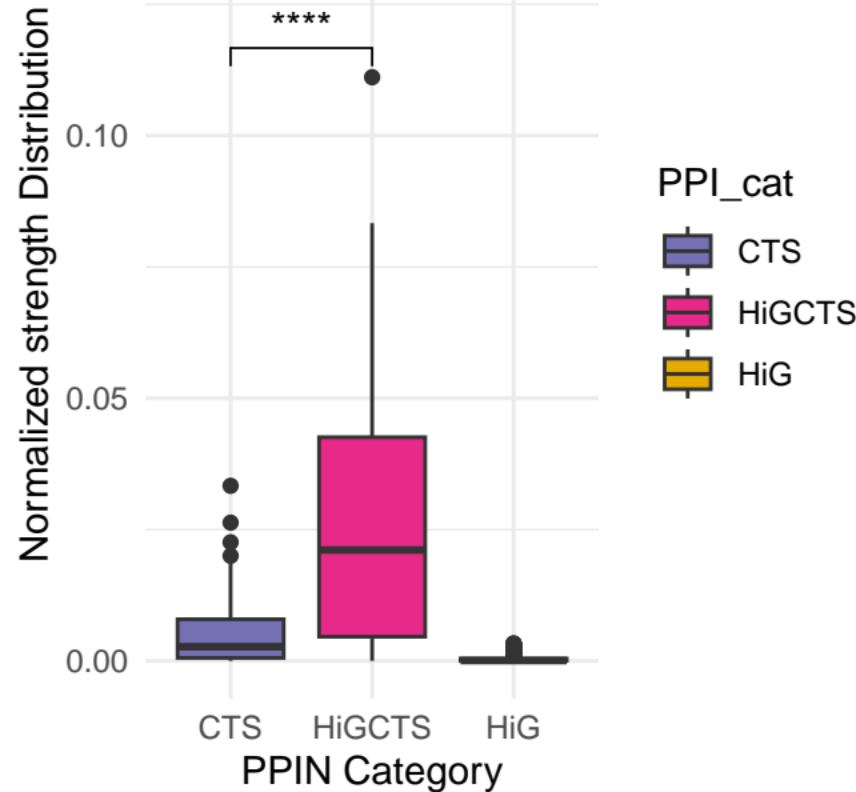


### PPINs for all clusters



### PPINs for transition clusters

