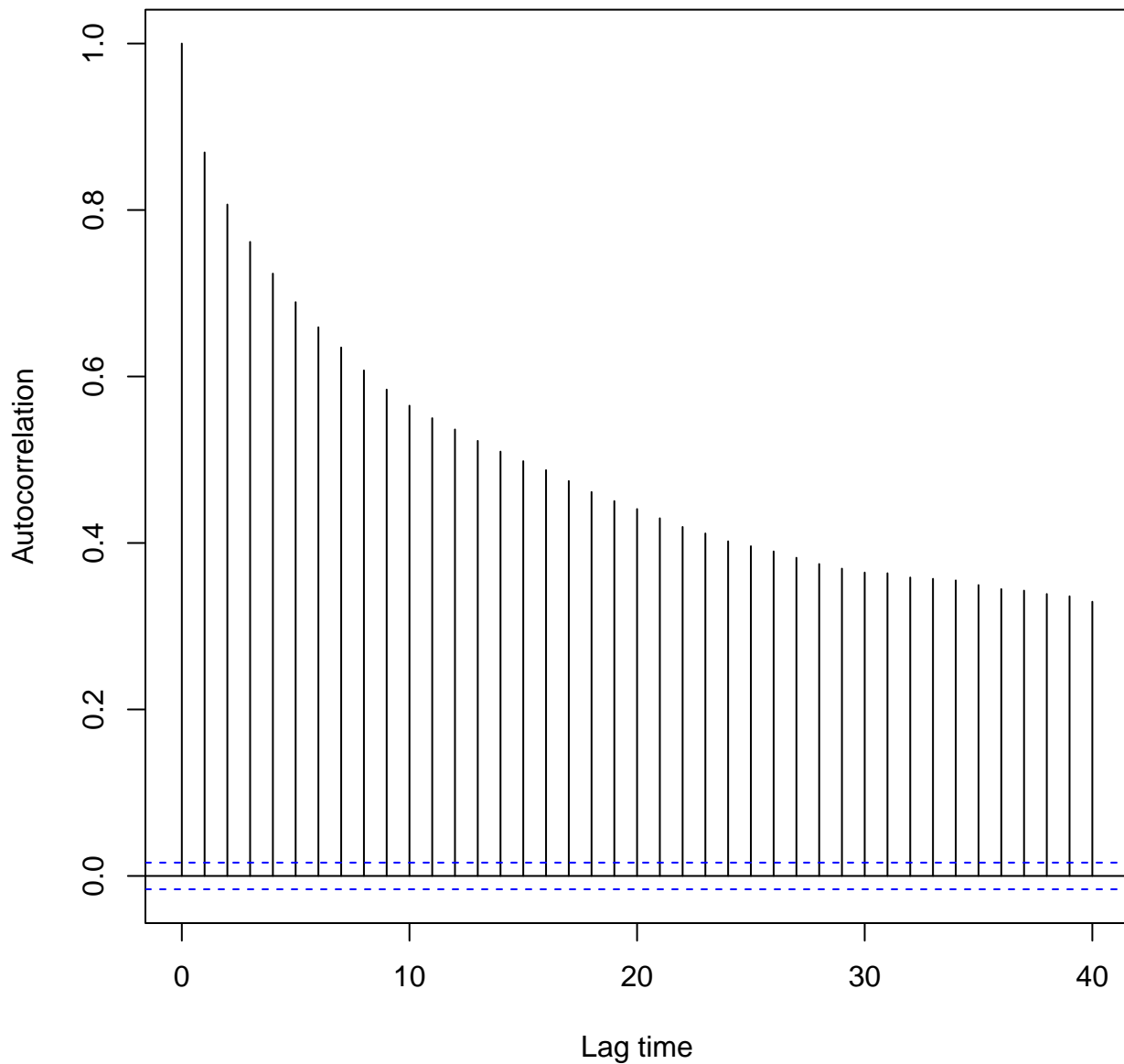




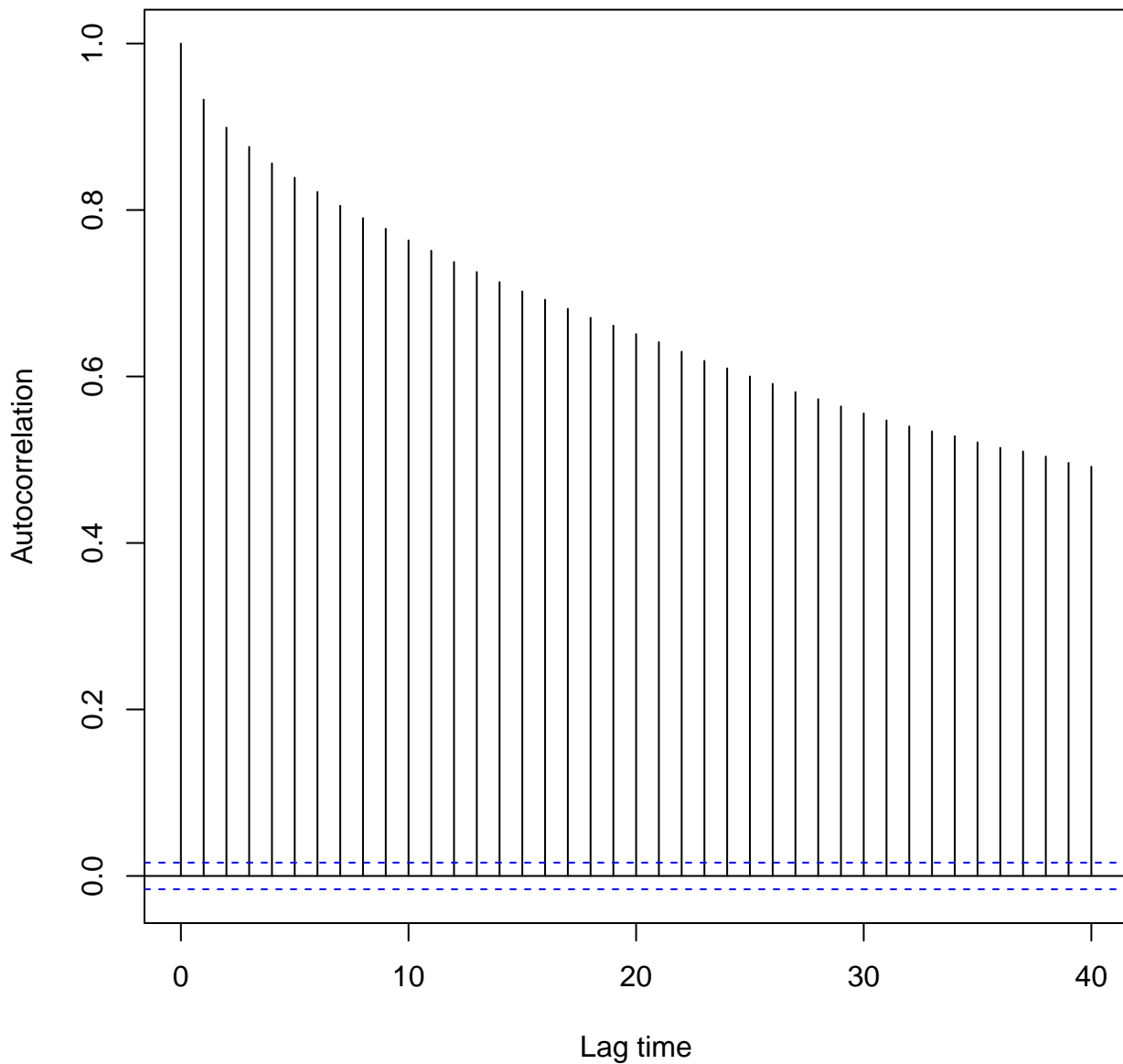
# Mutation P CCA Mixture: 1



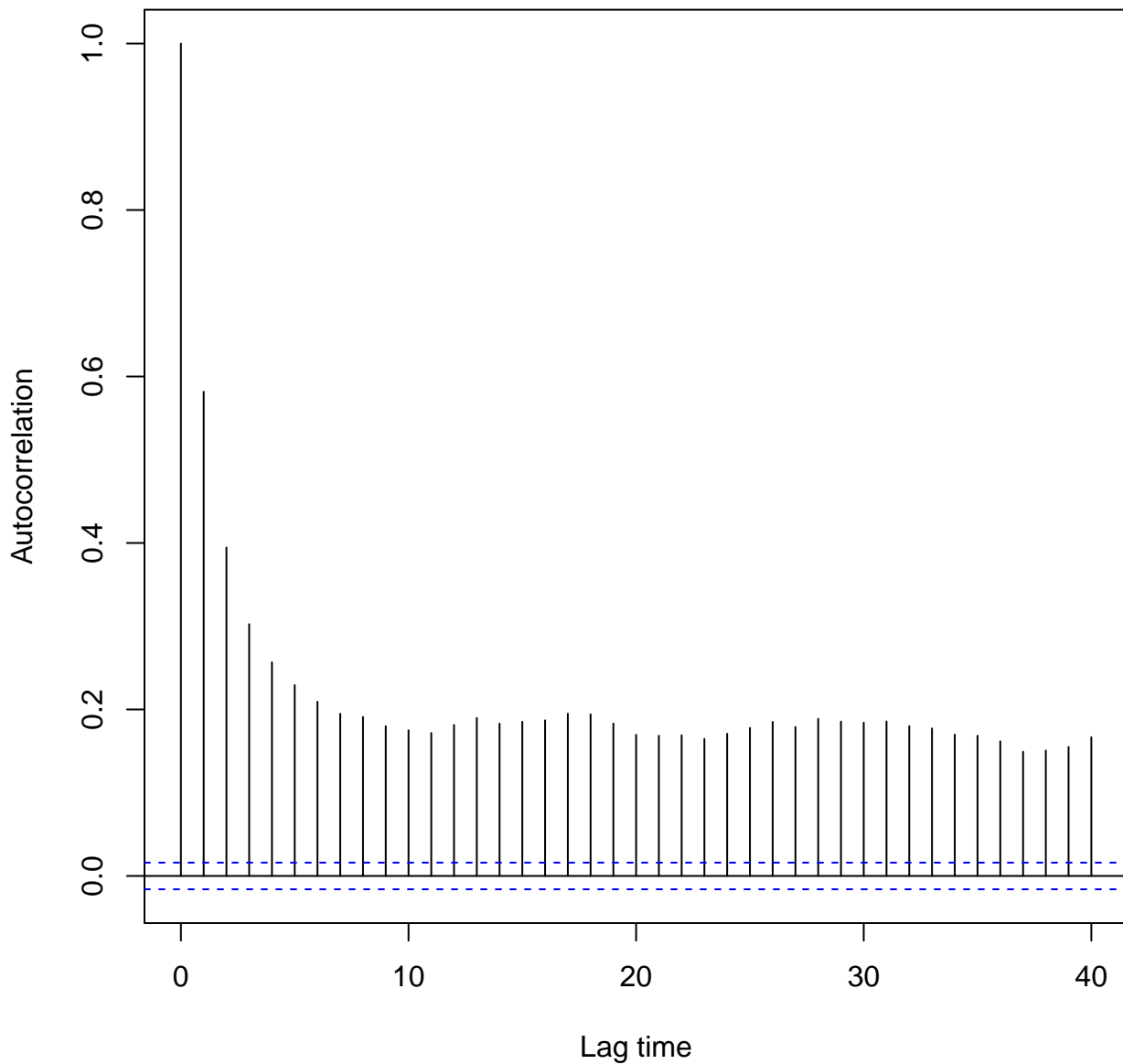
# Mutation P CCC Mixture: 1



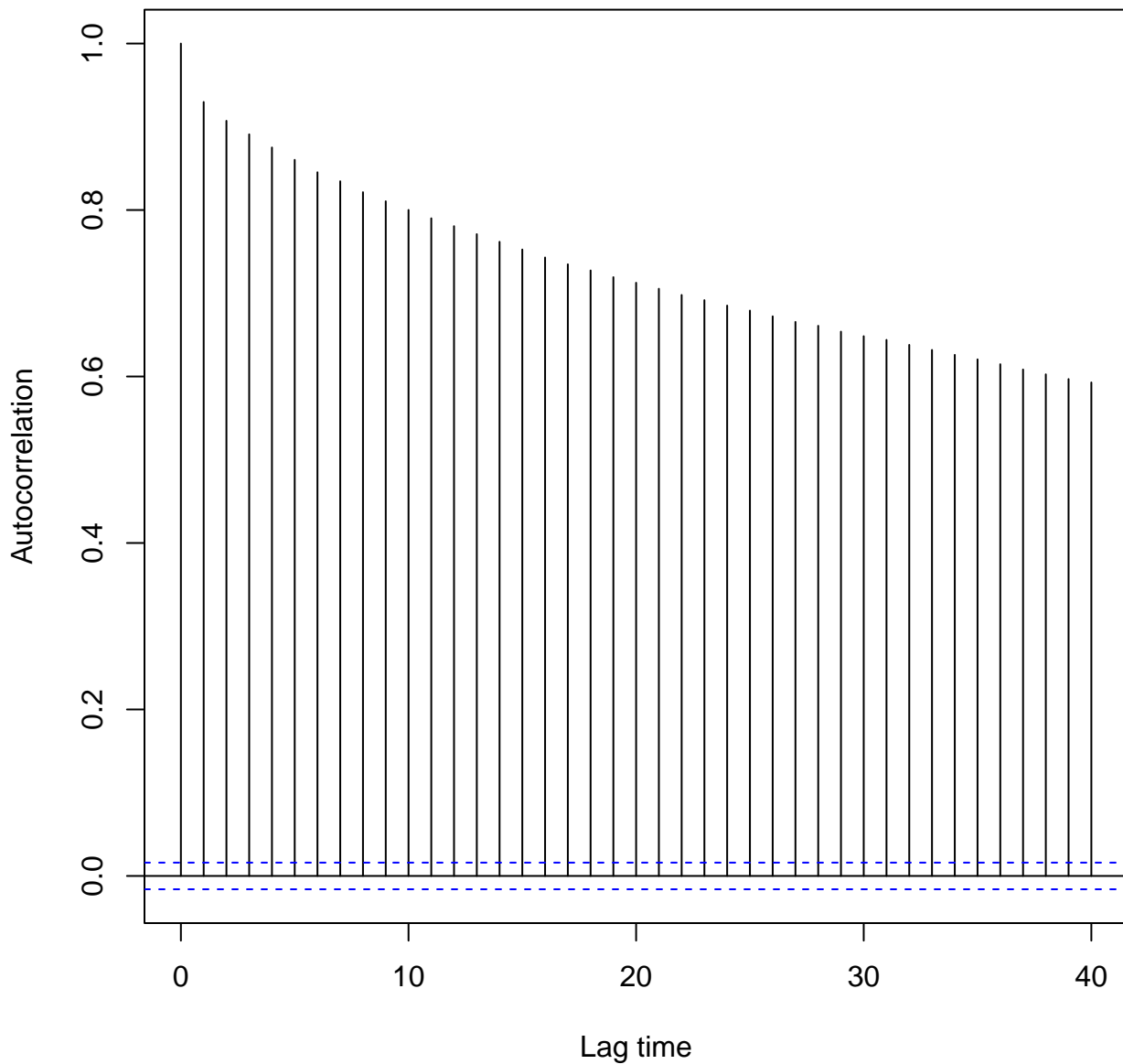
# Mutation P CCG Mixture: 1



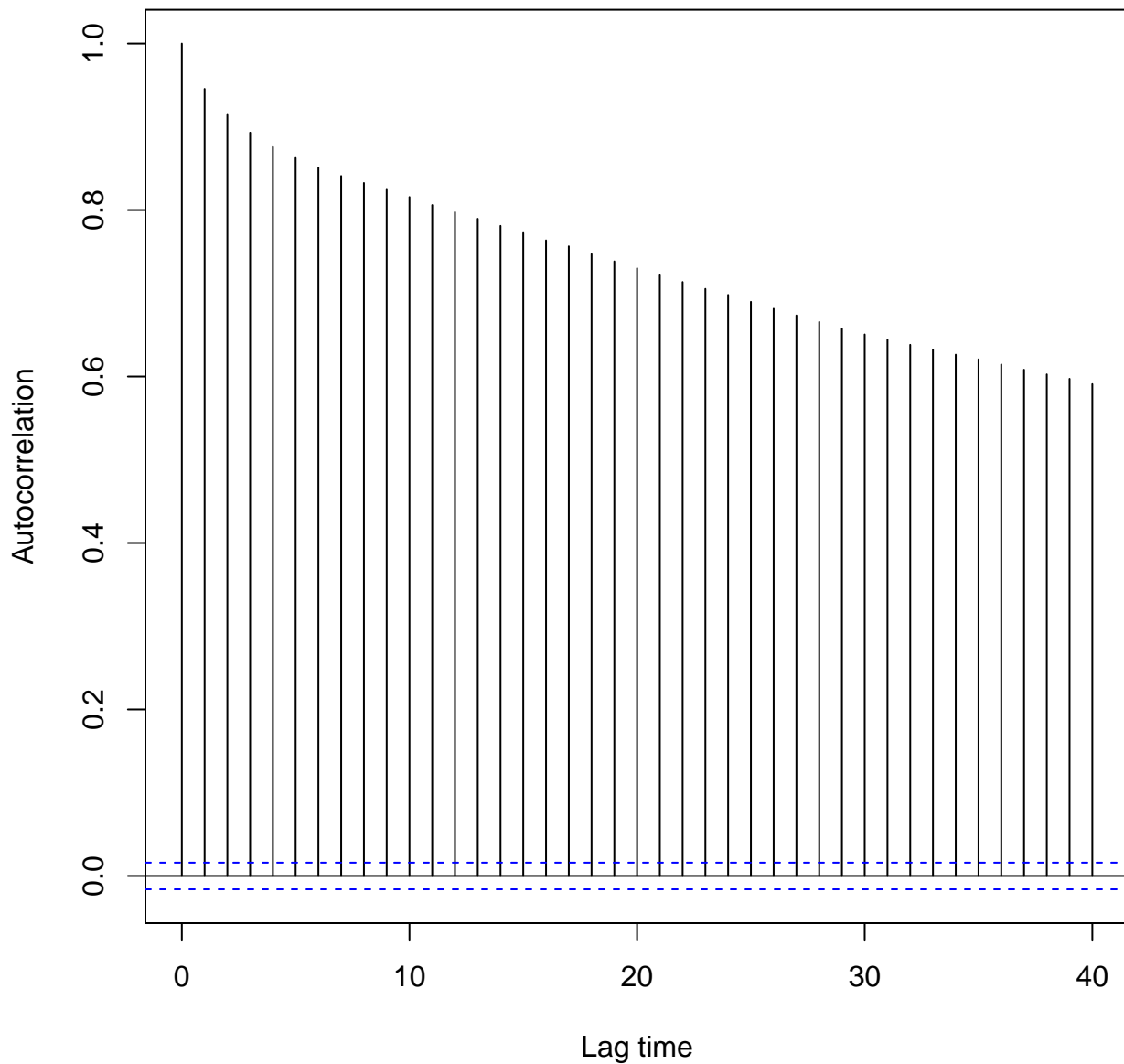
# Mutation Q CAA Mixture: 1



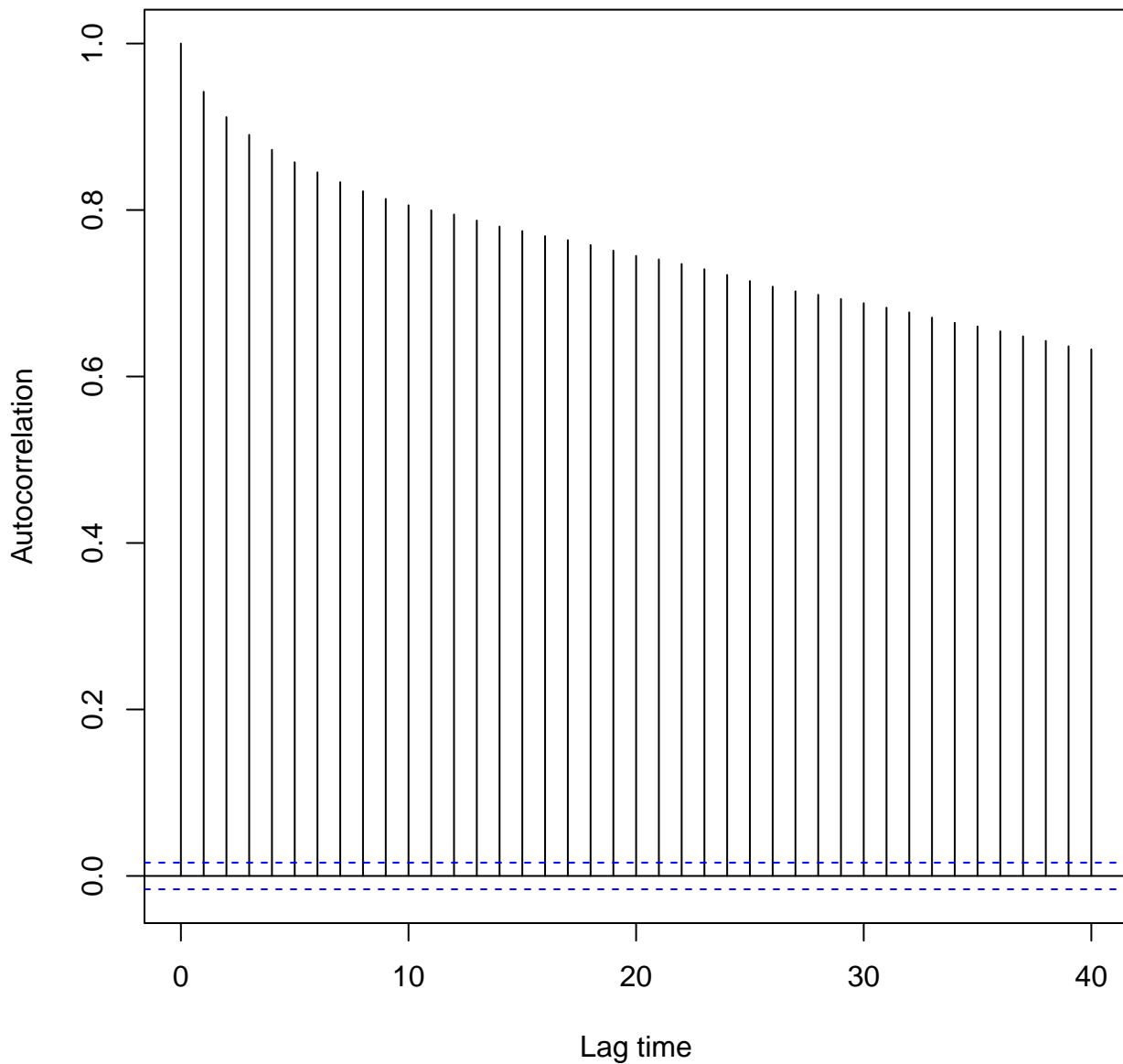
# Mutation R AGA Mixture: 1



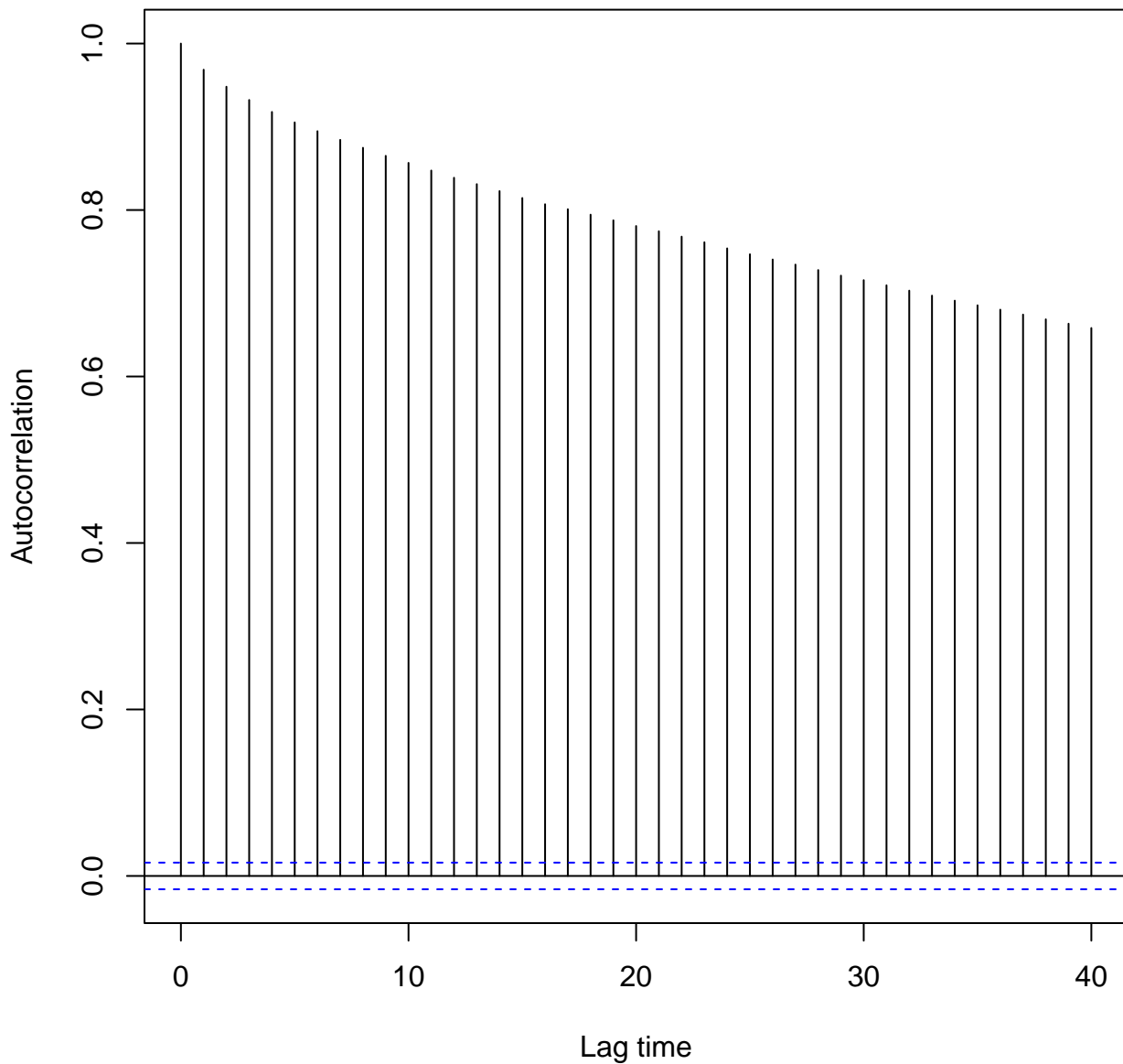
# Mutation R AGG Mixture: 1



# Mutation R CGA Mixture: 1

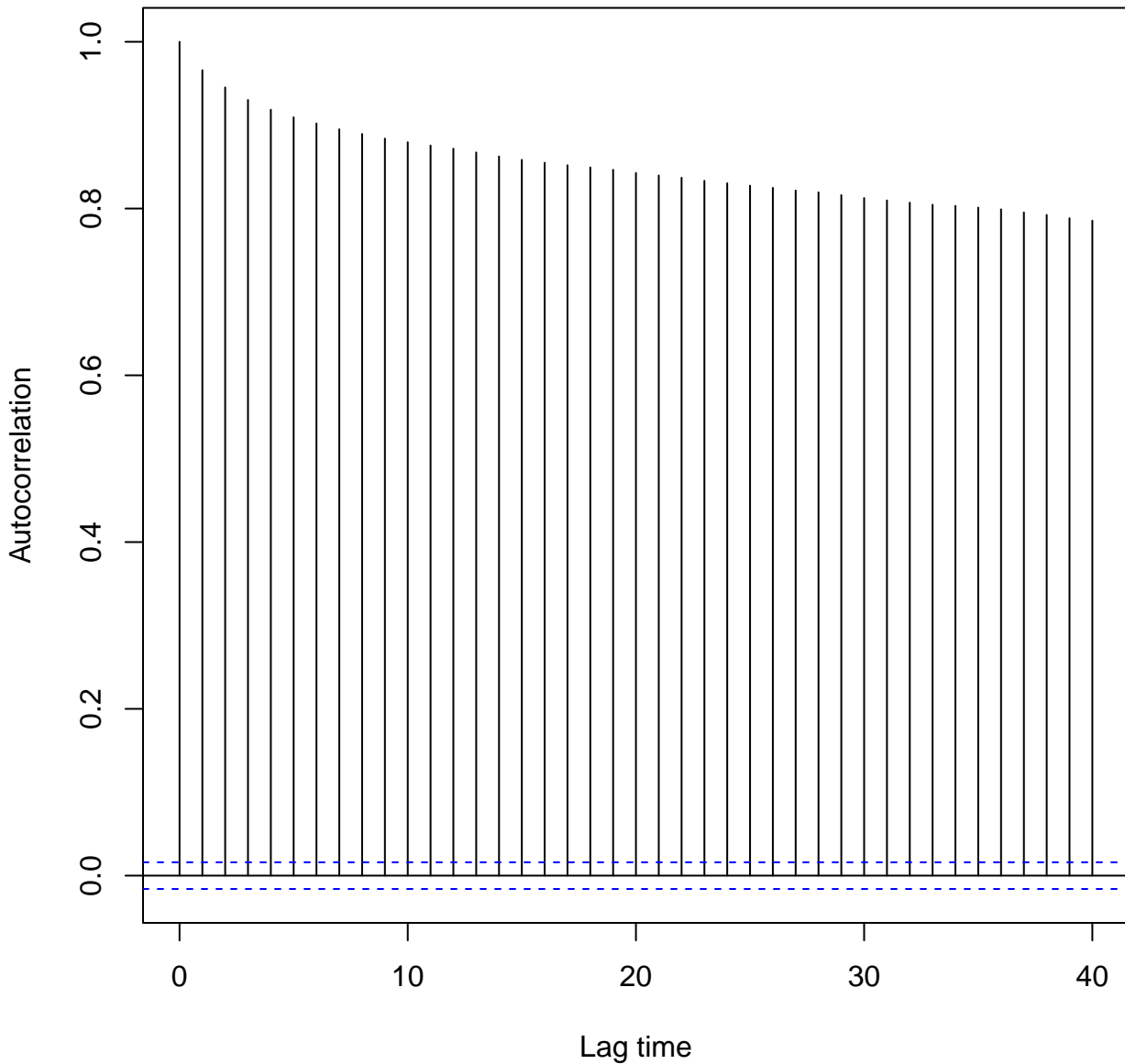


# Mutation R CGC Mixture: 1

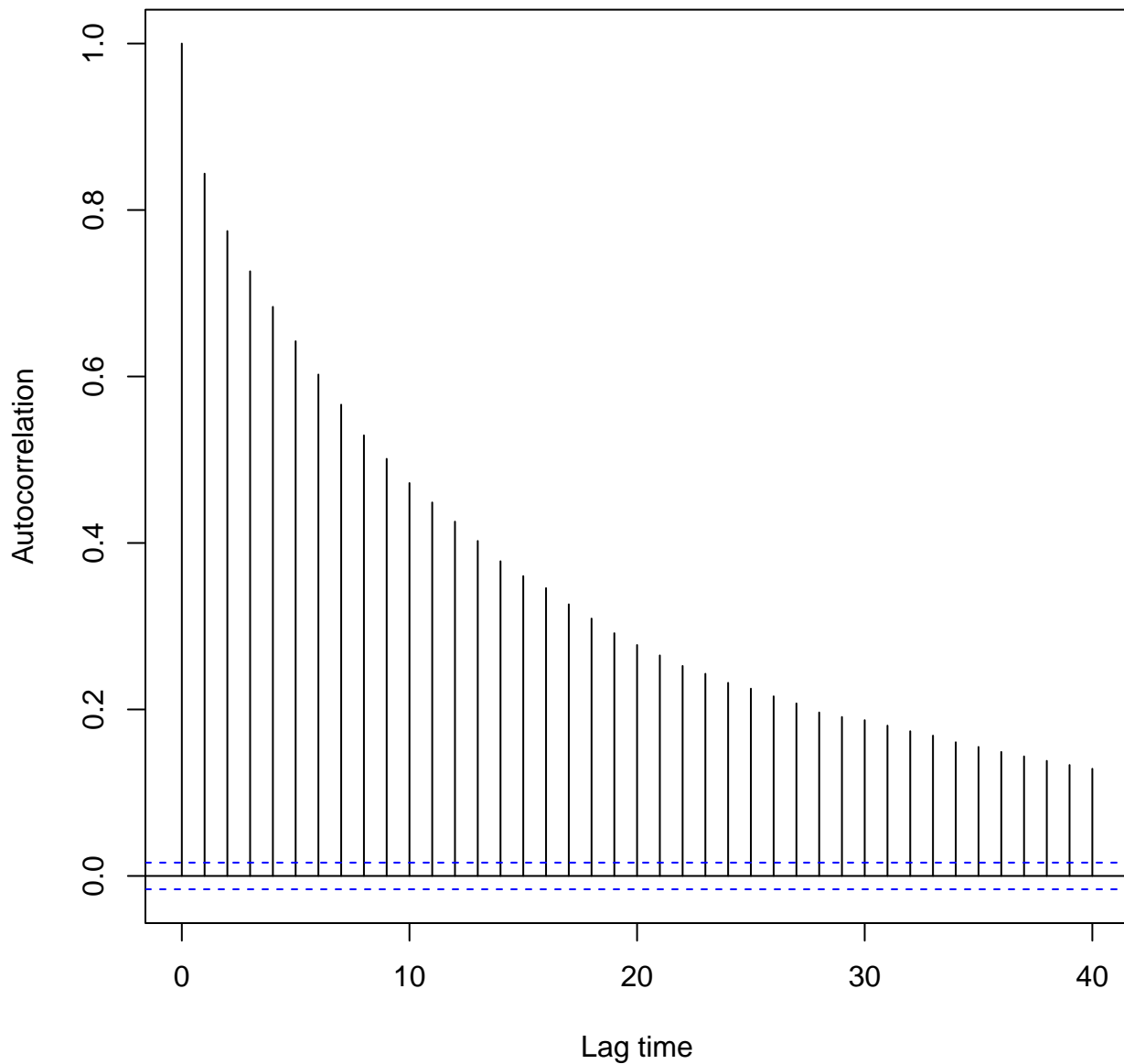




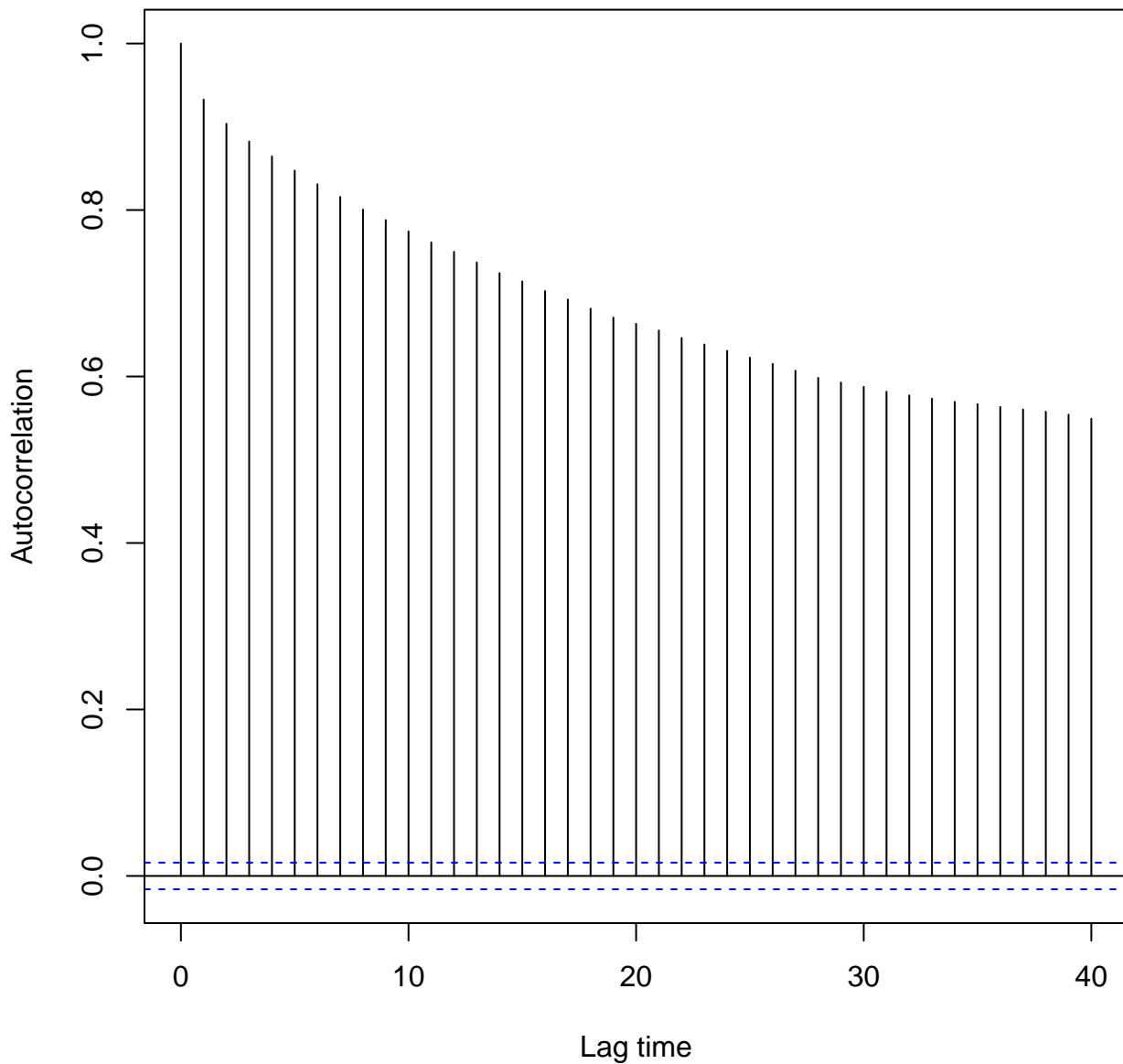
# Mutation R CGG Mixture: 1



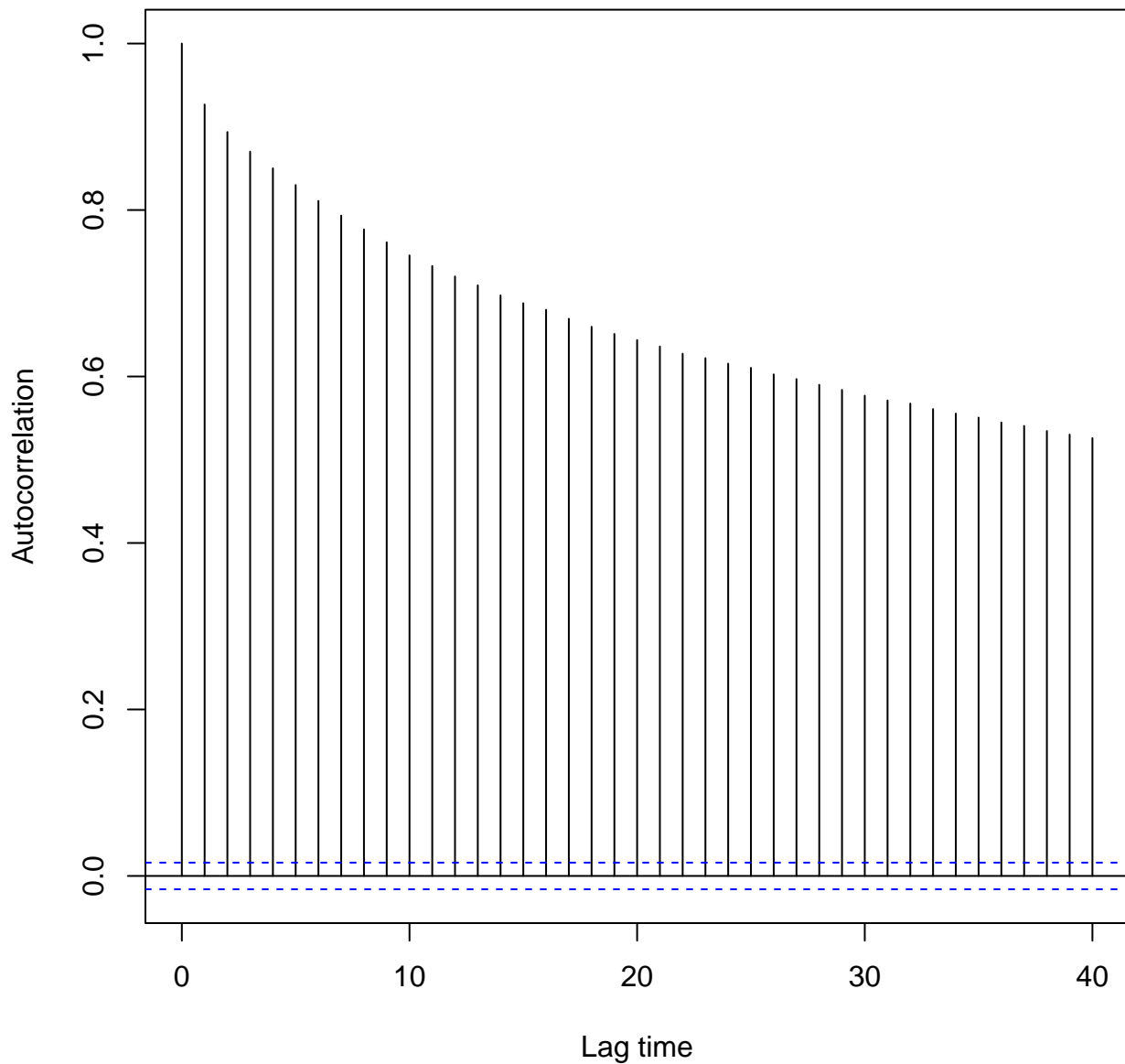
# Mutation S TCA Mixture: 1



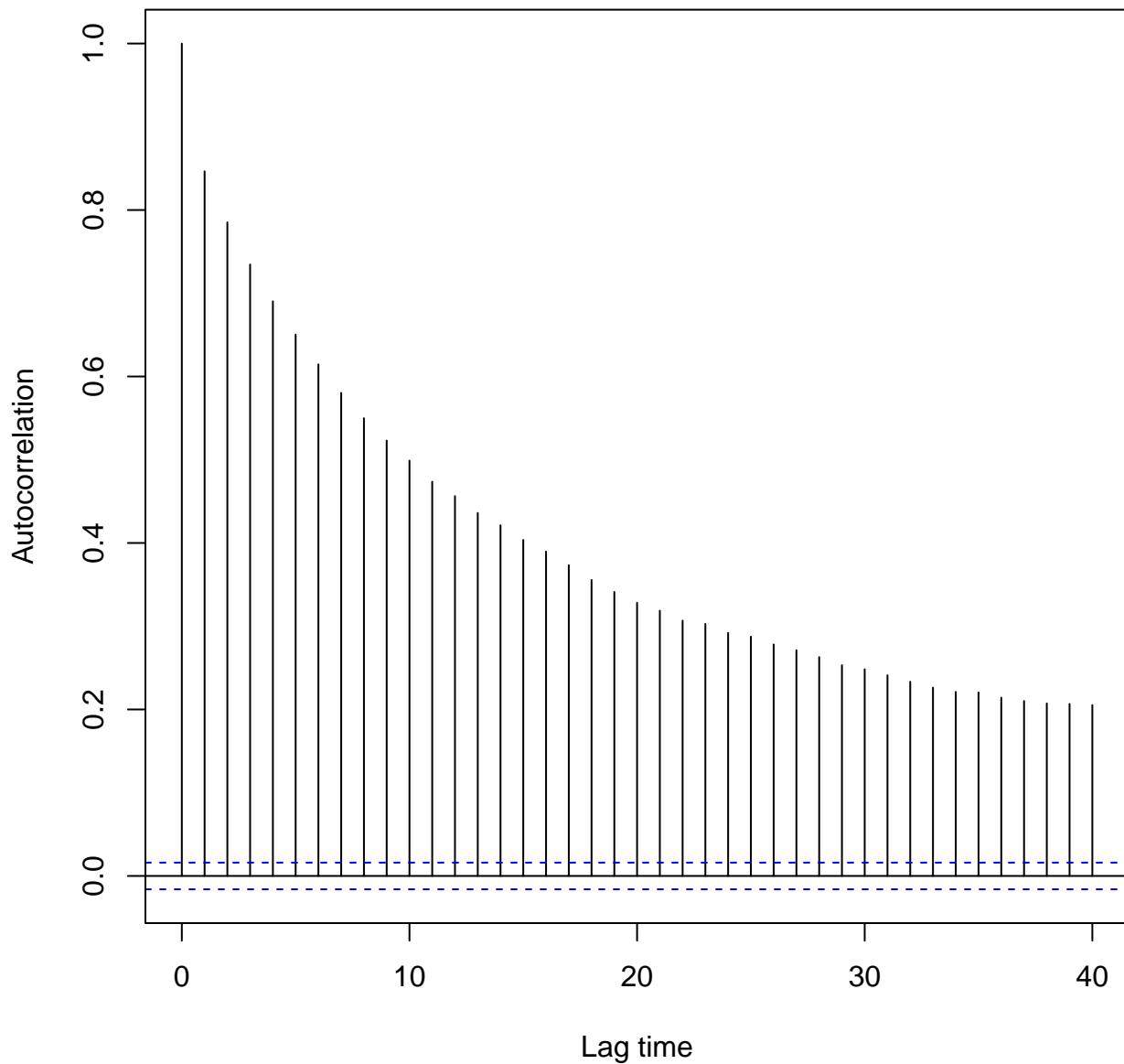
# Mutation S TCC Mixture: 1



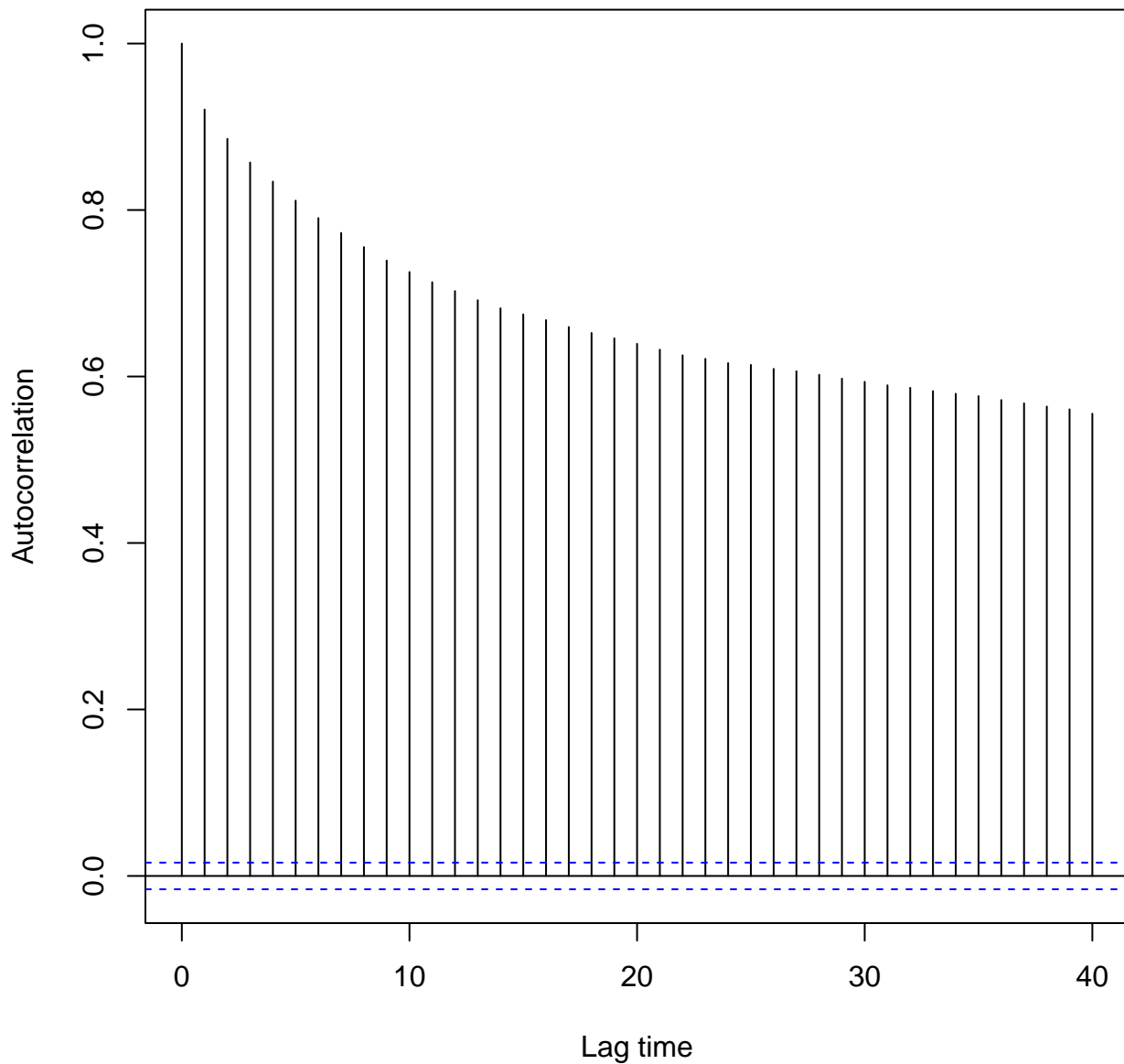
# Mutation S TCG Mixture: 1



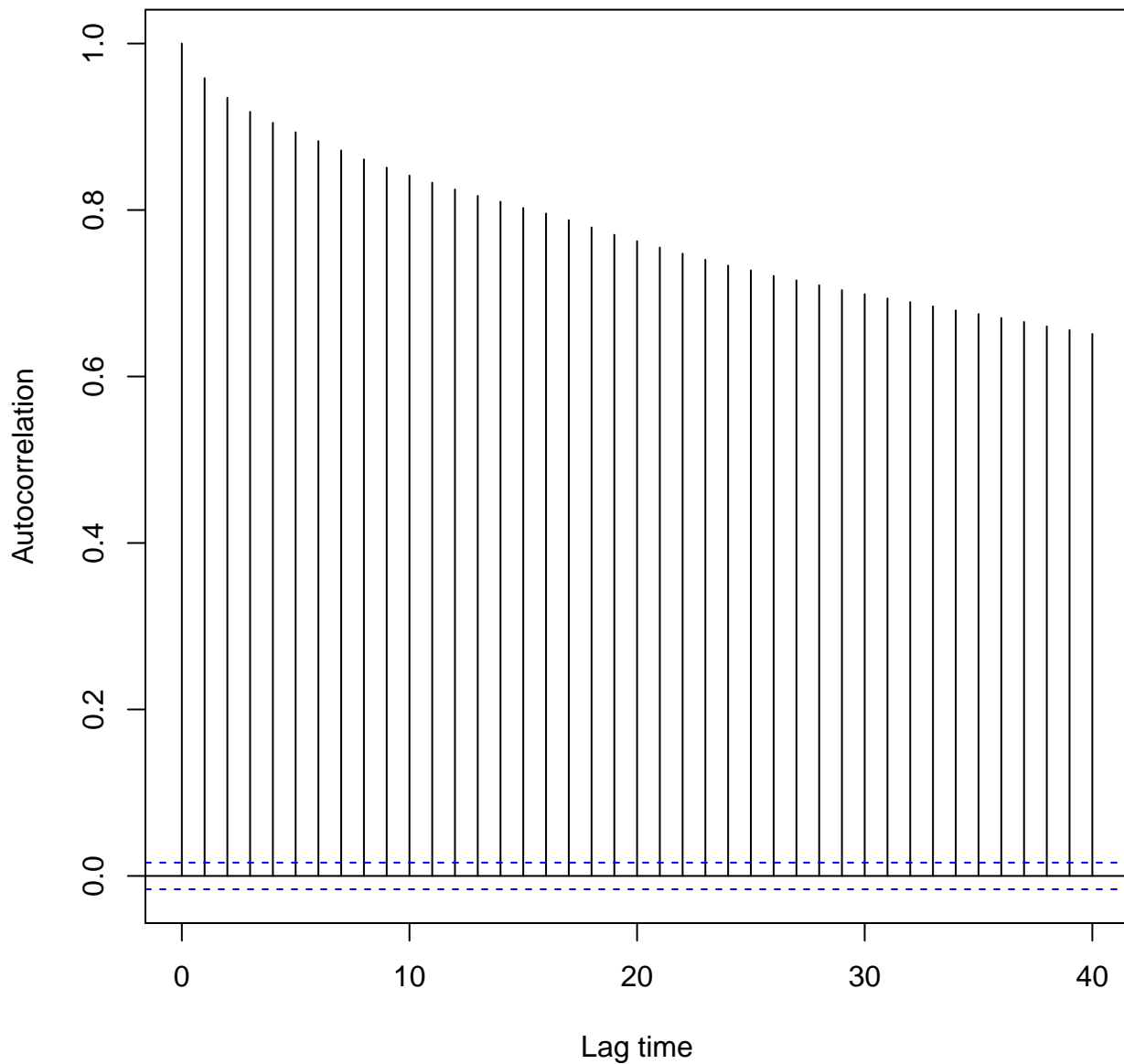
# Mutation T ACA Mixture: 1



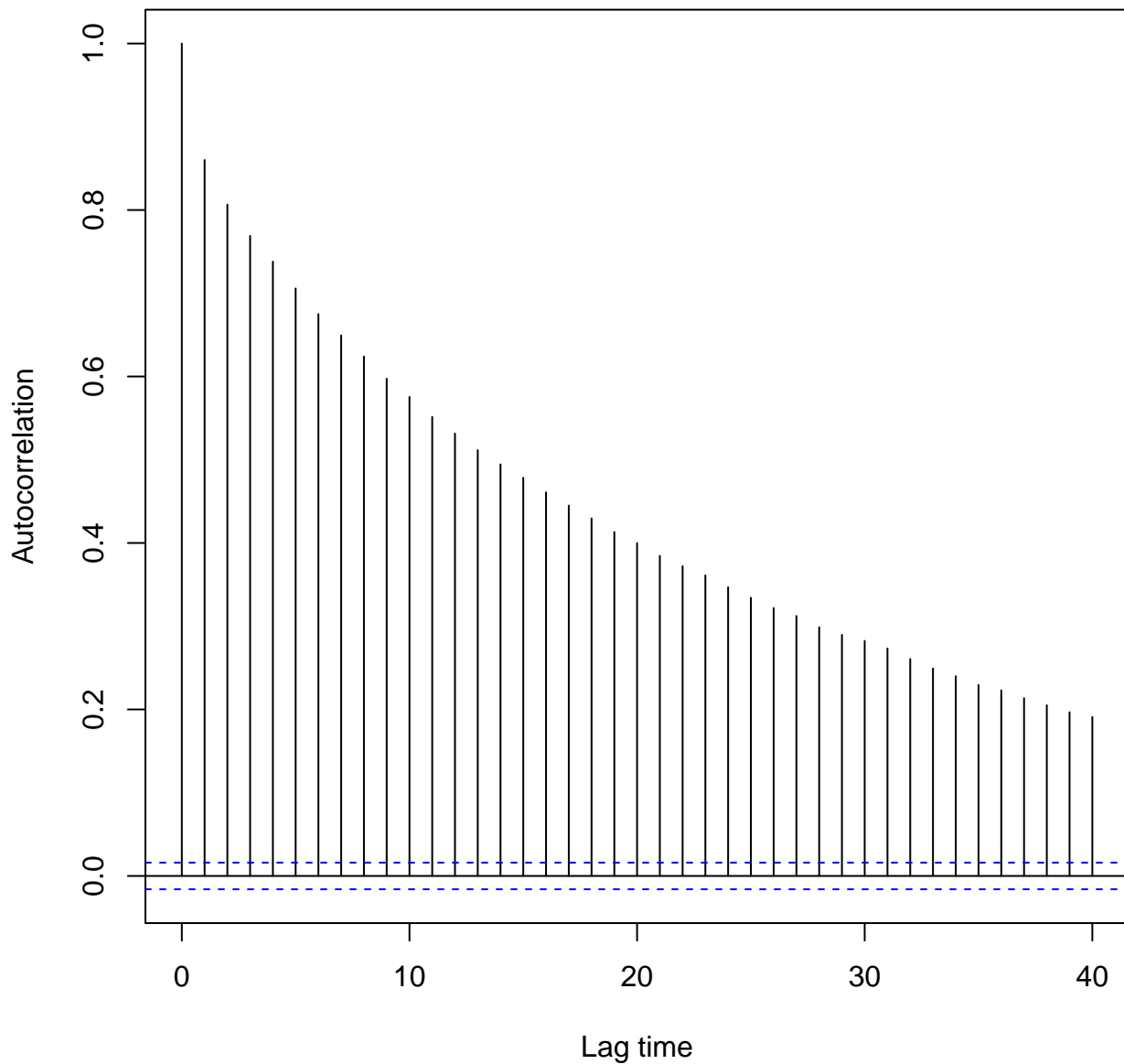
# Mutation T ACC Mixture: 1



# Mutation T ACG Mixture: 1

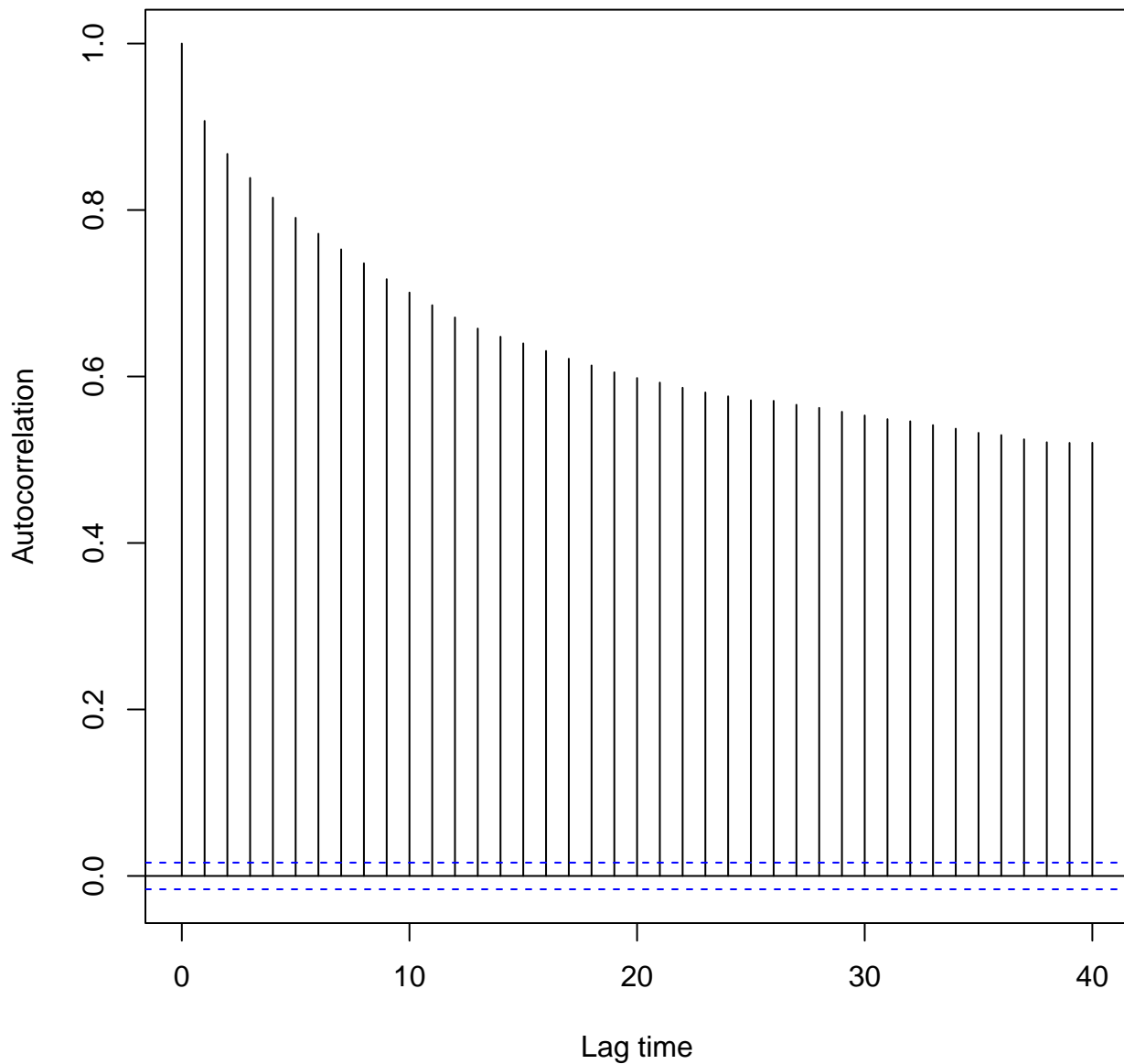


# Mutation V GTA Mixture: 1

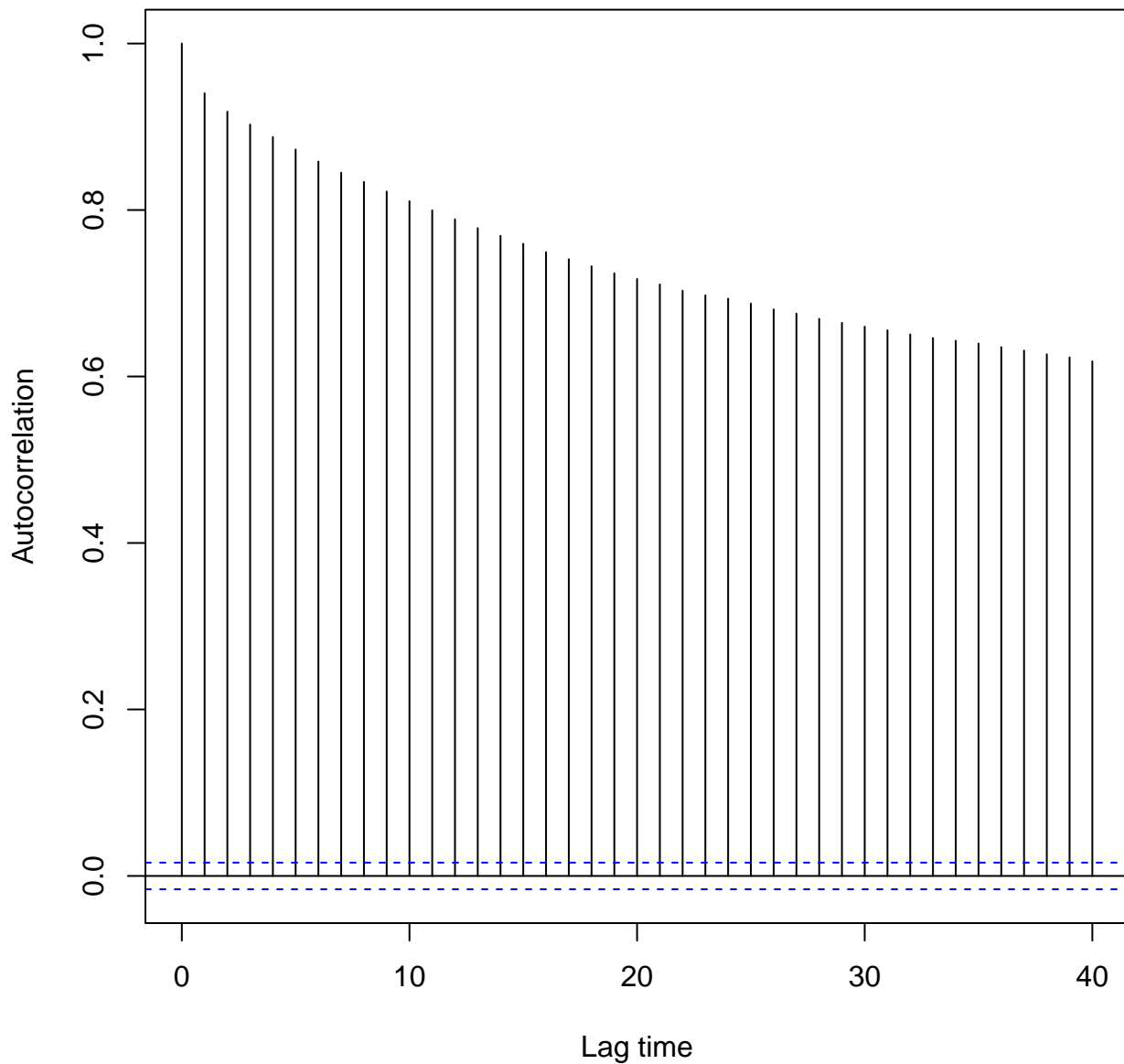




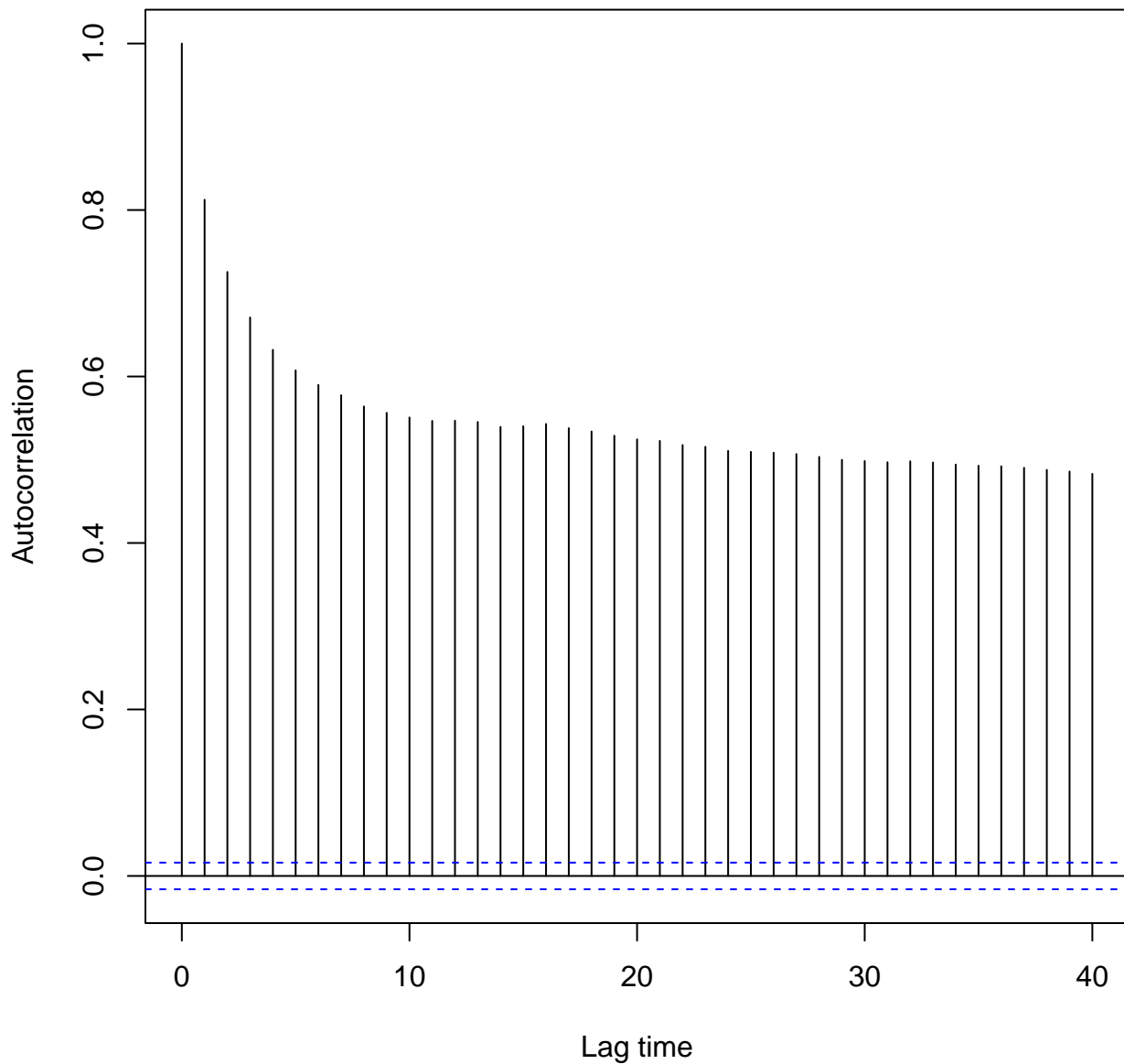
# Mutation V GTC Mixture: 1



# Mutation V GTG Mixture: 1



# Mutation Y TAC Mixture: 1



# Mutation Z AGC Mixture: 1

