# Rivanna in /project/berglandlab/connor/PopGenome/vcf/

module load vcftools/0.1.15

# Removes all sites > 0.25 MAF from filtered vcf.gz

vcftools --gzvcf MapDec19PulexandObtusaandPulicaria\_filtsnps10bpindels\_snps\_filter\_pass\_lowGQmiss\_ann.vcf.gz --recode --out maf\_filter\_0.25.ann.vcf.gz --max-maf 0.25

# gzip vcf

module load htslib/1.9

bgzip maf\_filter\_0.25.out.recode.vcf > maf\_filter\_0.25.out.recode.vcf.gz

# Theta pi

vcftools --gzvcf maf\_filter\_0.25.out.recode.vcf.gz --chr goodChrom.txt --site-pi --out maf\_filter\_0.25\_pi

# Tajima’s D

vcftools --gzvcf maf\_filter\_0.25.out.recode.vcf.gz --chr goodChrom.txt --TajimaD 10000 --out maf\_filter\_0.25\_tajimasD