Code and filtration parameters:

**Hard filters post GATK variant calling (code in R):**

Filtered\_snps<- all\_snps %>%

filter(QD > 2 & MQ > 40 & SOR < 3 & FS < 60) %>%

filter(MQRankSum > -8 | is.na(MQRankSum) == T) %>%

filter(ReadPosRankSum > -12.5 | is.na(ReadPosRankSum) == T) %>%

filter(DP > 0.5 \* mean(DP) & DP < 2 \* mean(DP))

#

**PLINK PCA pruning sites parameters:**

--indep-pairwise 50 10 0.1

#

**PLINK ROH parameters:**

--homozyg-kb 50 --homozyg-snp 25 --homozyg-gap 50

#