

## **(2) Built a tree with only our genetic data**

MRD  
clones  
CNAs  
SAMHD1\_1mutationONLY  
SAMHD1\_biallelic\_all  
TP53\_mutationONLY  
TP53biallelic  
SF3B1\_mutation  
NOTCH1\_mutation  
trisomy12  
trisomy18  
trisomy19  
XPO1amplificationALL  
XPO1mutationALL  
MYD88mutation  
MED12mutation  
POT1mutation  
X8q24amplification  
ZFPM2mutation  
Del14qi  
del8p  
X2pgain  
del4p  
X8qgain  
X6qMDR3  
X17q11q12  
X18q21p23  
No\_alterations  
independent\_13q.  
X13q\_hom  
X13q\_het  
X13\_refinedMDR\_loss\_4  
X3\_newMDR\_gain  
X9\_refinedMDR\_loss  
ATM\_mutation  
BIRC3\_mutation  
X11q\_mono\_del  
X11q\_biallelic  
SAMHD1  
TP53