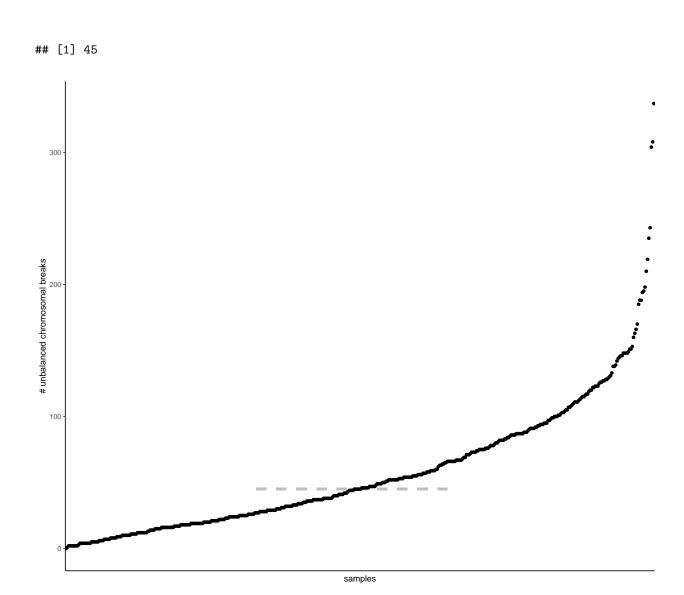
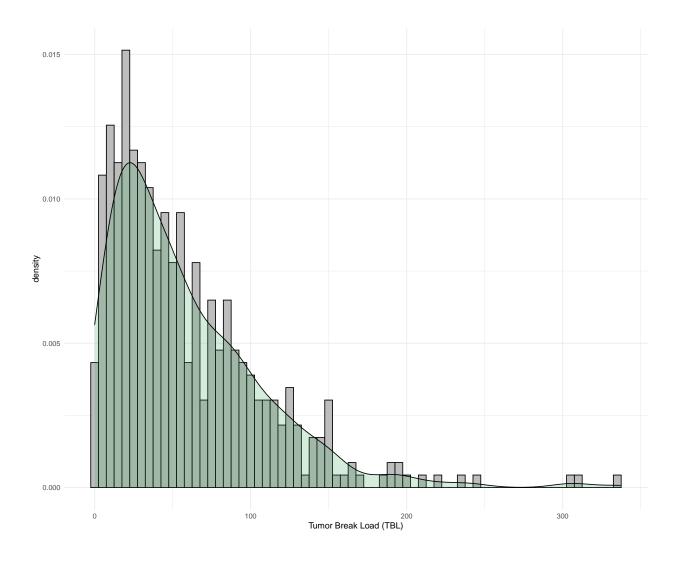
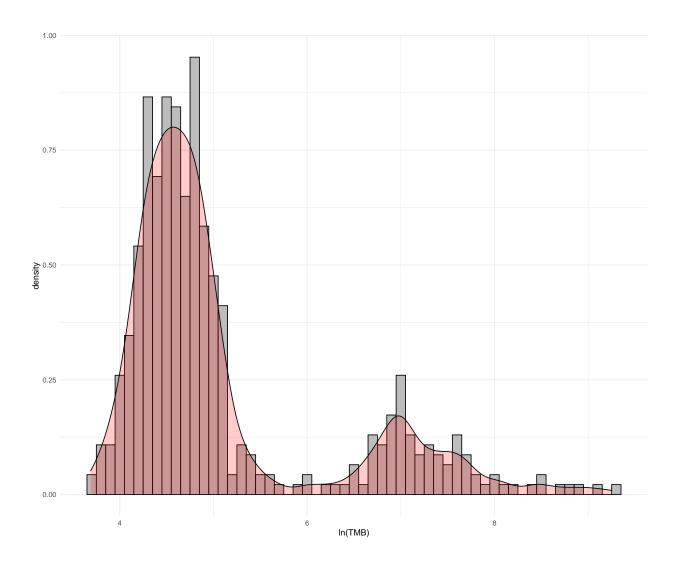
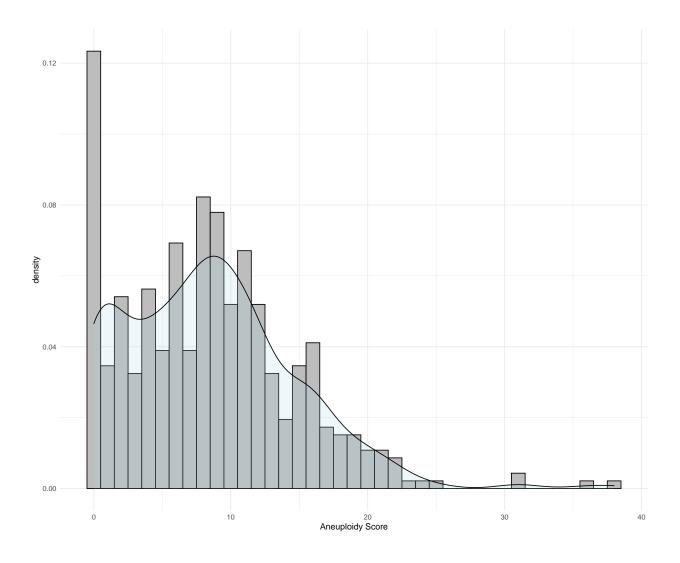
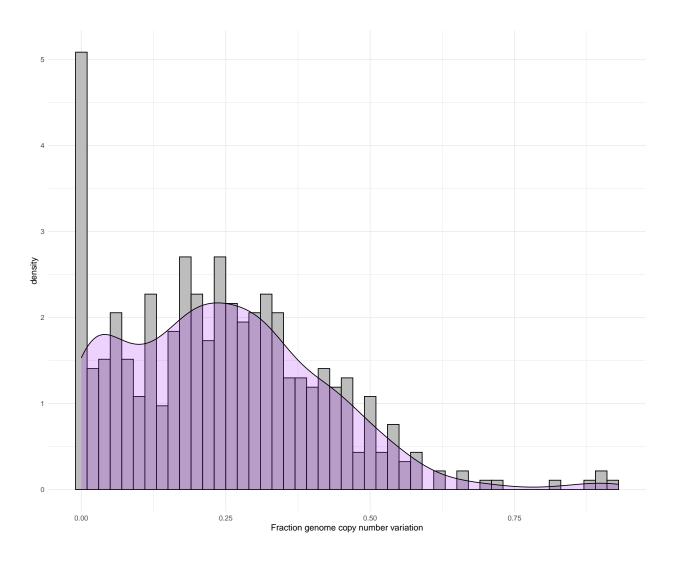
# R Notebook

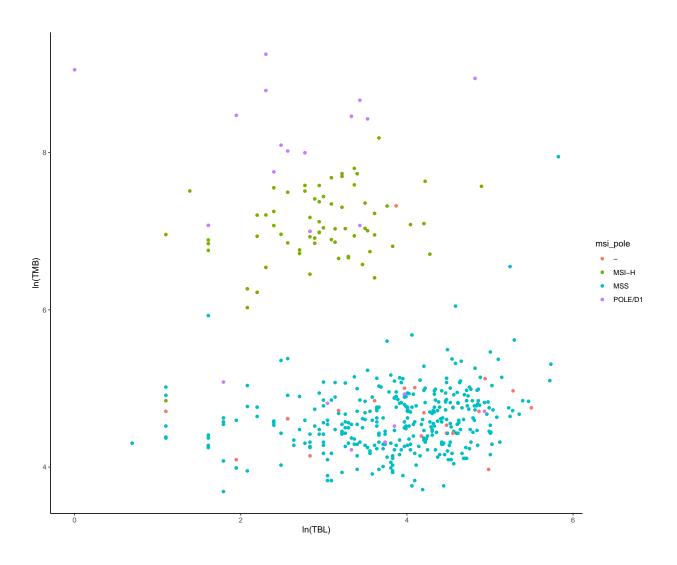


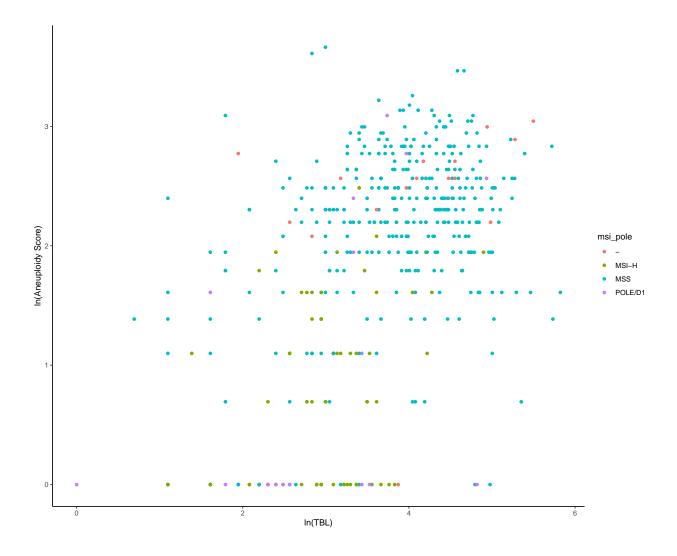


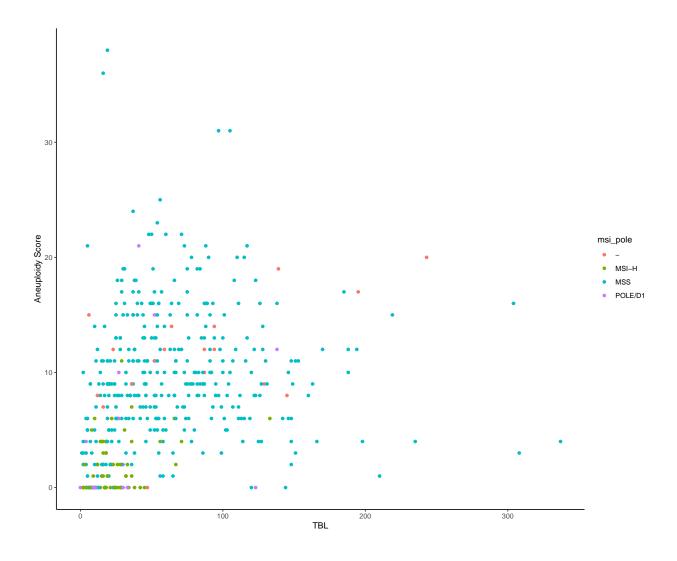


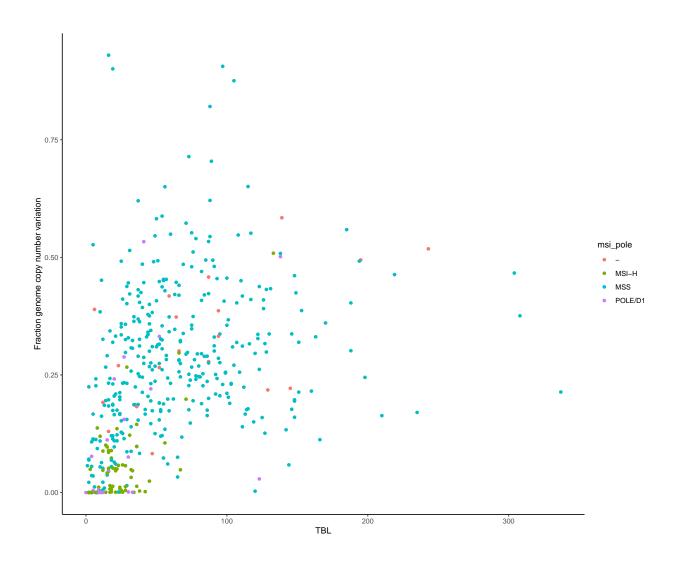






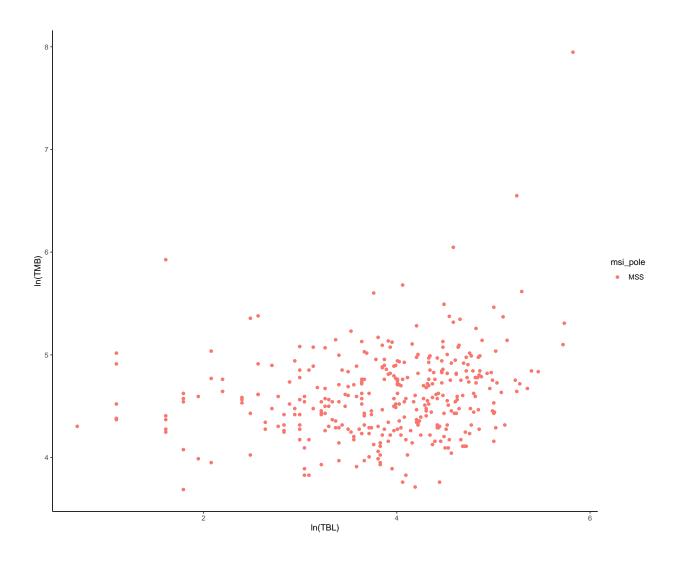


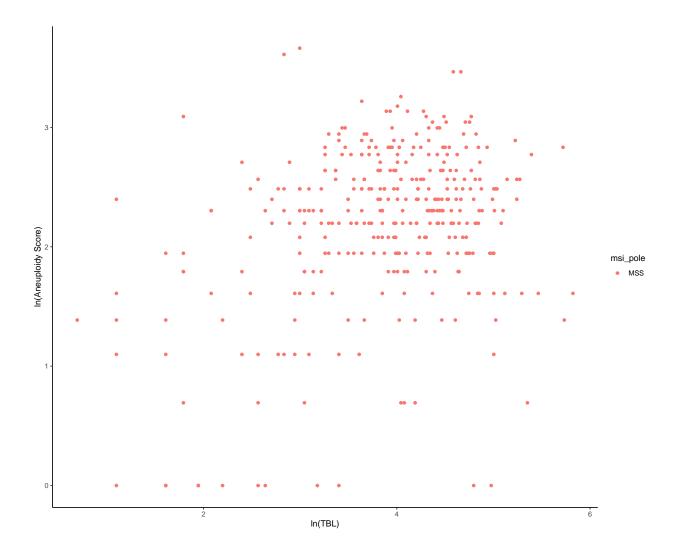


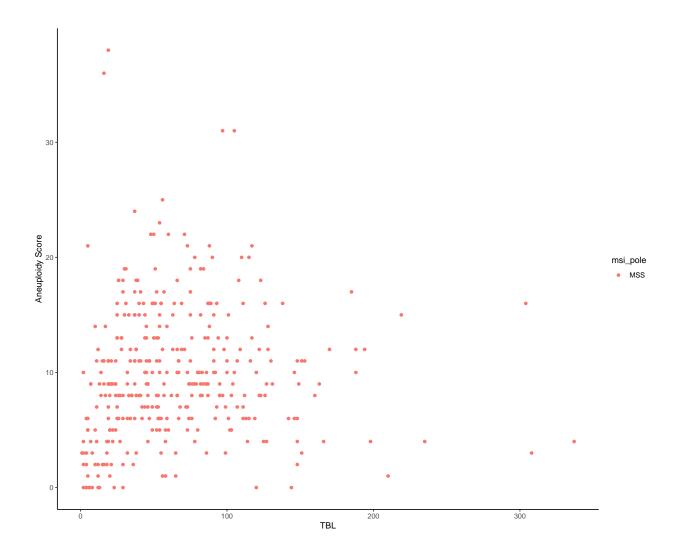


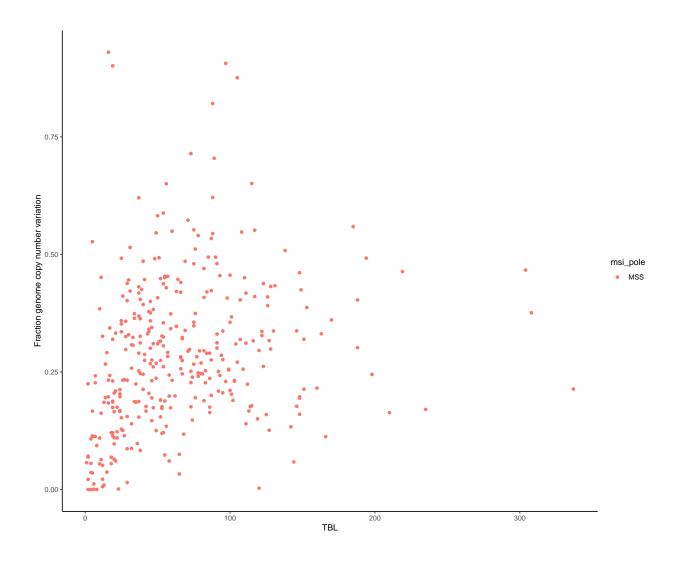
# Remove MSI and POLE/D1 samples

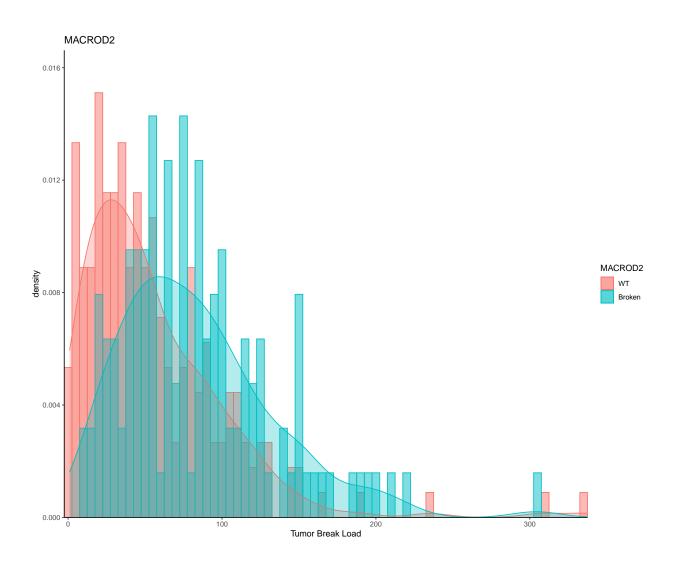
Remove also samples with no annotation

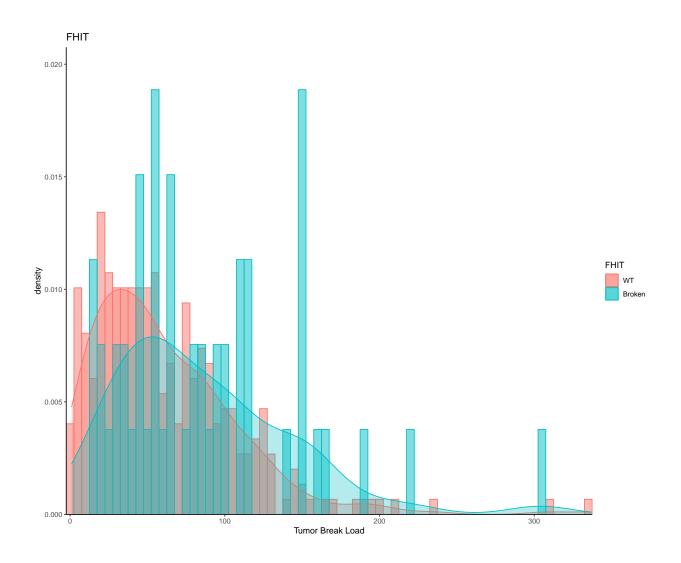


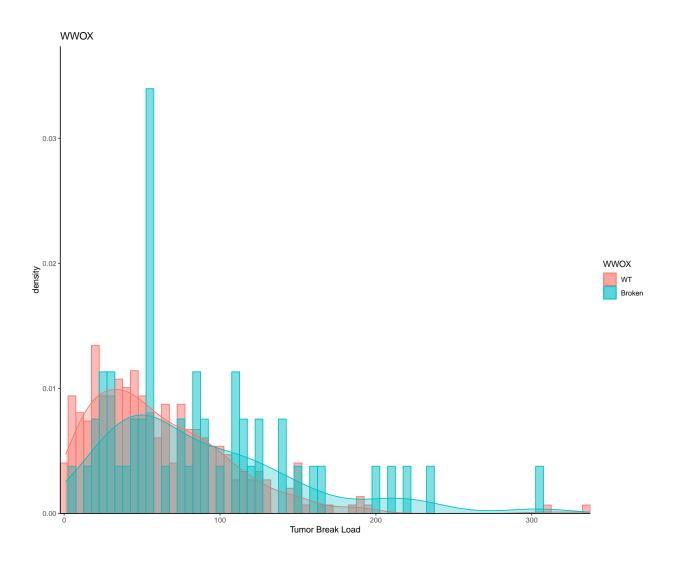


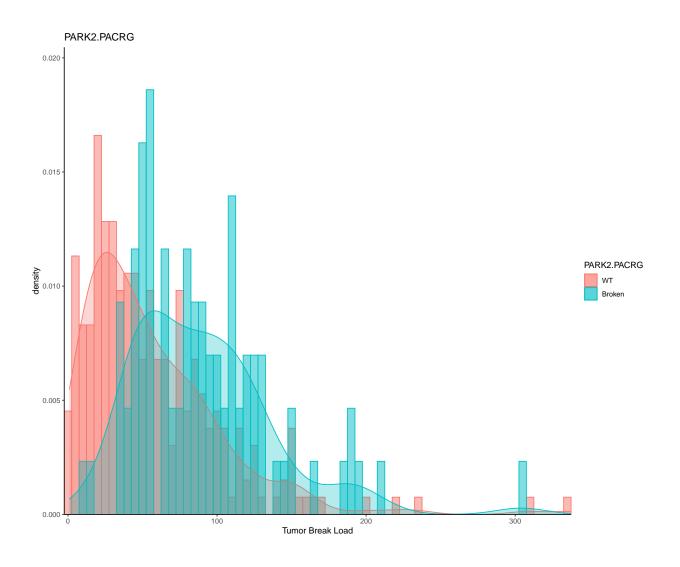


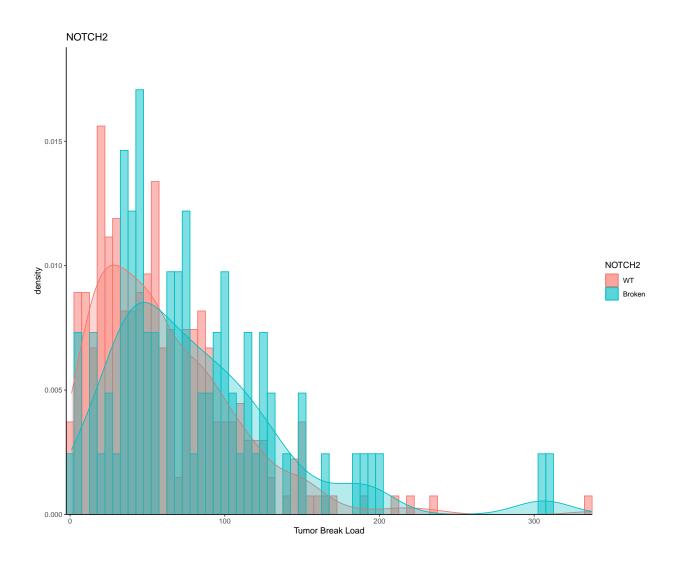




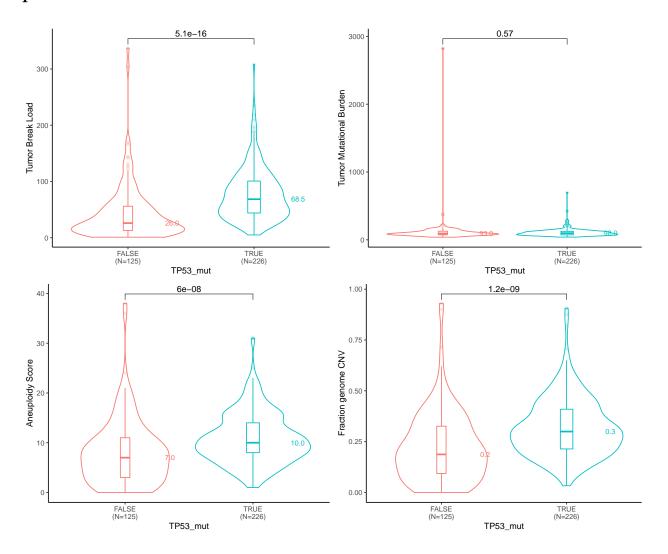




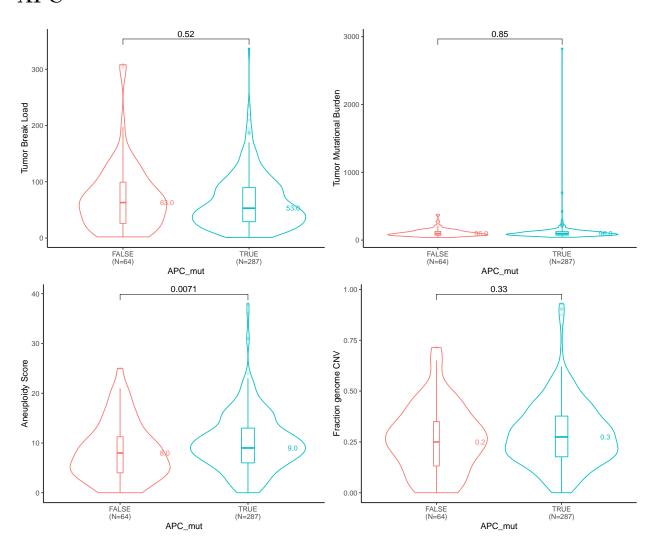




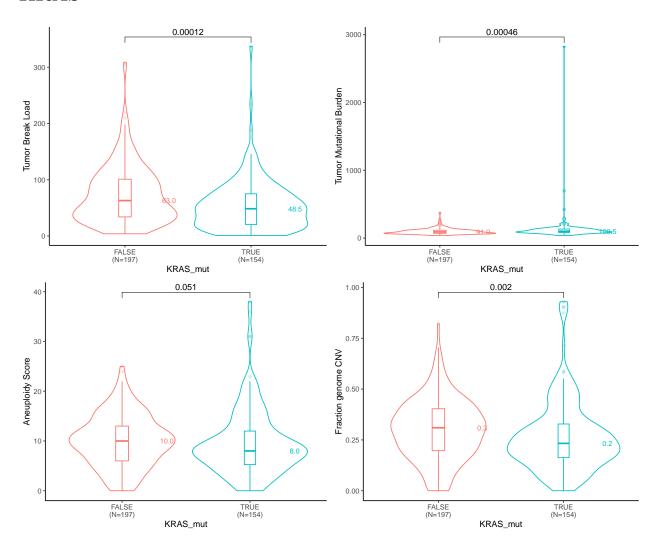
**p**53



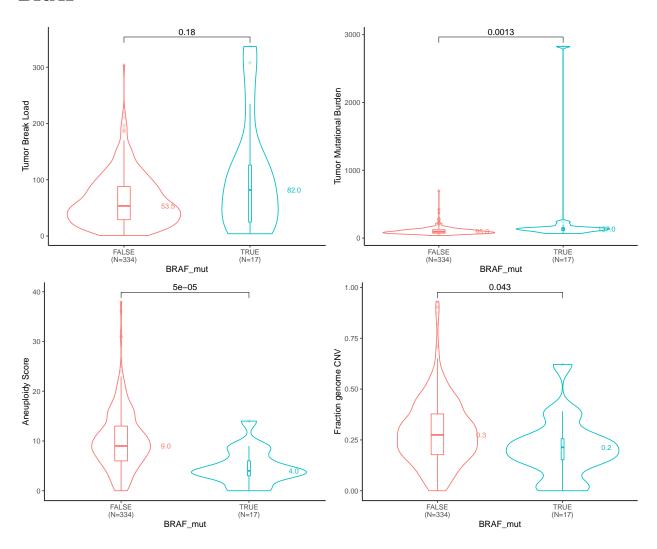
# APC



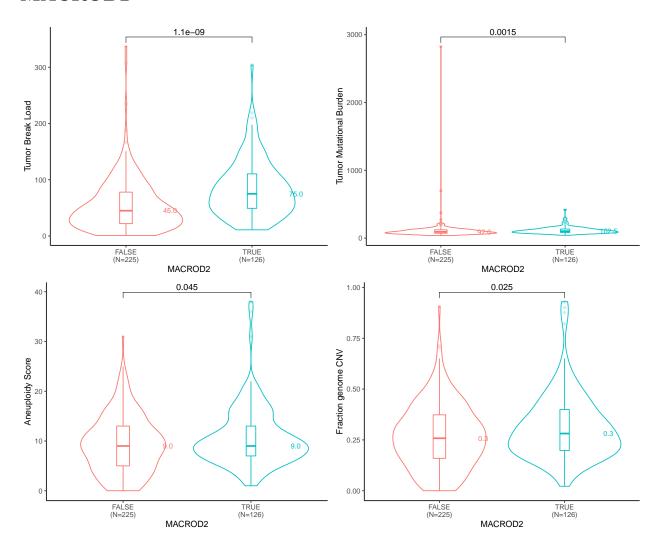
# KRAS



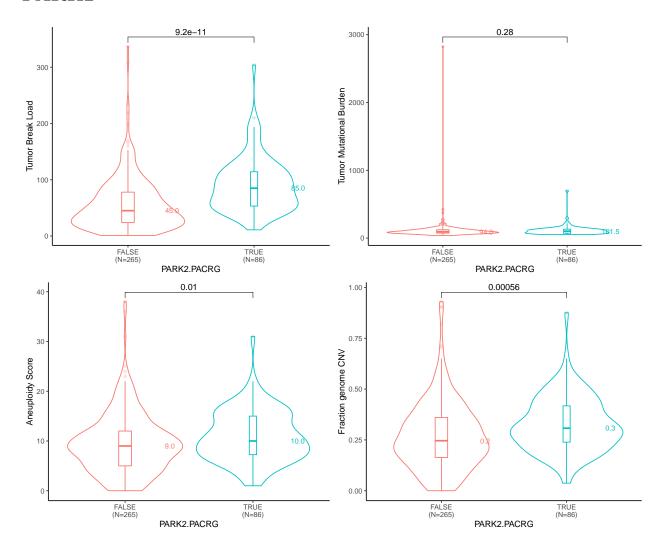
# $\mathbf{BRAF}$



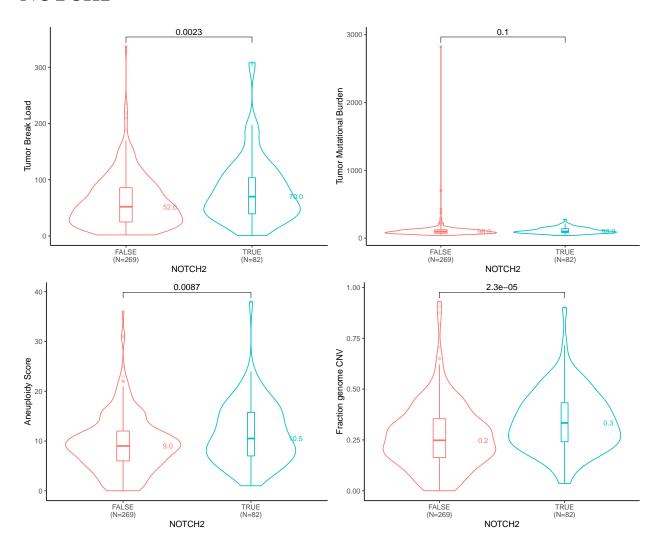
#### MACROD2



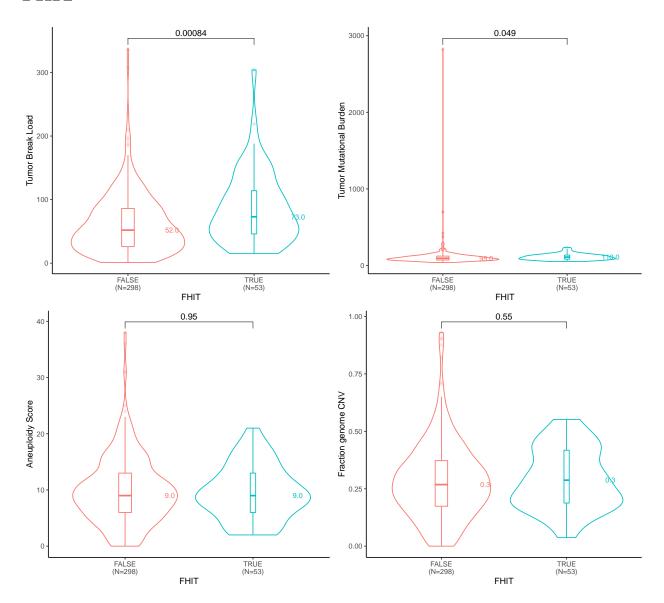
# PARK2



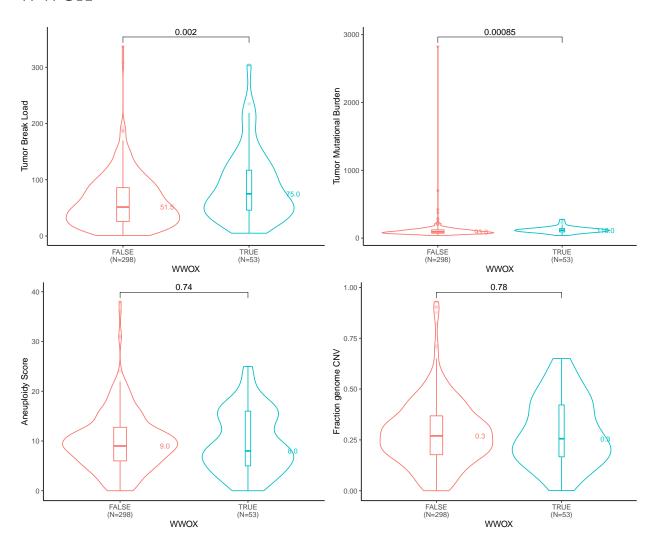
#### NOTCH2



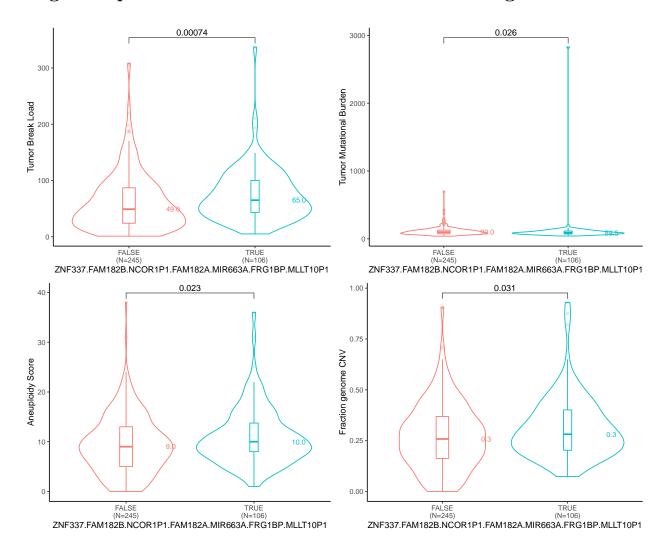
# FHIT



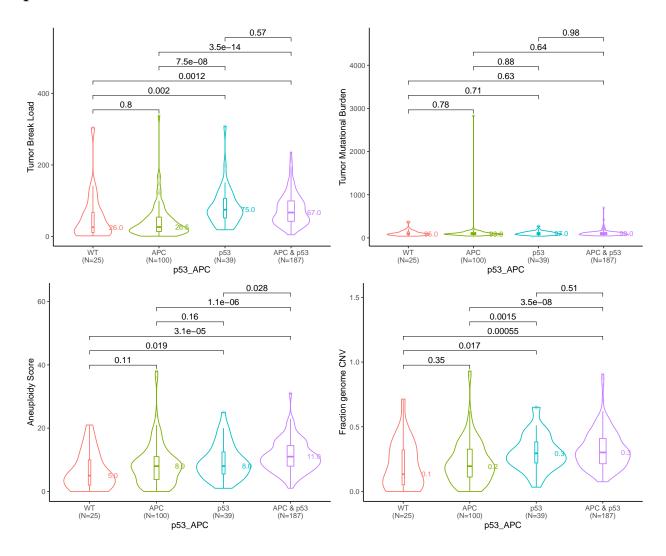
# wwox



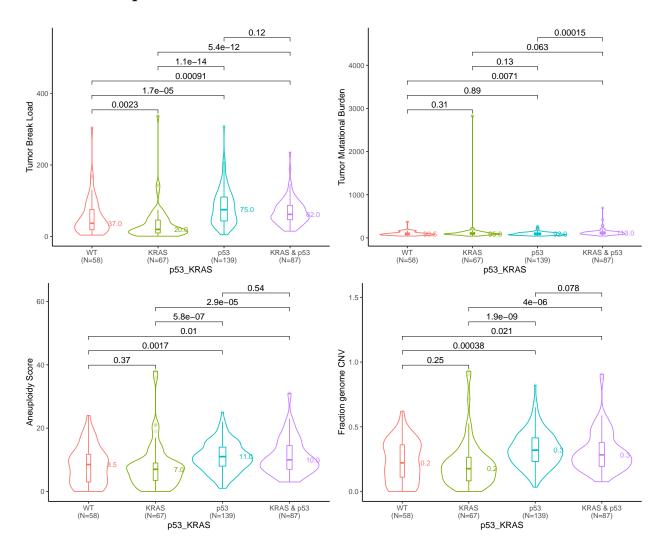
# Region 20p11 from Everts table which consist of 6 genes



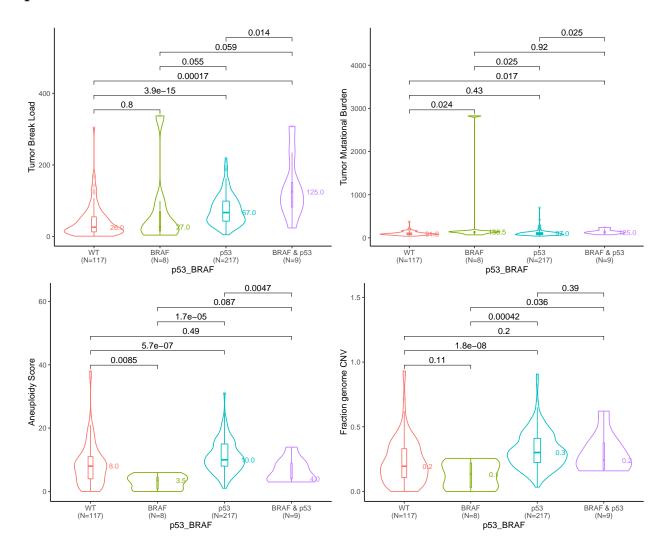
# p53 and APC



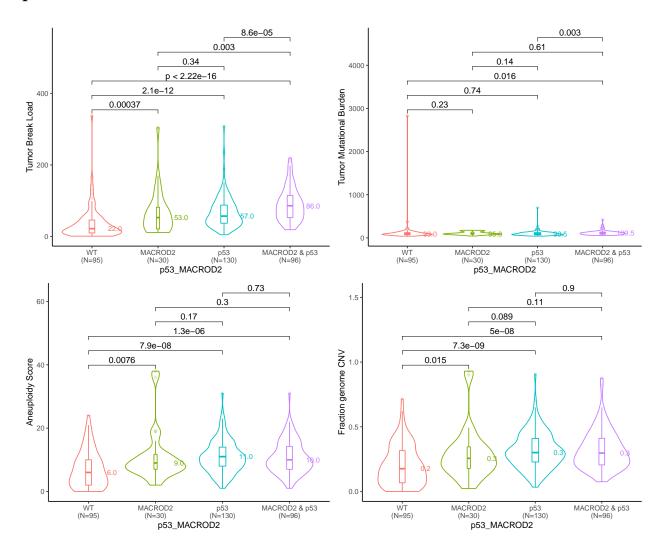
# KRAS and p53



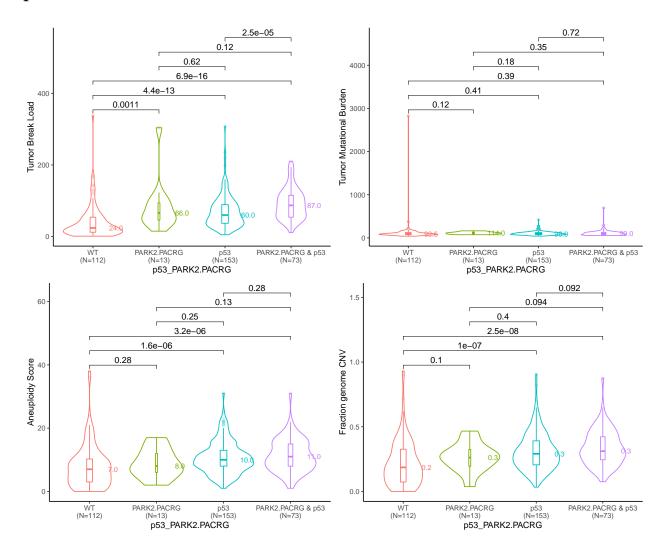
# p53 and BRAF



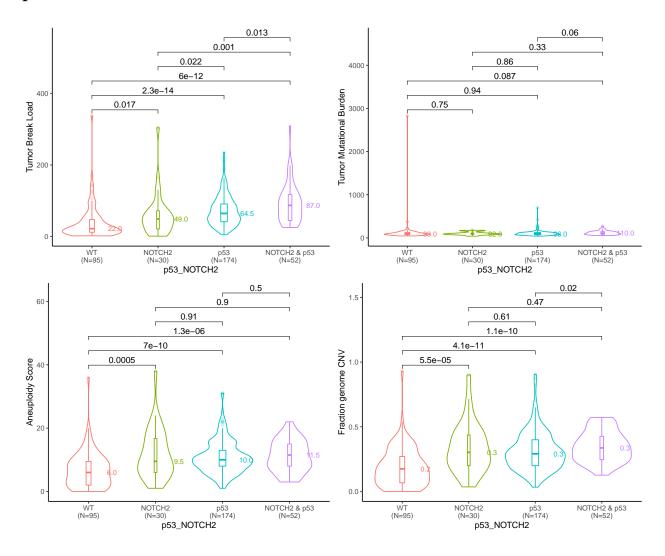
# p53 and MACROD2



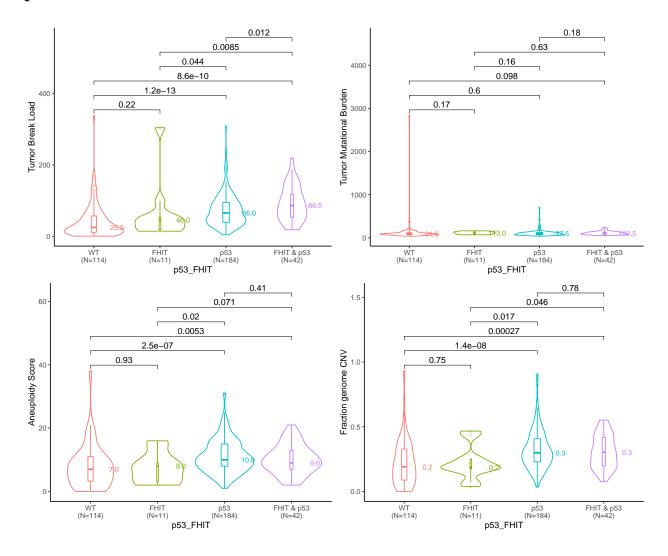
# p53 and PARK2



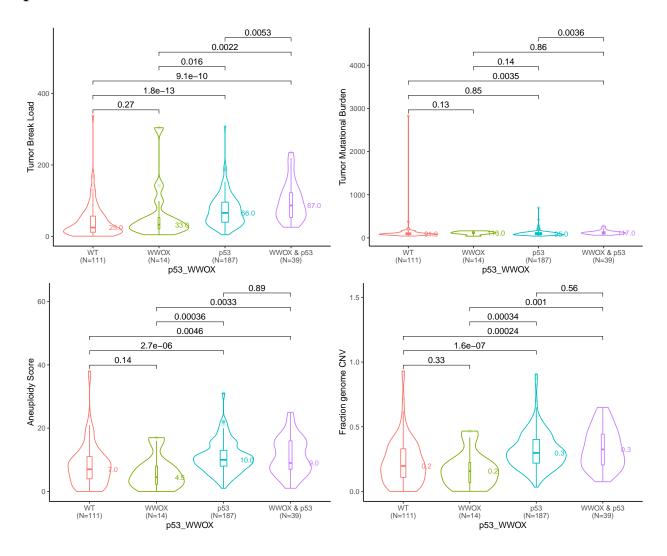
# p53 and NOTCH2



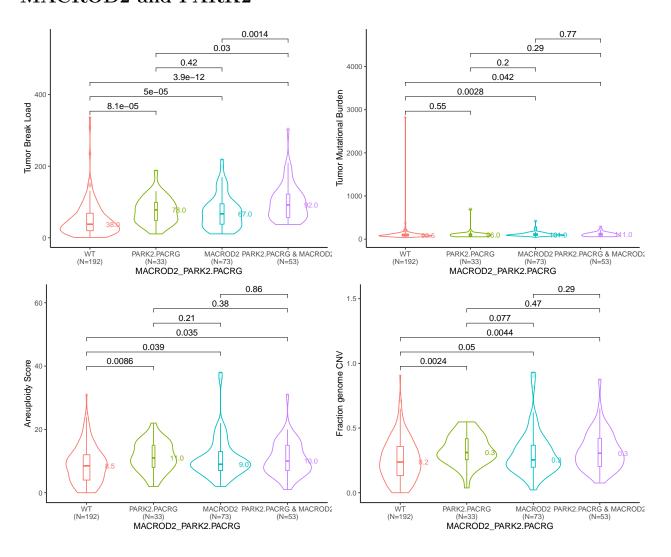
# p53 and FHIT



# p53 and WWOX



#### MACROD2 and PARK2



# Stages

