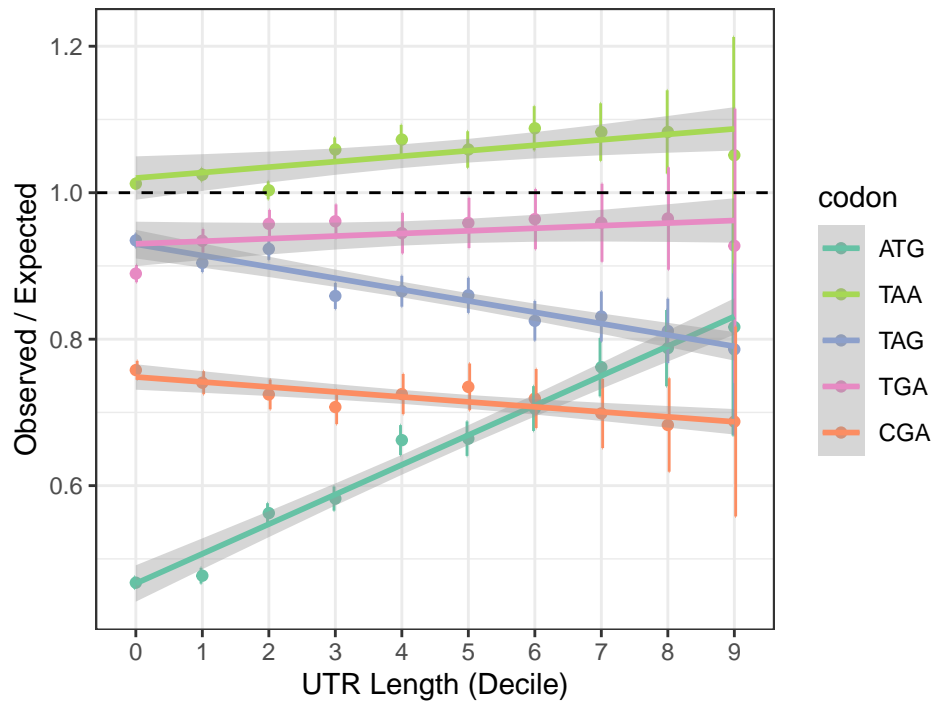
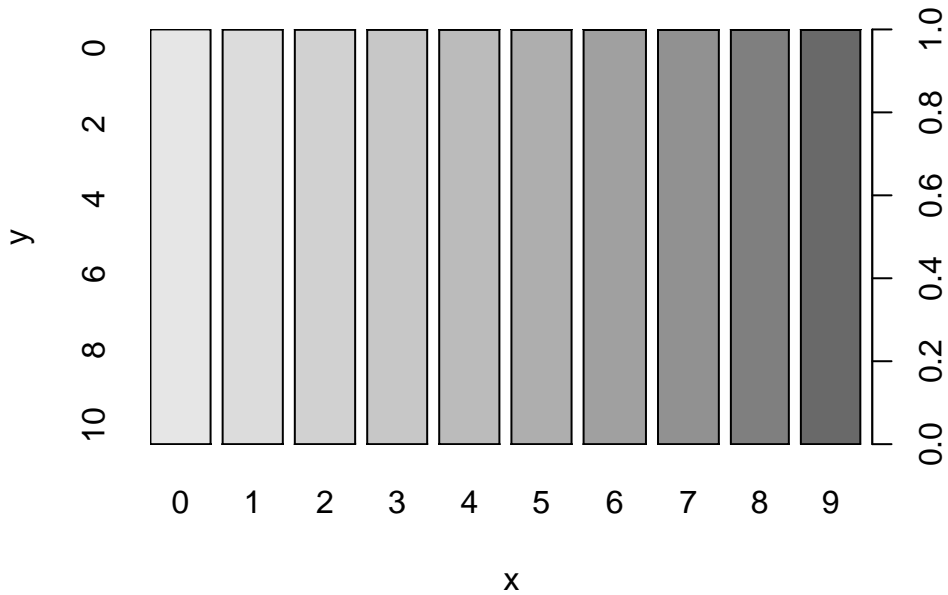
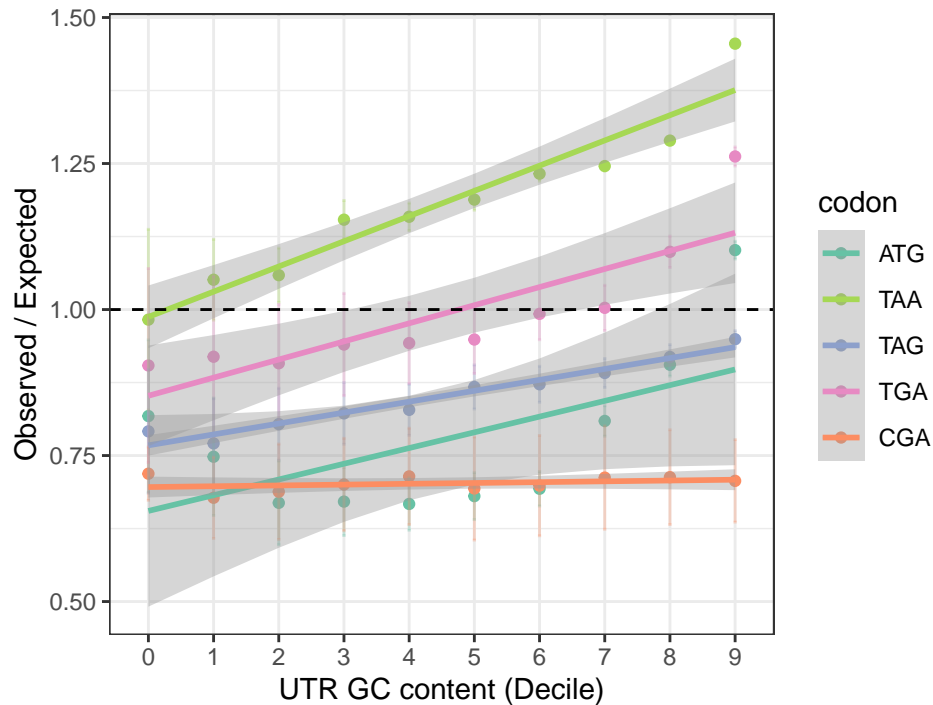


# 5 UTR length

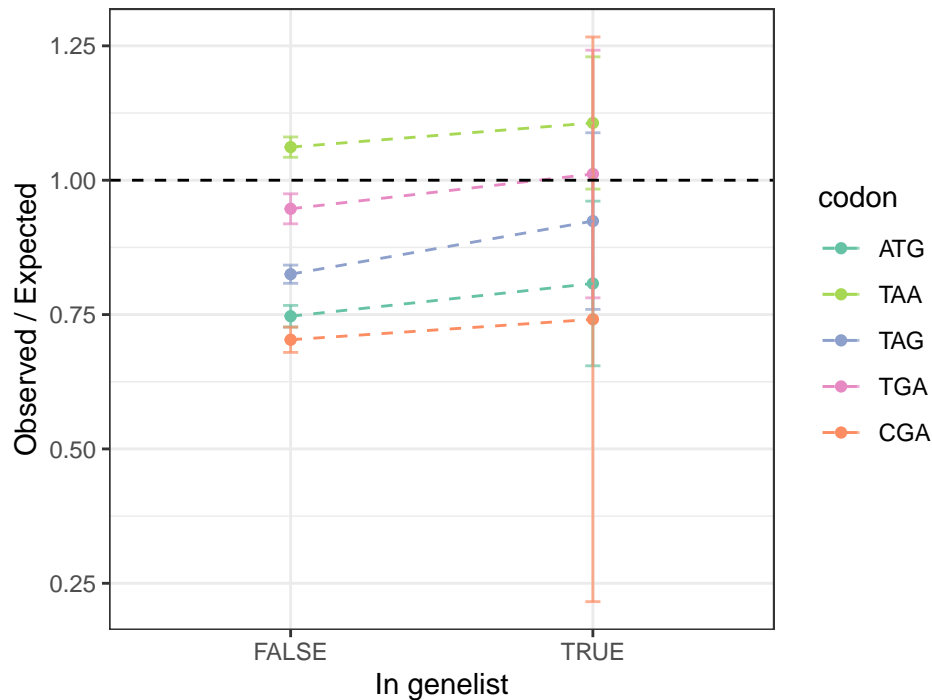




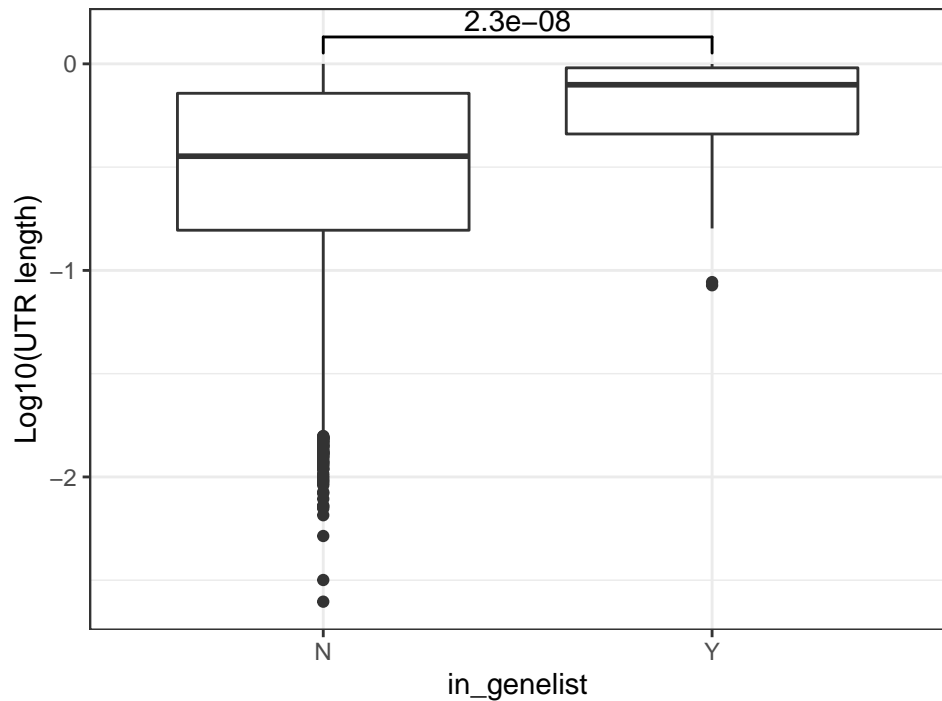
# 5 UTR GC content



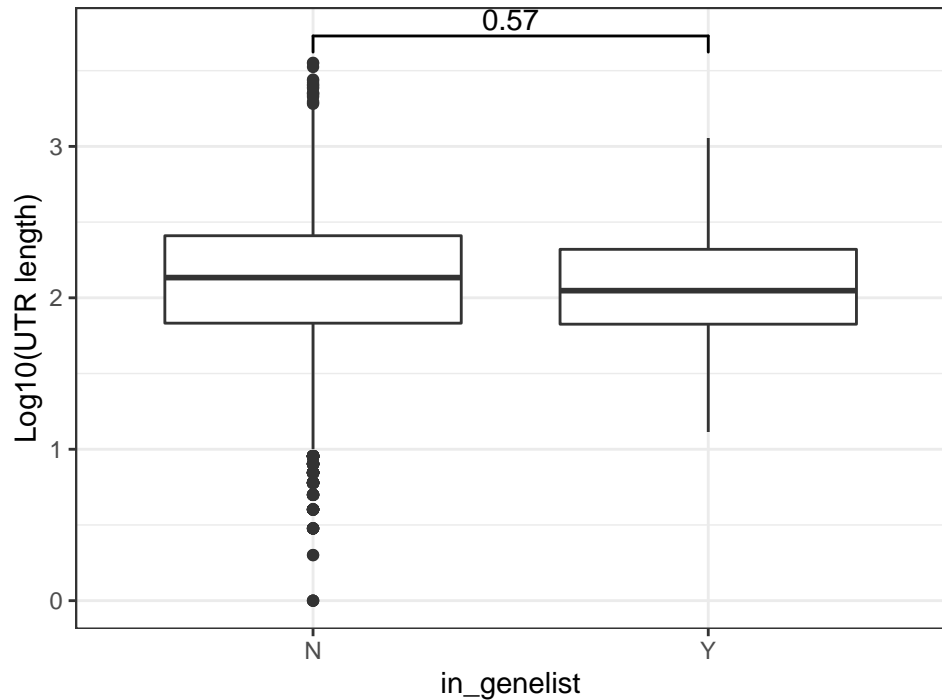
## 5 Genelist: ACMG\_2\_0



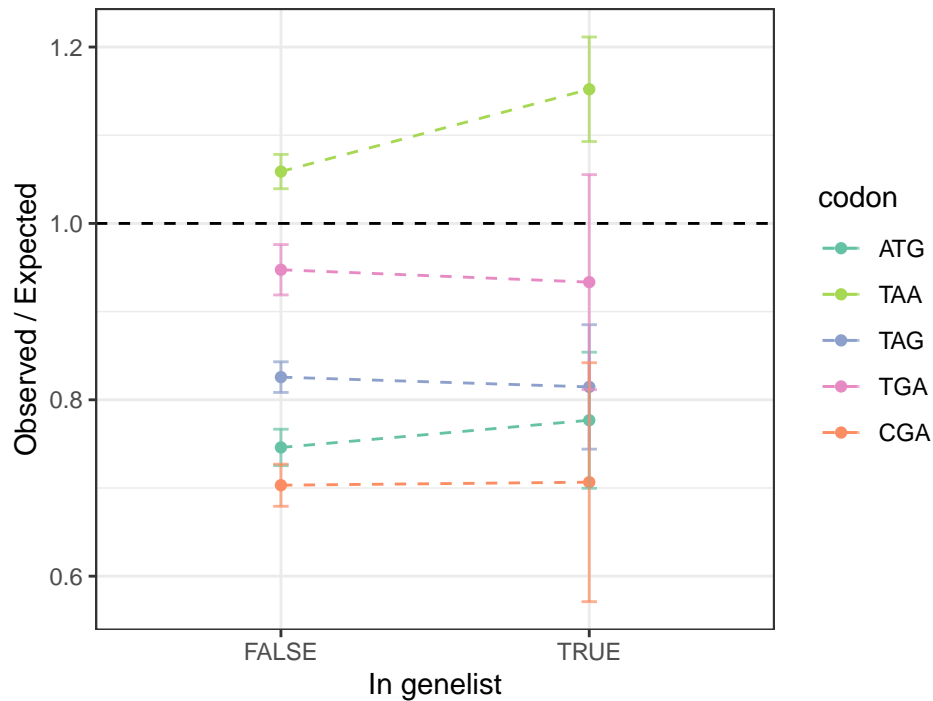
# 5 Genelist: ACMG\_2\_0



## 5 Genelist: ACMG\_2\_0

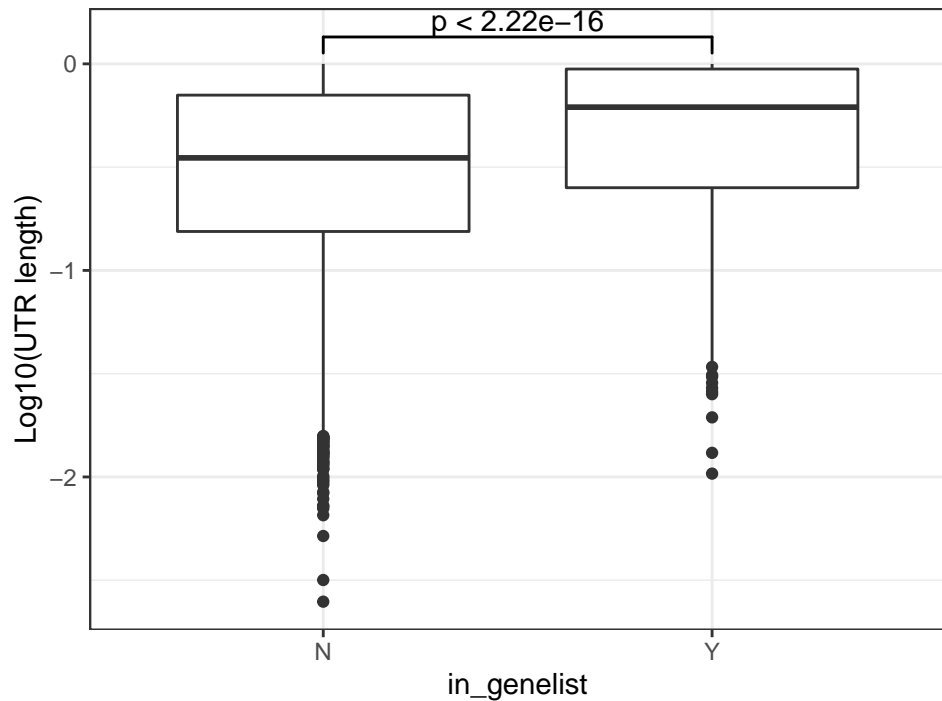


## 5 Genelist: all\_ad

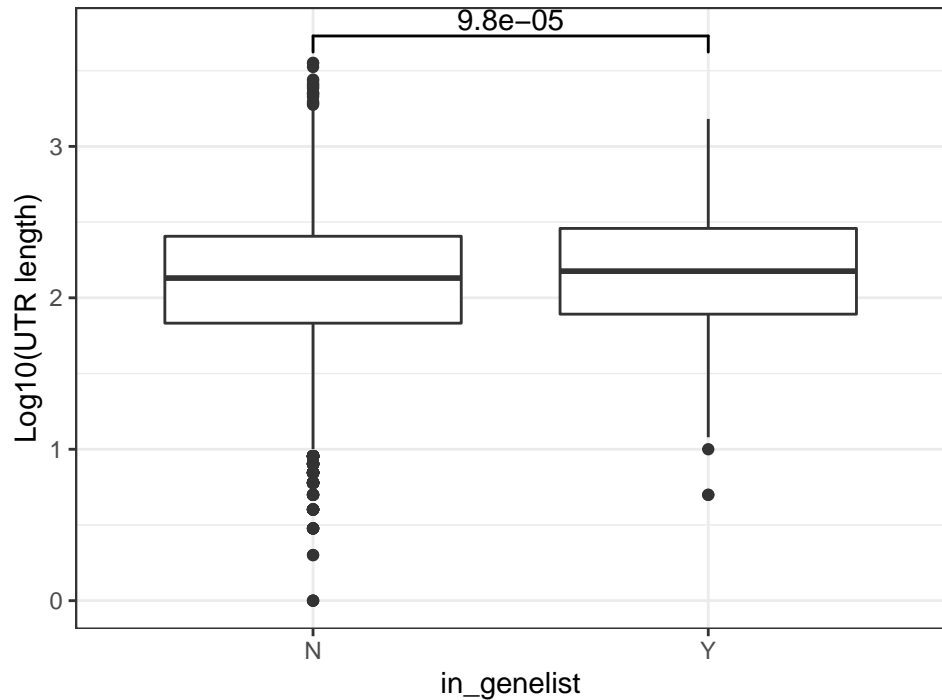




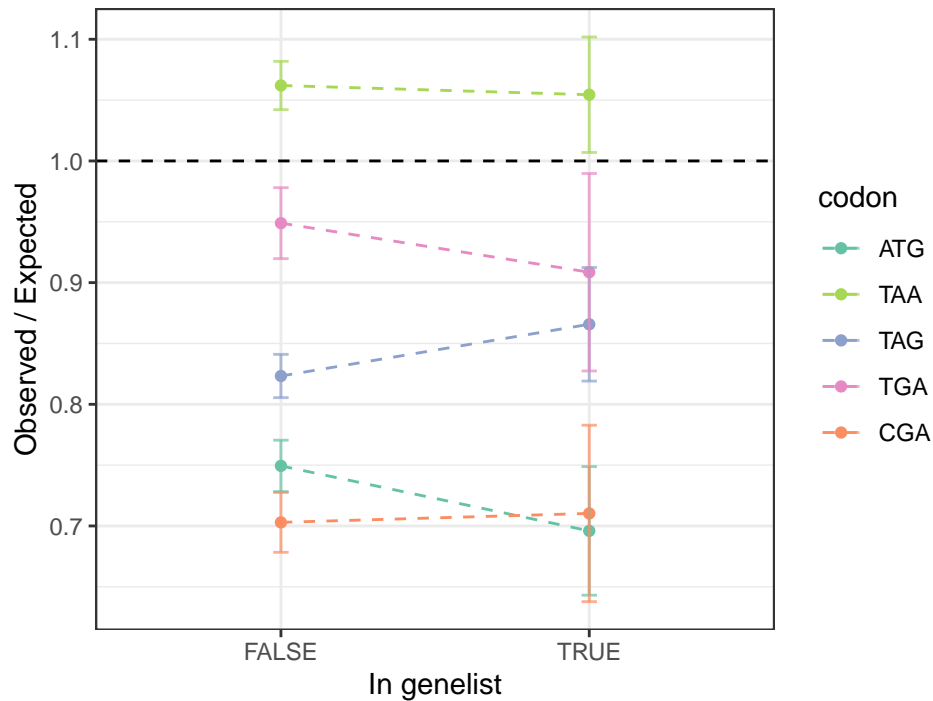
# 5 Genelist: all\_ad



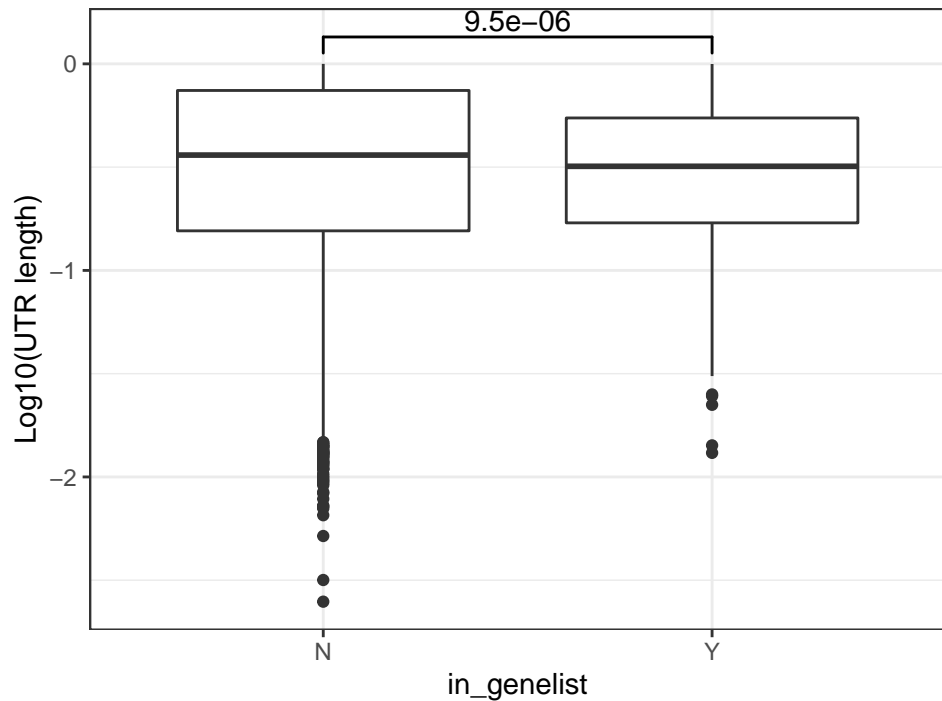
## 5 Genelist: all\_ad



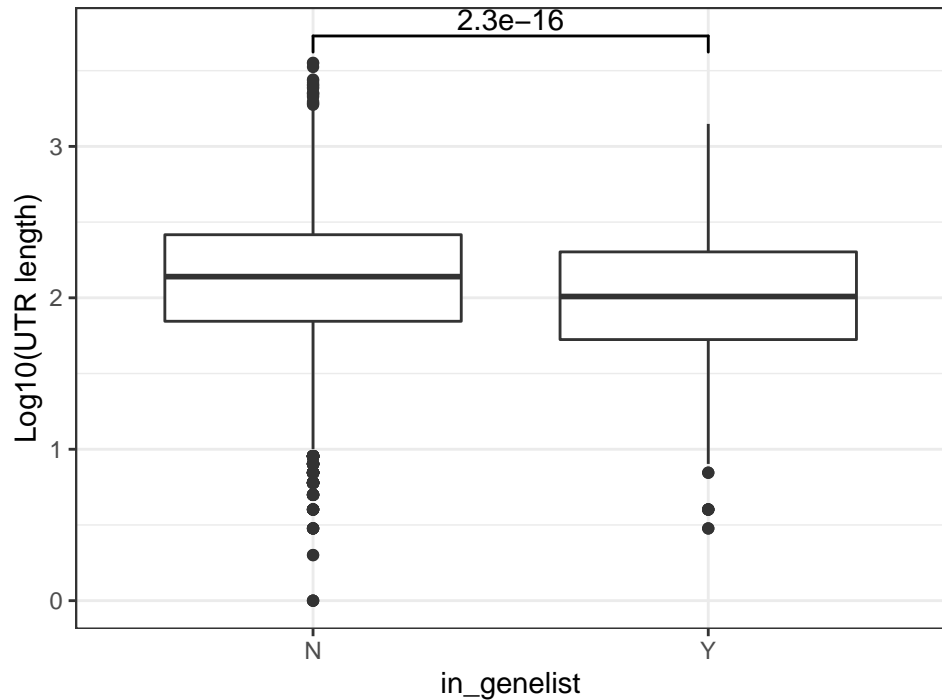
## 5 Genelist: all\_ar



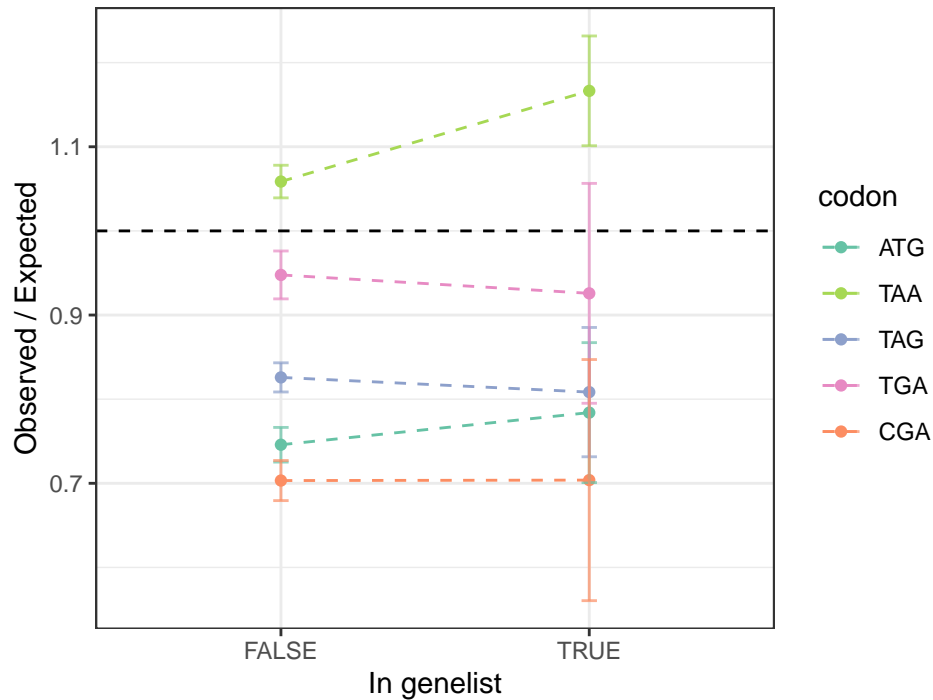
# 5 Genelist: all\_ar



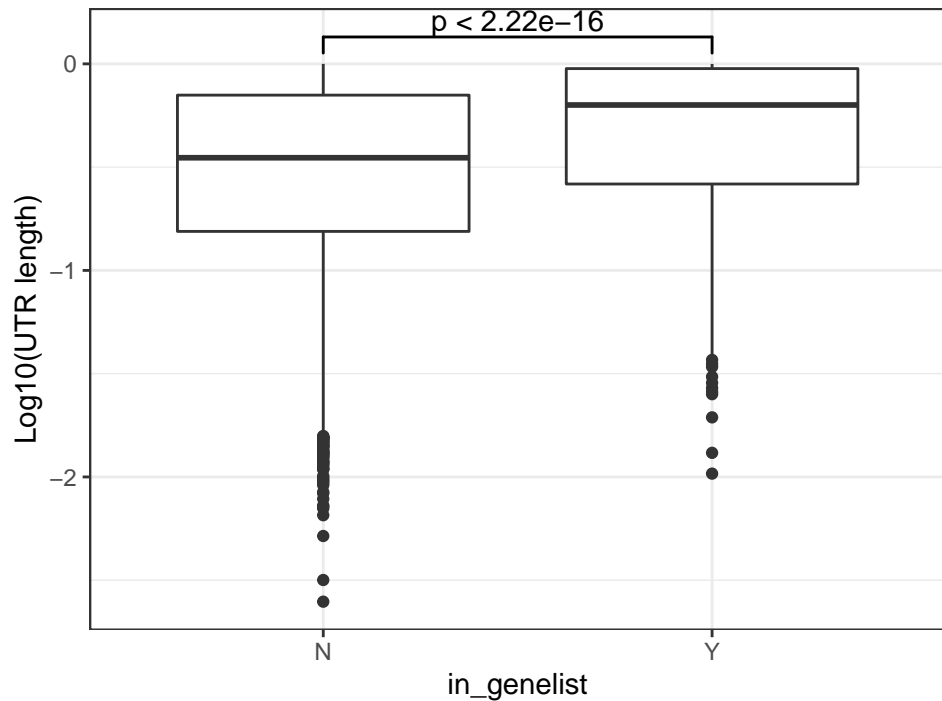
## 5 Genelist: all\_ar



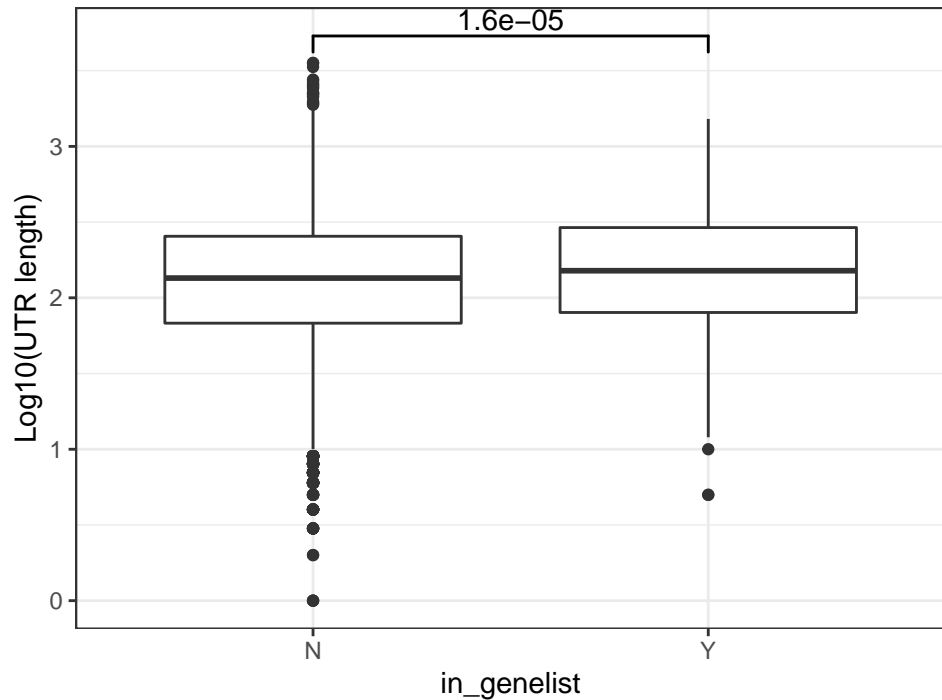
## 5 Genelist: berg\_ad



# 5 Genelist: berg\_ad

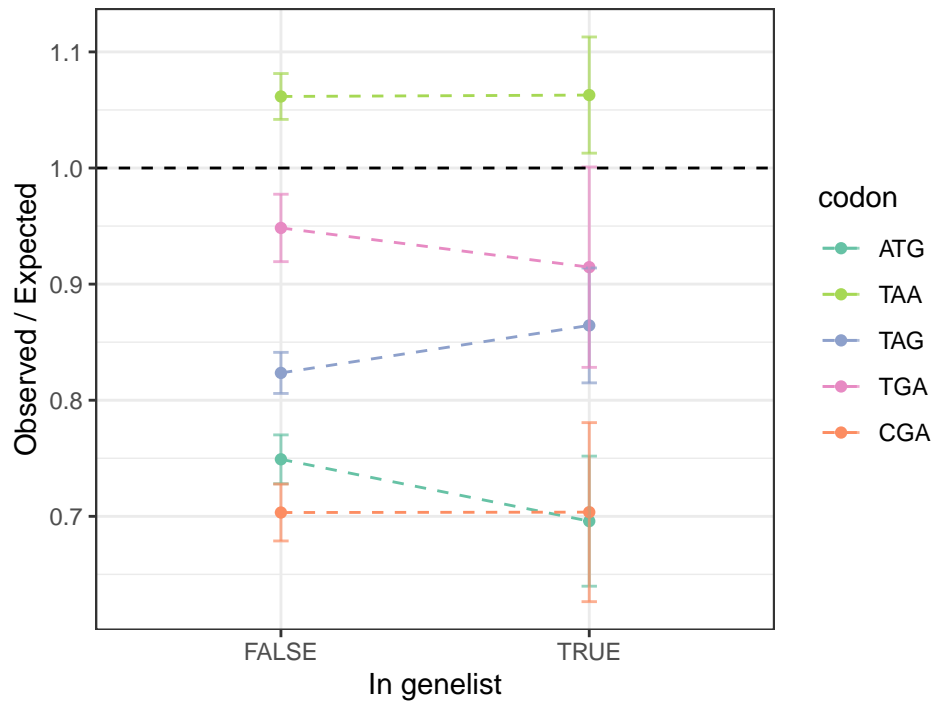


## 5 Genelist: berg\_ad

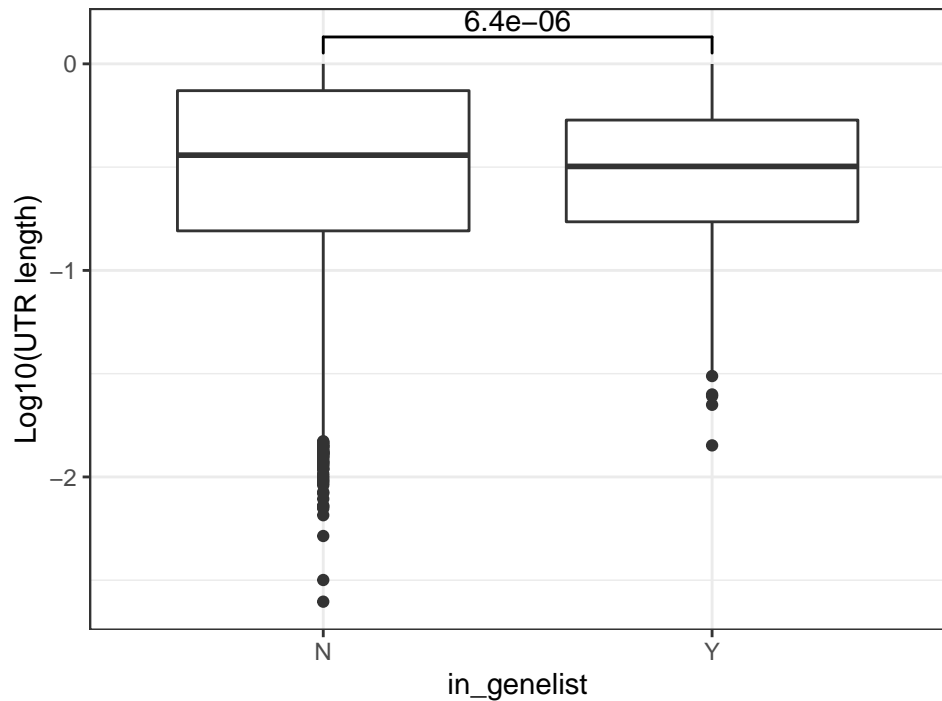




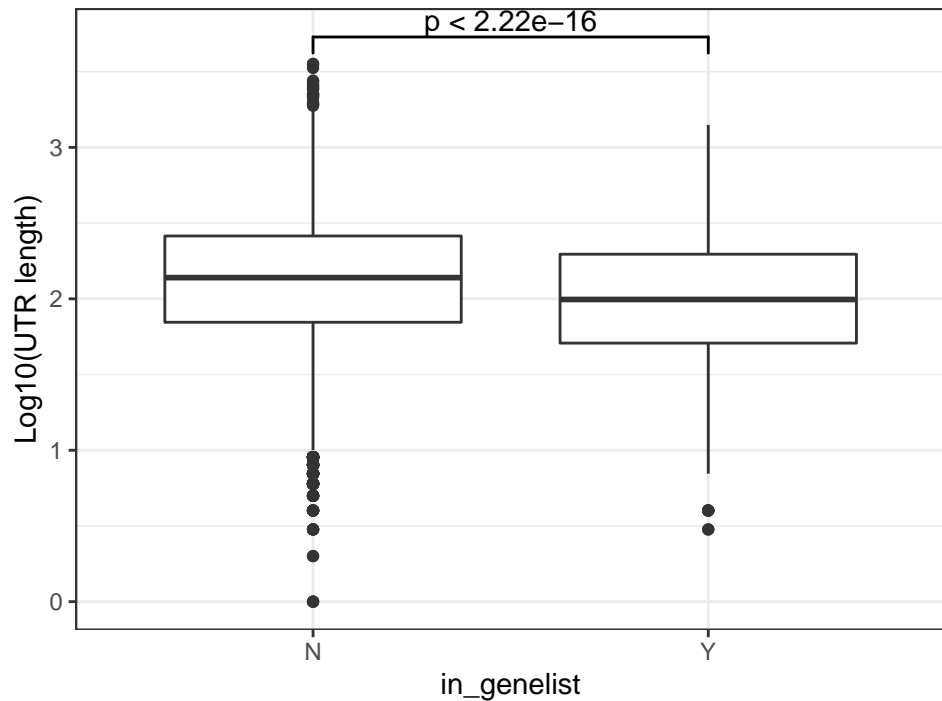
## 5 Genelist: berg\_ar



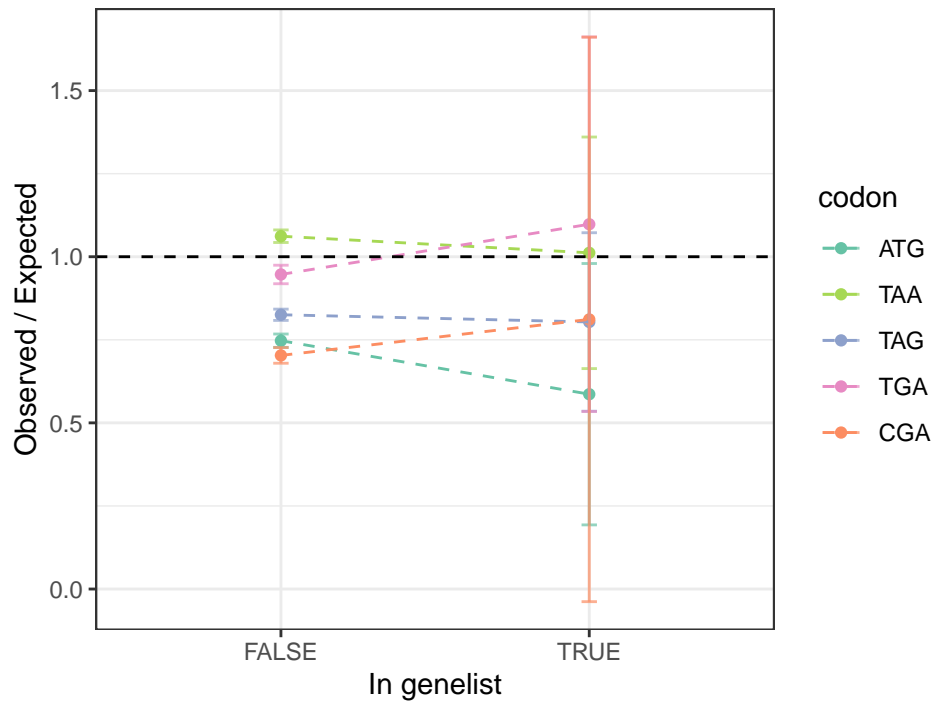
# 5 Genelist: berg\_ar



## 5 Genelist: berg\_ar

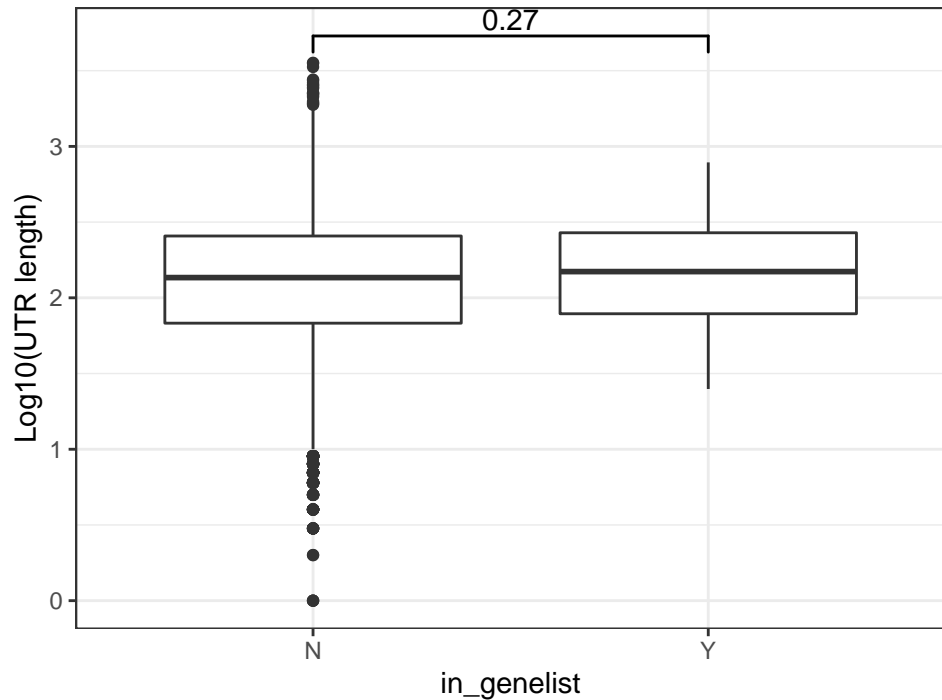


## 5 Genelist: berg\_xd

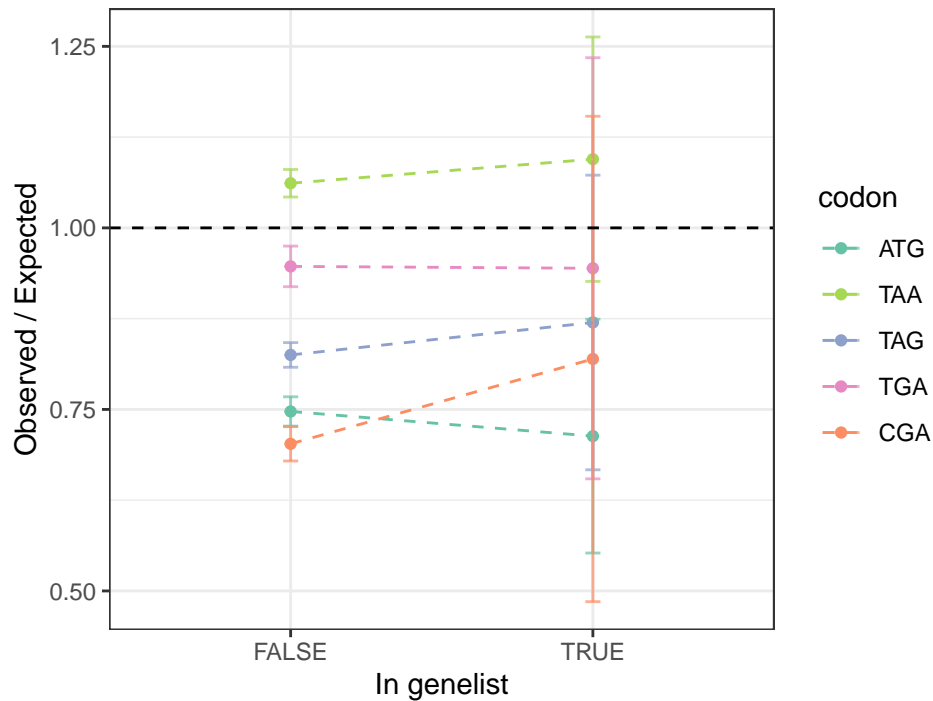




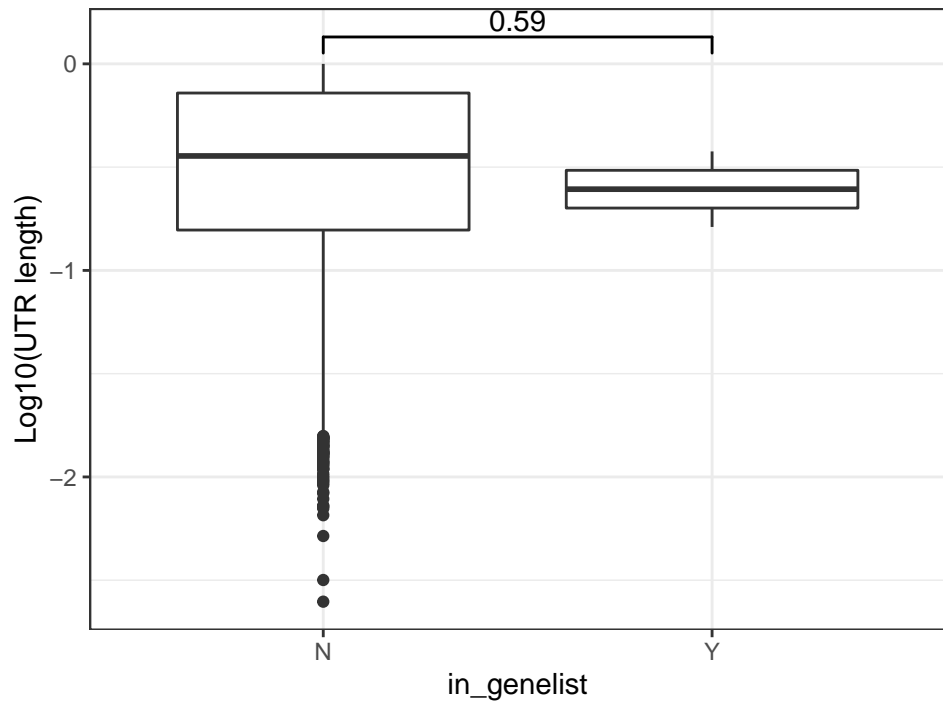
## 5 Genelist: berg\_xd



## 5 Genelist: berg\_xr

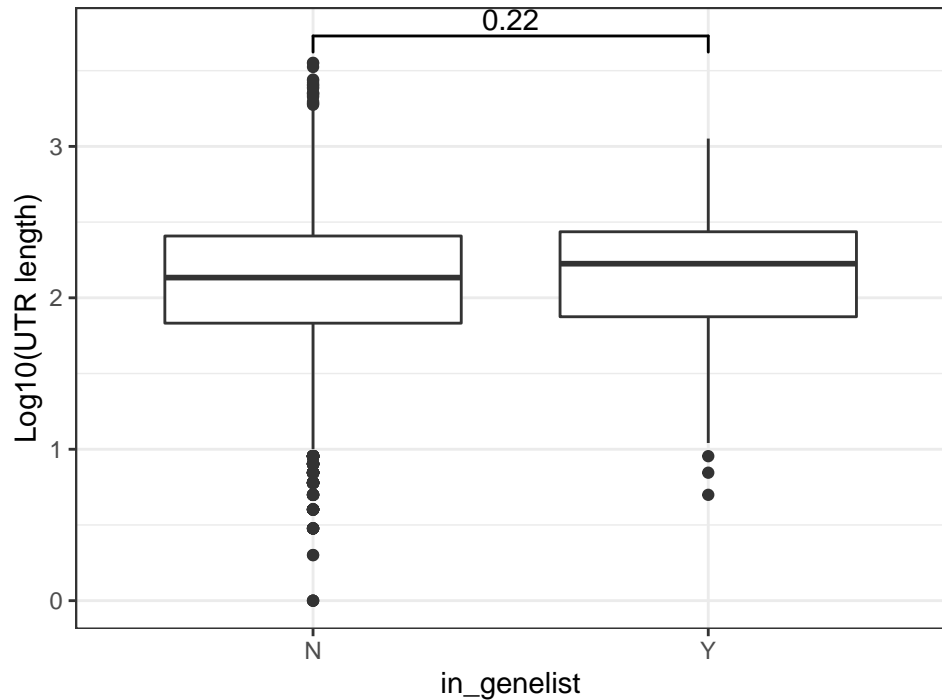


# 5 Genelist: berg\_xr

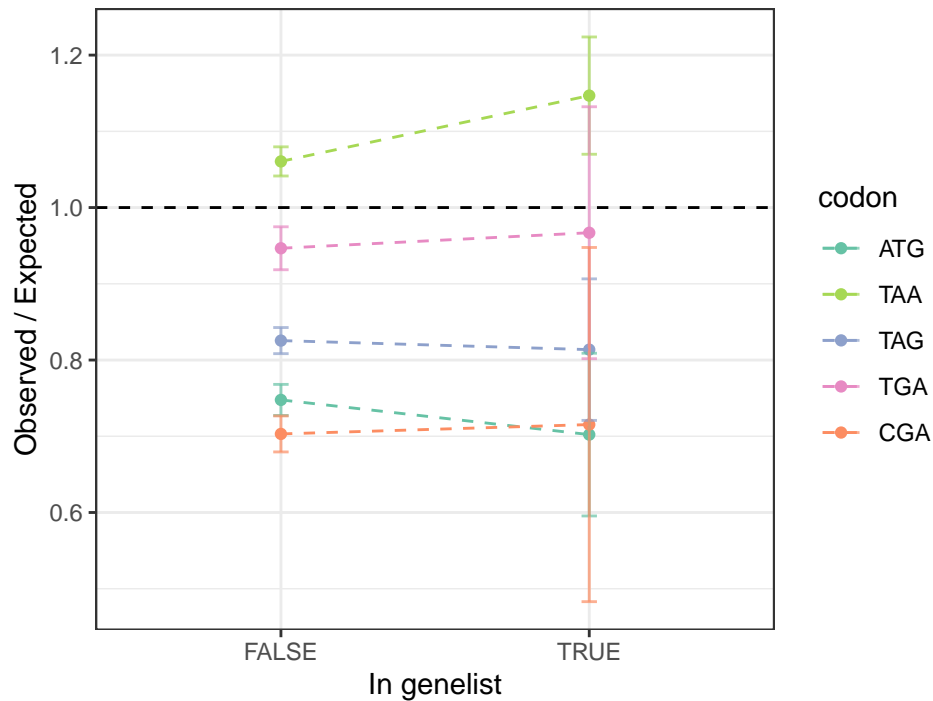




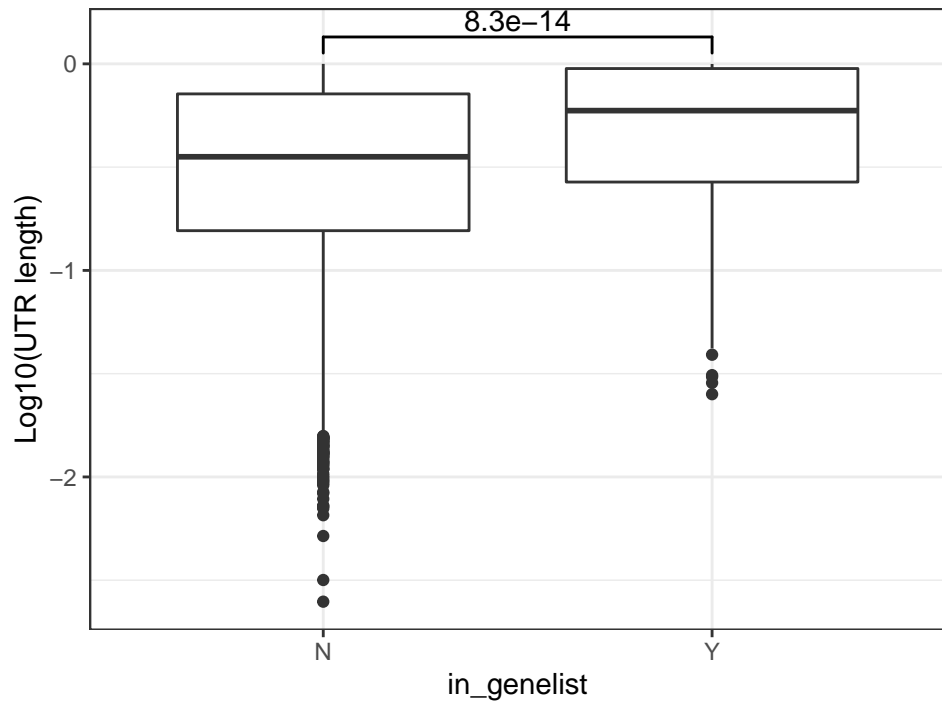
## 5 Genelist: berg\_xr



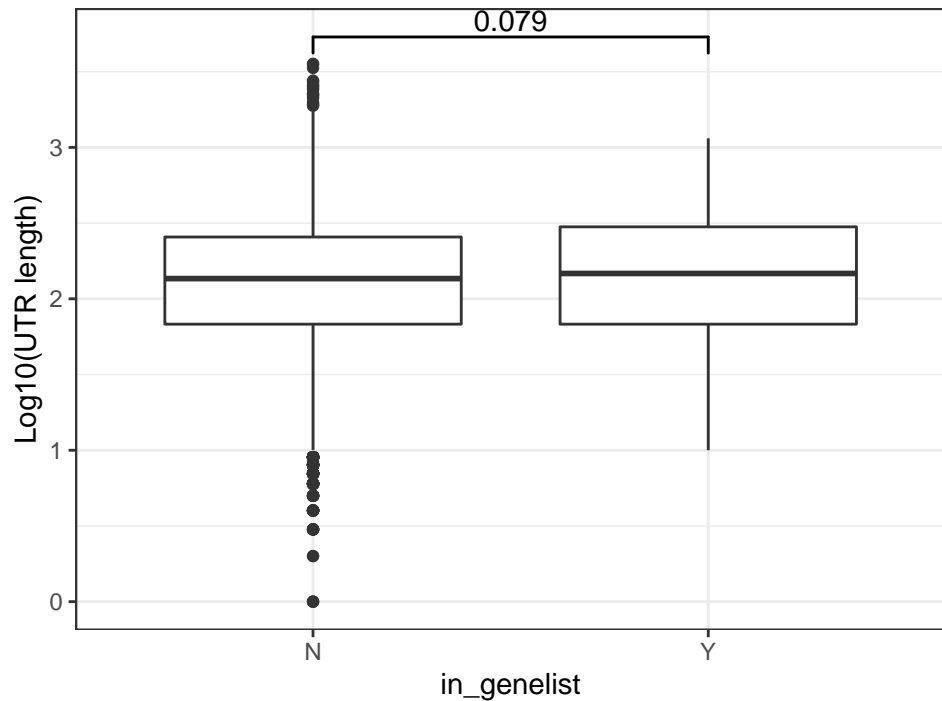
## 5 Genelist: blekhman\_ad



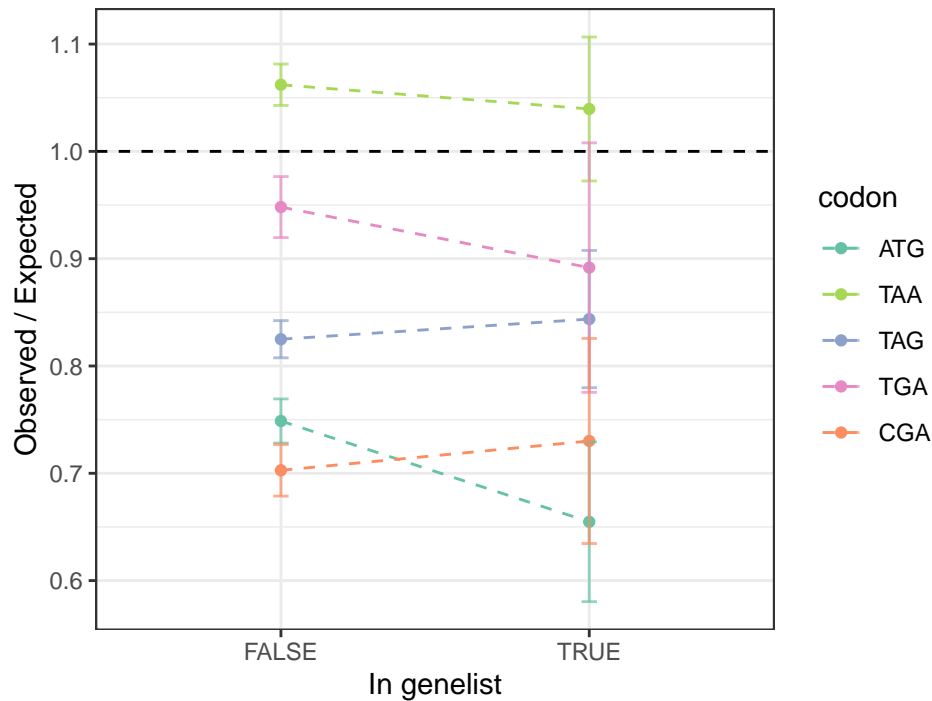
# 5 Genelist: blekhman\_ad



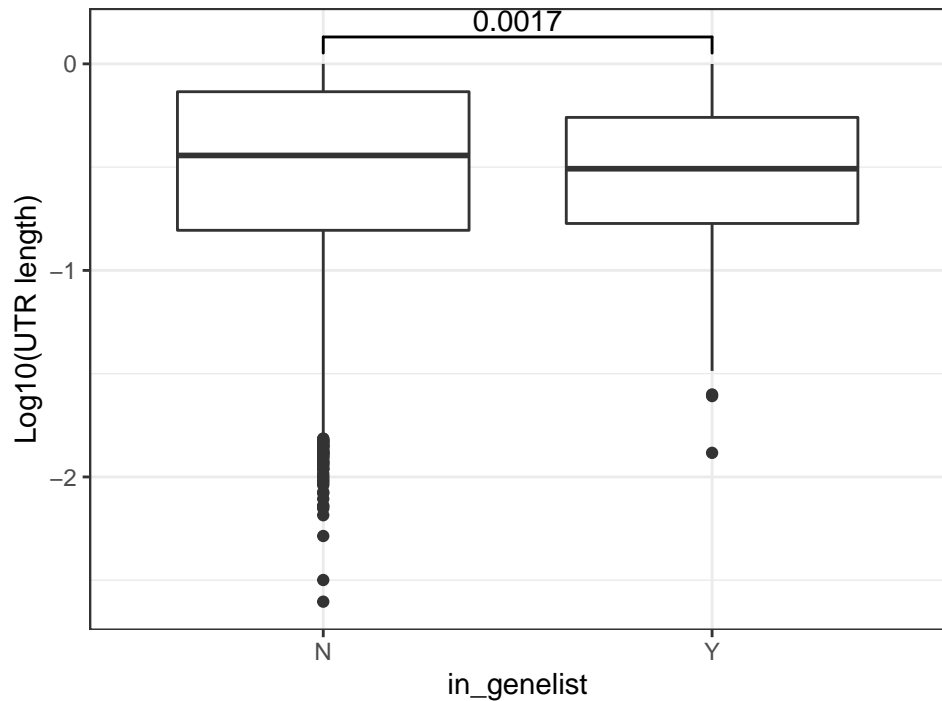
## 5 Genelist: blekhman\_ad



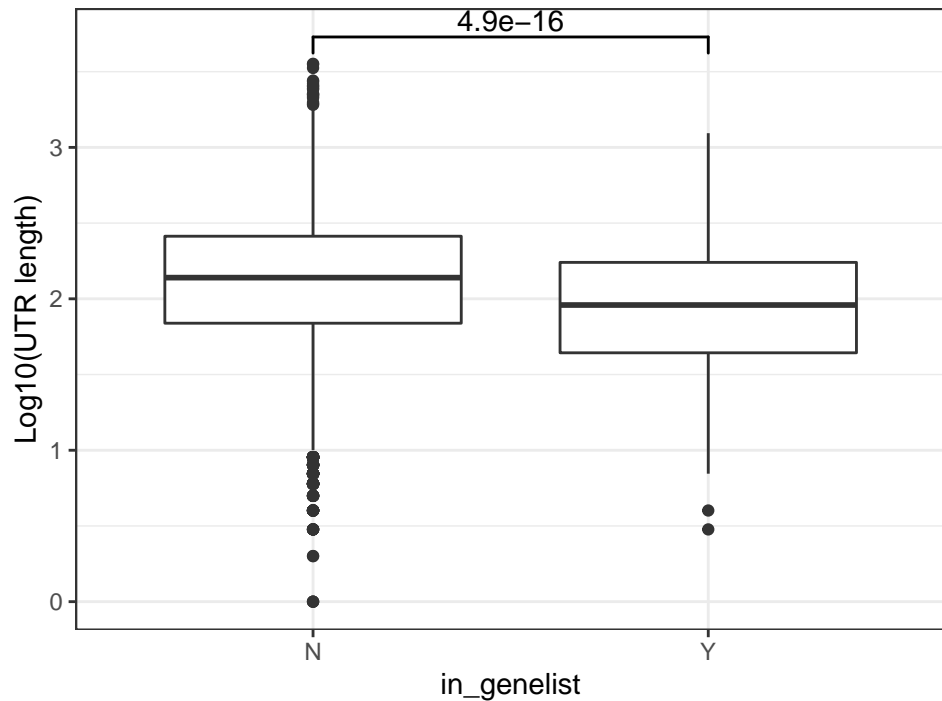
## 5 Genelist: blekhman\_ar



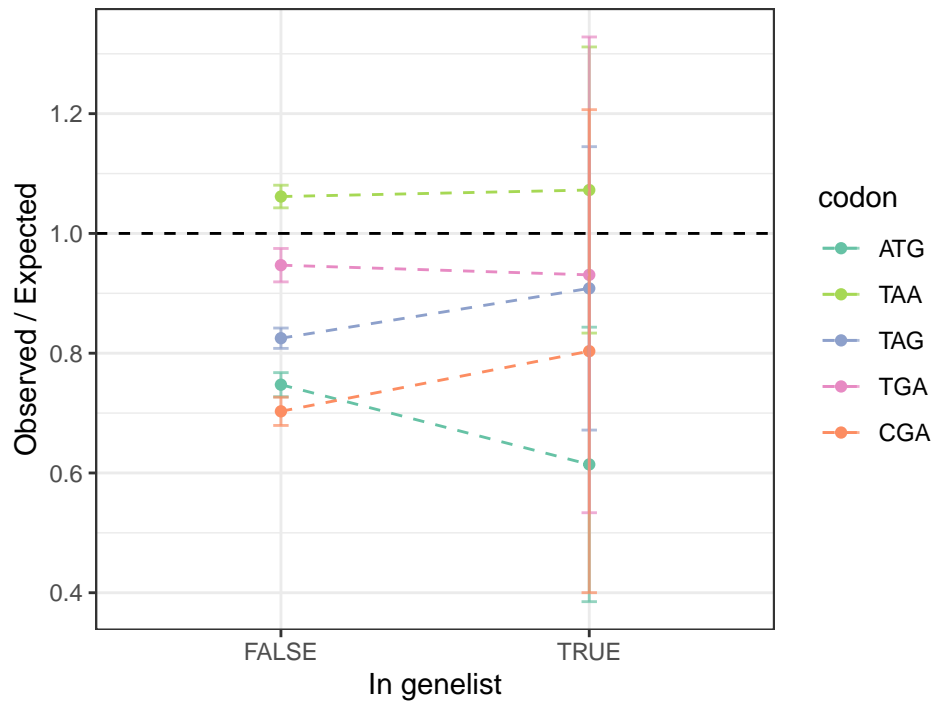
# 5 Genelist: blekhman\_ar



## 5 Genelist: blekhman\_ar

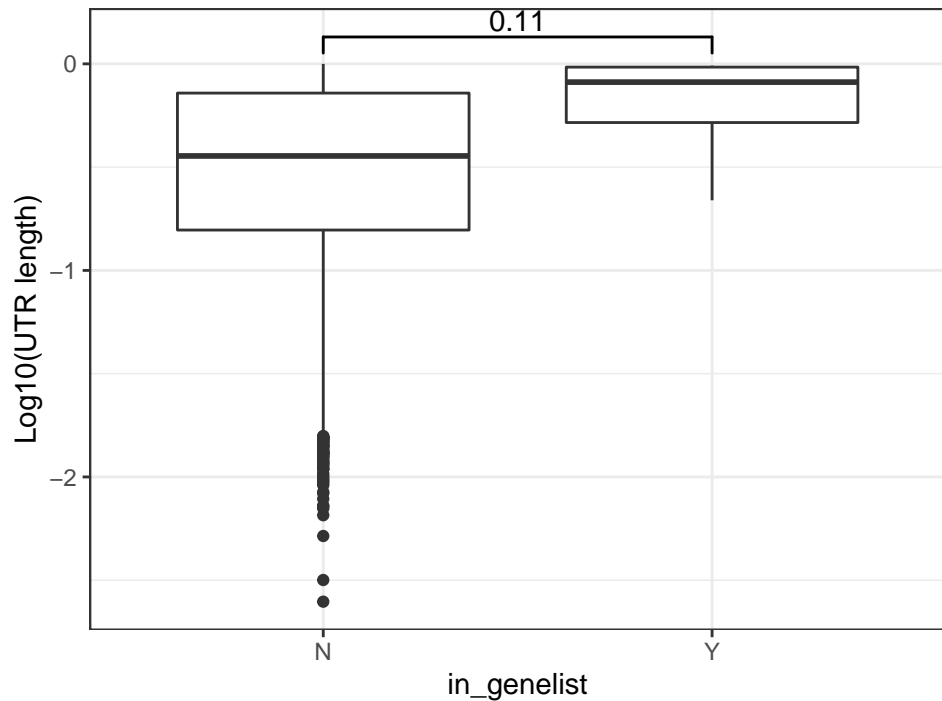


## 5 Genelist: blekhman\_x

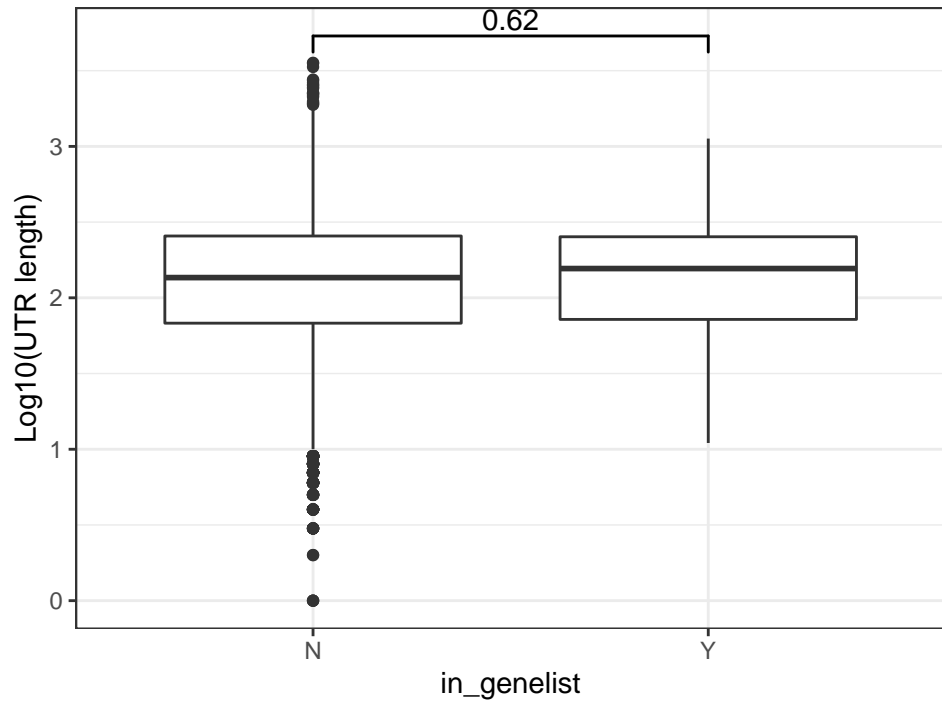




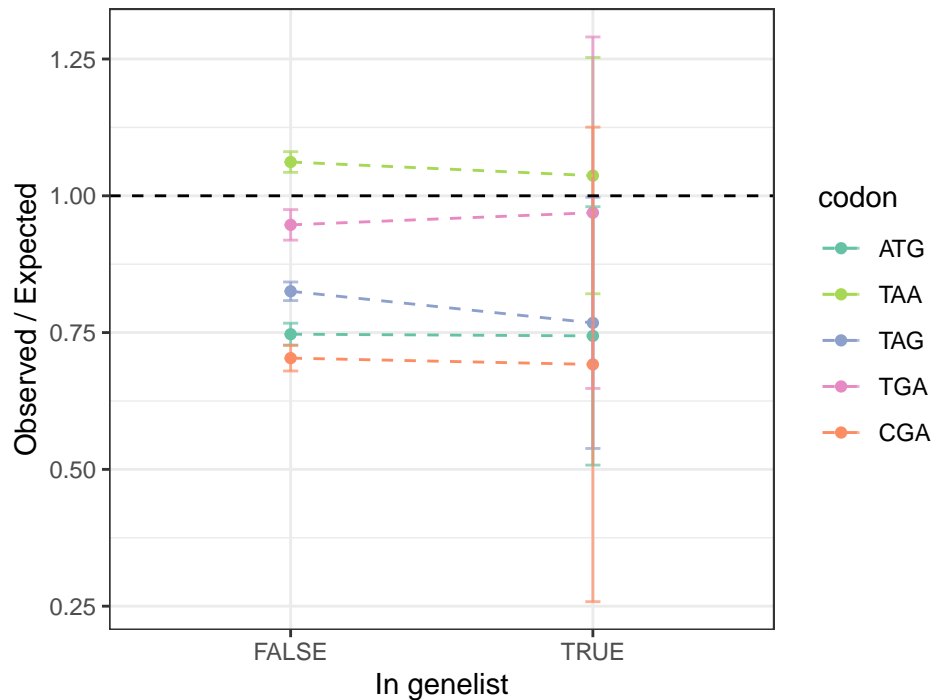
# 5 Genelist: blekhman\_x



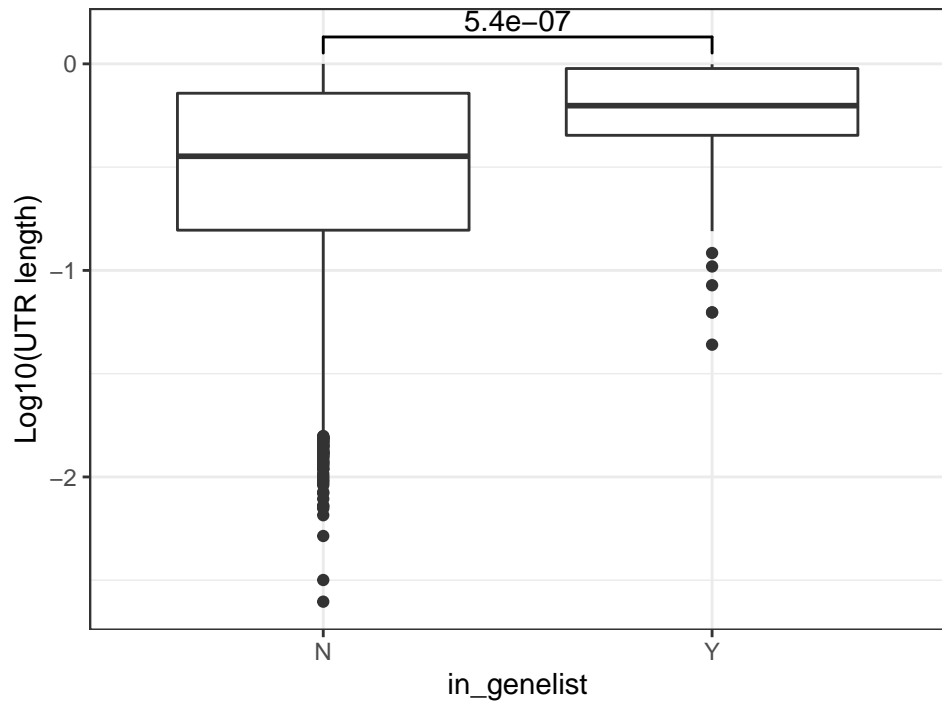
## 5 Genelist: blekhman\_x



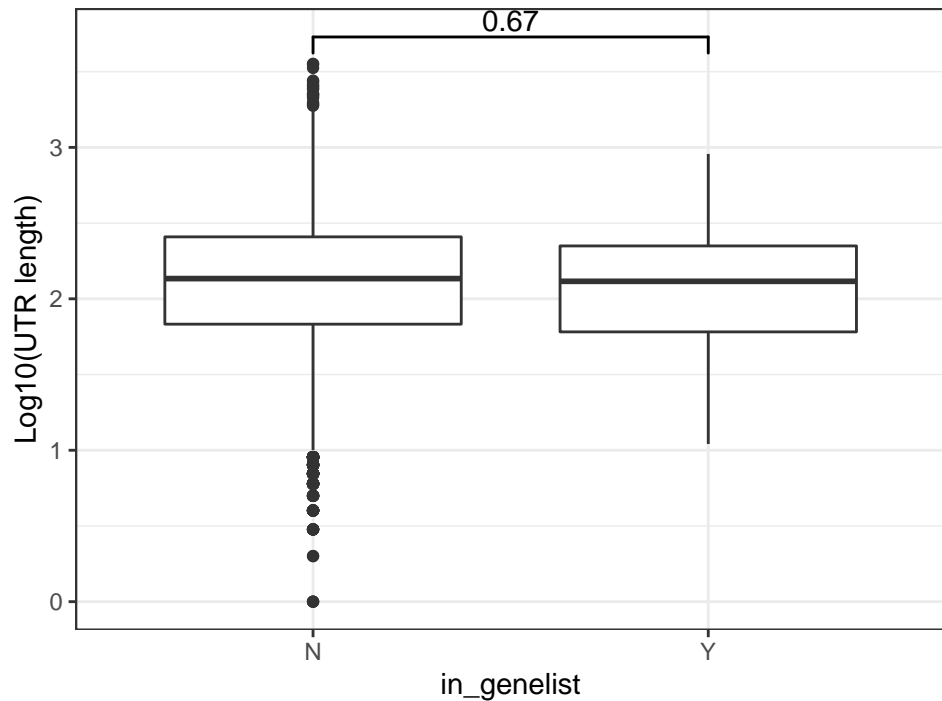
# 5 Genelist: BROCA\_Cancer\_Risk\_Panel



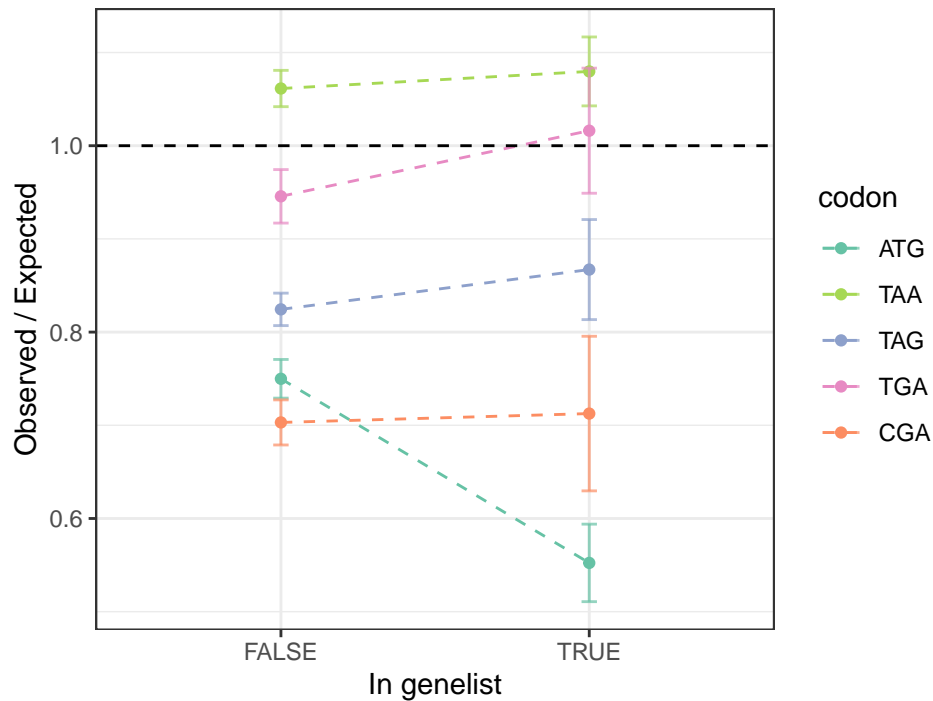
# 5 Genelist: BROCA\_Cancer\_Risk\_Panel



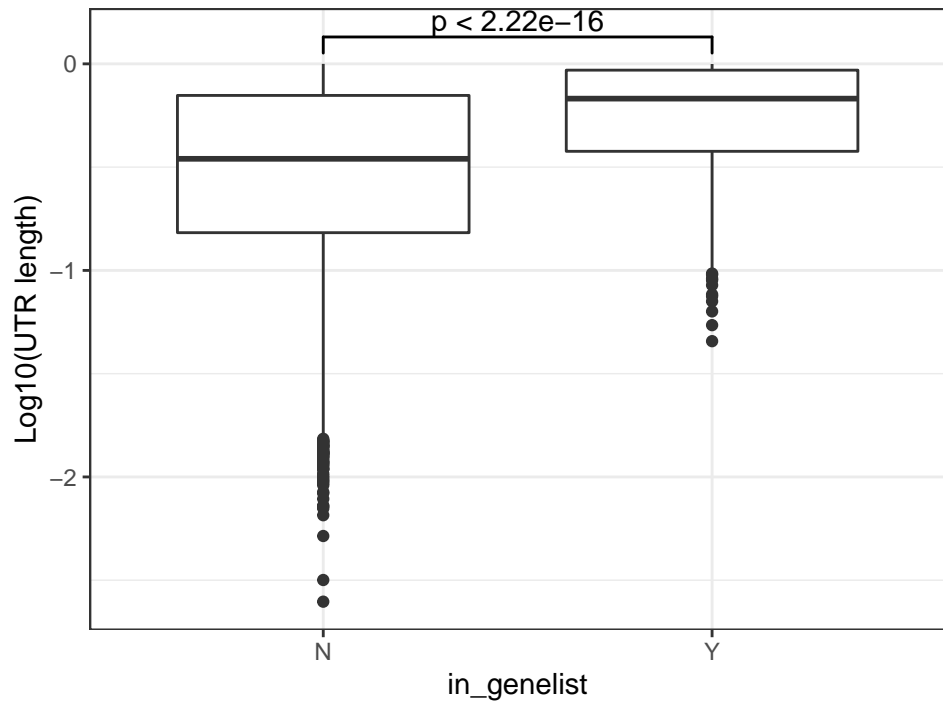
## 5 Genelist: BROCA\_Cancer\_Risk\_Panel



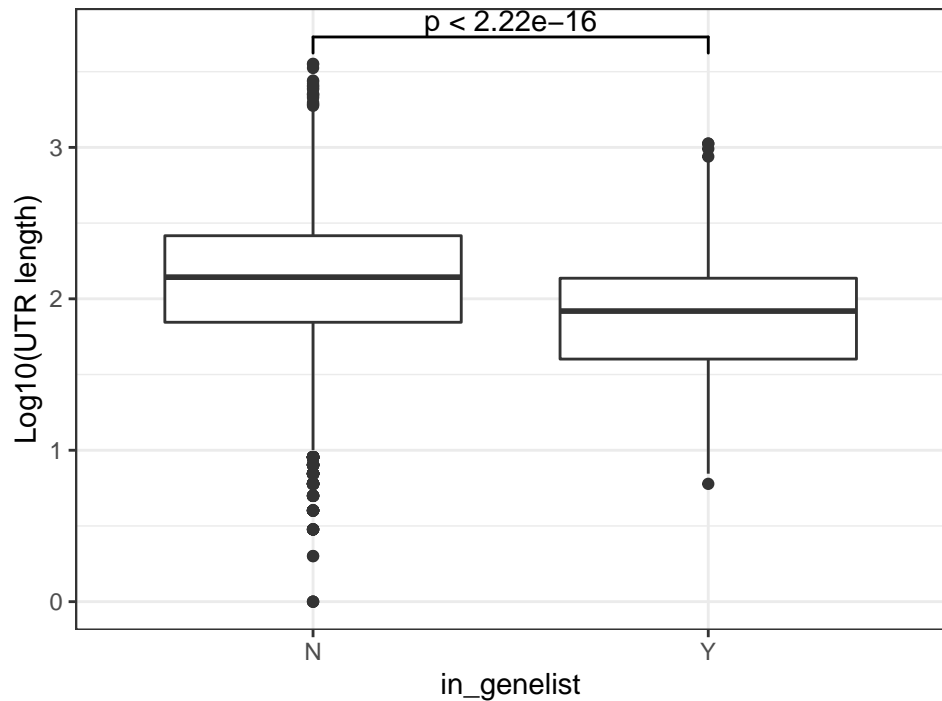
## 5 Genelist: CEGv2\_subset\_universe



# 5 Genelist: CEGv2\_subset\_universe

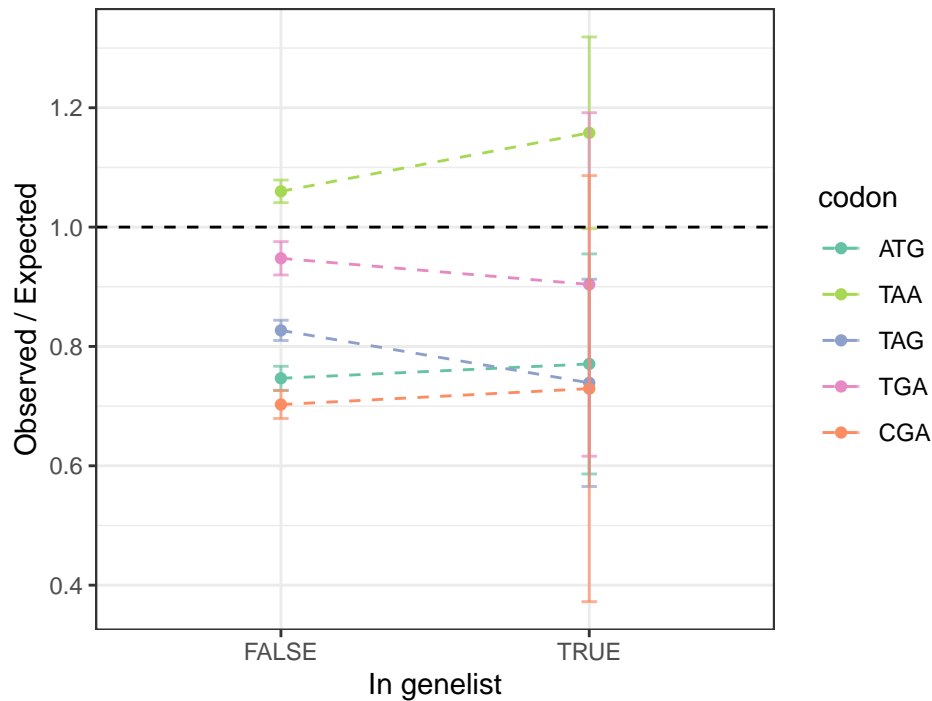


## 5 Genelist: CEGv2\_subset\_universe

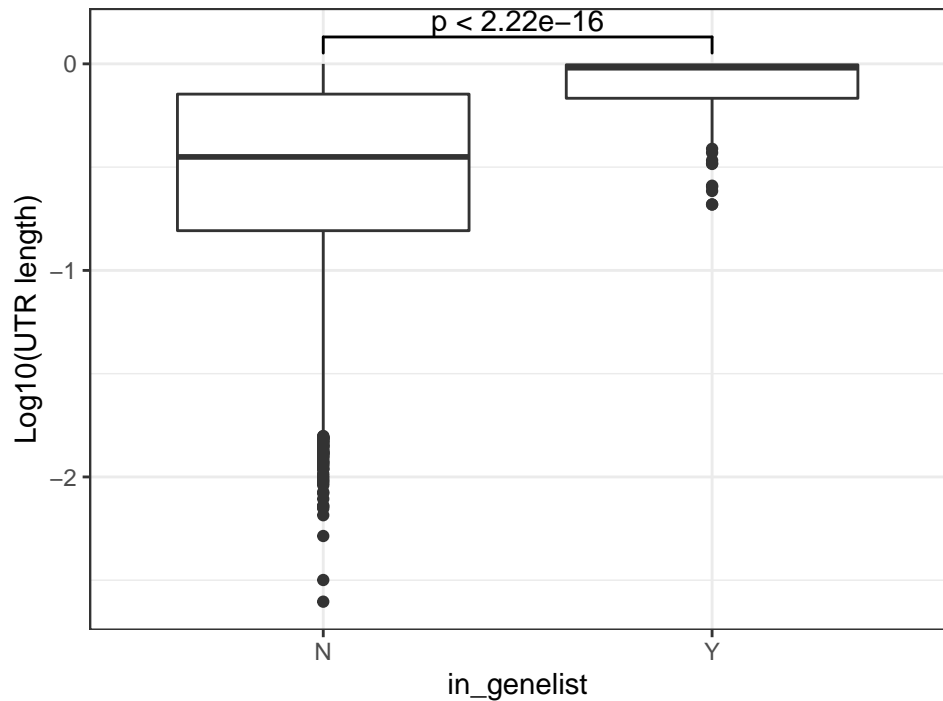




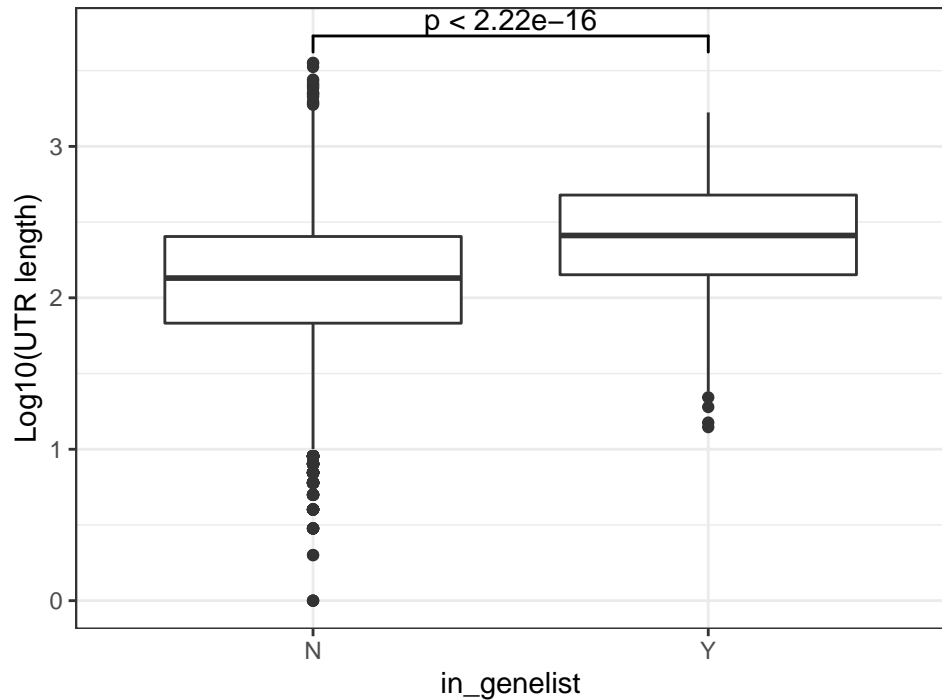
# 5 Genelist: clingen\_level3\_genes\_2015\_02\_27



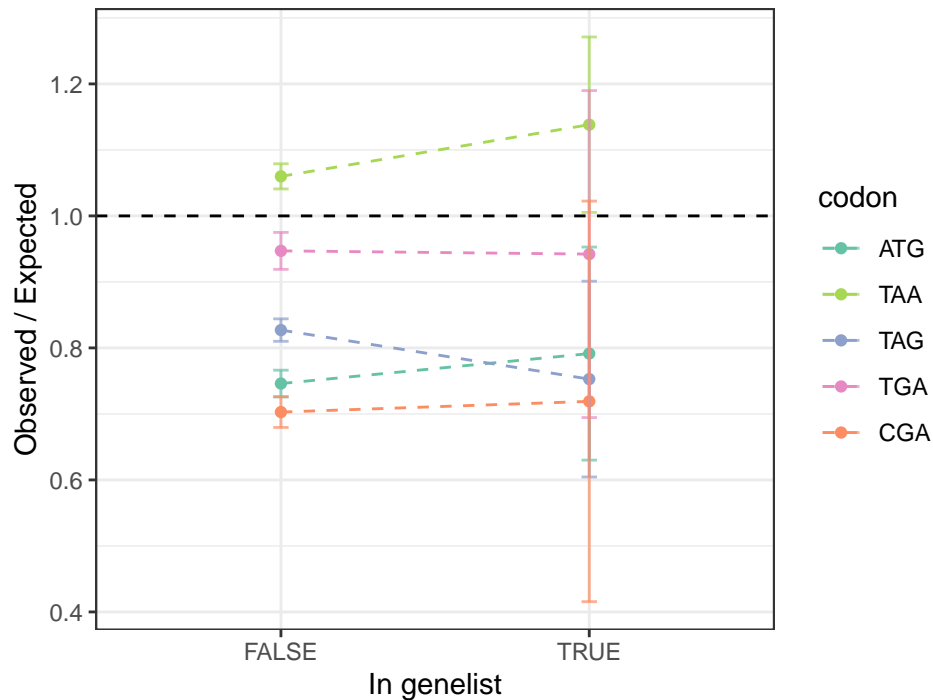
# 5 Genelist: clingen\_level3\_genes\_2015\_02\_27



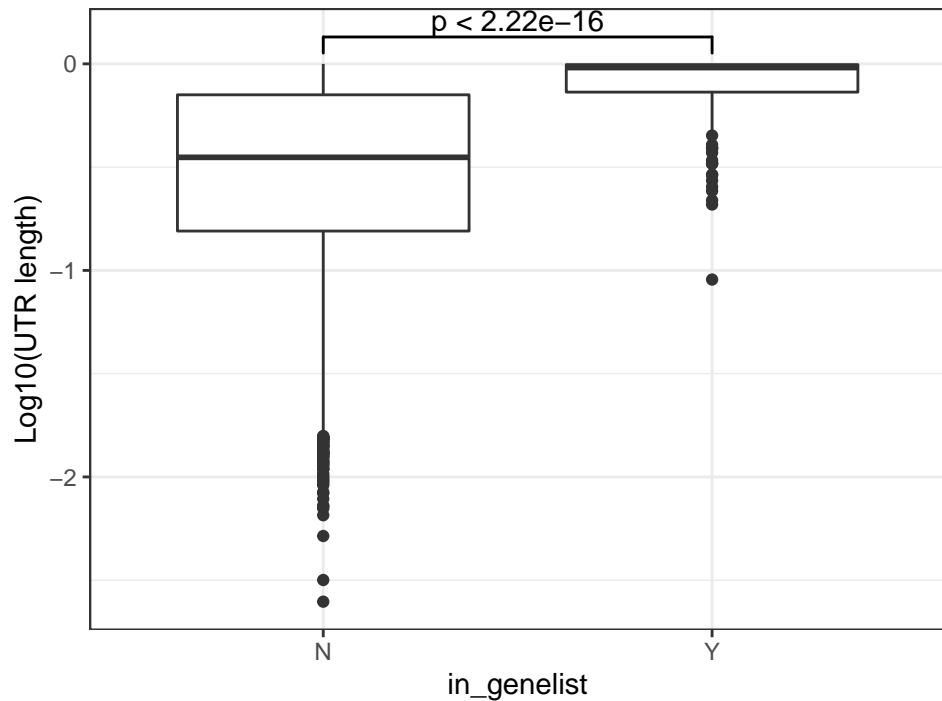
# 5 Genelist: clingen\_level3\_genes\_2015\_02\_27



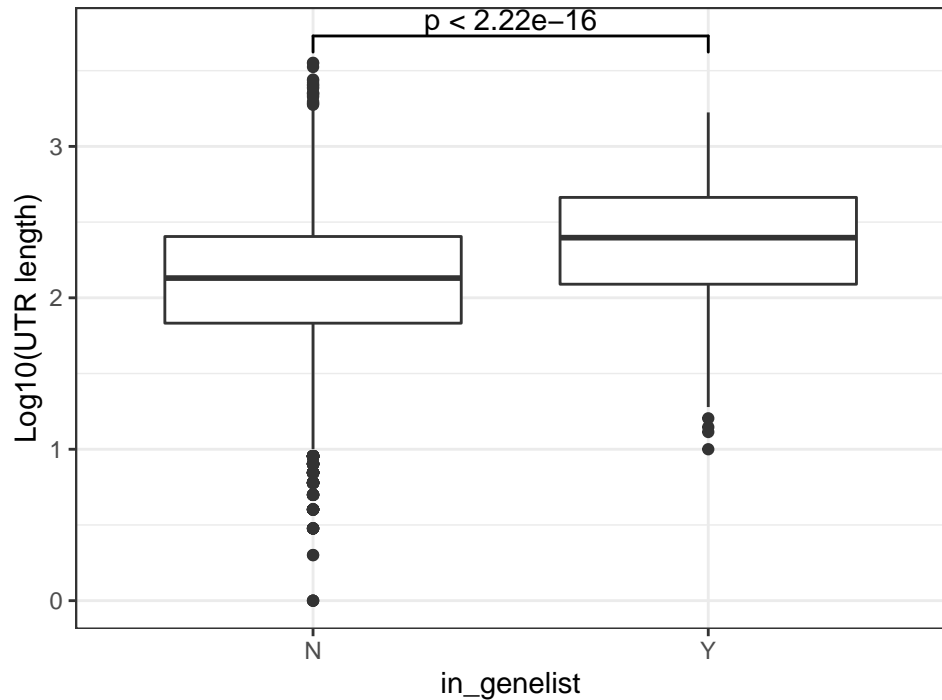
# 5 Genelist: clingen\_level3\_genes\_2018\_09\_13



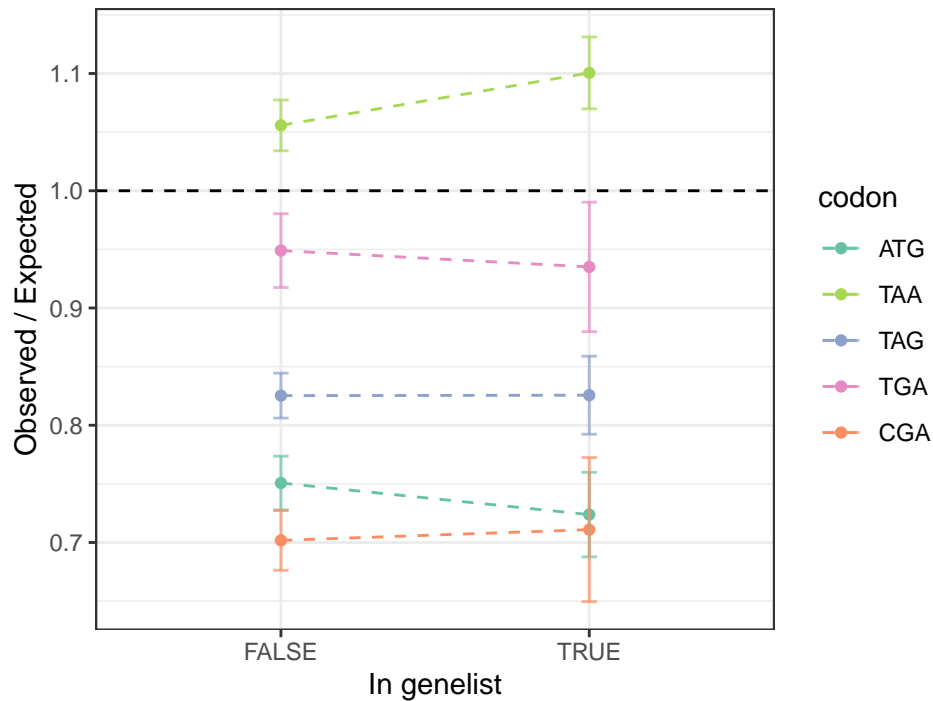
# 5 Genelist: clingen\_level3\_genes\_2018\_09\_13



# 5 Genelist: clingen\_level3\_genes\_2018\_09\_13



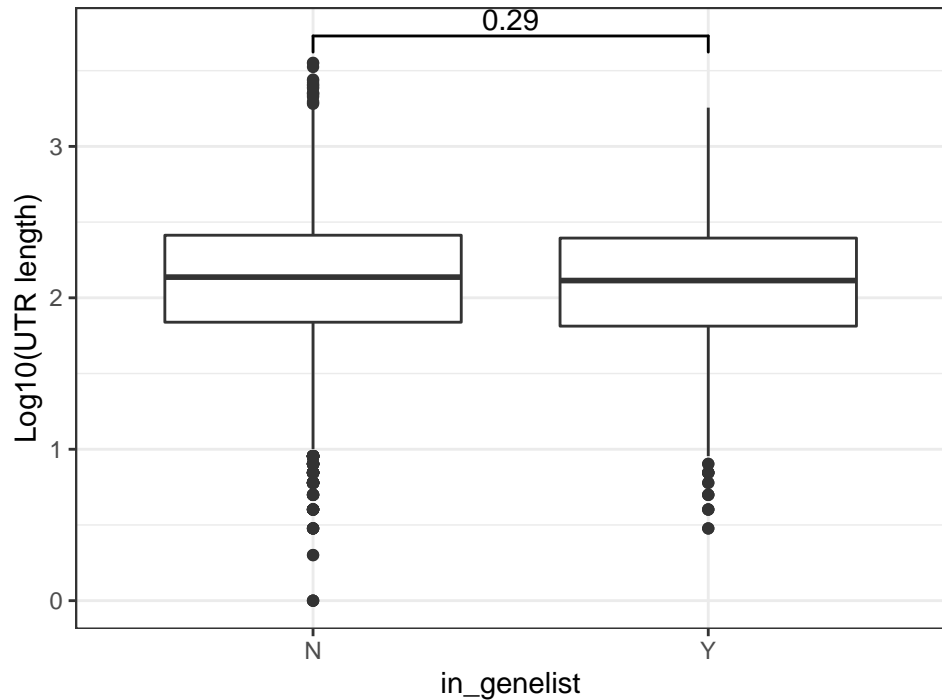
## 5 Genelist: clinvar\_path\_likelypath



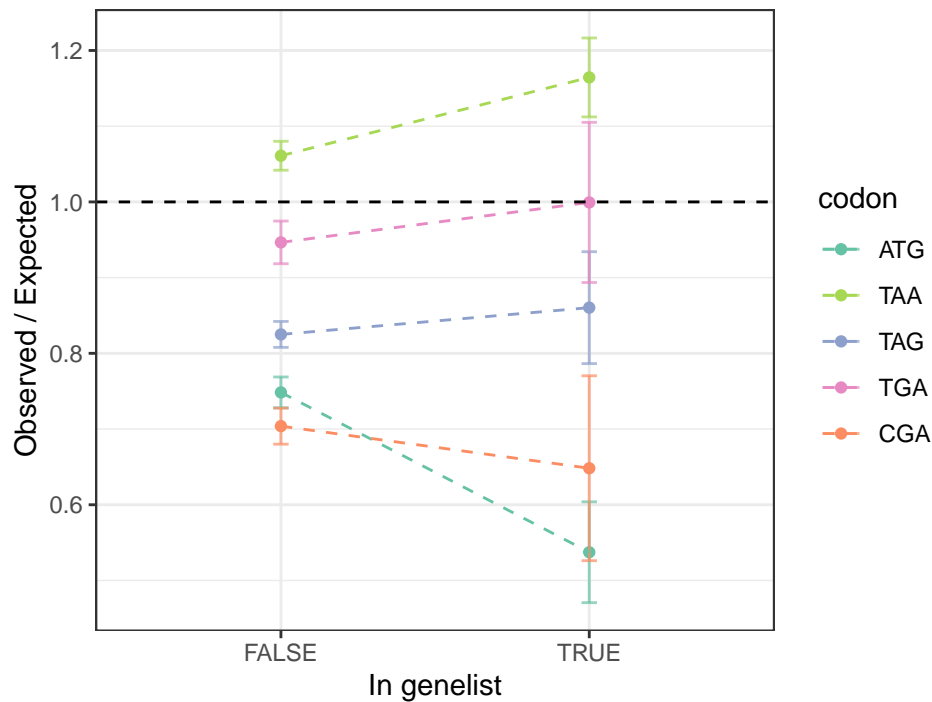




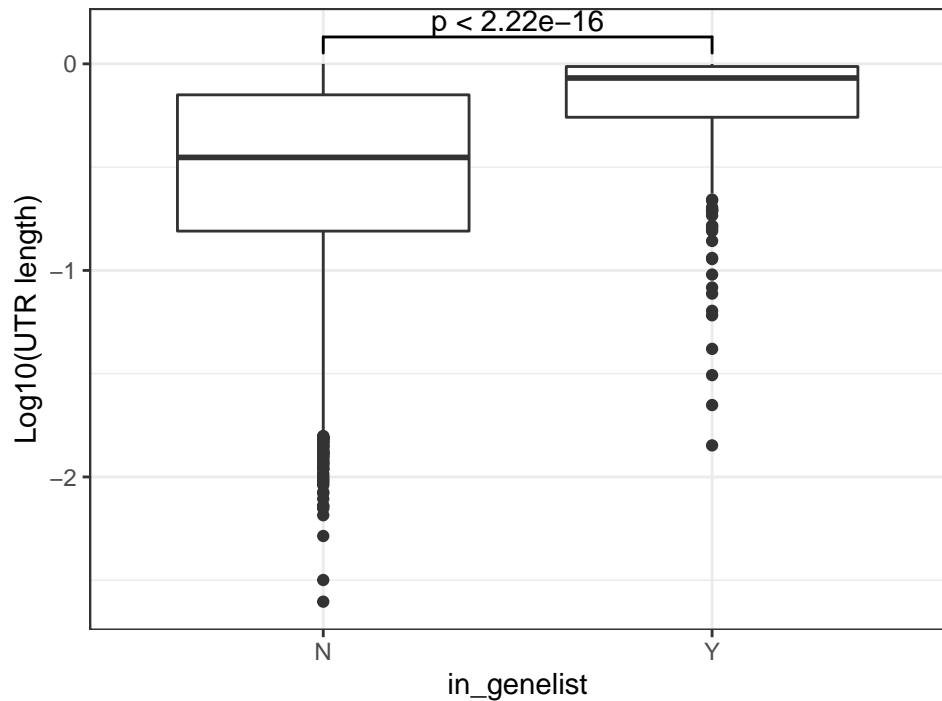
# 5 Genelist: clinvar\_path\_likelypath



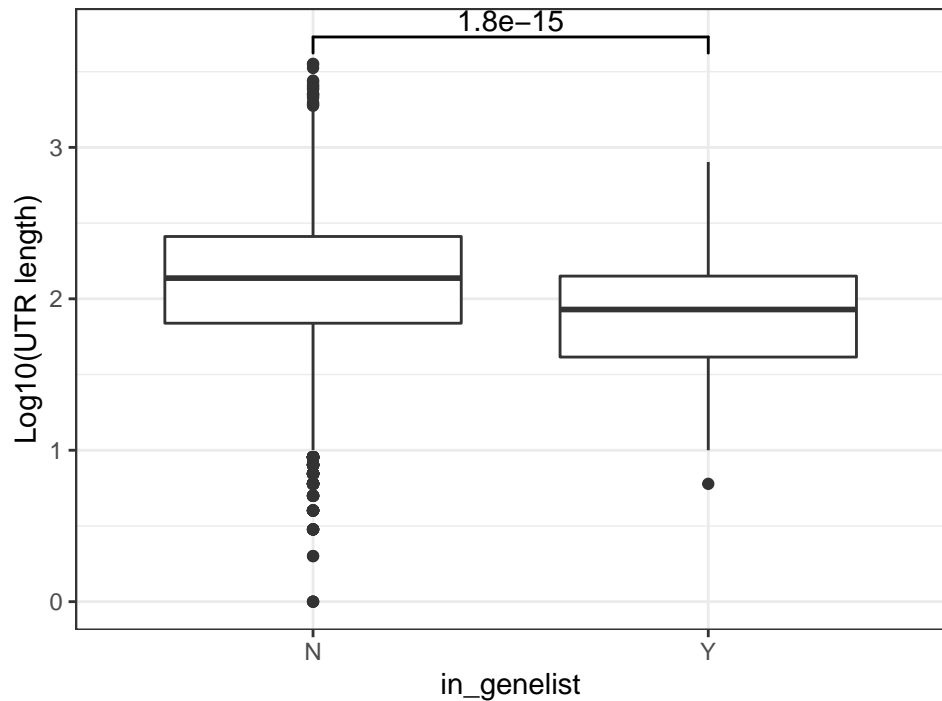
## 5 Genelist: core\_essentials\_hart



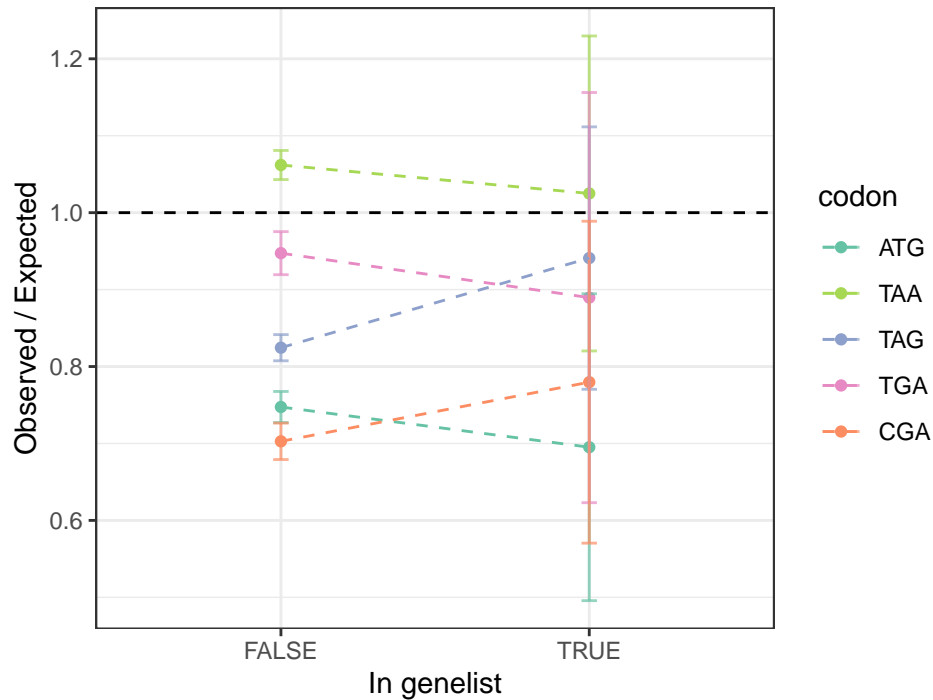
# 5 Genelist: core\_essentials\_hart



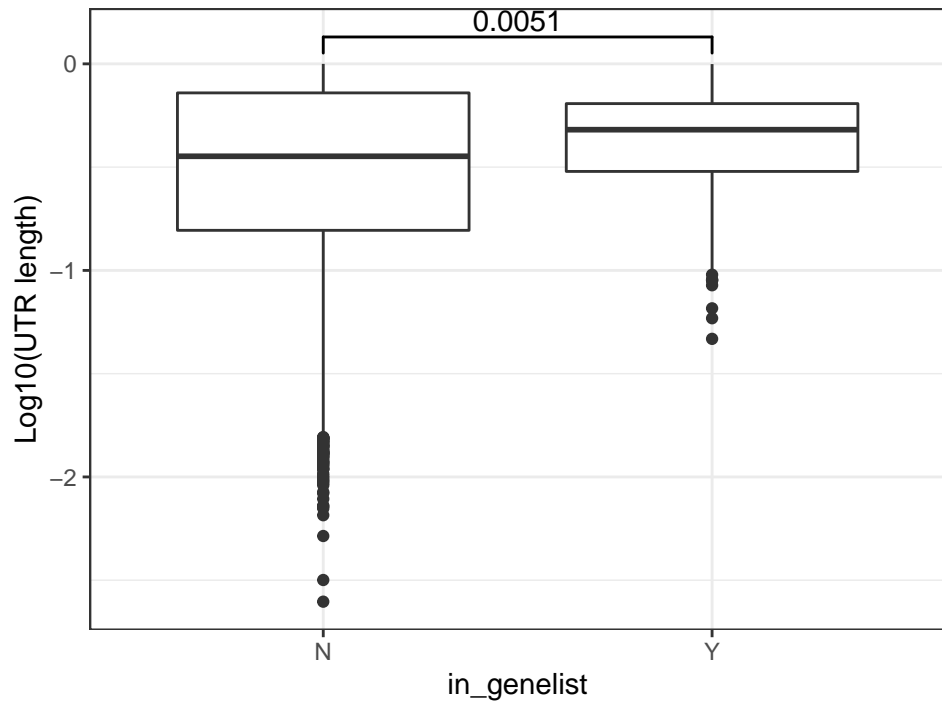
## 5 Genelist: core\_essentials\_hart



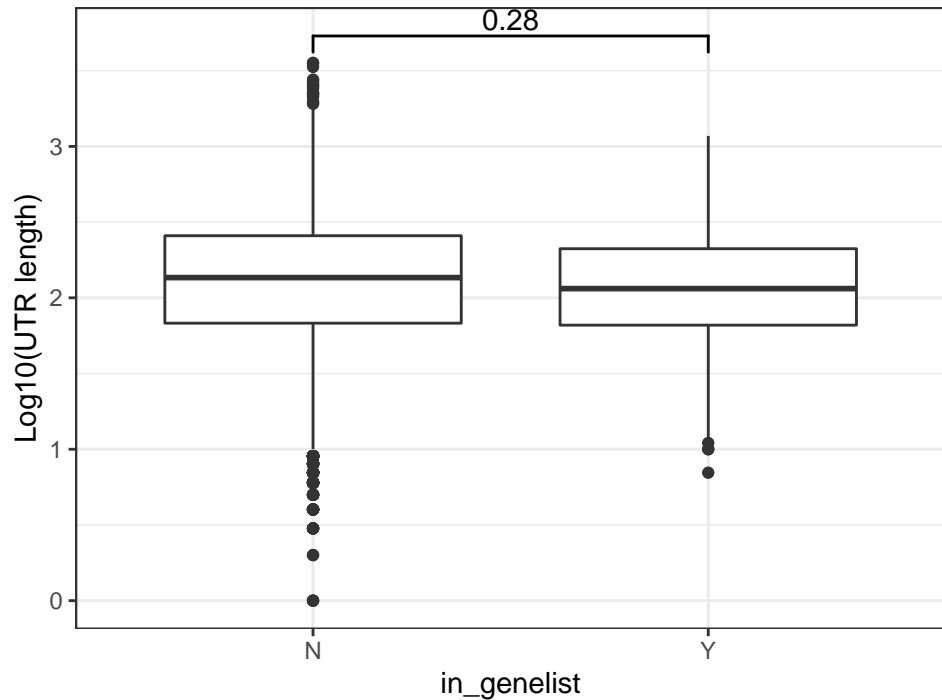
## 5 Genelist: DRG\_KangJ



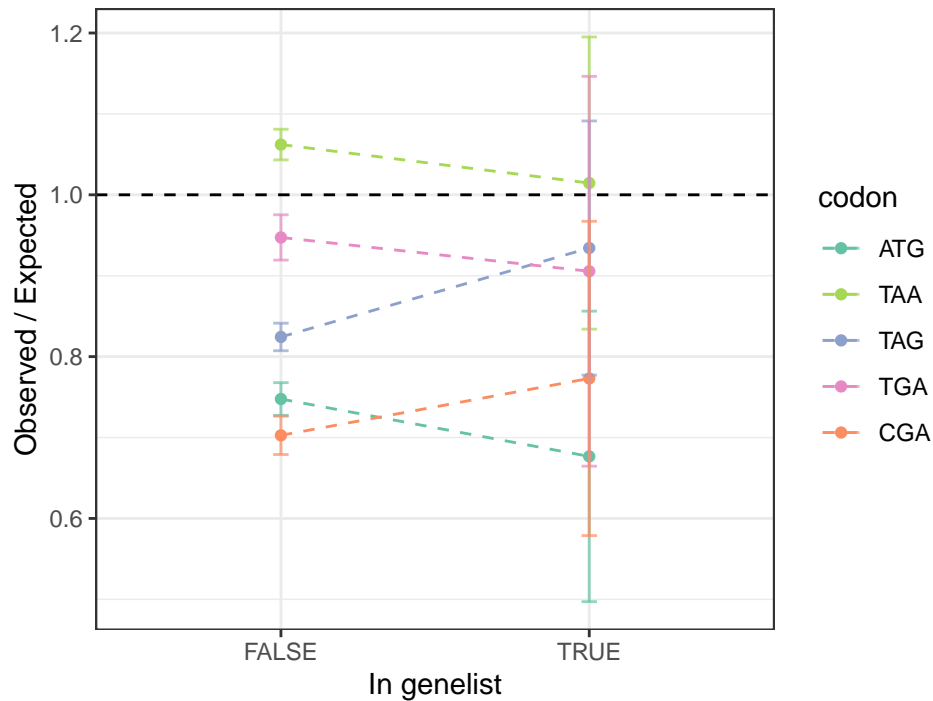
# 5 Genelist: DRG\_KangJ



## 5 Genelist: DRG\_KangJ

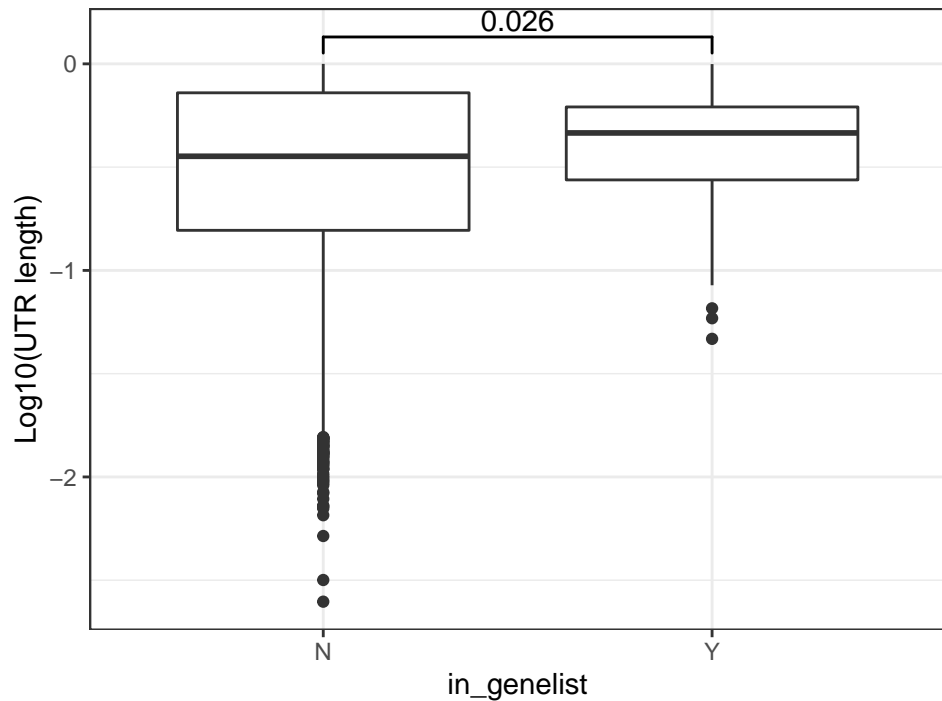


## 5 Genelist: DRG\_WoodRD

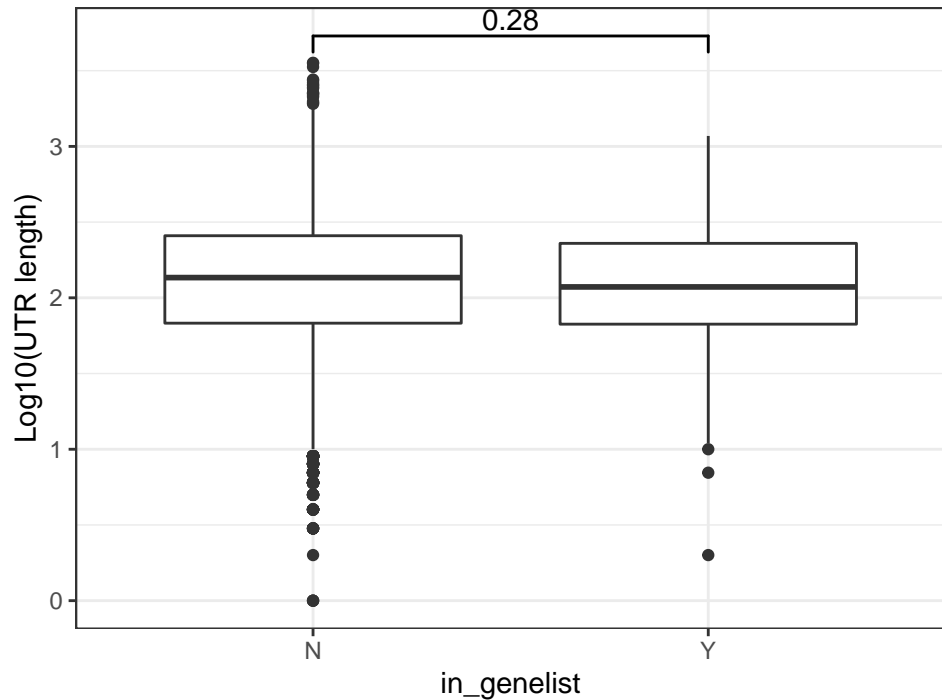




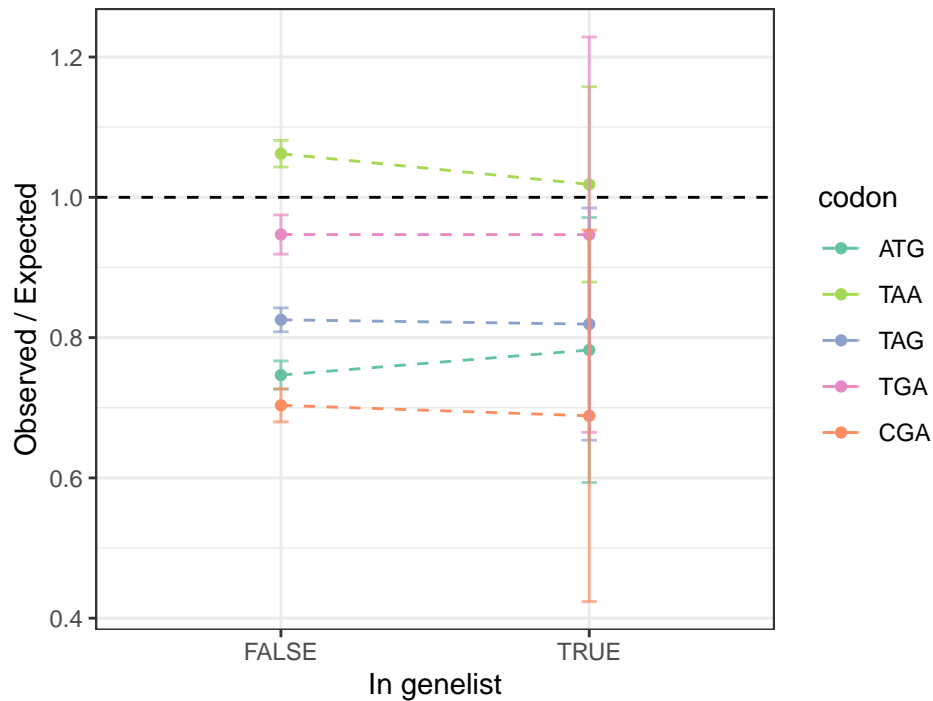
# 5 Genelist: DRG\_WoodRD



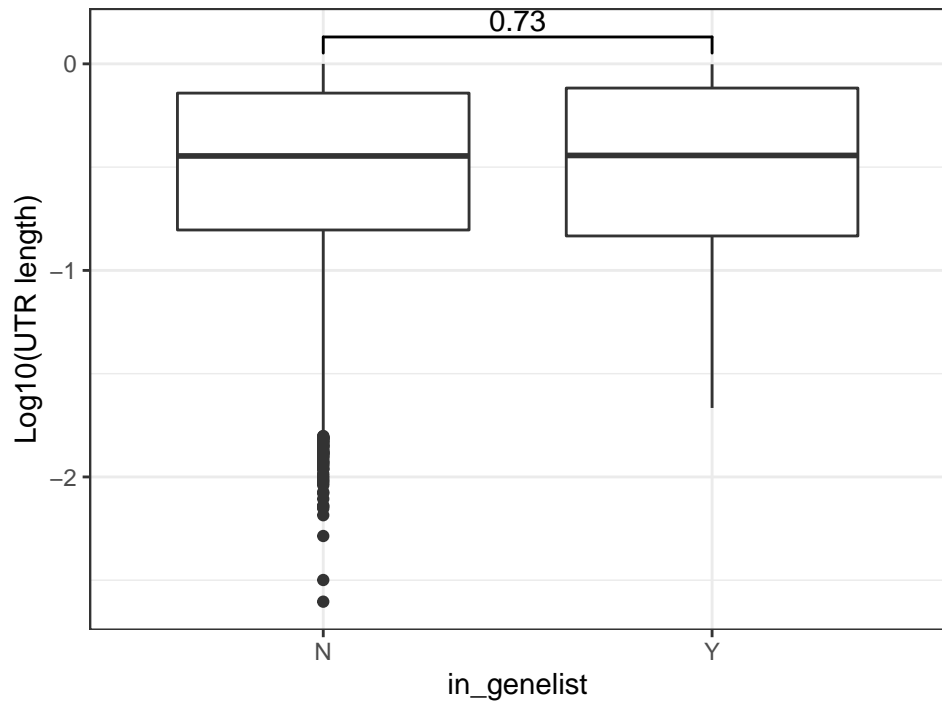
## 5 Genelist: DRG\_WoodRD



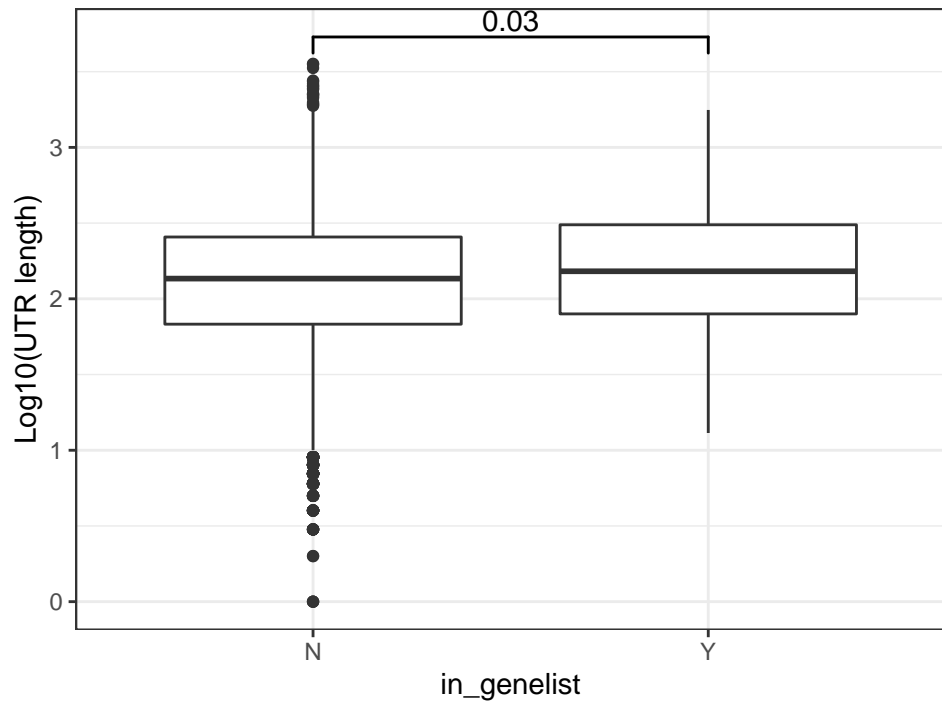
## 5 Genelist: drug\_targets\_nelson



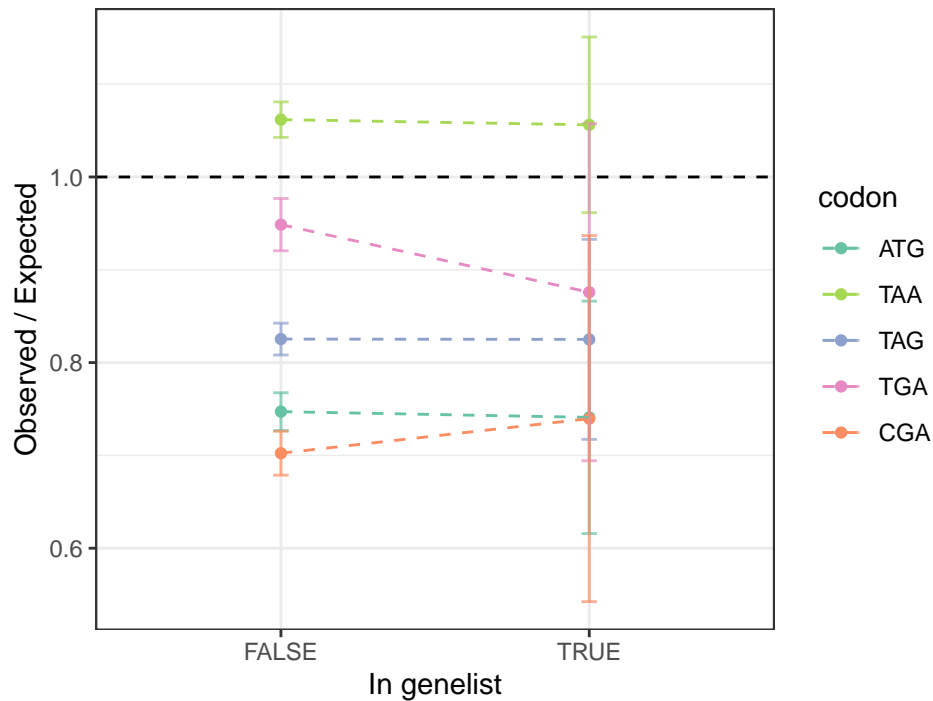
# 5 Genelist: drug\_targets\_nelson



## 5 Genelist: drug\_targets\_nelson

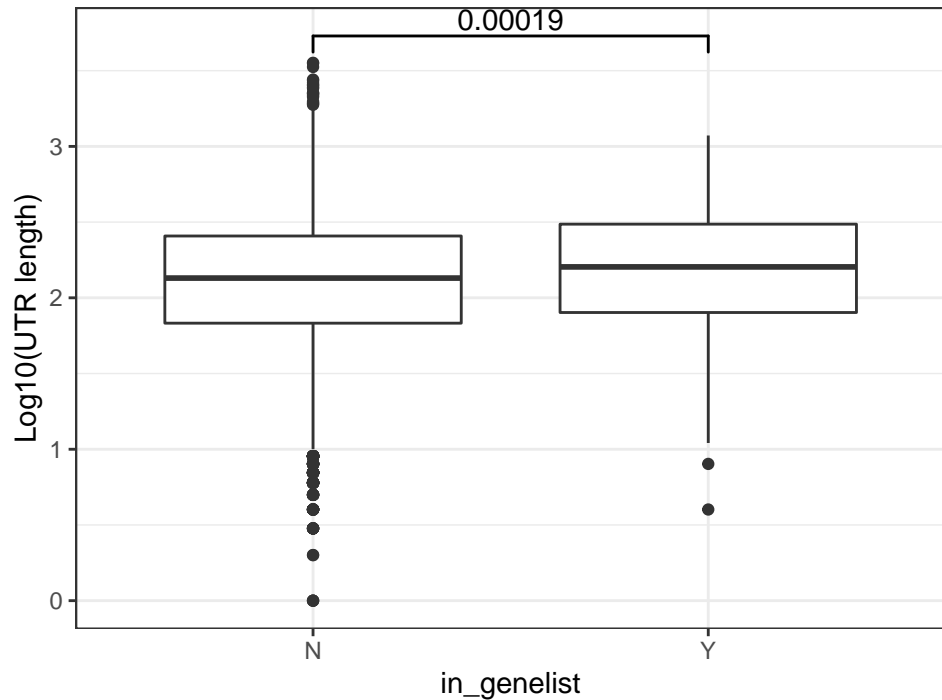


## 5 Genelist: fda\_approved\_drug\_targets



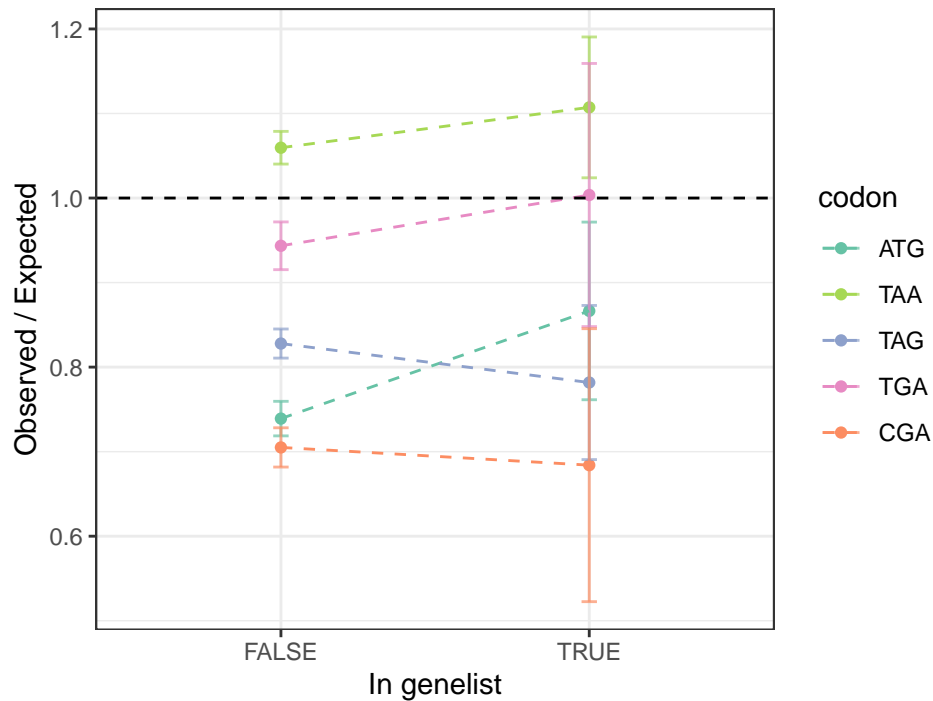


## 5 Genelist: fda\_approved\_drug\_targets

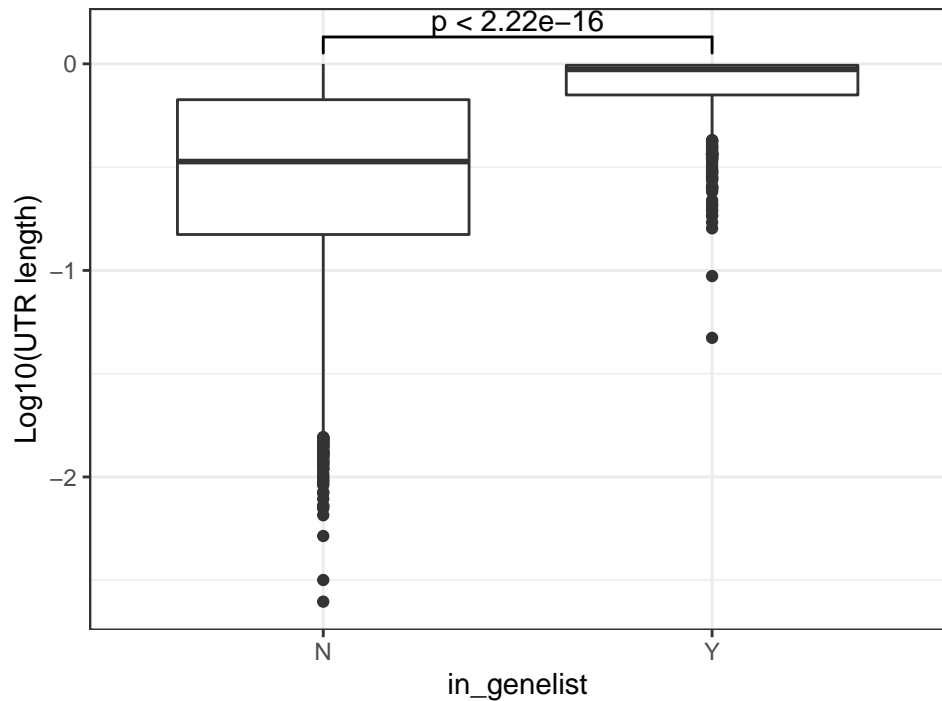




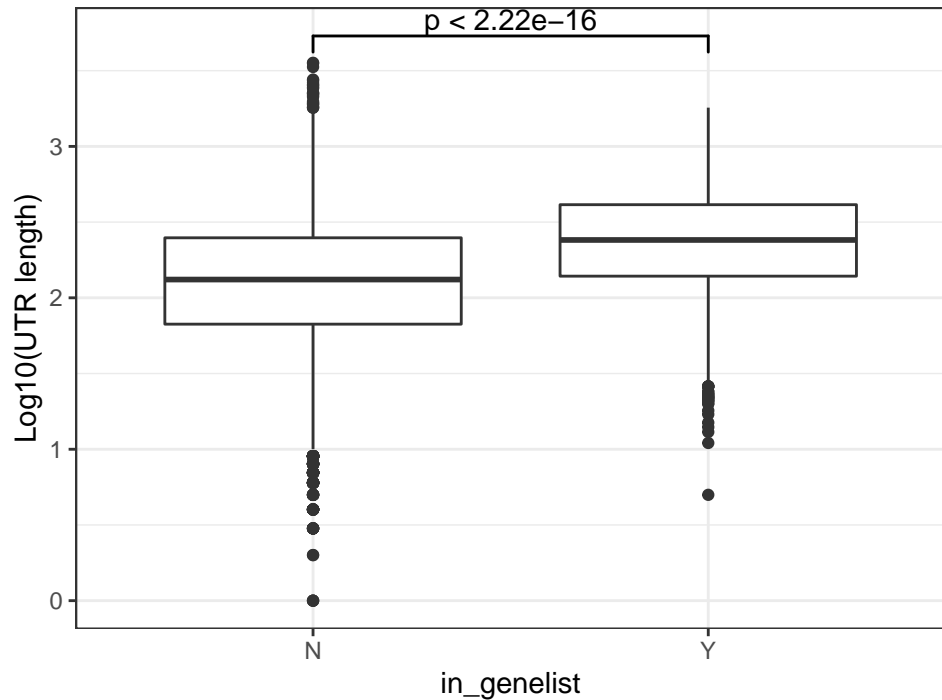
## 5 Genelist: fmrp\_list\_gencode



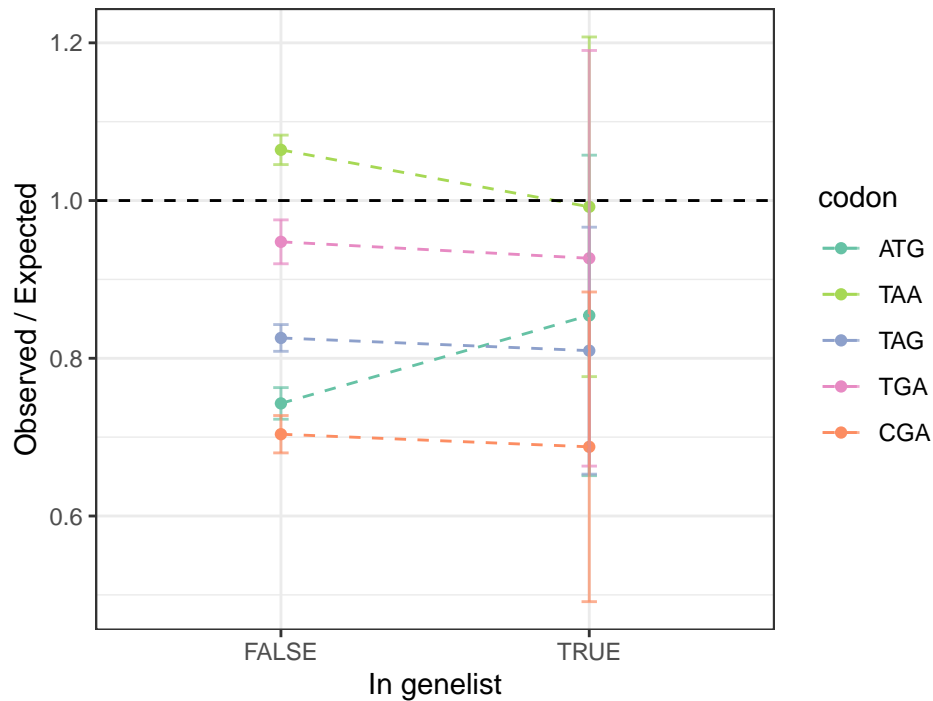
# 5 Genelist: fmrp\_list\_gencode



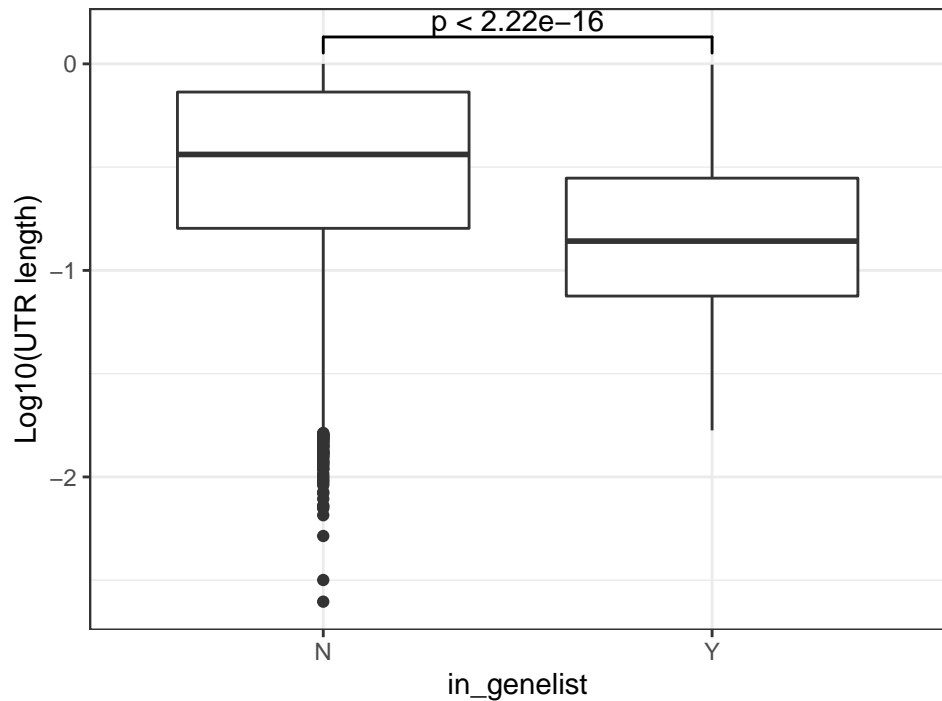
## 5 Genelist: fmrp\_list\_gencode



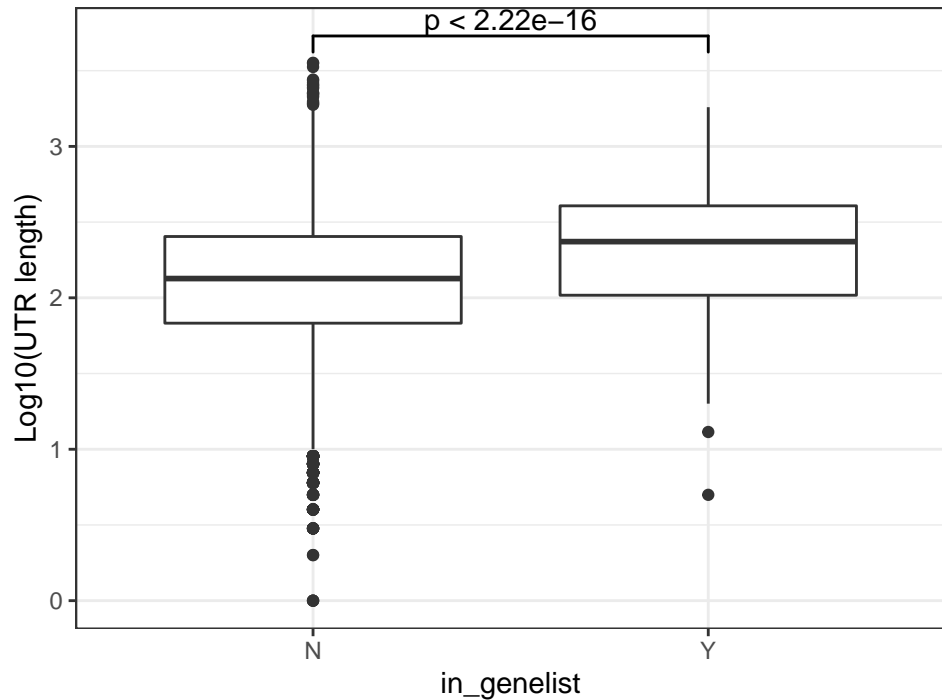
## 5 Genelist: gpcr\_guide



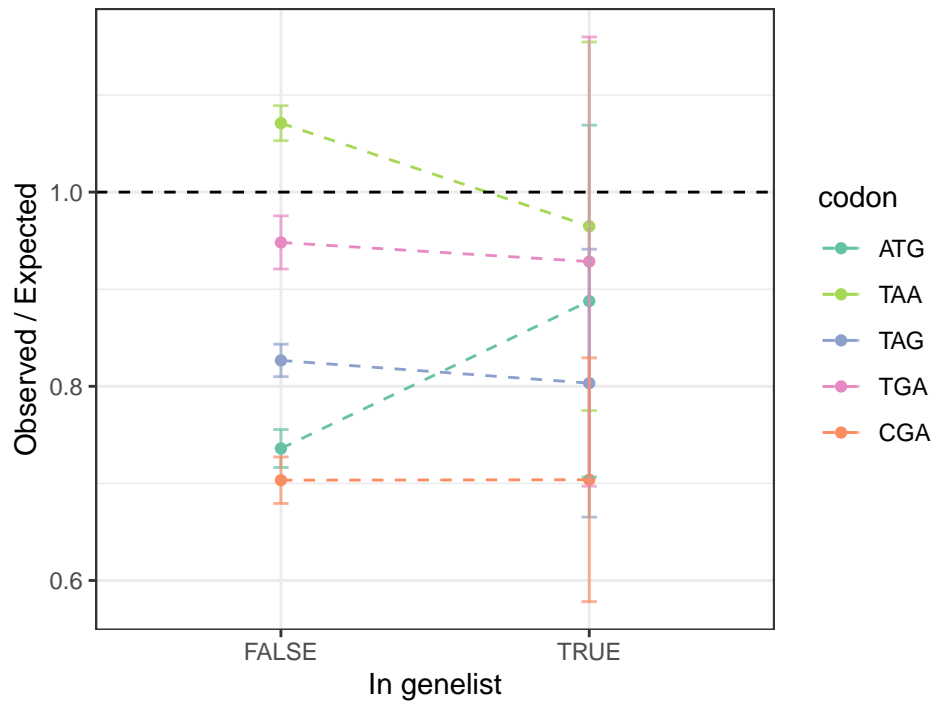
# 5 Genelist: gpcr\_guide



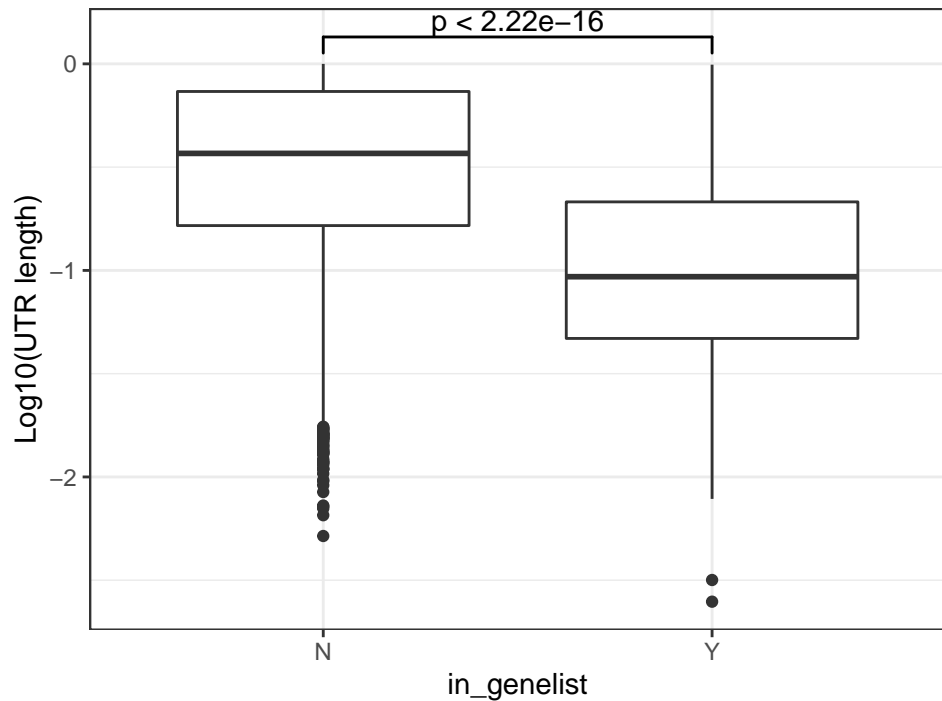
## 5 Genelist: gpcr\_guide



## 5 Genelist: gpcr\_union

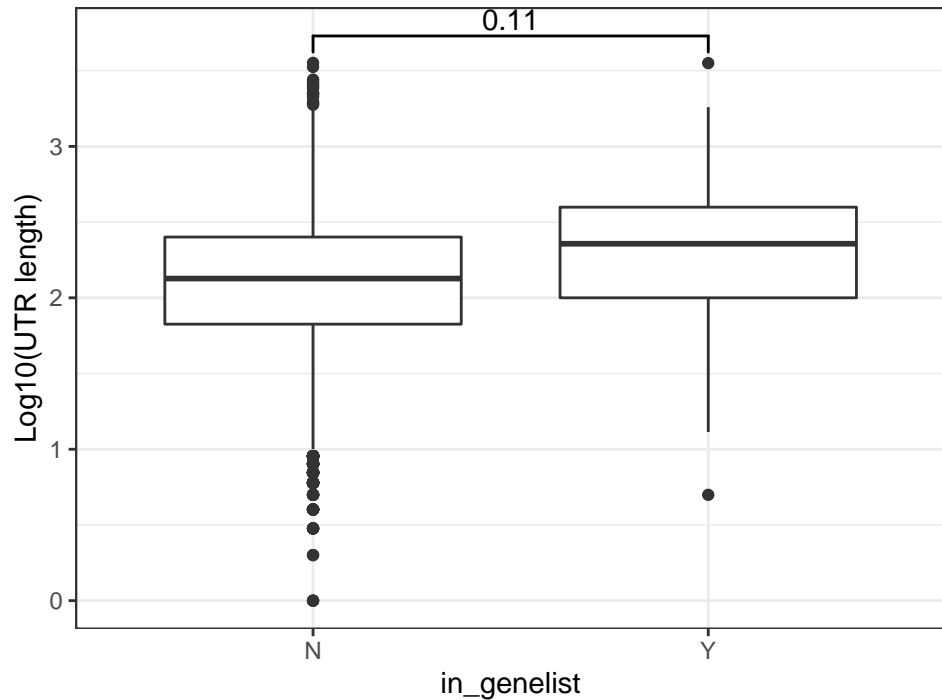


# 5 Genelist: gpcr\_union

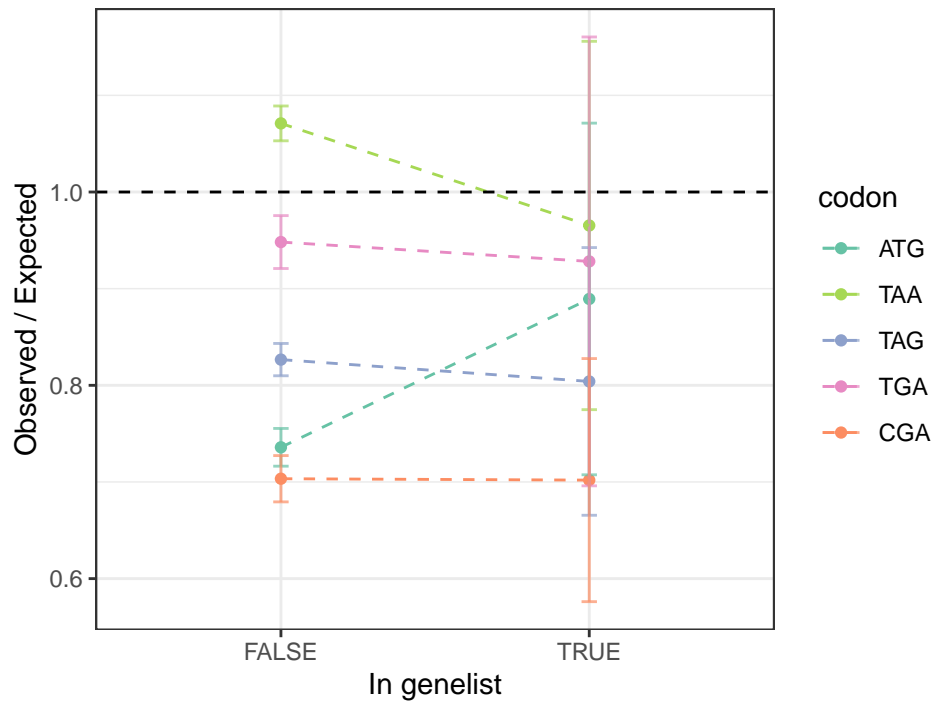




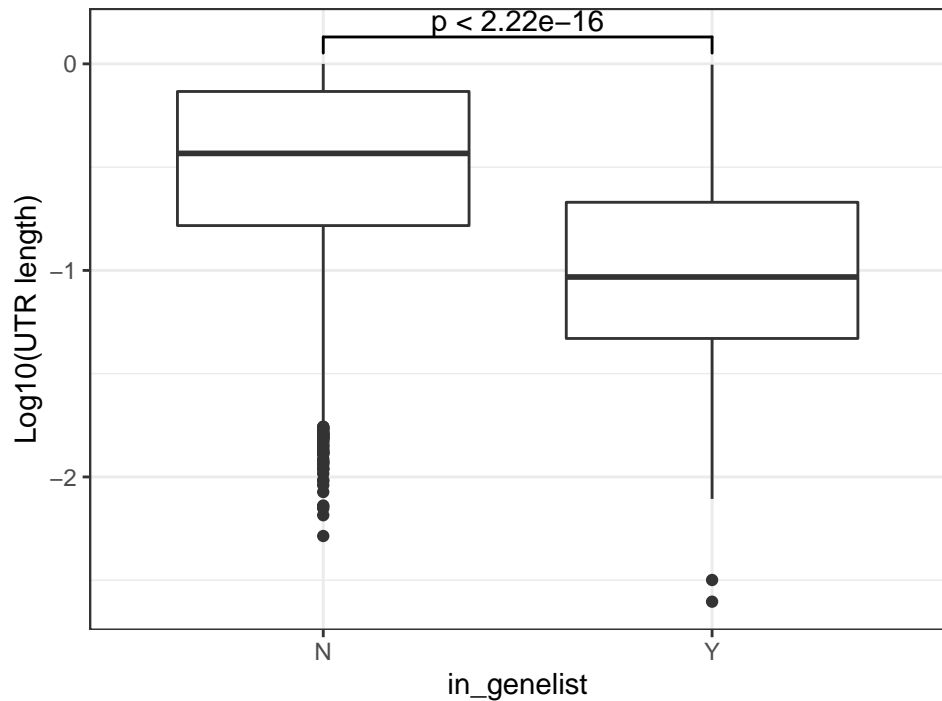
## 5 Genelist: gpcr\_union



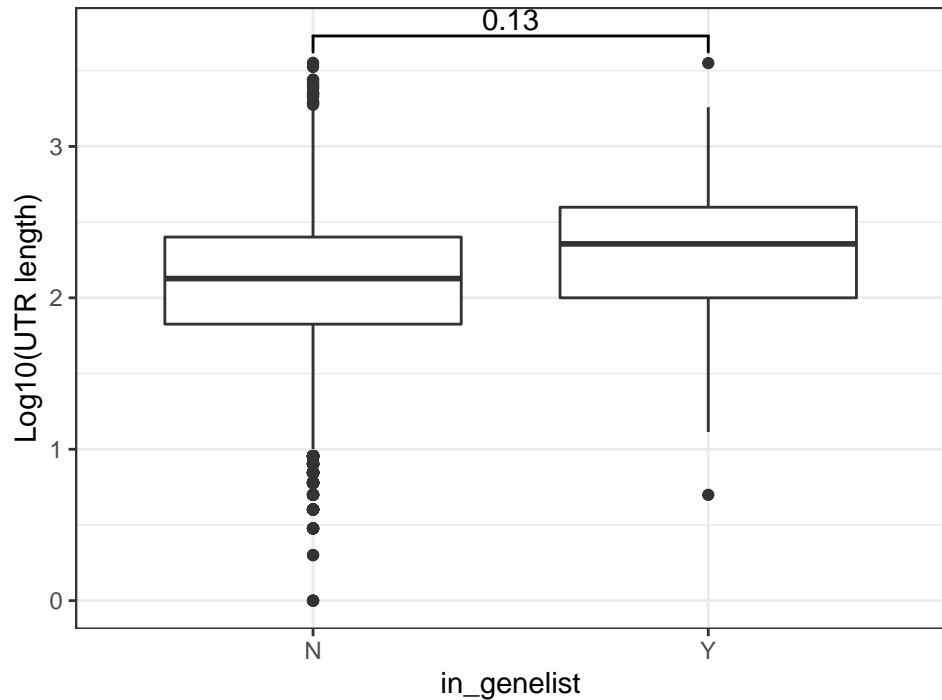
## 5 Genelist: gpcr\_uniprot



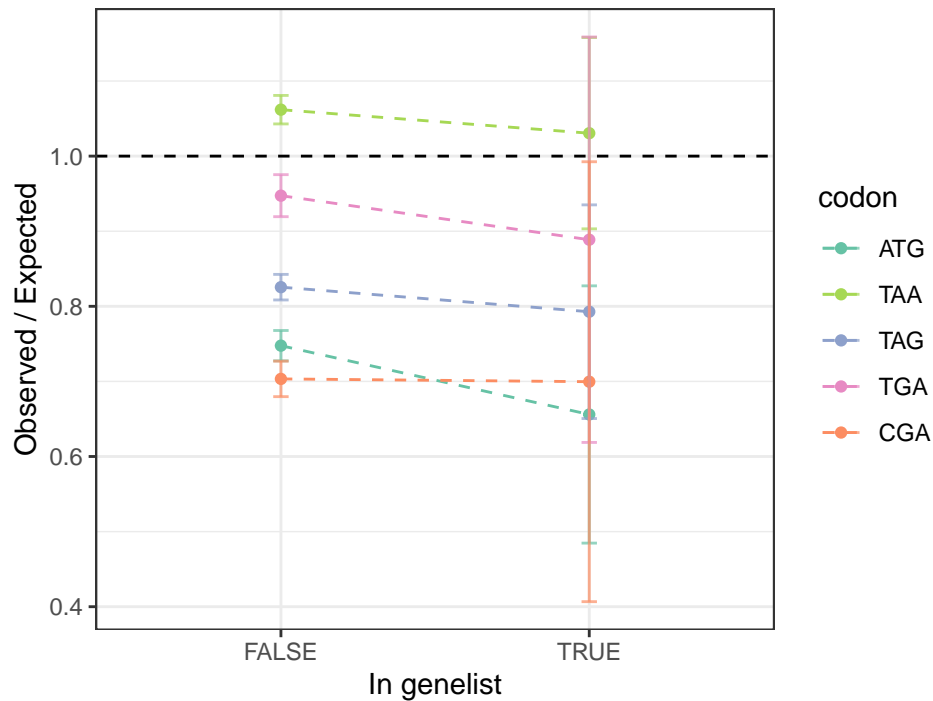
# 5 Genelist: gpcr\_uniprot



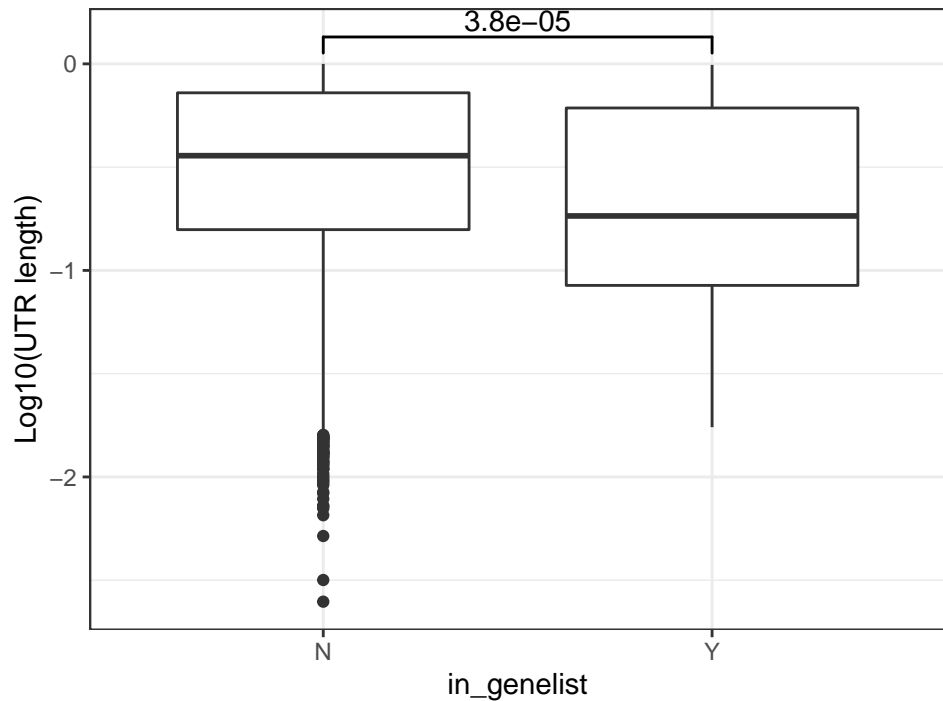
## 5 Genelist: gpcr\_uniprot



## 5 Genelist: gpi\_anchored

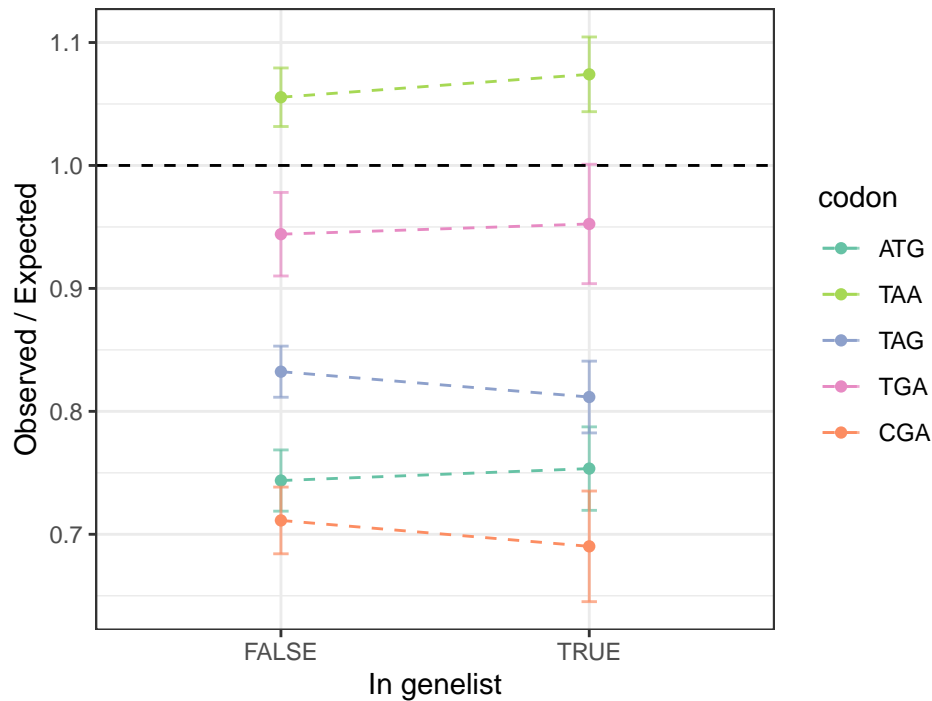


# 5 Genelist: gpi\_anchored



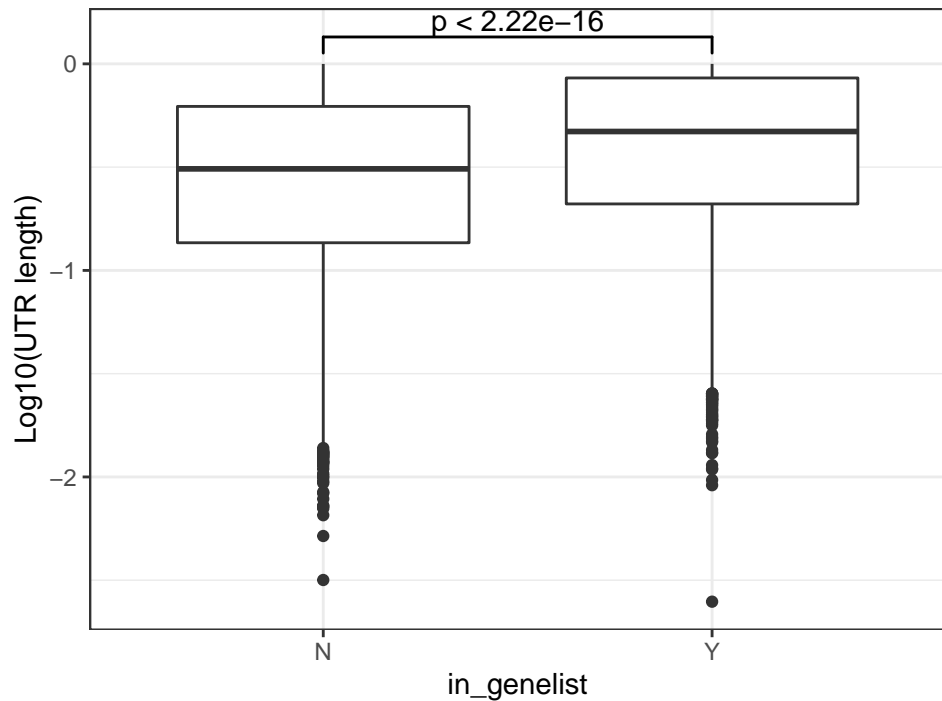


## 5 Genelist: gwascatalog

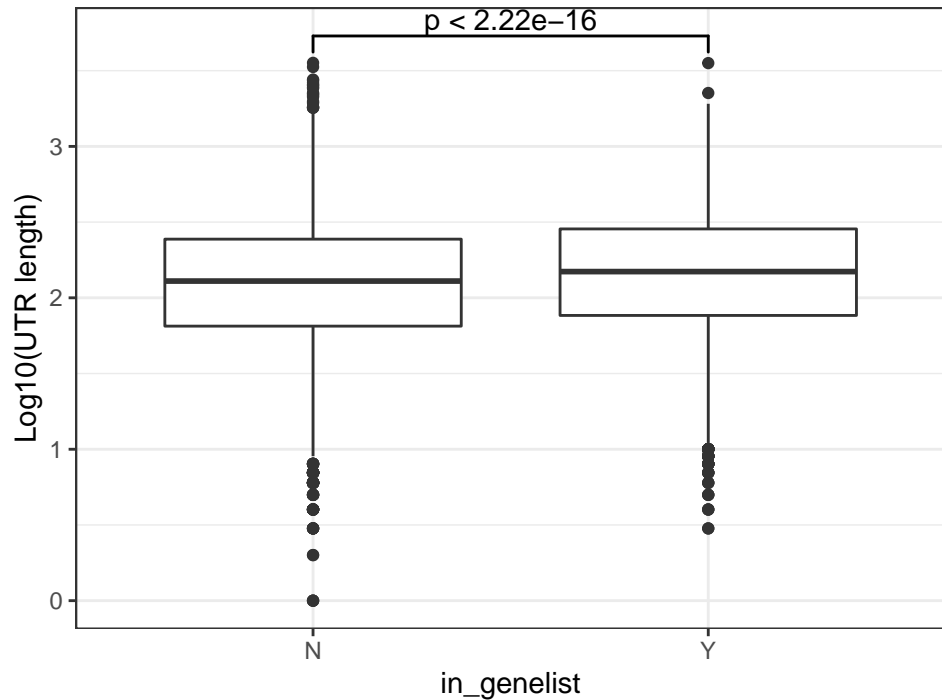




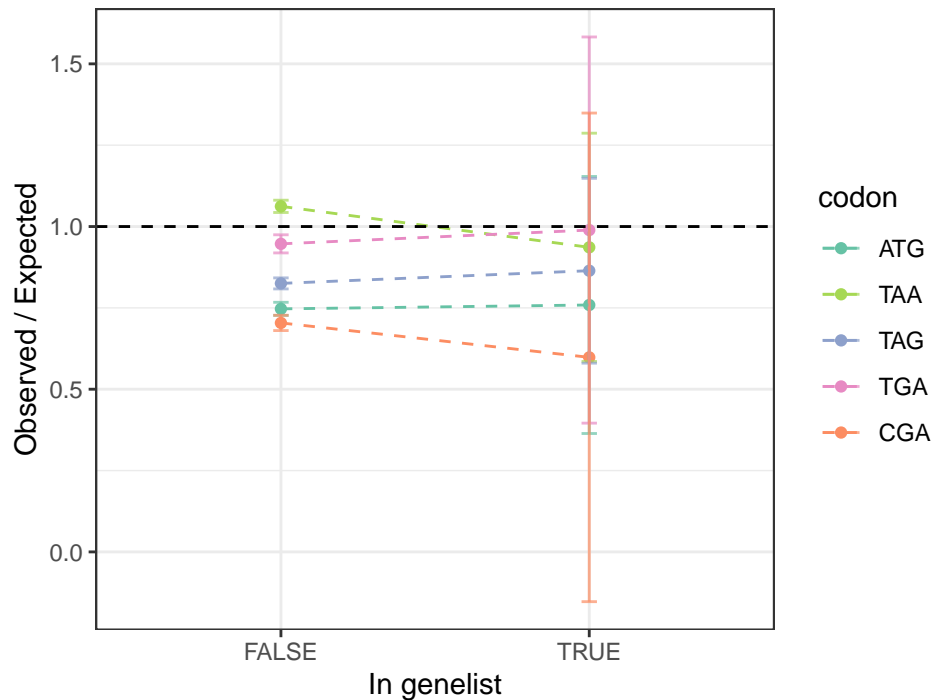
## 5 Genelist: gwascatalog



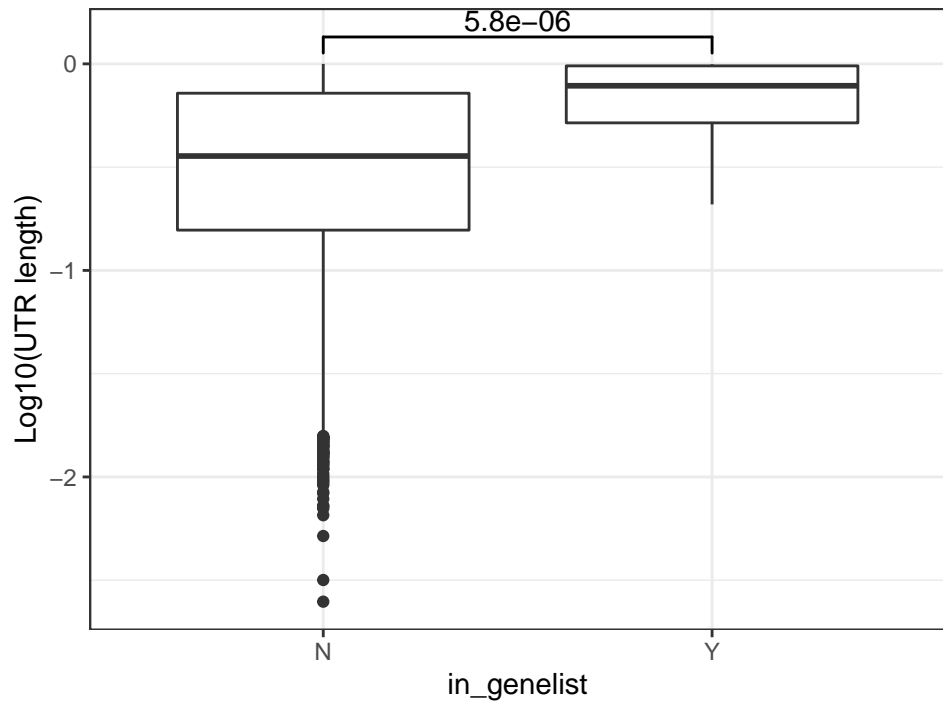
## 5 Genelist: gwascatalog



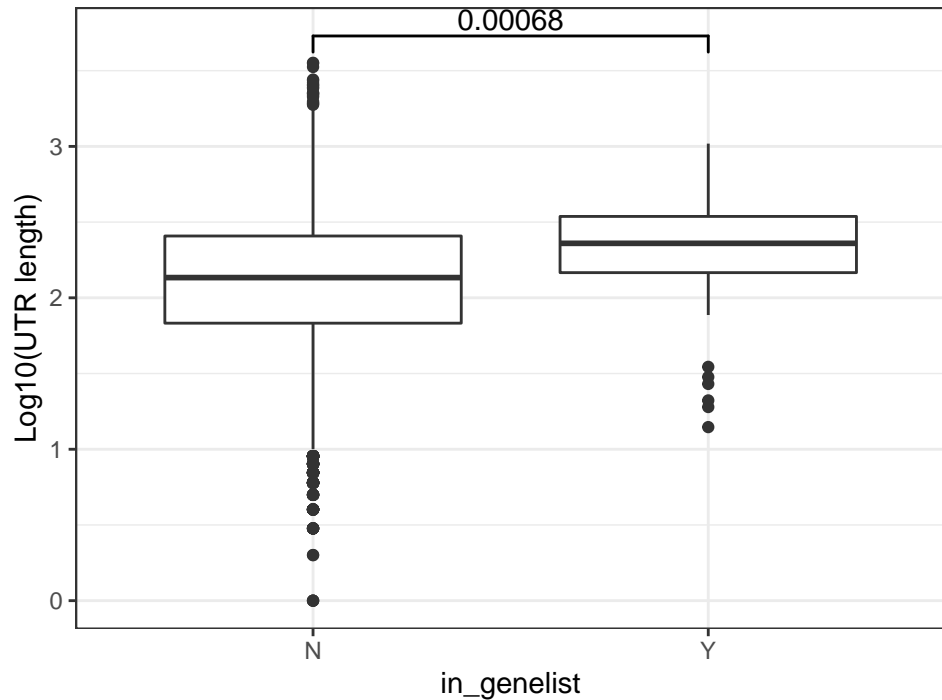
# 5 Genelist: haploinsufficiency\_mild\_curated\_2016



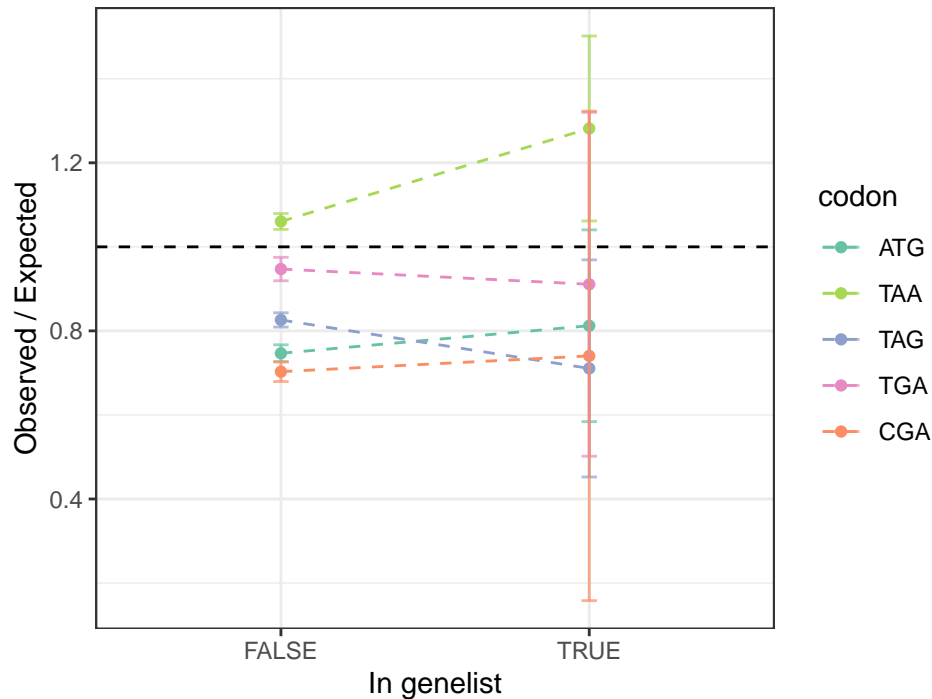
# 5 Genelist: haploinsufficiency\_mild\_curated\_2016



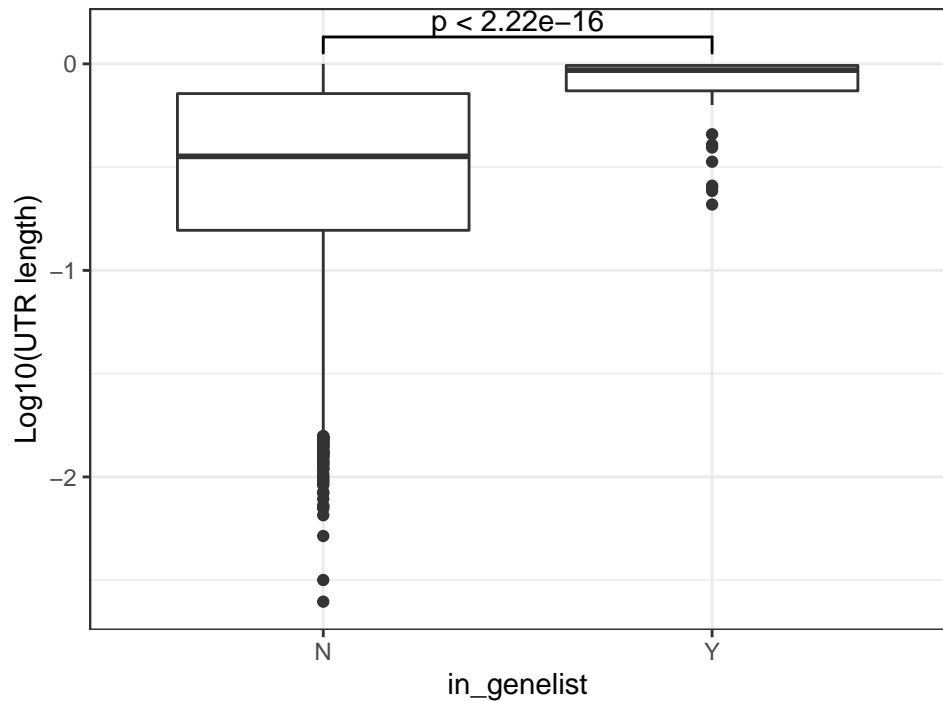
# 5 Genelist: haploinsufficiency\_mild\_curated\_2016



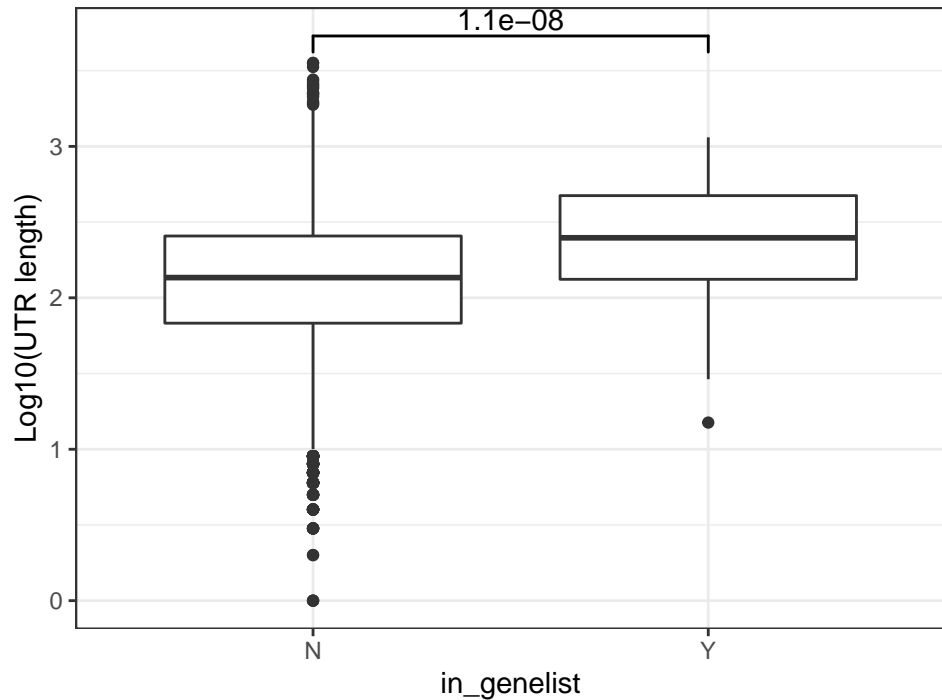
# 5 Genelist: haploinsufficiency\_moderate\_curated\_2016



# 5 Genelist: haploinsufficiency\_moderate\_curated\_2016

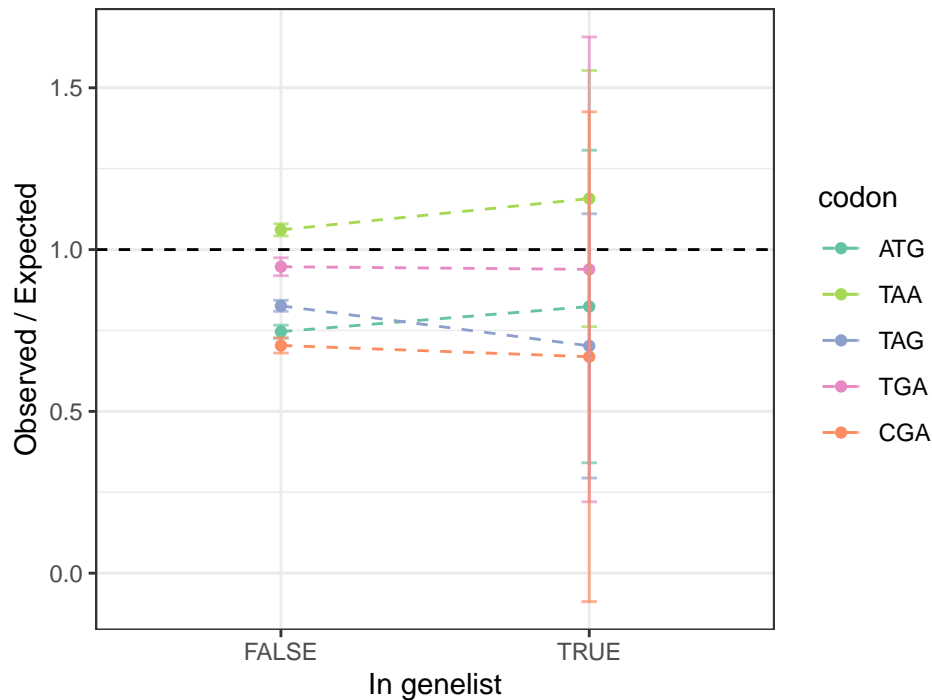


# 5 Genelist: haploinsufficiency\_moderate\_curated\_2016

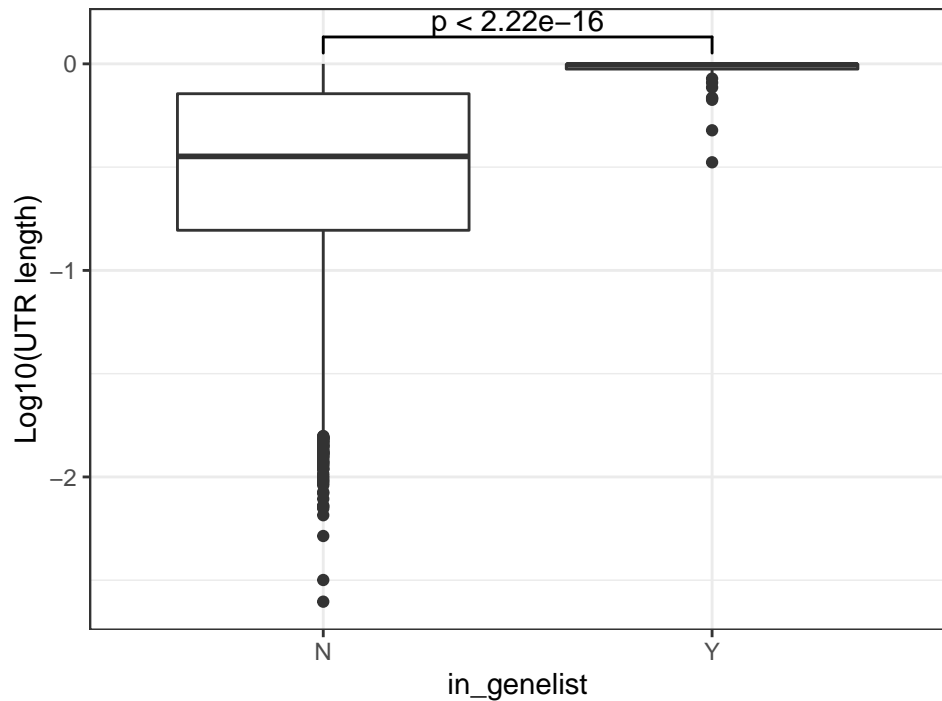




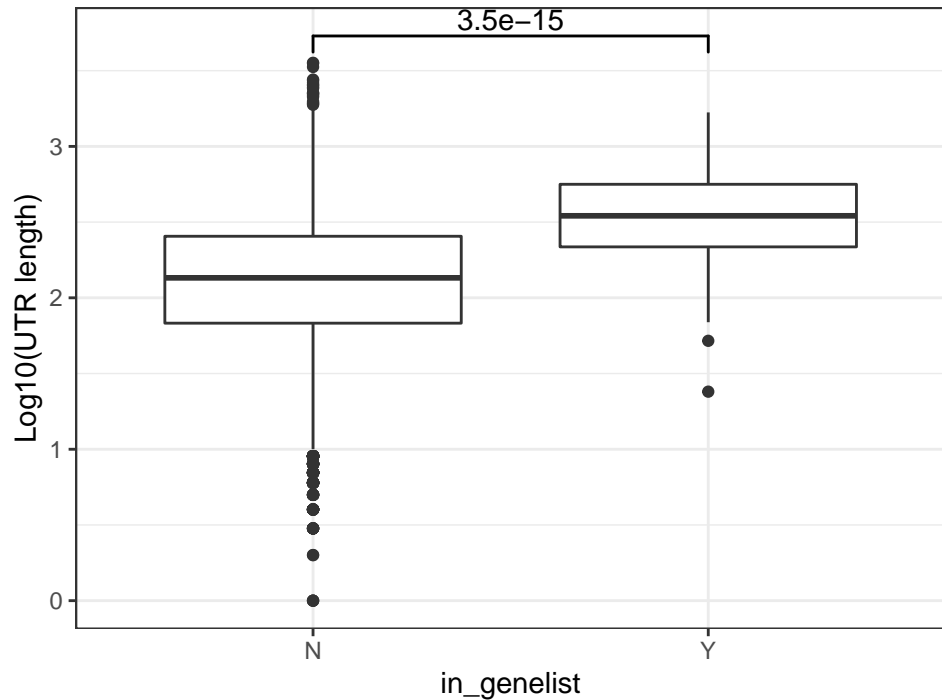
# 5 Genelist: haploinsufficiency\_severe\_curated\_2016



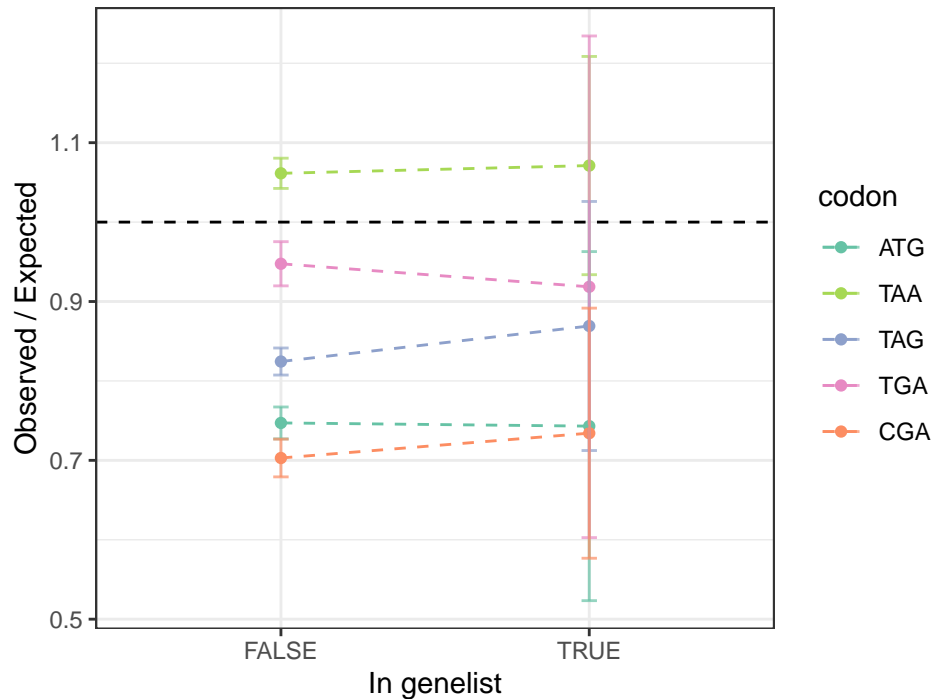
# 5 Genelist: haploinsufficiency\_severe\_curated\_2016



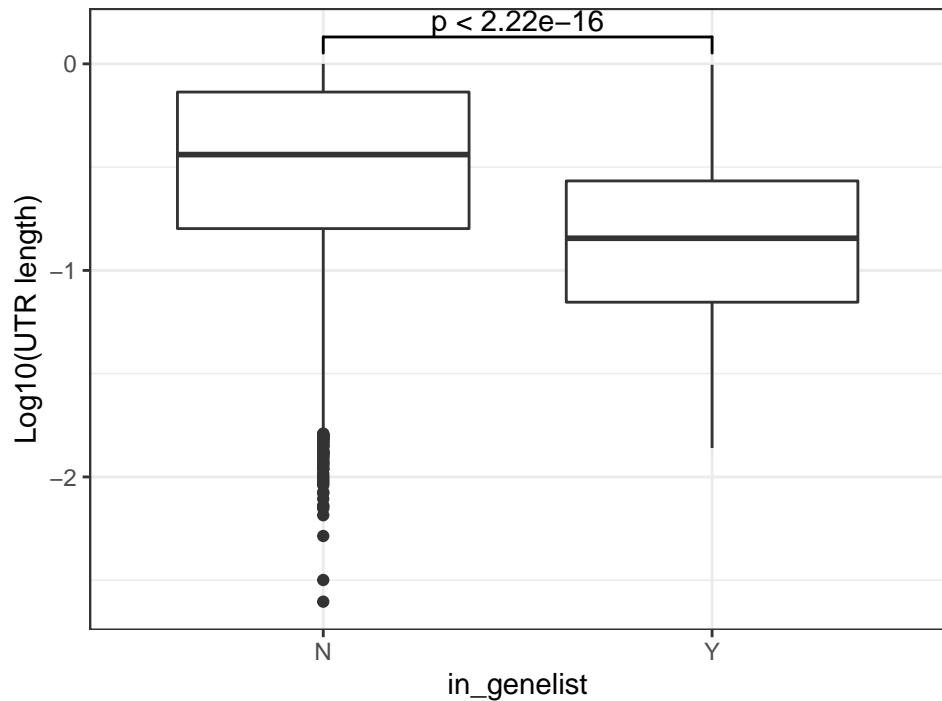
# 5 Genelist: haploinsufficiency\_severe\_curated\_2016



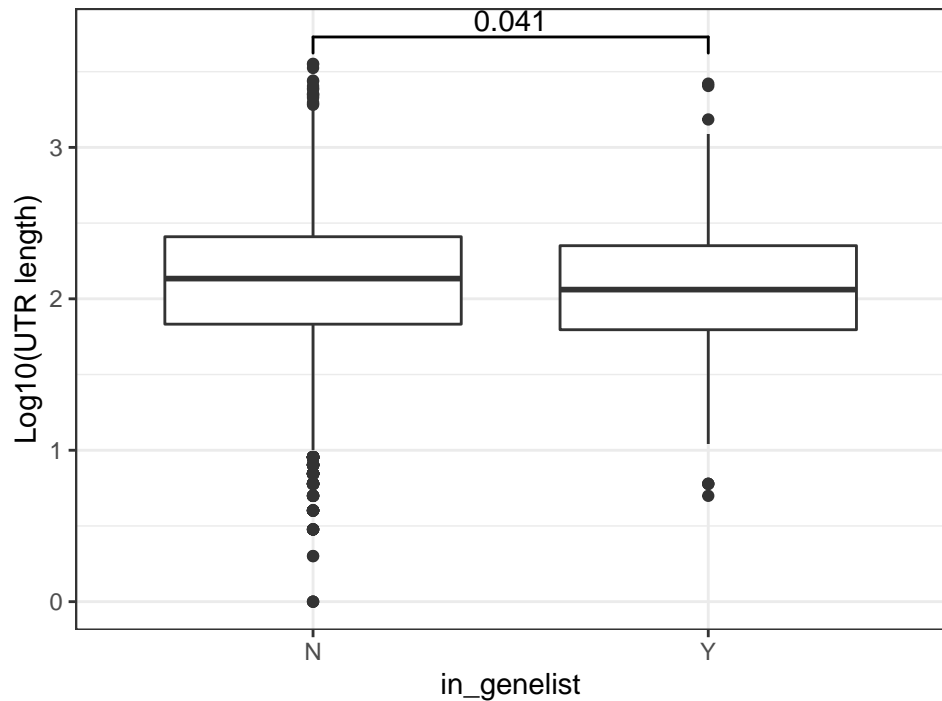
# 5 Genelist: homozygous\_lof\_tolerant\_twohit



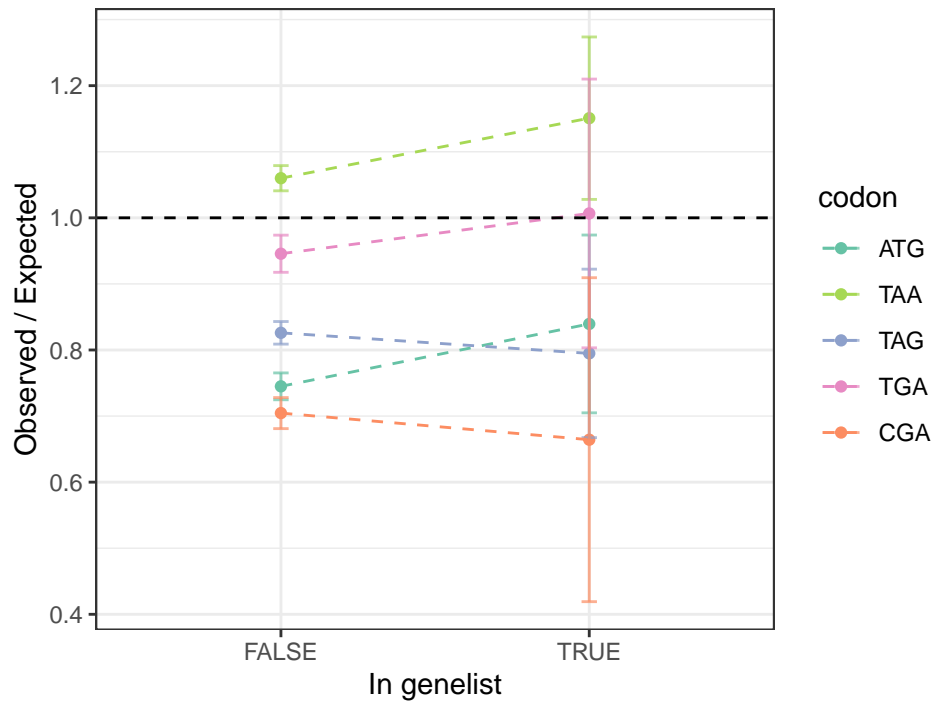
# 5 Genelist: homozygous\_lof\_tolerant\_twohit



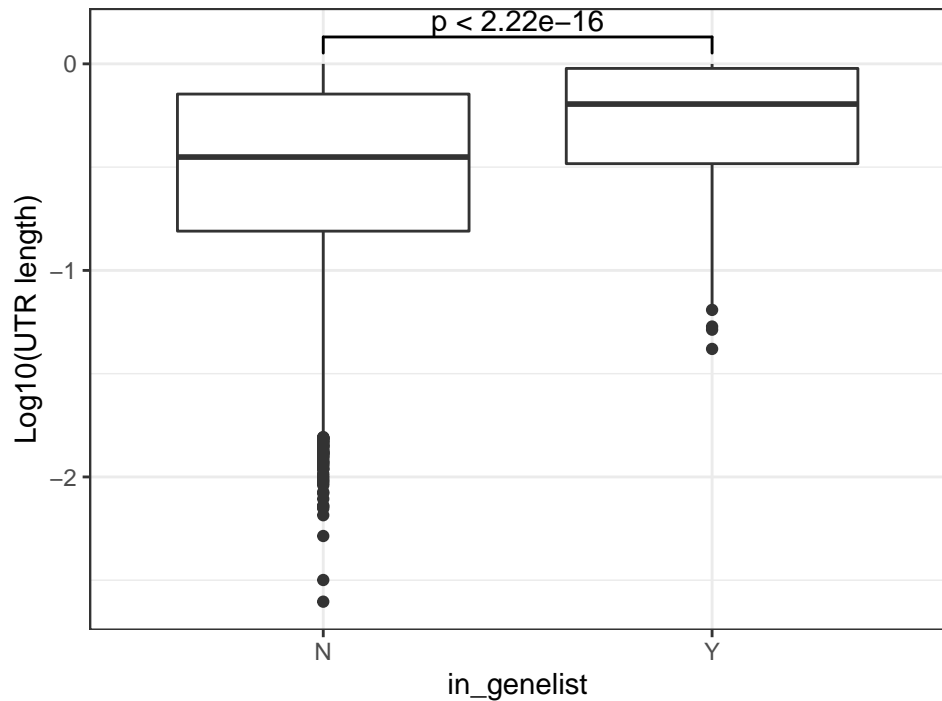
## 5 Genelist: homozygous\_lof\_tolerant\_twohit



## 5 Genelist: kinases

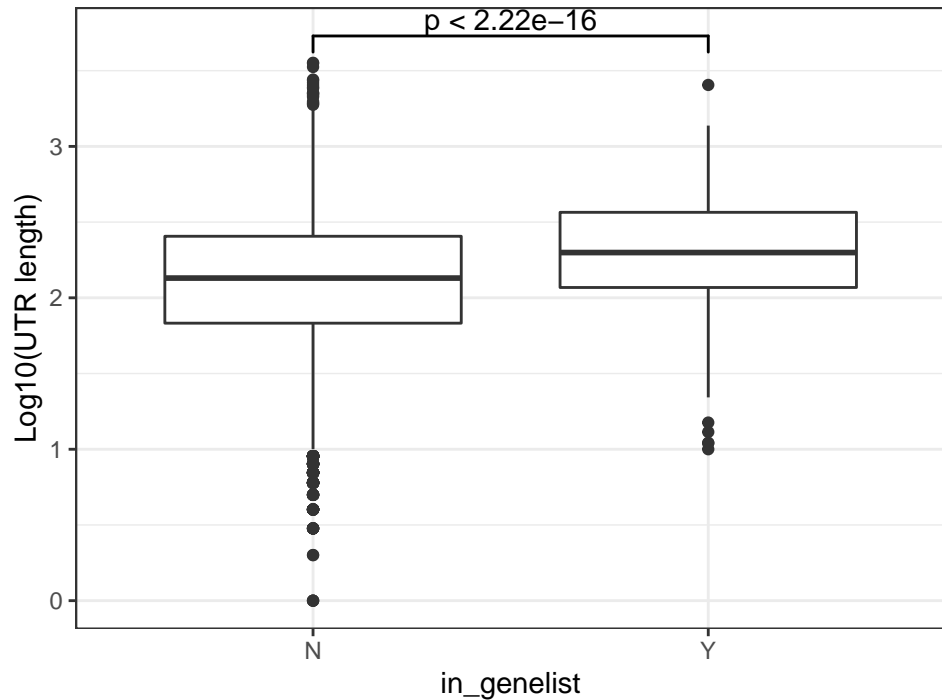


## 5 Genelist: kinases

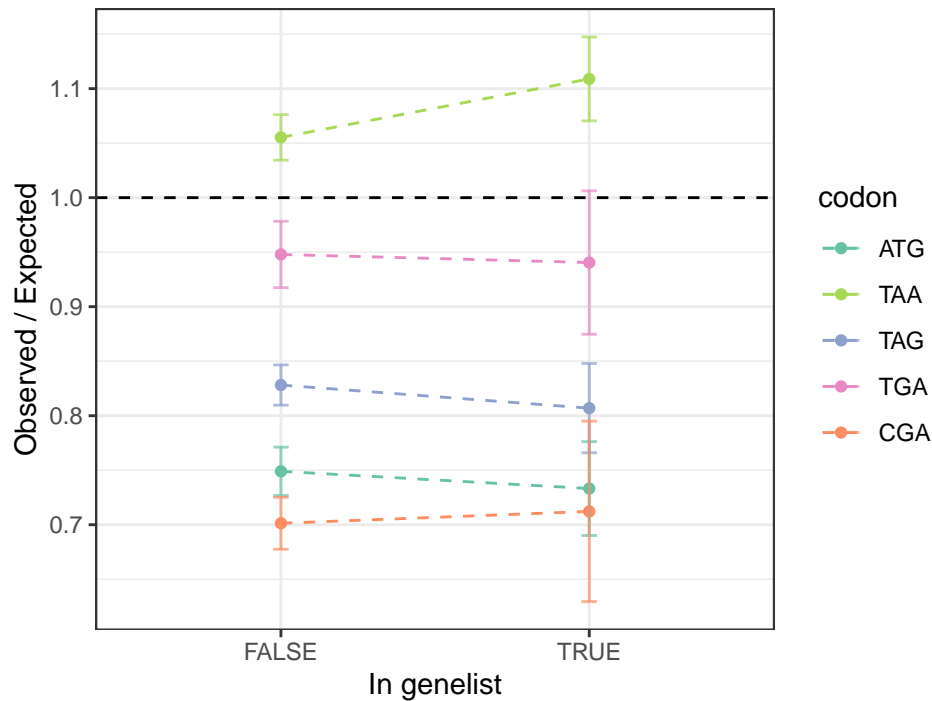




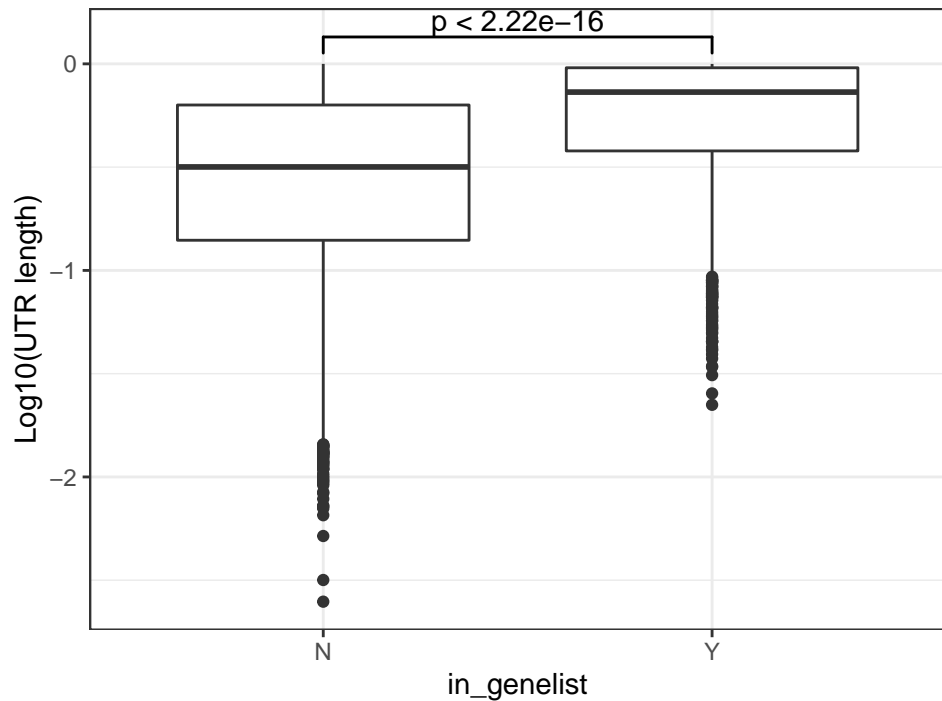
## 5 Genelist: kinases



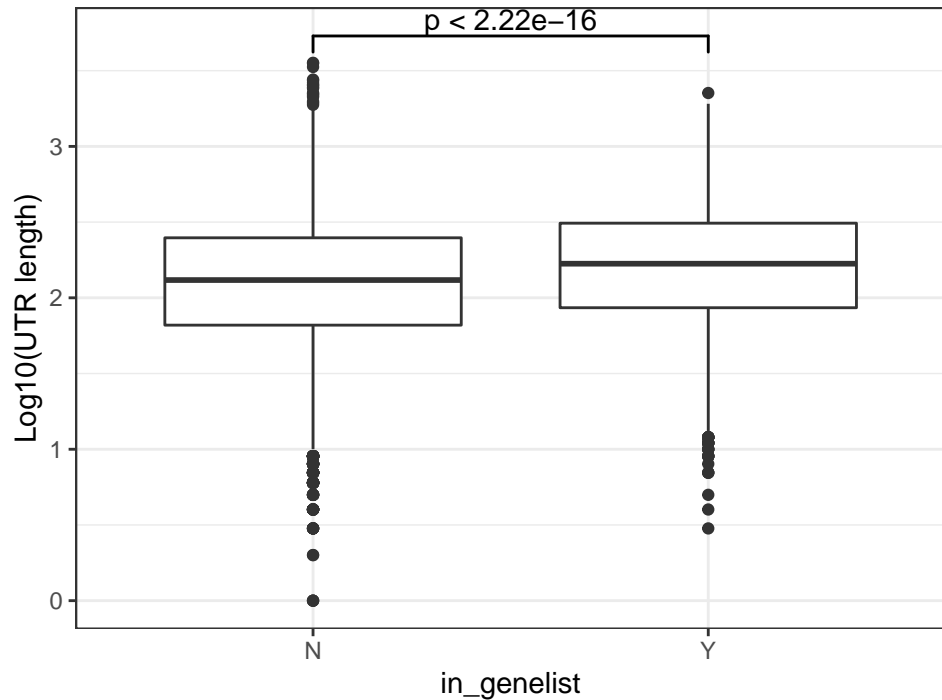
## 5 Genelist: mgi\_essential



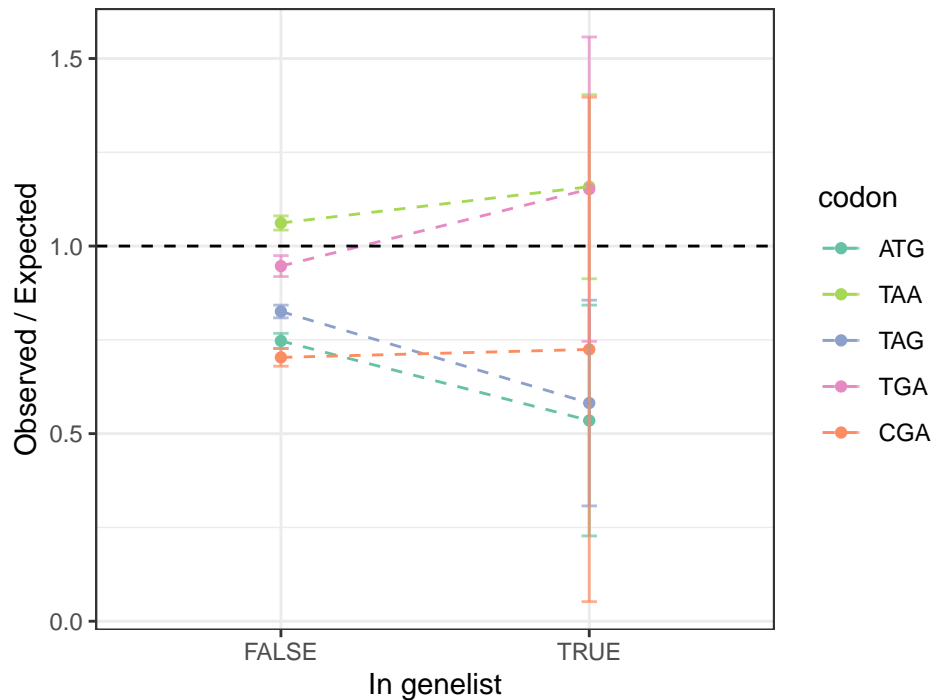
# 5 Genelist: mgi\_essential



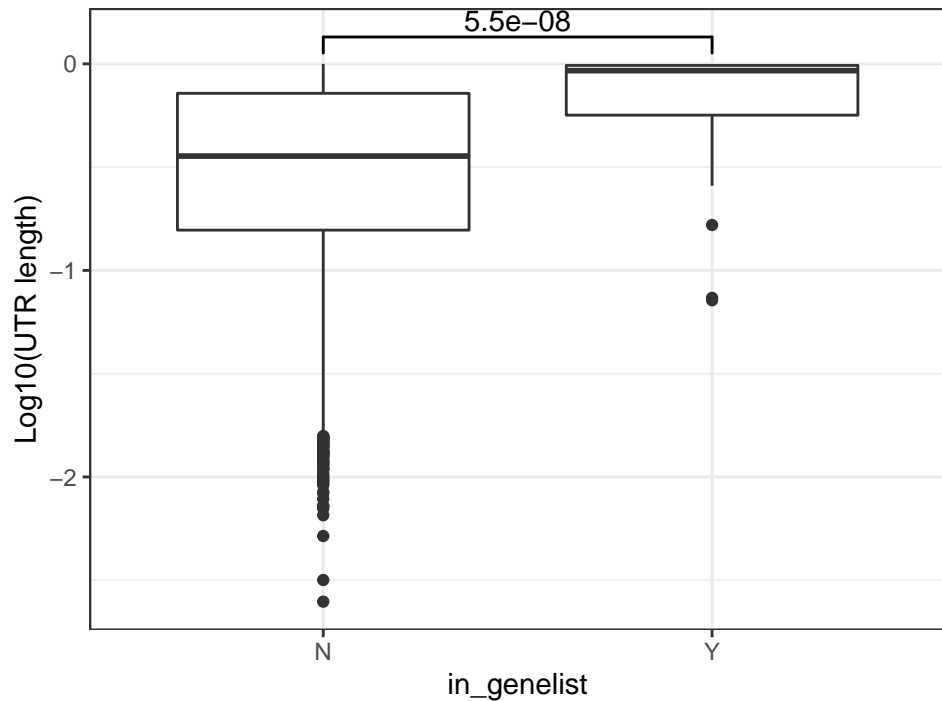
## 5 Genelist: mgi\_essential



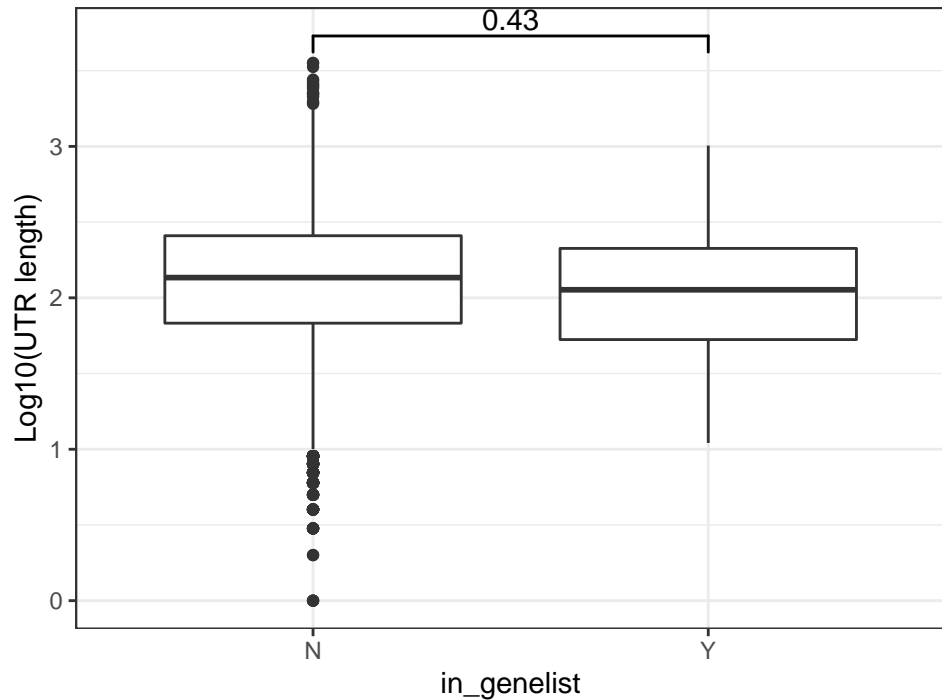
# 5 Genelist: natural\_product\_targets



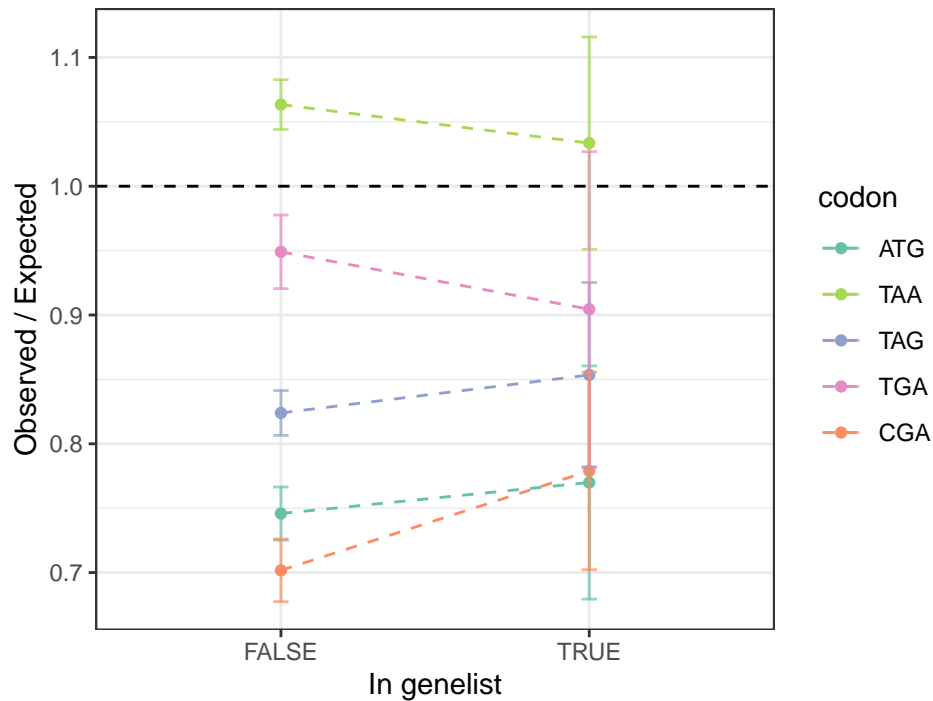
# 5 Genelist: natural\_product\_targets



## 5 Genelist: natural\_product\_targets

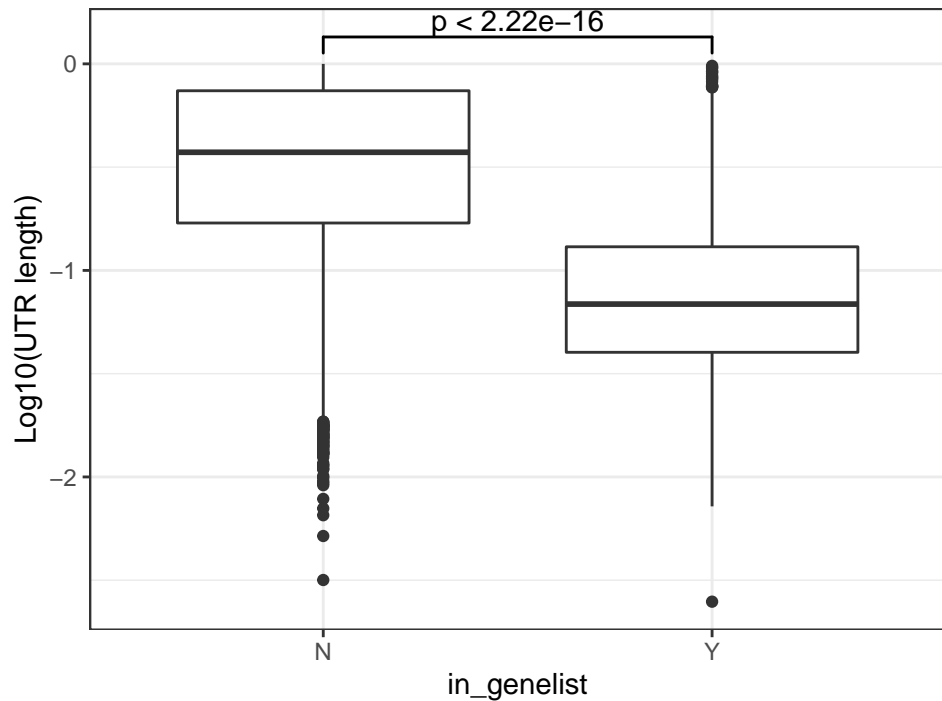


# 5 Genelist: NEGv1\_subset\_universe

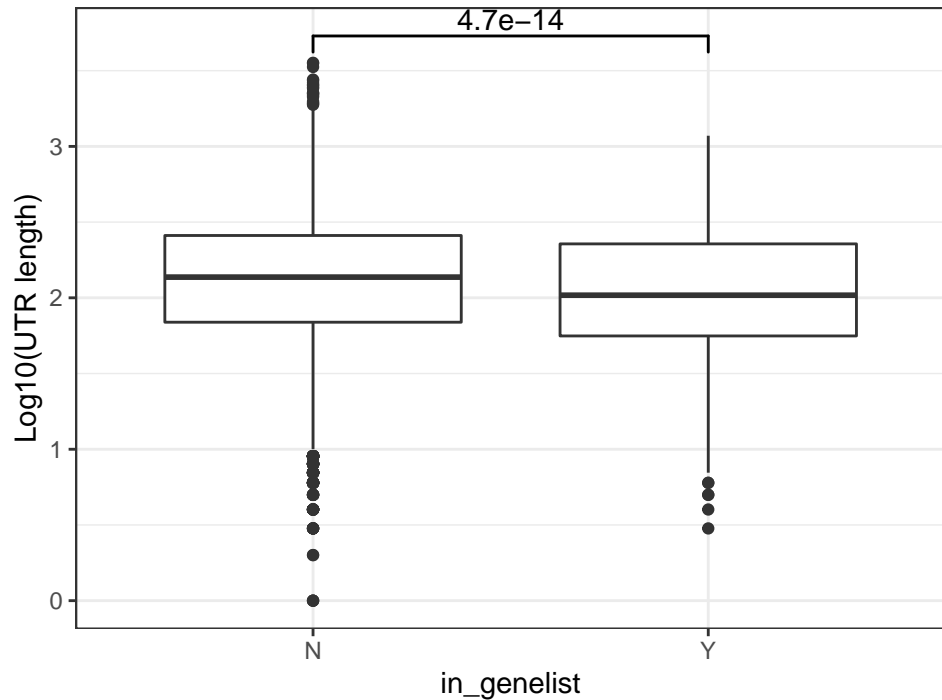




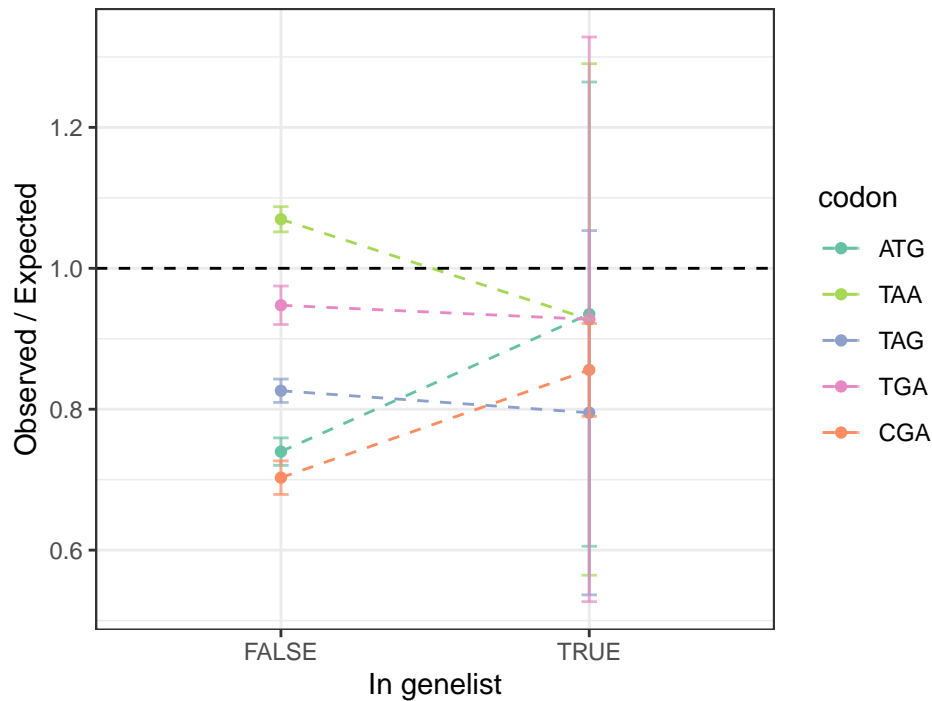
# 5 Genelist: NEGv1\_subset\_universe



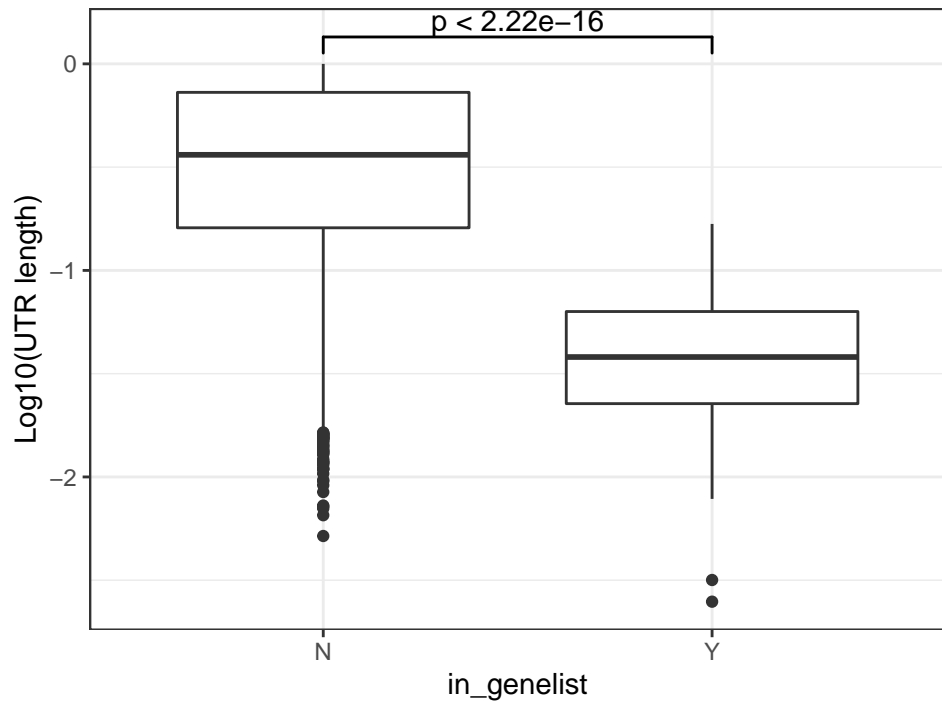
## 5 Genelist: NEGv1\_subset\_universe



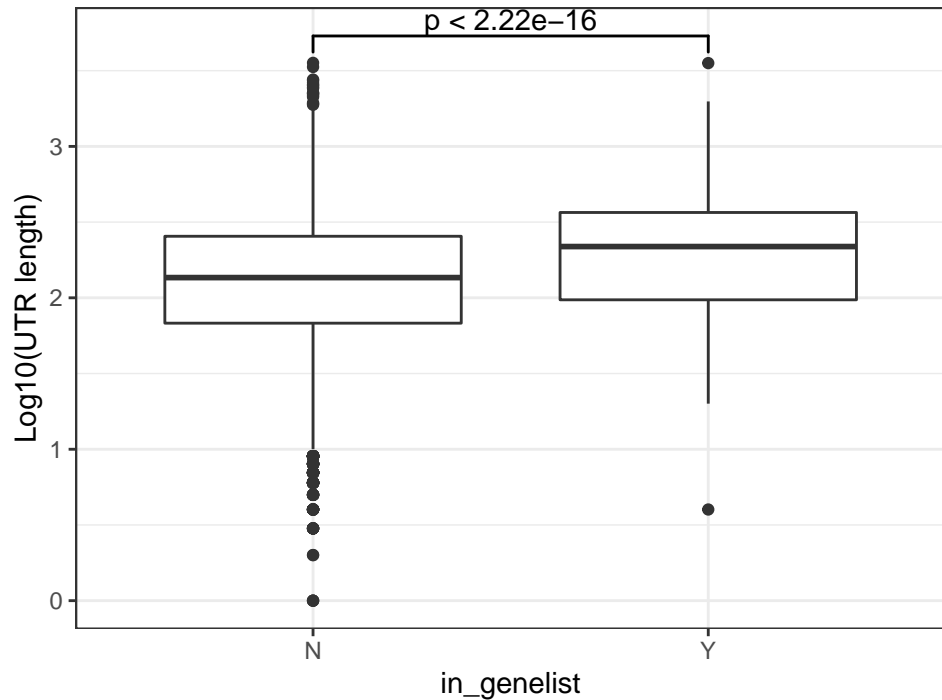
## 5 Genelist: olfactory\_receptors



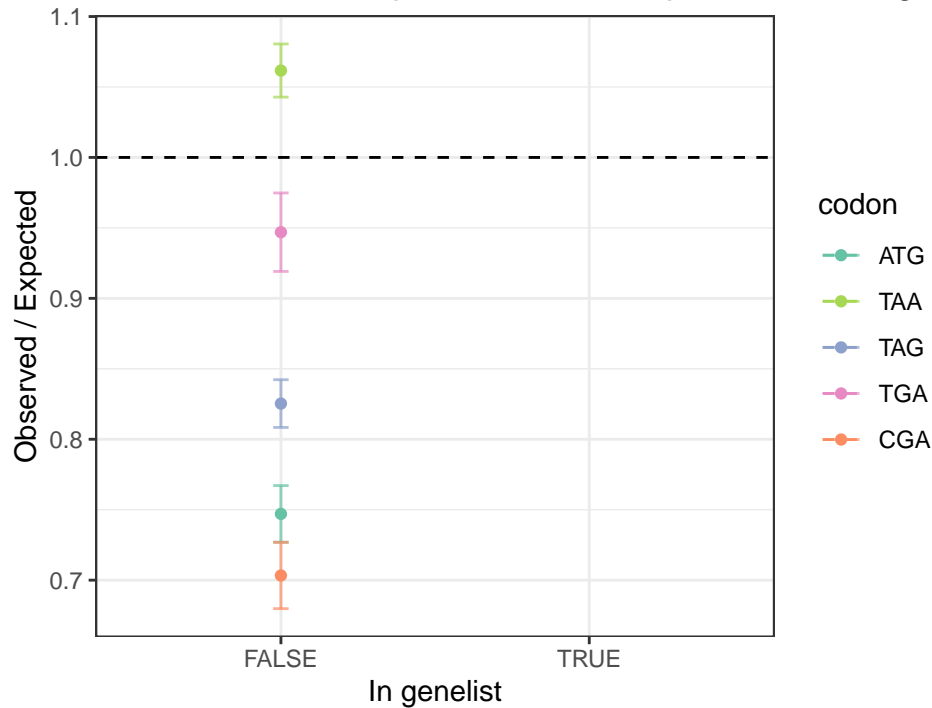
## 5 Genelist: olfactory\_receptors



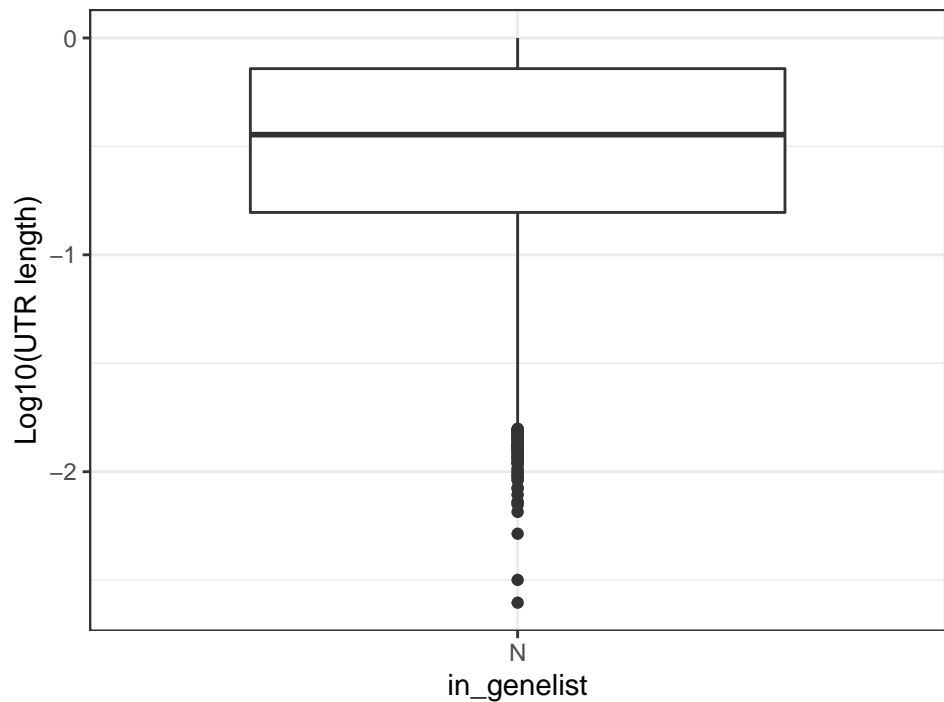
## 5 Genelist: olfactory\_receptors



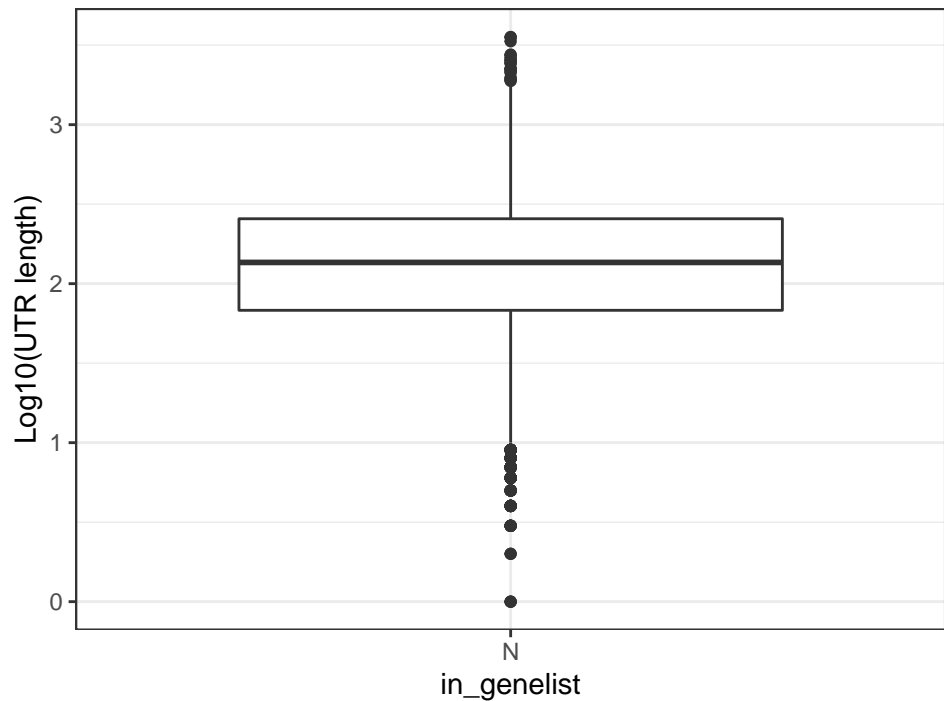
# 5 Genelist: Transcript\_annotation\_Haploinsufficient\_gene



# 5 Genelist: Transcript\_annotation\_Haploinsufficient\_gene

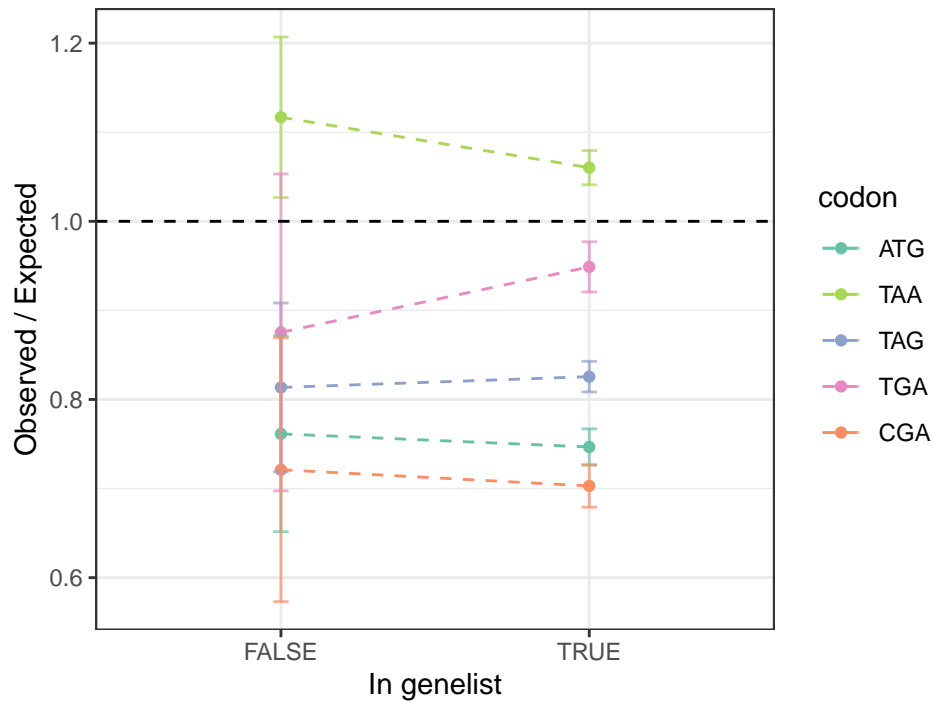


# 5 Genelist: Transcript\_annotation\_Haploinsufficient\_genes

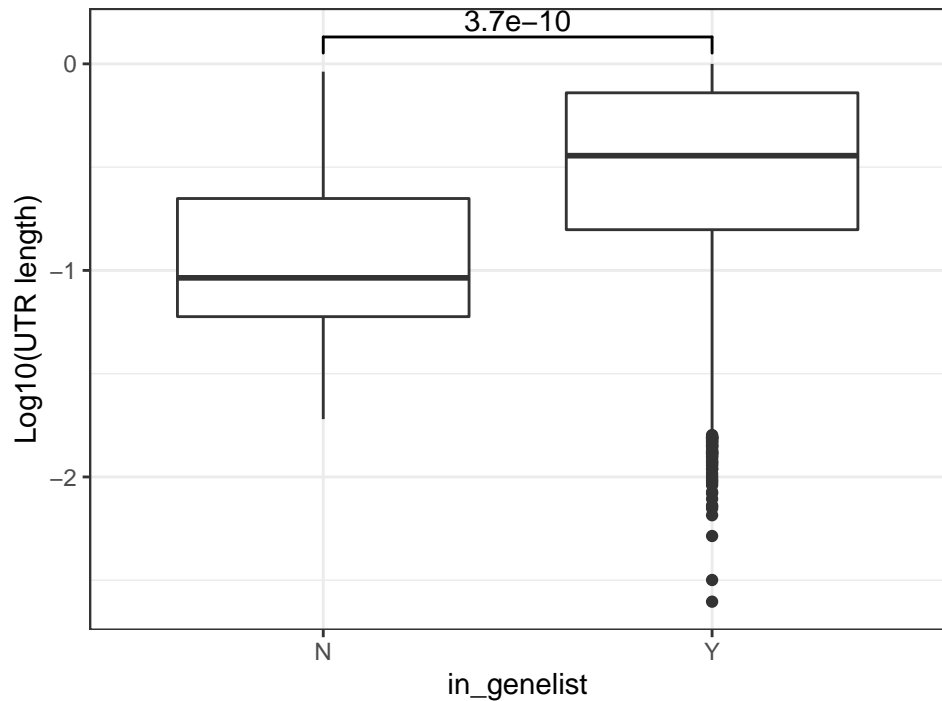




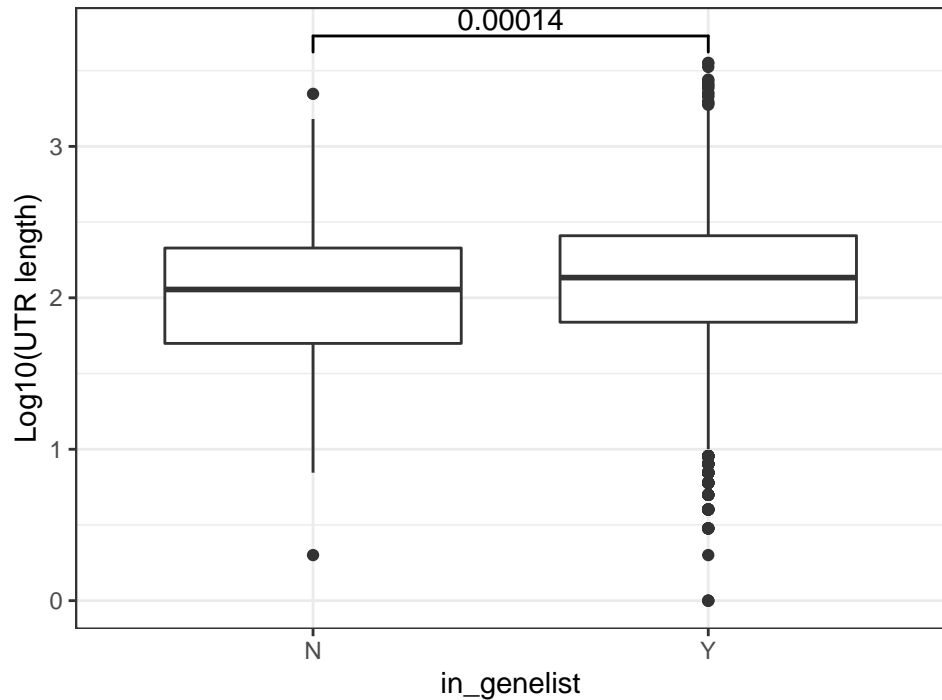
## 5 Genelist: universe



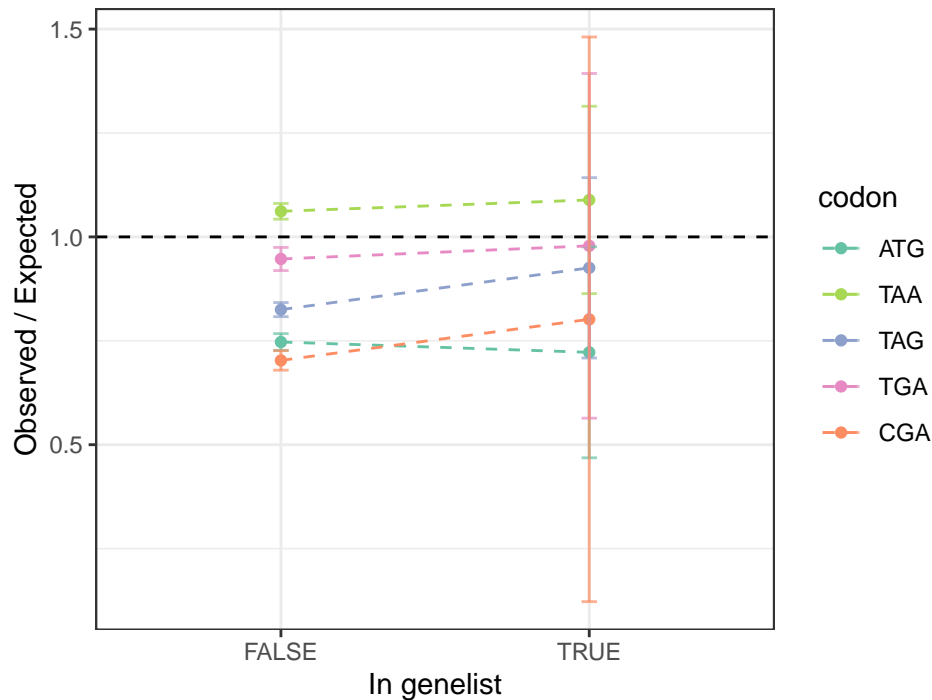
## 5 Genelist: universe



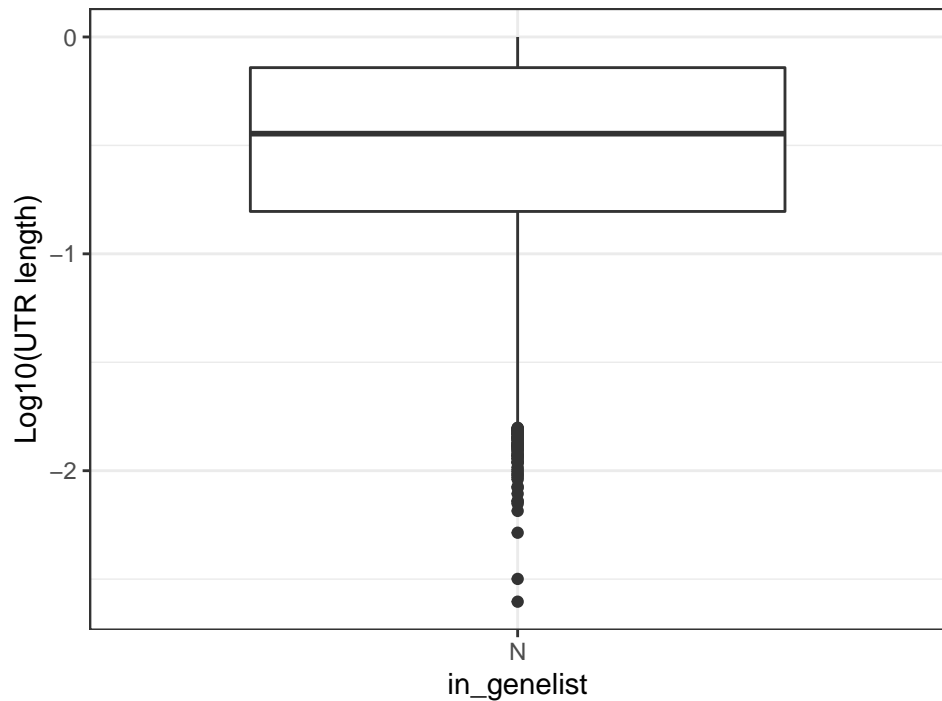
## 5 Genelist: universe



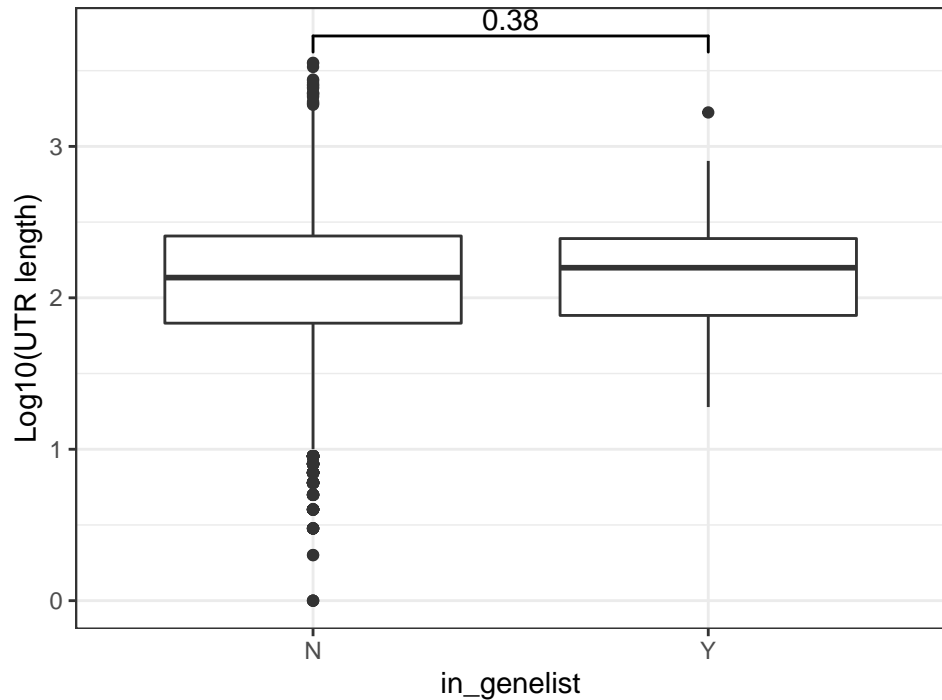
## 5 Genelist: x-linked\_clinvar



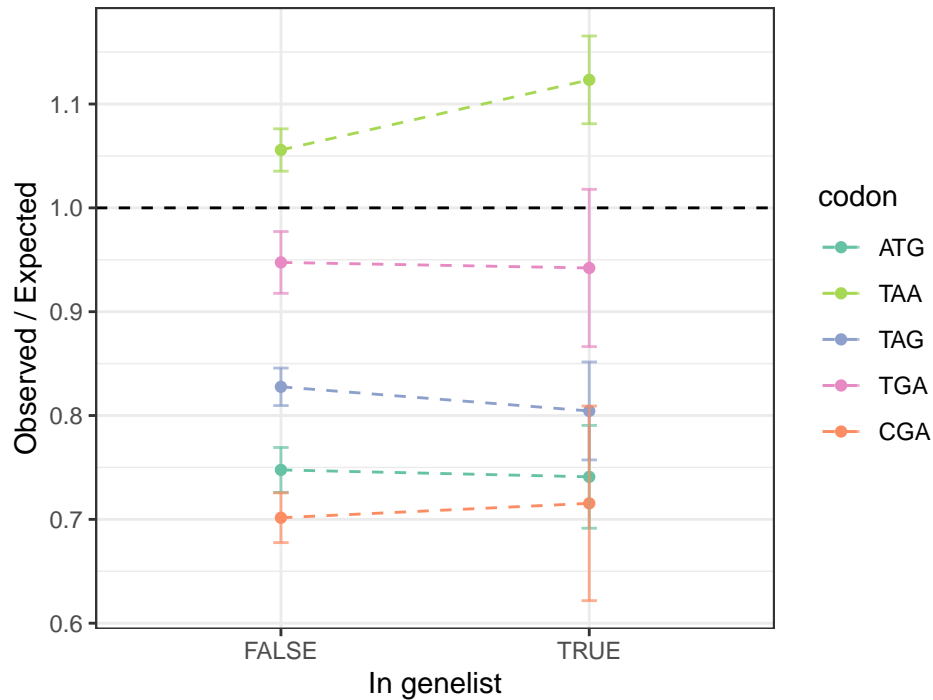
# 5 Genelist: x-linked\_clinvar



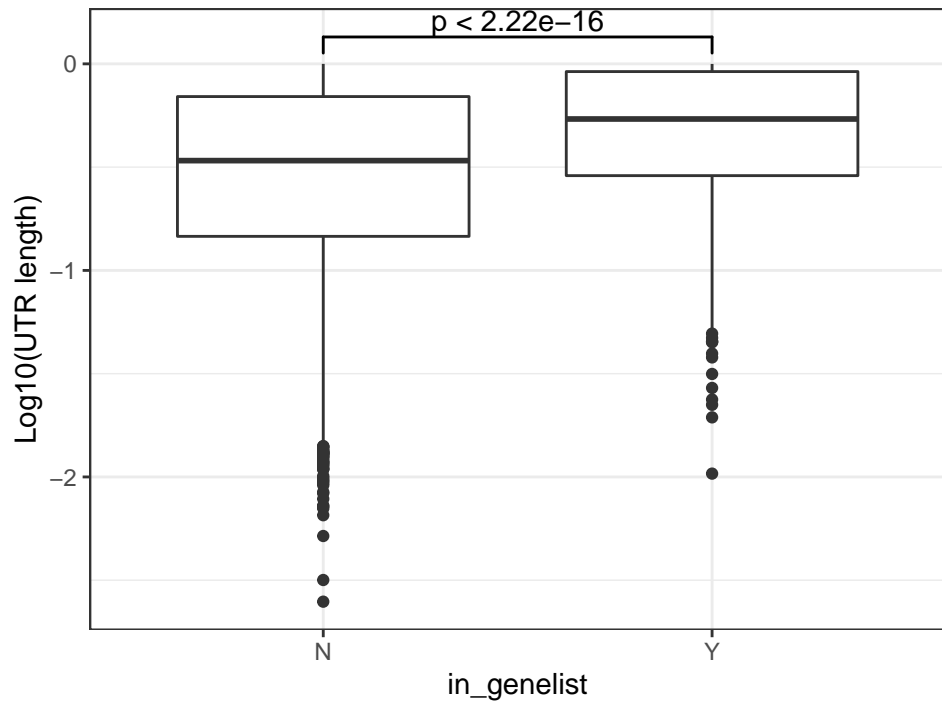
## 5 Genelist: x-linked\_clinvar



## 5 Genelist: DD



## 5 Genelist: DD





## 5 Genelist: DD

