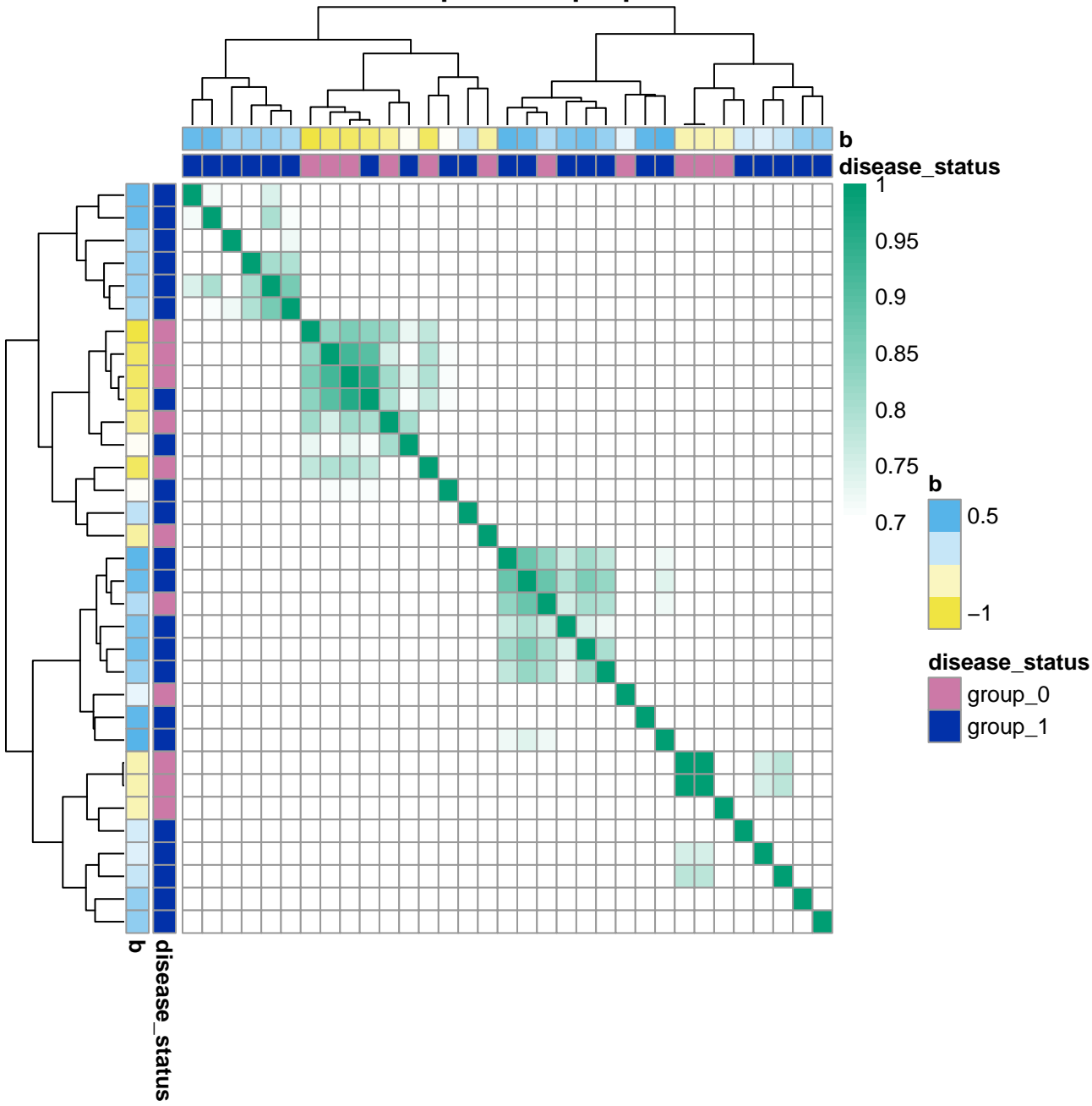
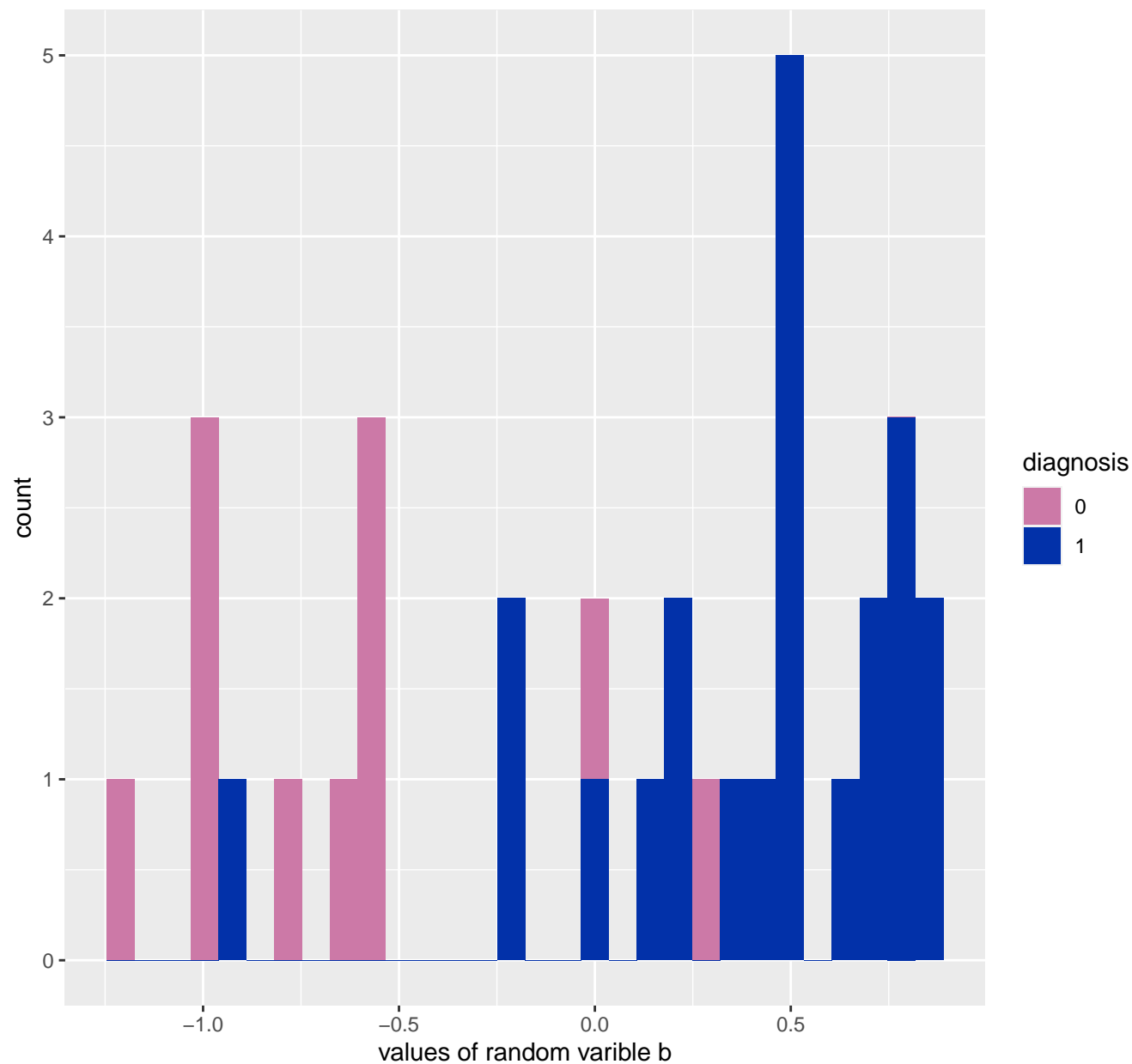
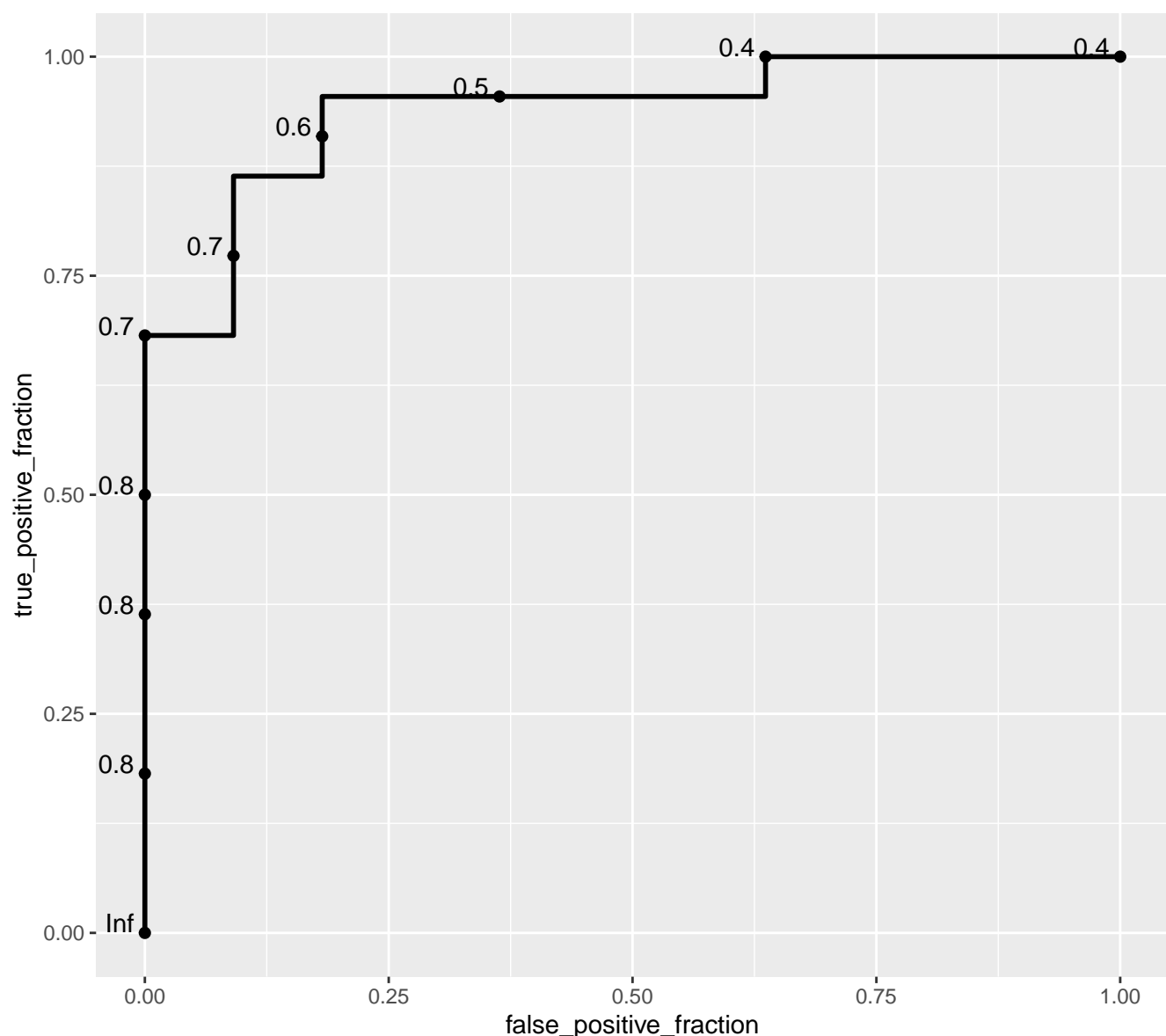


## GRM for species exp\_species



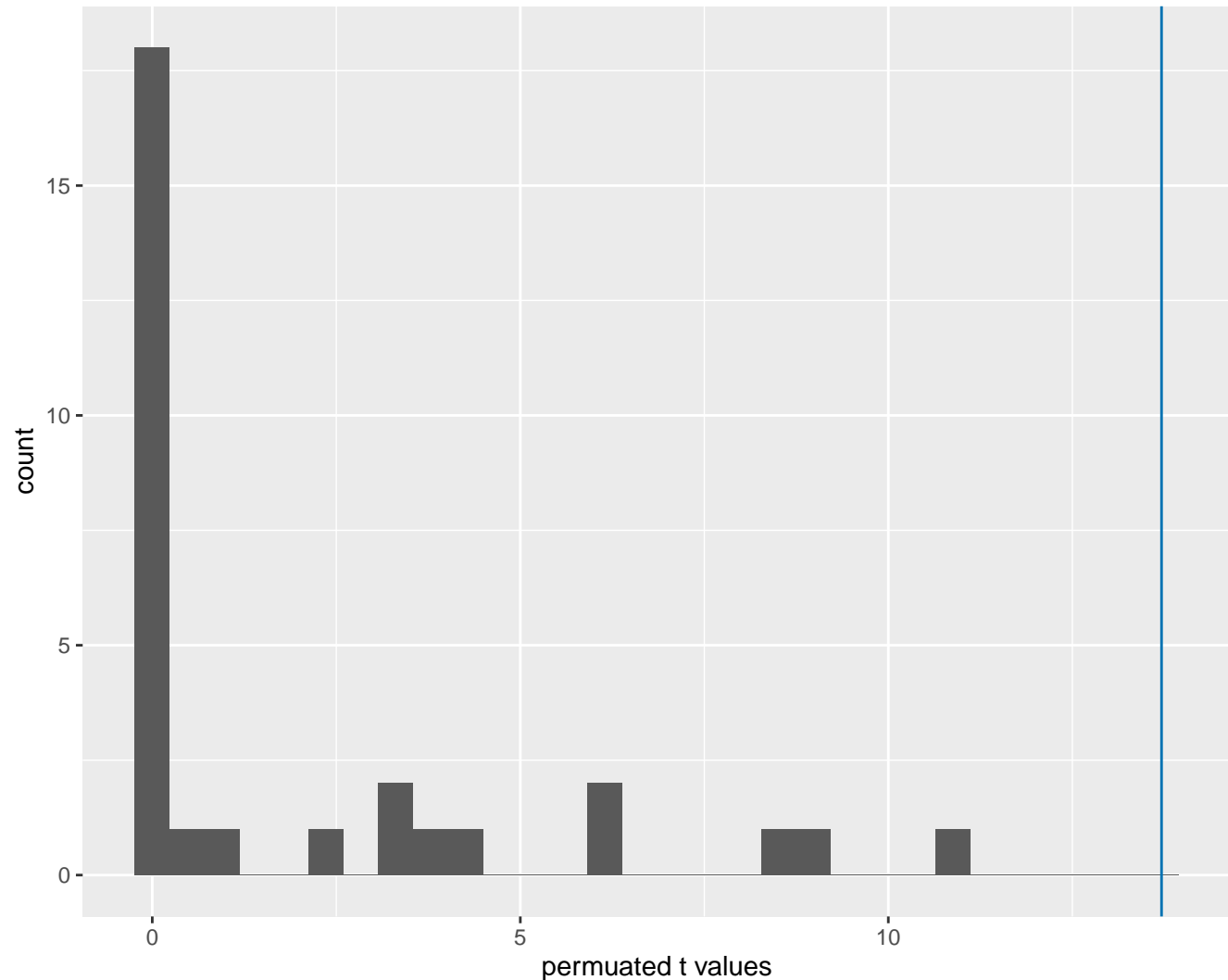
Histogram of random variable b for species exp\_species  
colored by diagnosis





pop\_structure\_test formula= y~1 family= binomial  
Coefficients: 0.707015776446764  
AUC 0.93801652892562  
tau is: 2.20788330876276 t value is 13.7116081608935

Histogram of permuated t values for species exp\_species  
actual t value for a tau of 2.20788330876276 in orange  
number of permutations 30



pop\_structure\_test formula= y~1 family= binomial  
Coefficients: 0.707015776446764  
AUC 0.93801652892562  
tau is: 2.20788330876276 t value is 13.7116081608935  
pvalue for t is 0