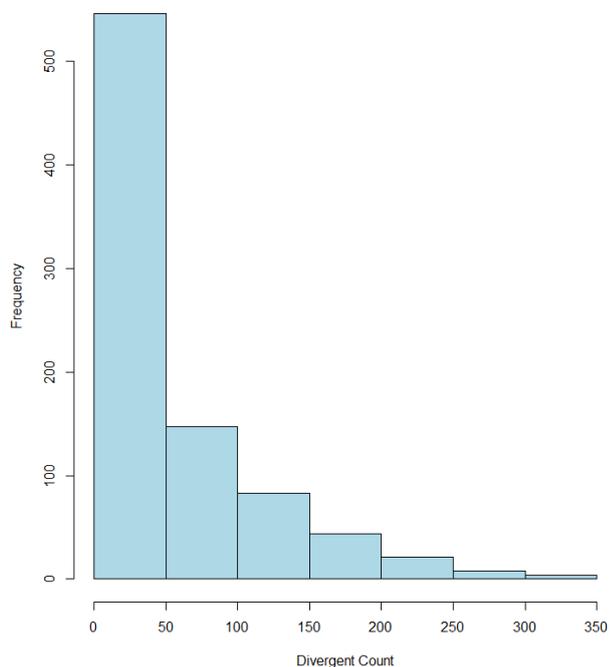
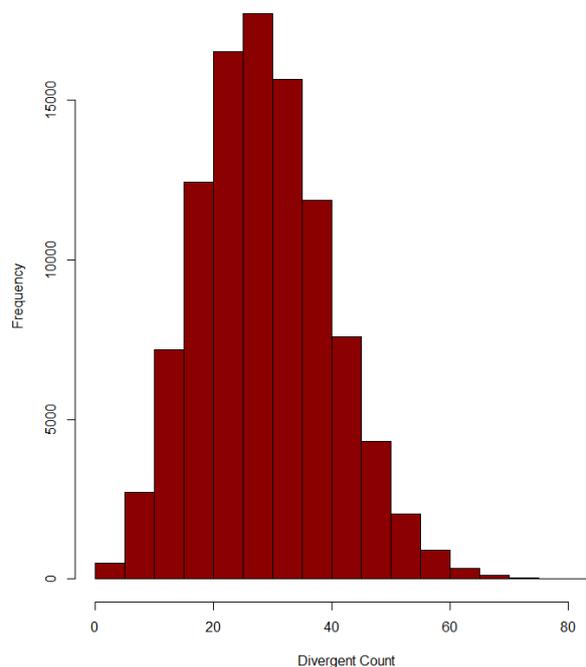


Histogram of Observed Divergent Counts in gene-gene interaction



Histogram of Bootstrapped Divergent Counts in gene-gene interaction



Supplementary figure 2 – Distribution of observed divergent counts for the p-values of the interactions of each of the 853 genes included in the gene-gene interaction analysis(left), Distribution of 10^5 divergent counts generated by sampling 853 p-values at a time and calculating the divergent counts from the gene-gene interaction p-values(right). Overall, the empirical and bootstrapped distribution are completely different, indicating we are modelling real interactions.