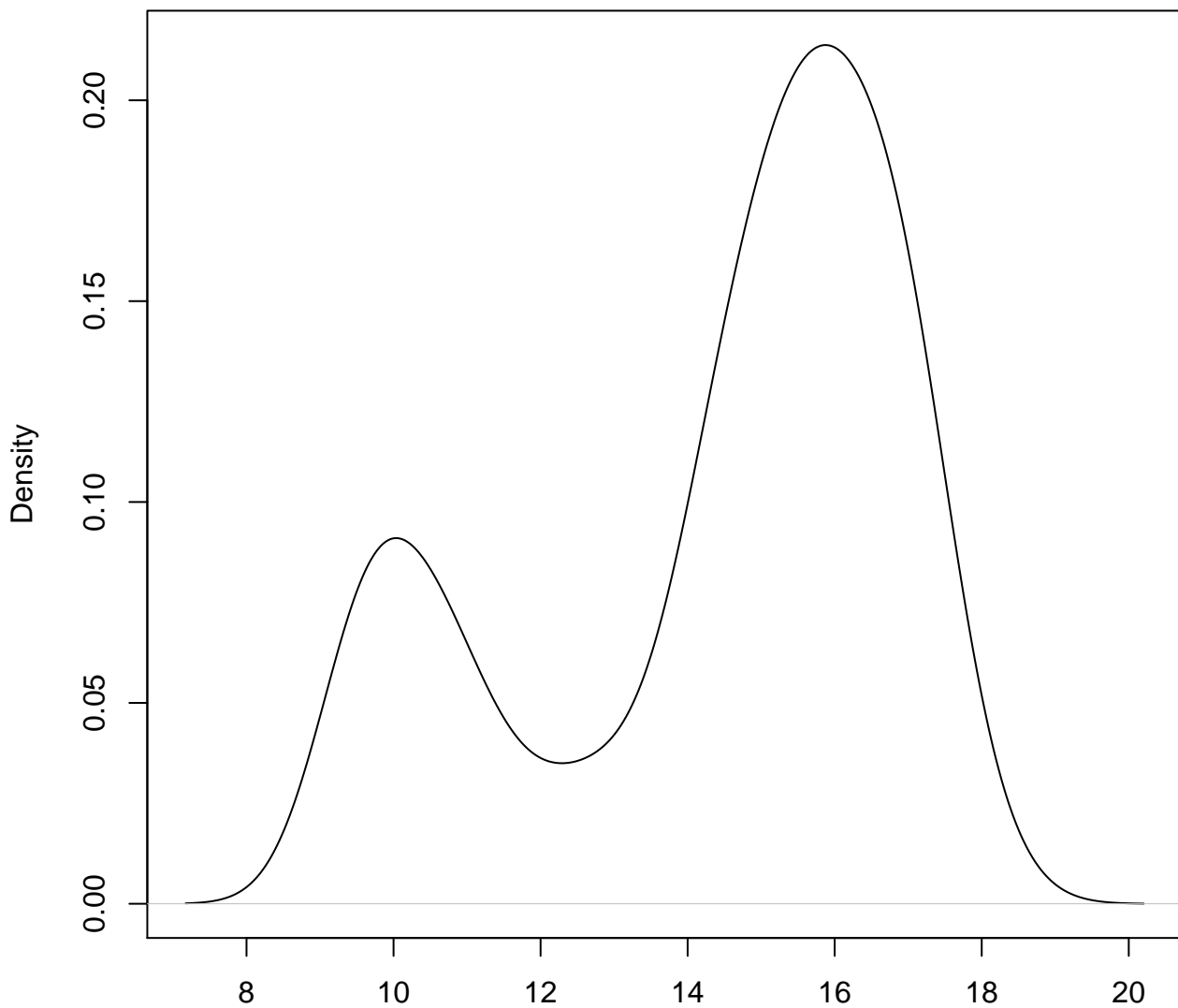
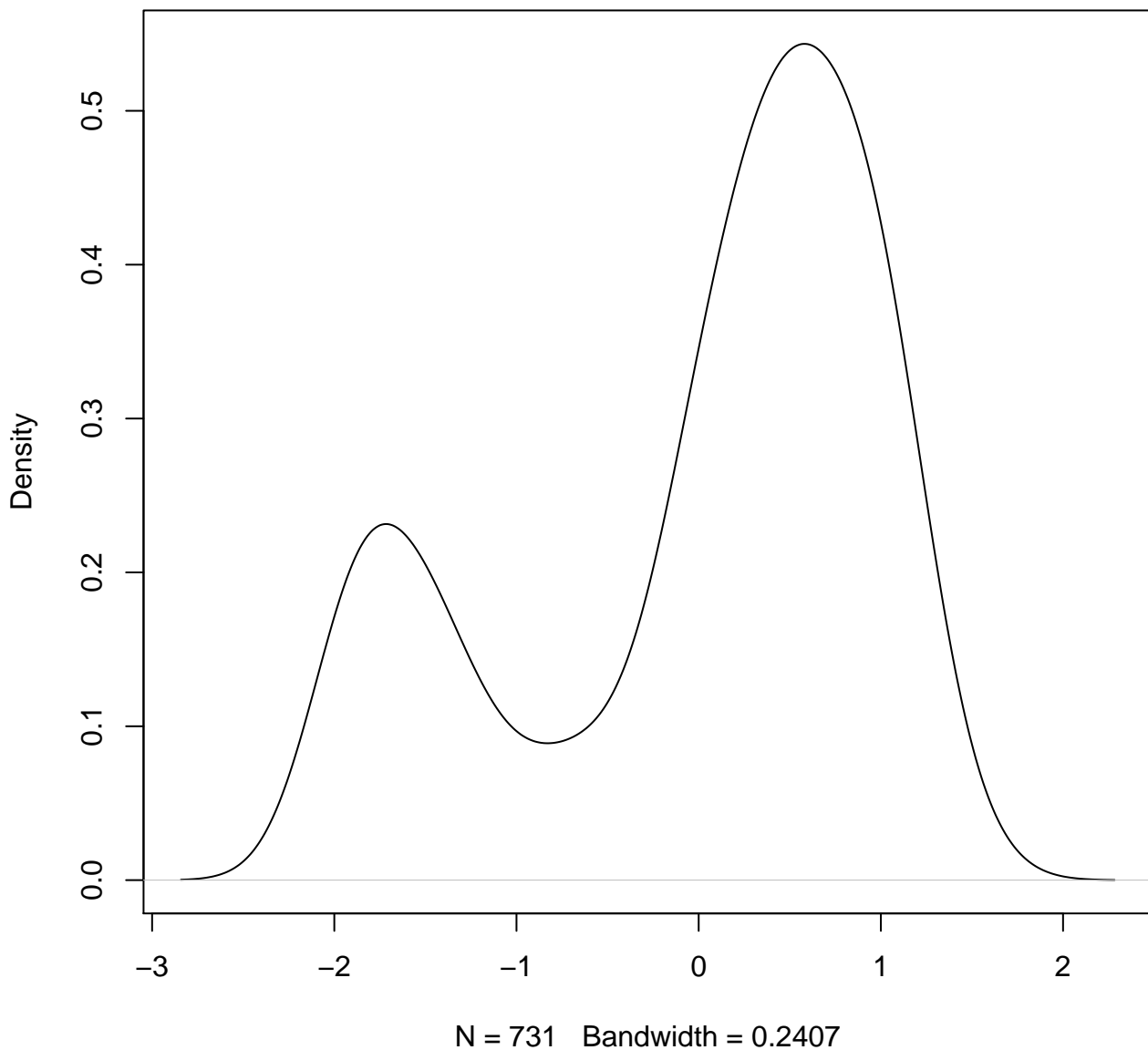


# Gene Expression Density

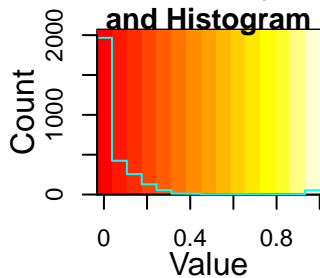


N = 731 Bandwidth = 0.612

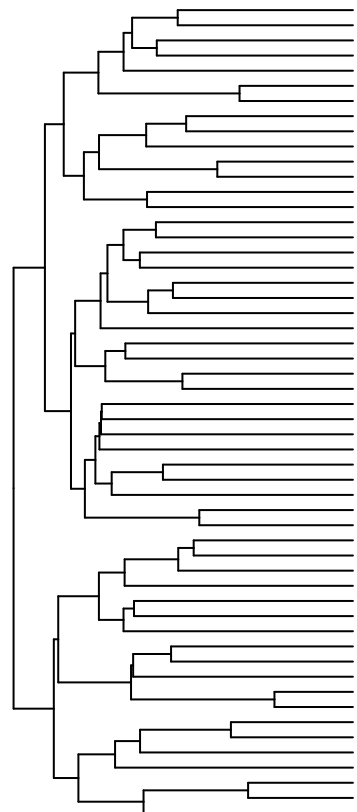
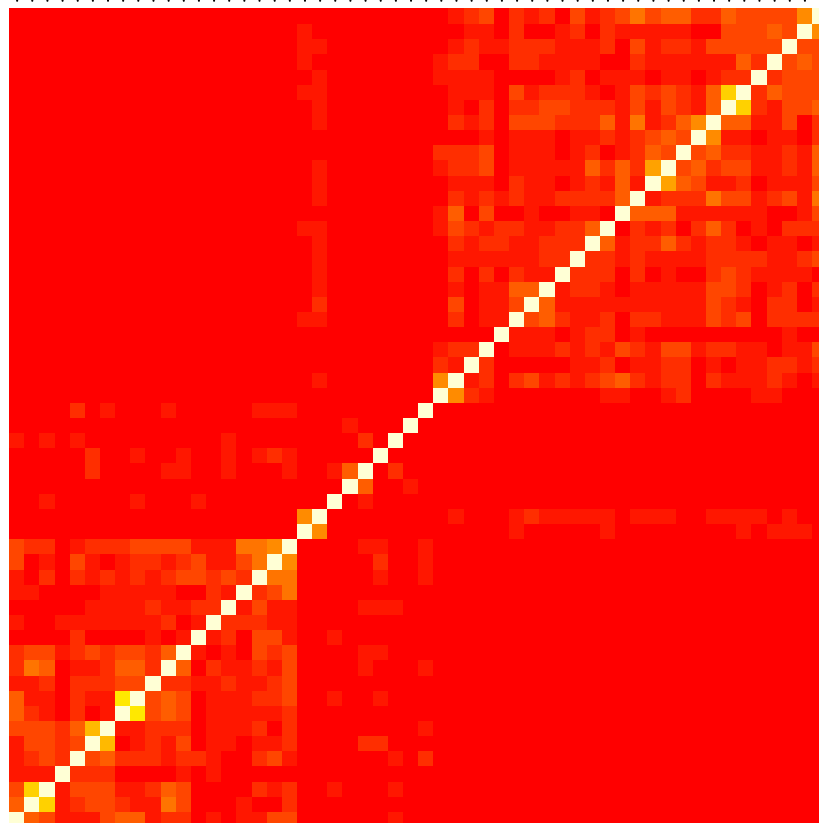
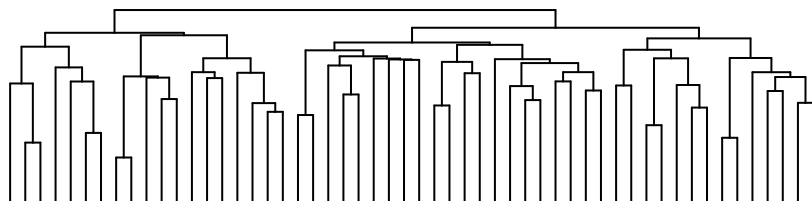
# Gene Expression Density after normalization



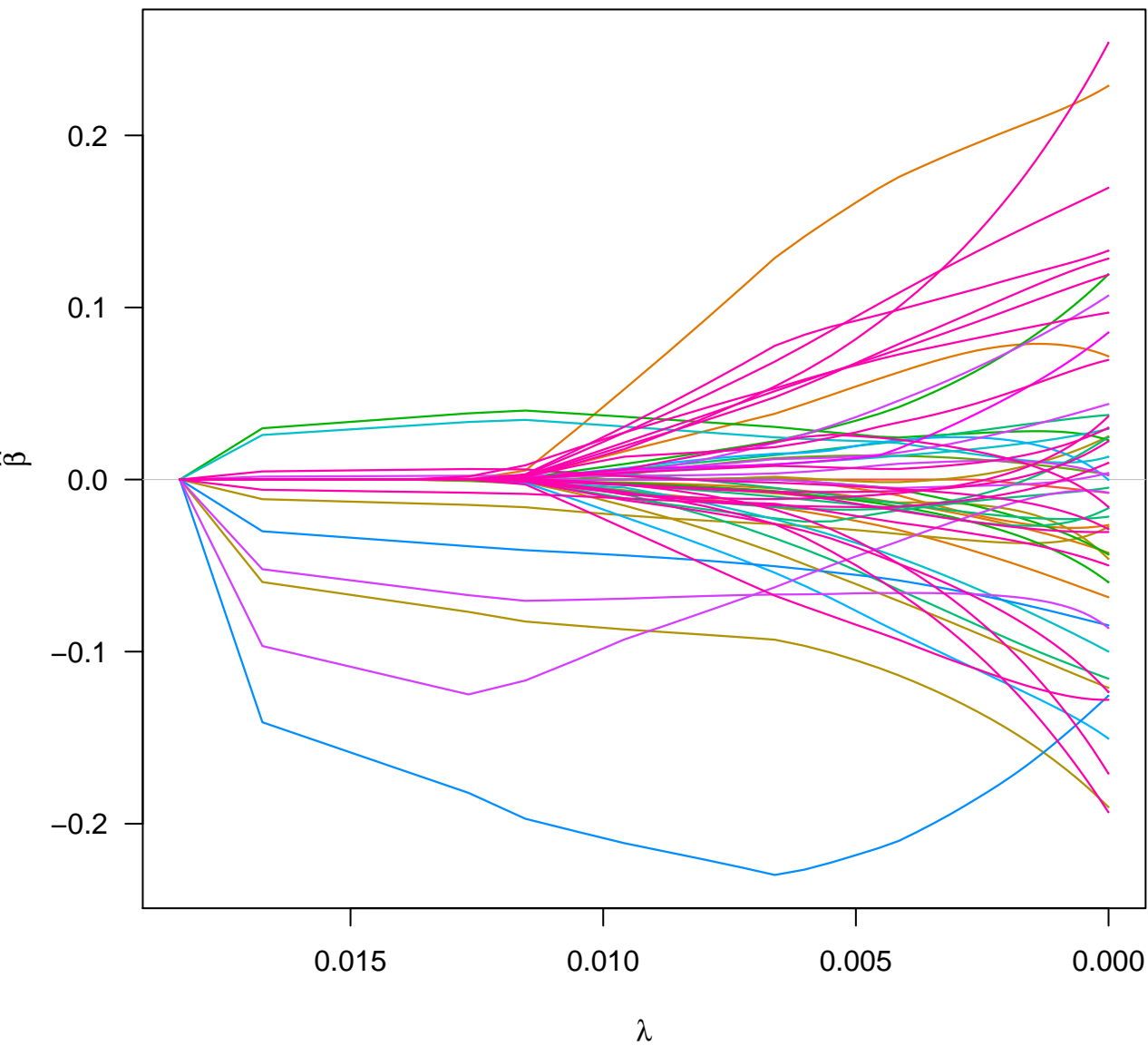
## and Histogram

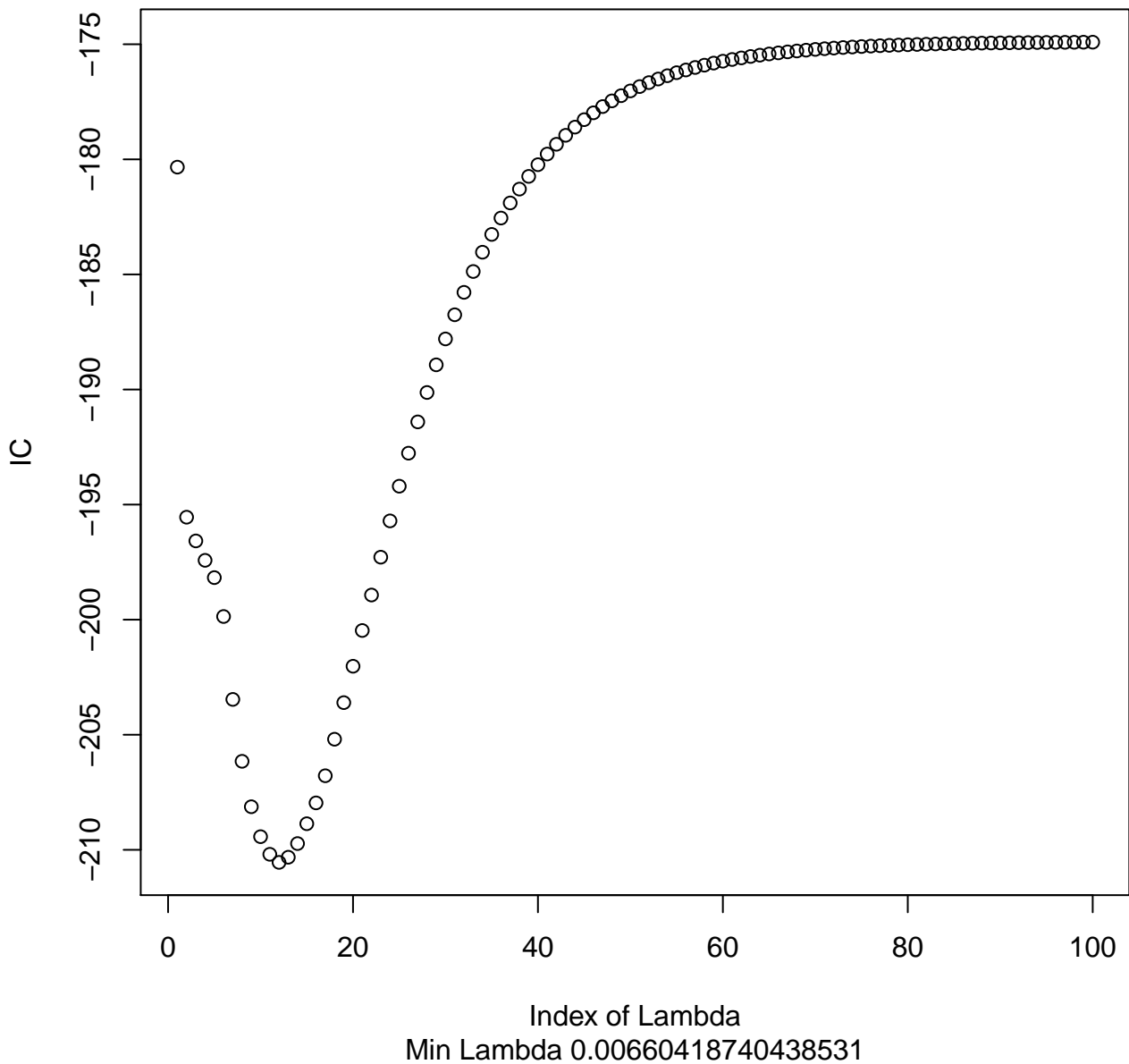


## kappa similarity matrix

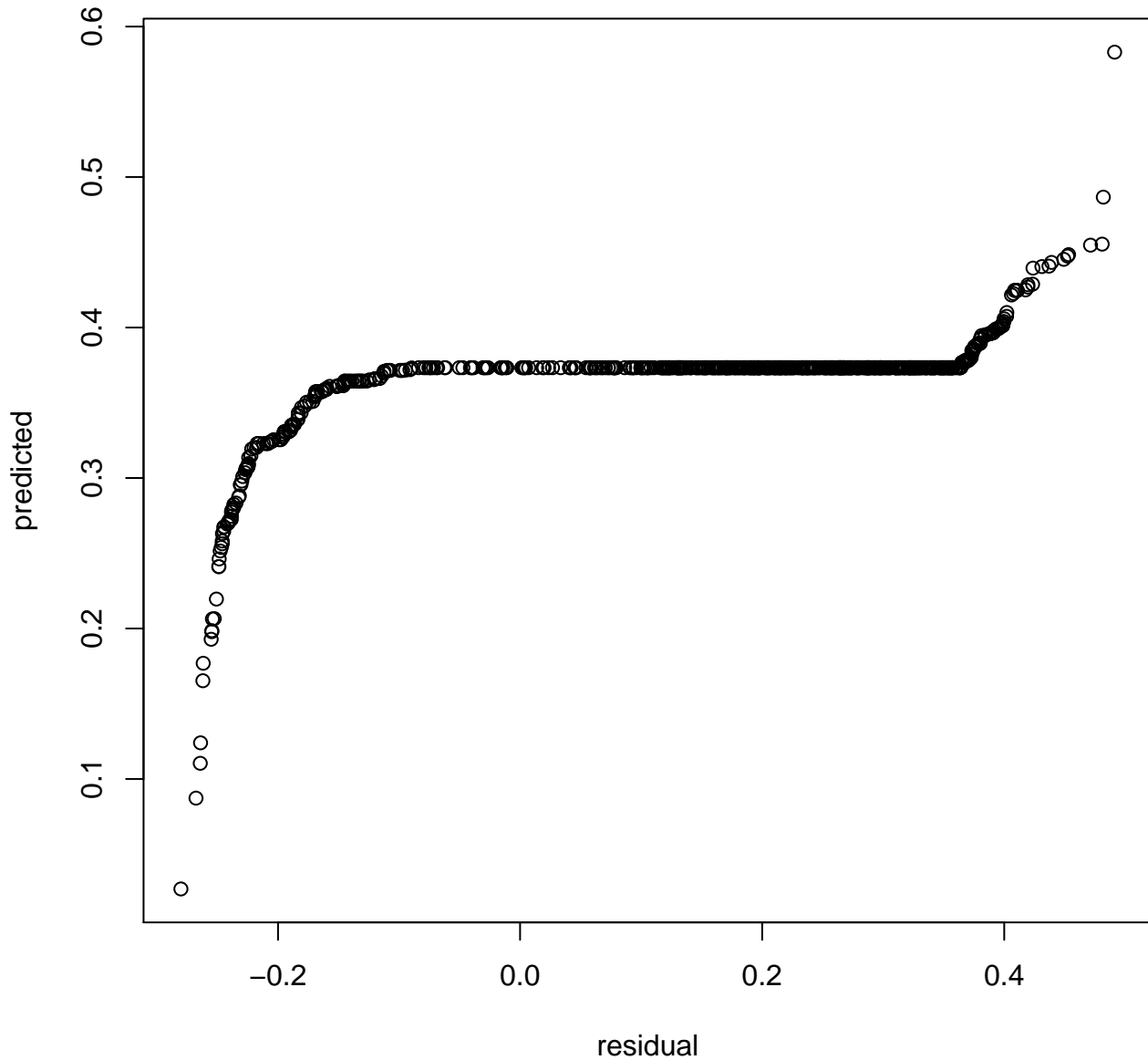




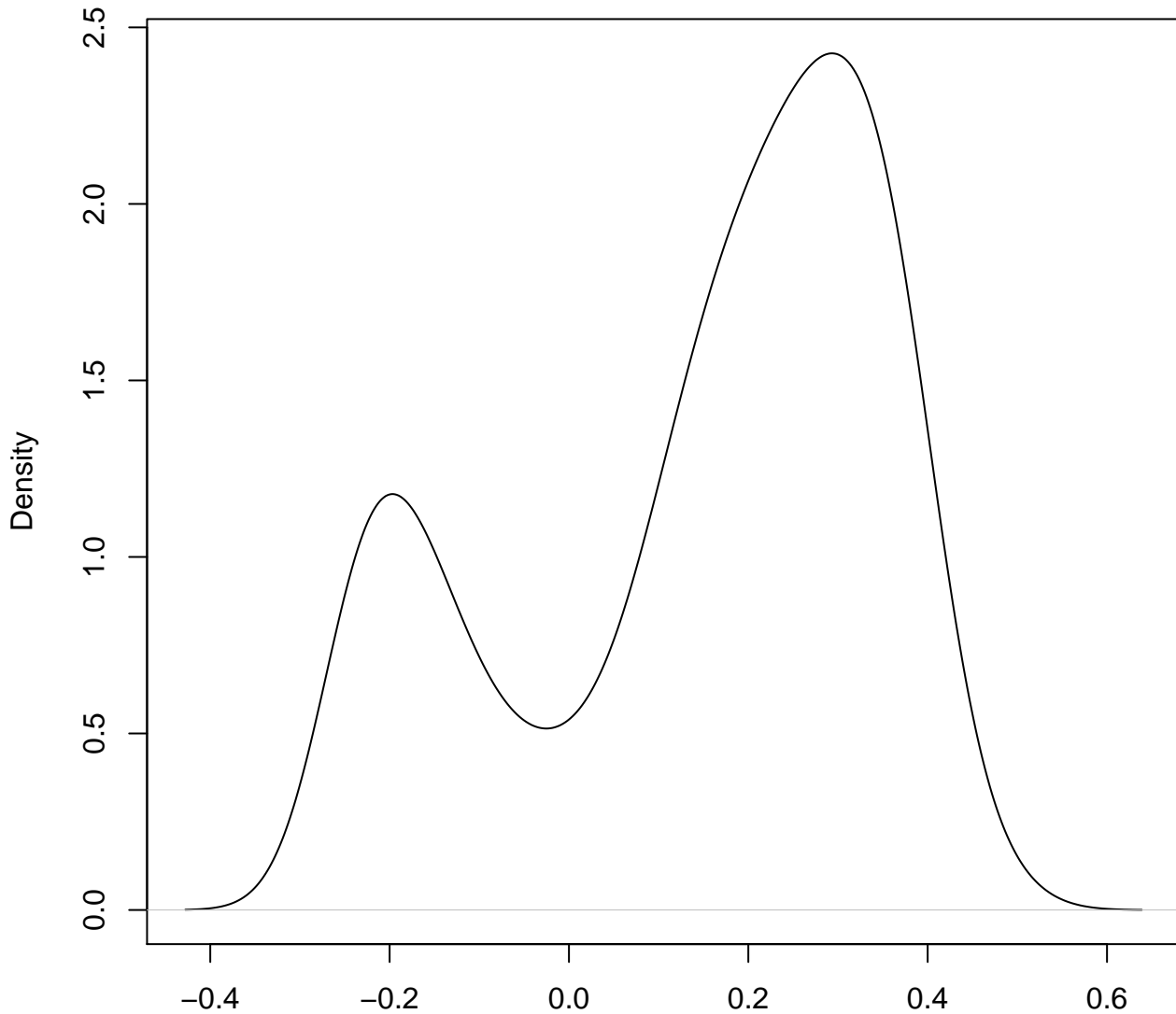




**fitted model residual distribution**



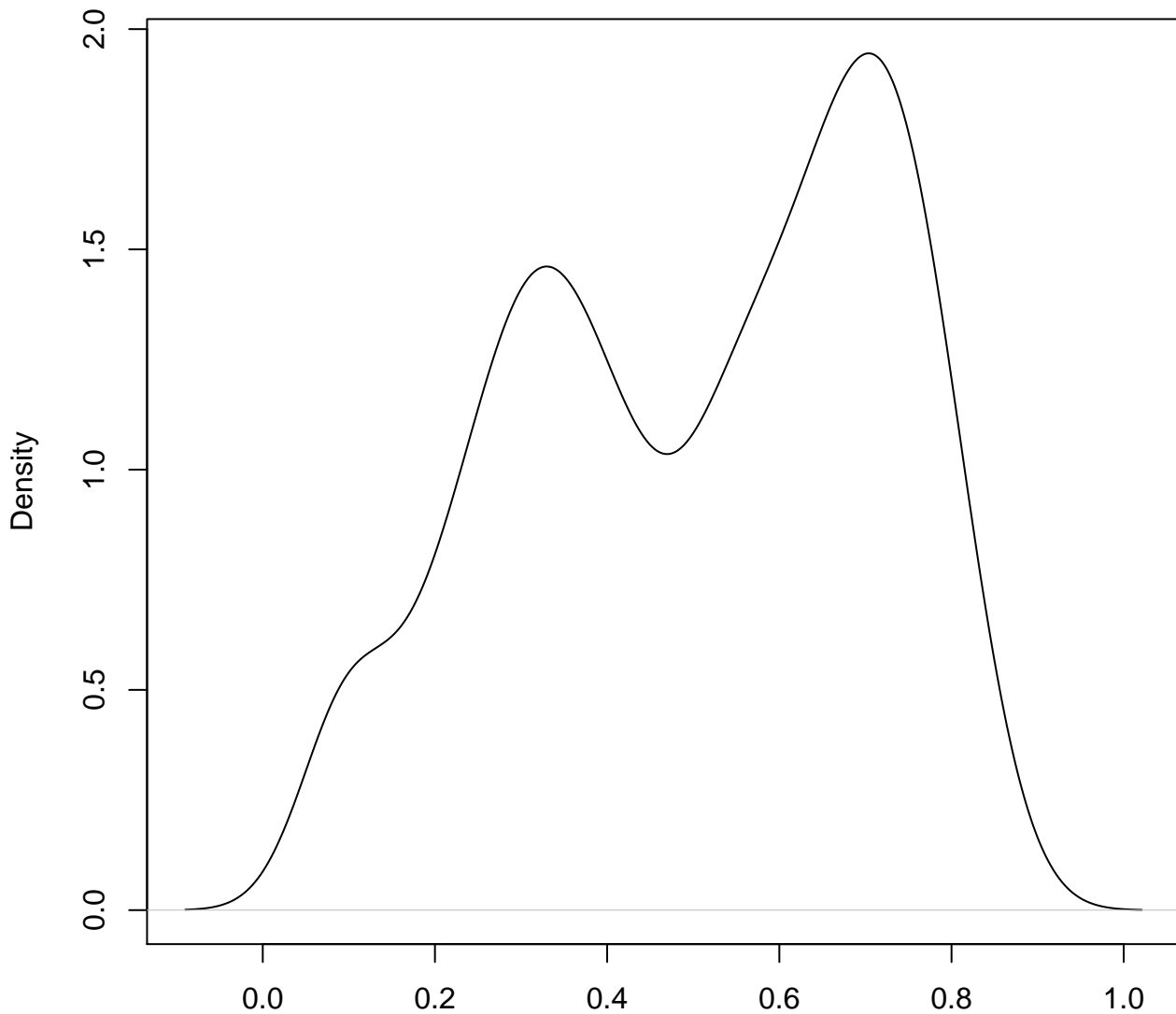
# Fitted Residual Density



N = 731 Bandwidth = 0.0492  
alpha= 0.91 lambda= 0.00660418740438531

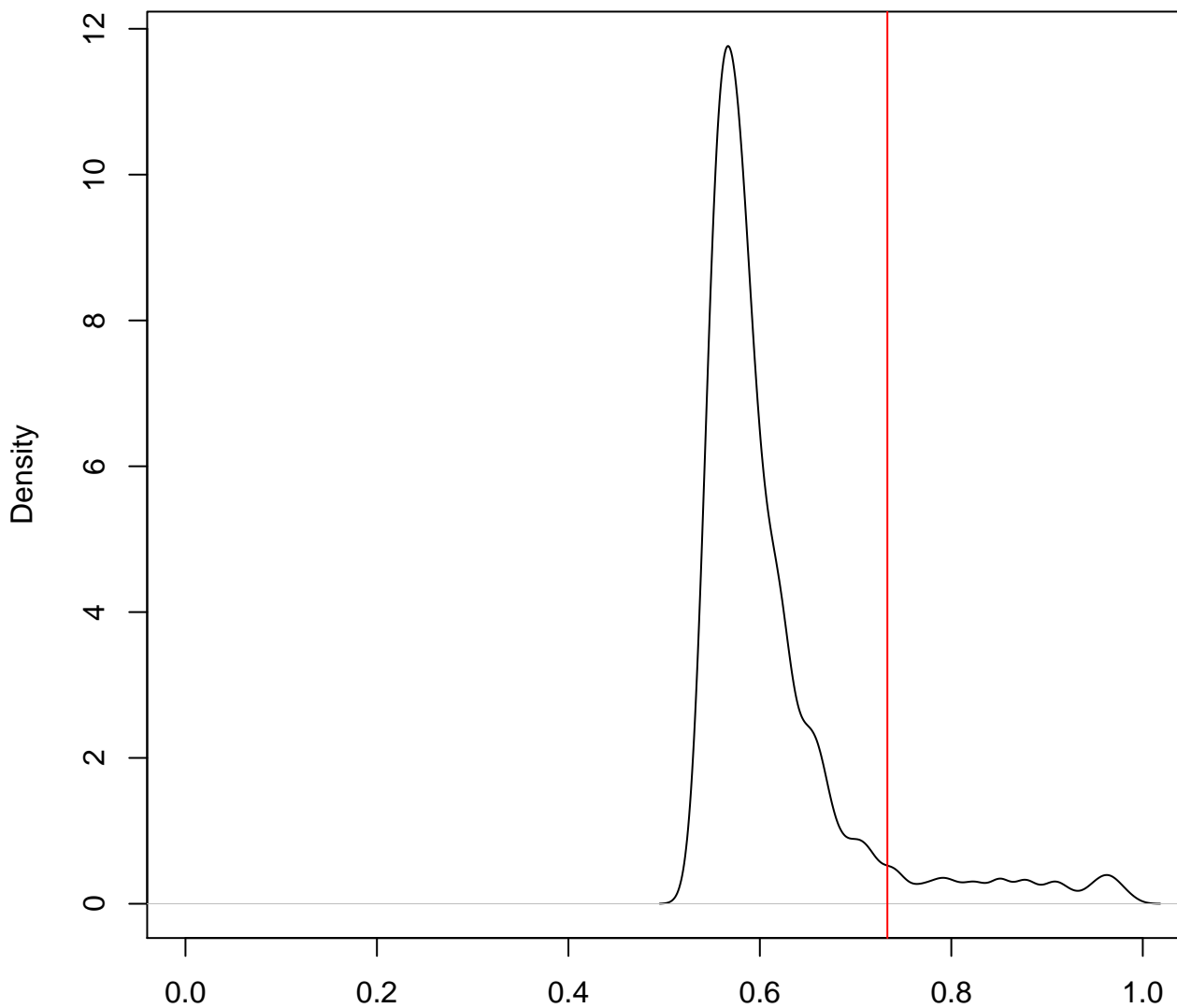


**permuted Y density(one example)**



N = 731 Bandwidth = 0.05115

## Permutation results



pvalue = 0.081  
nperm = 1000