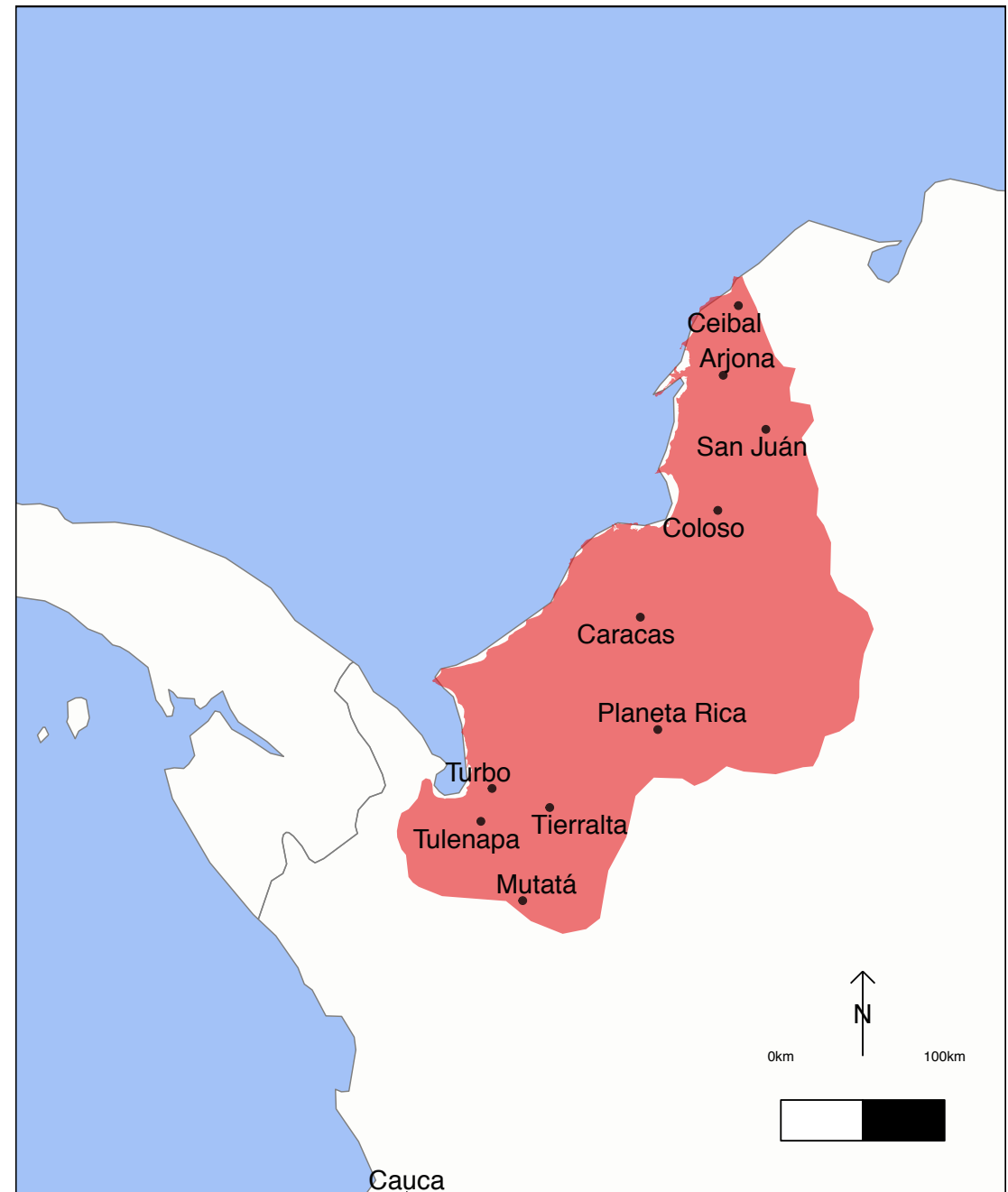


# Cotton-Top Tamarins

Linett Rasmussen

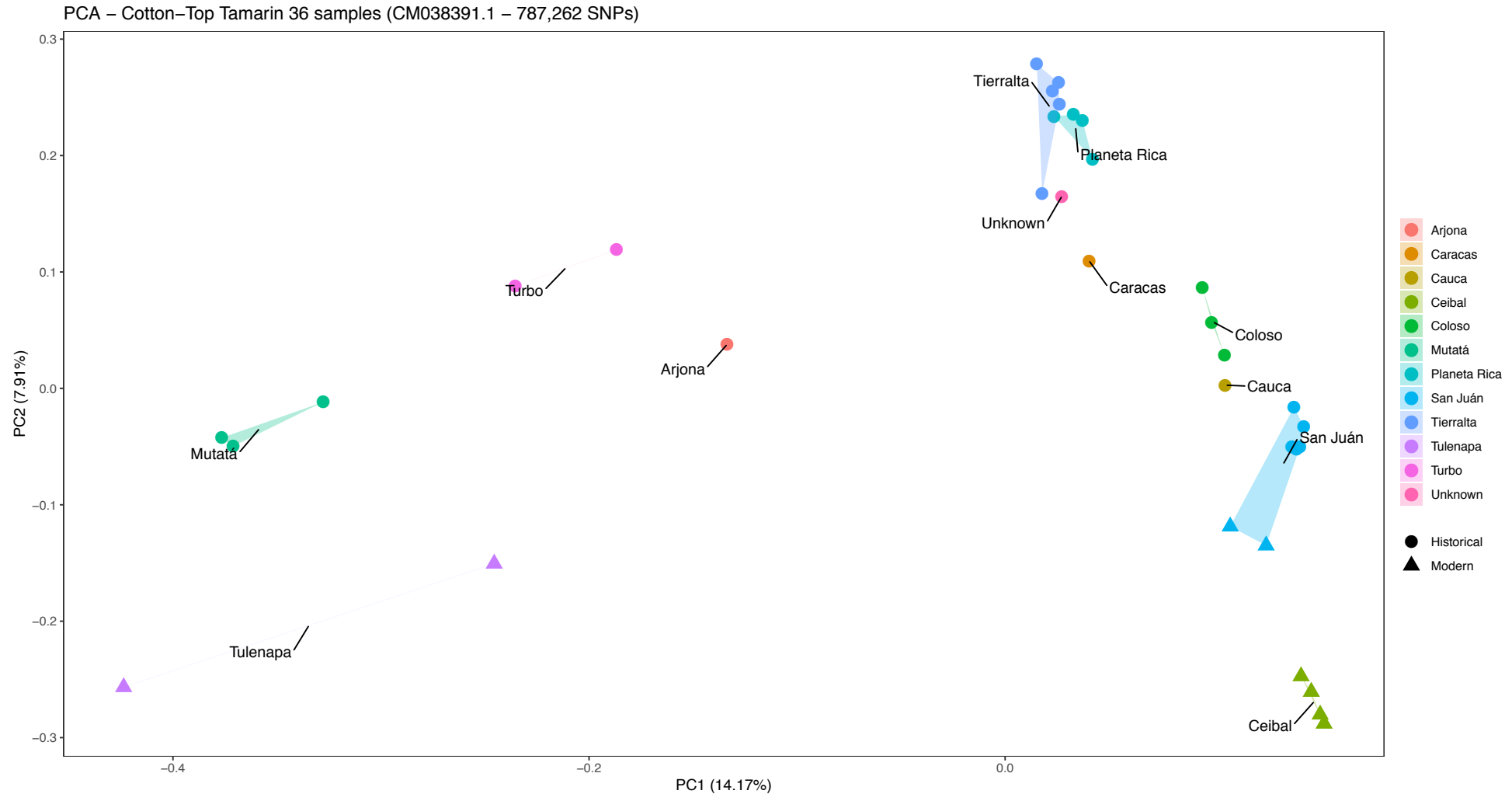
Claudia Fontseré

# Map



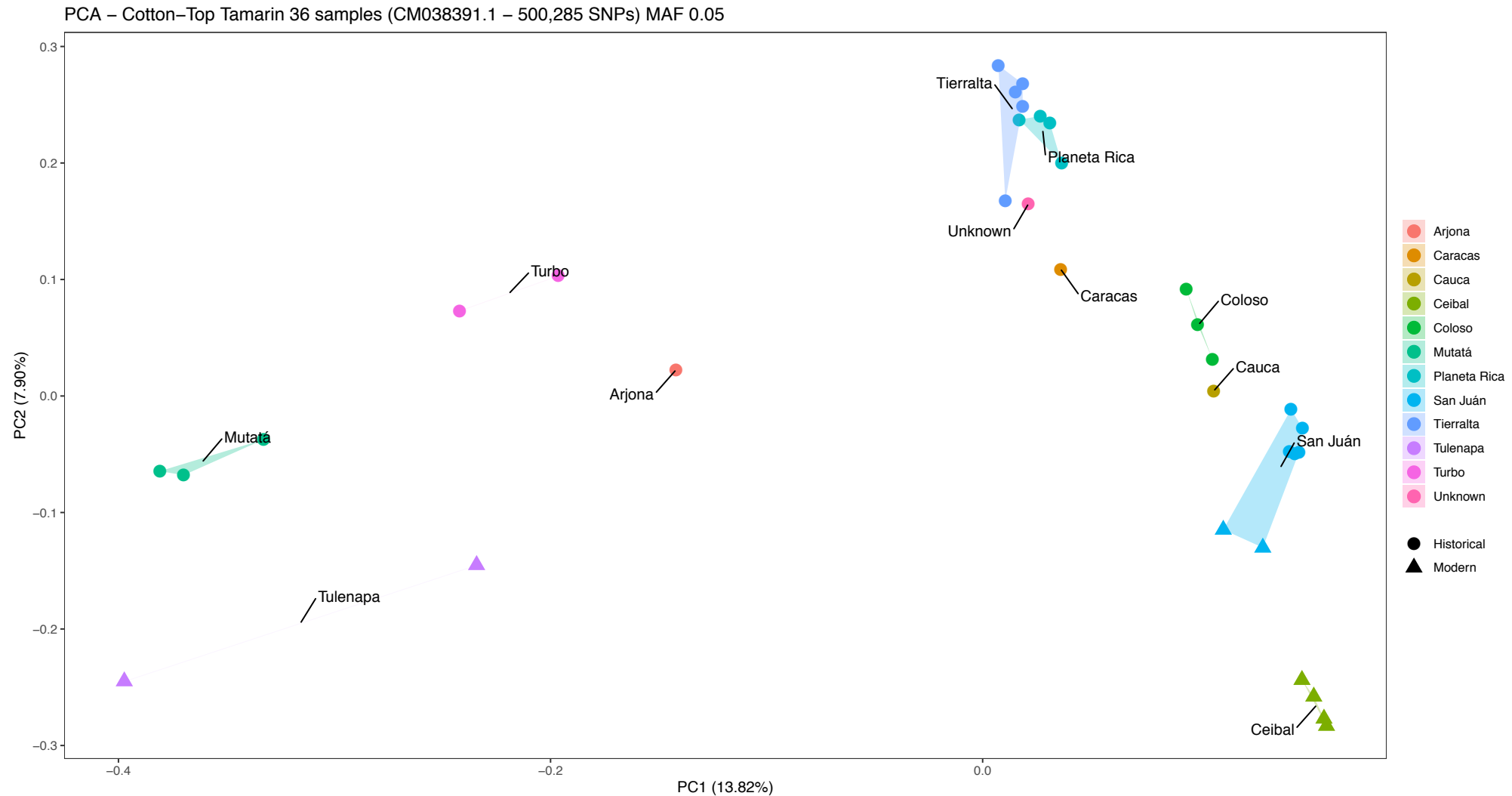
# PCA using ANGSD with different parameters

-maf 0.01



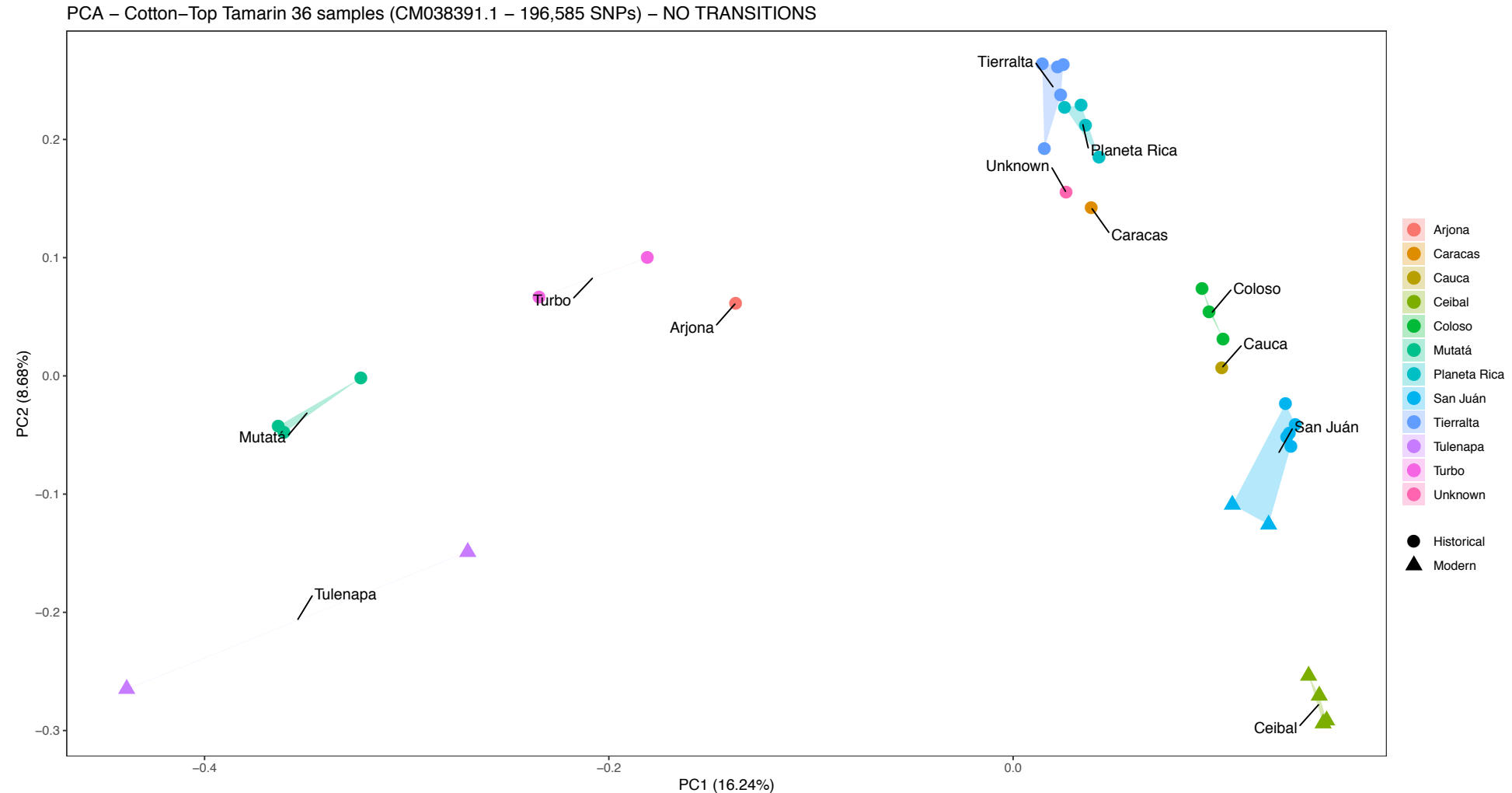
# PCA using ANGSD with different parameters

-maf 0.05



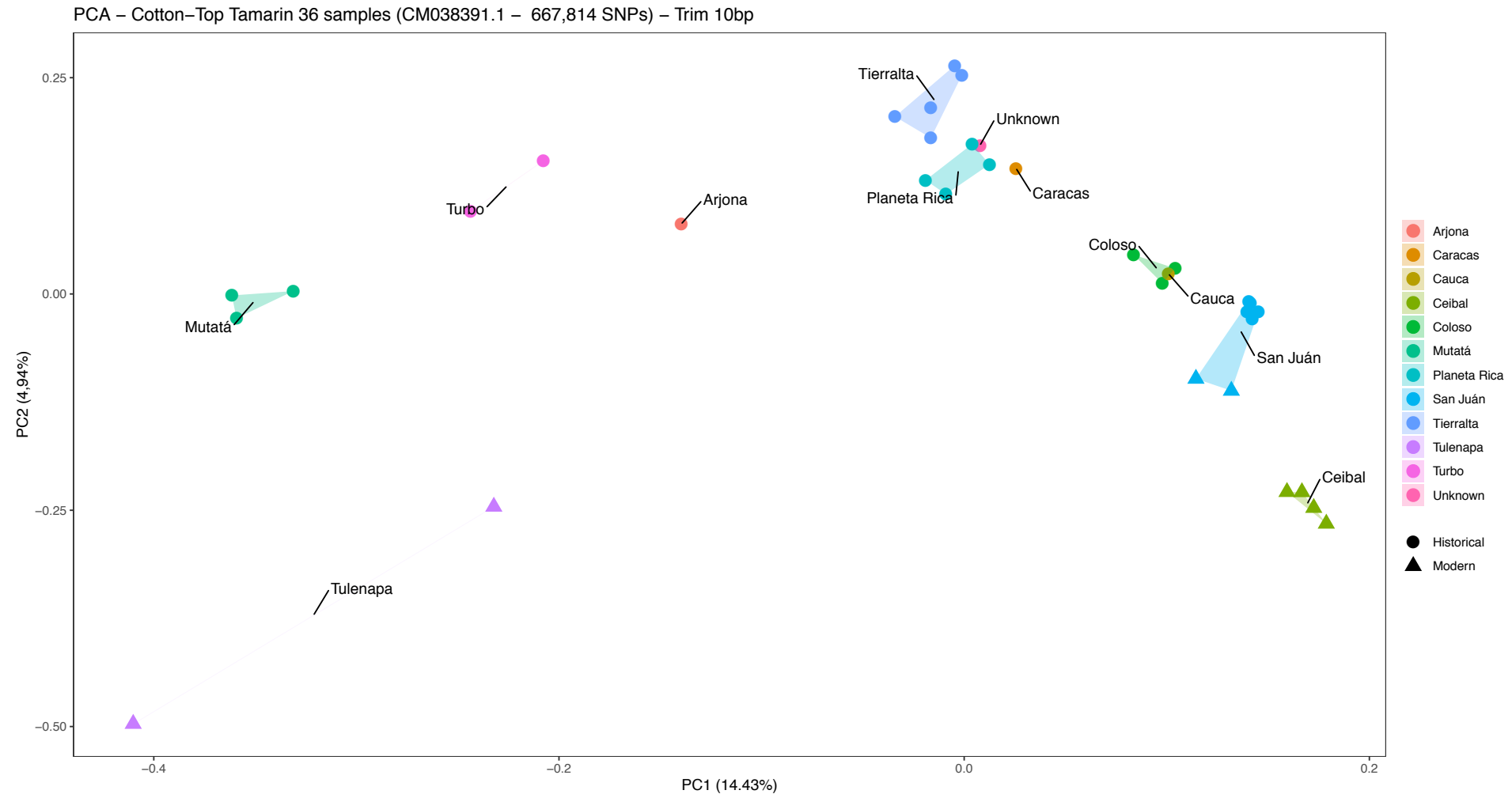
# PCA using ANGSD with different parameters

-maf 0.01 -rmTrans 1



# PCA using ANGSD with different parameters

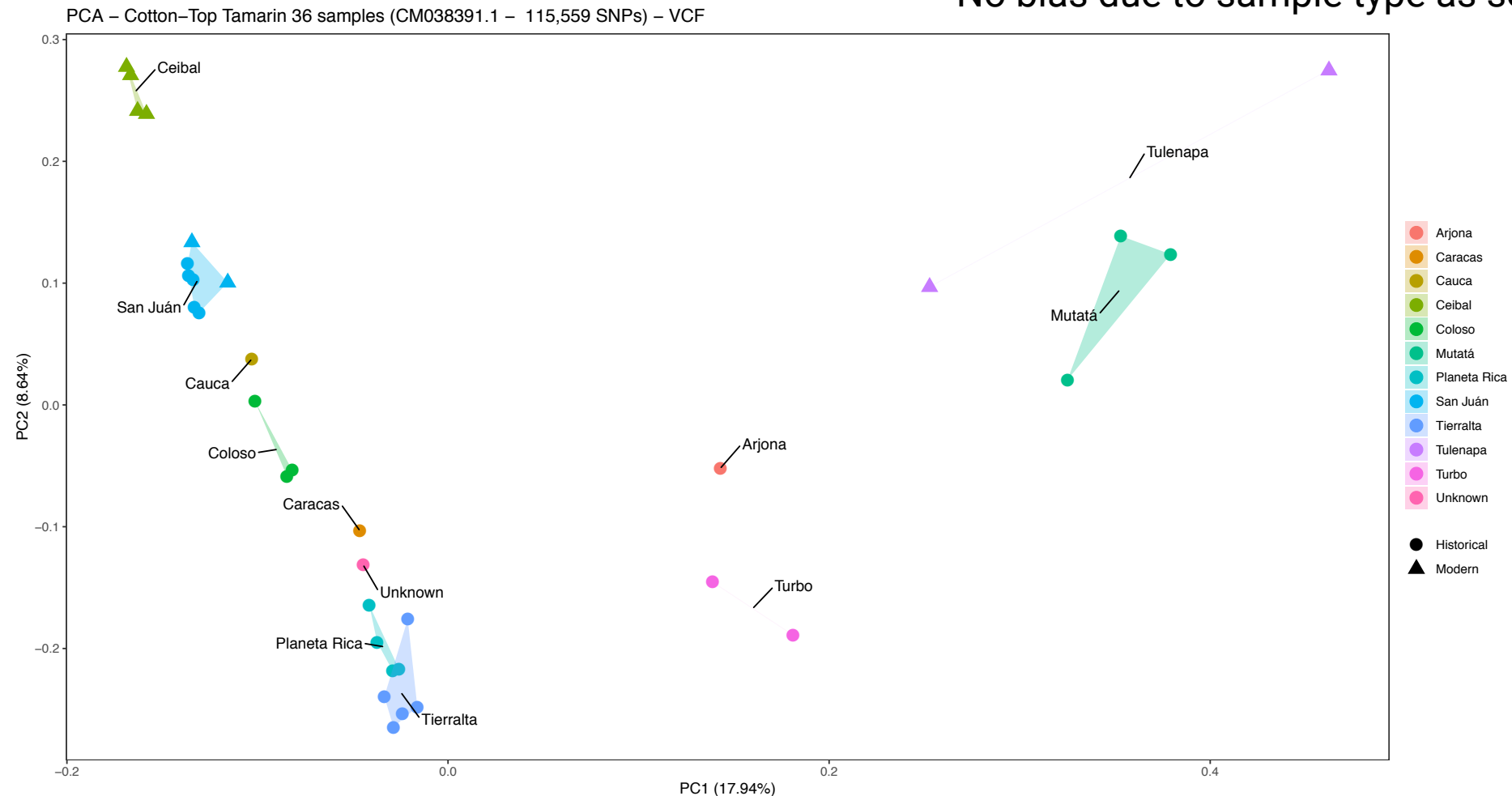
-maf 0.01 -trim 10



# PCA using SNP dataset (snpAD)

Vcftools --max-alleles 2 --max-missing 0.7 --minDP 3 --maxDP 50 --minQ 30 --remove-indels  
Plink --pca -maf 0.05

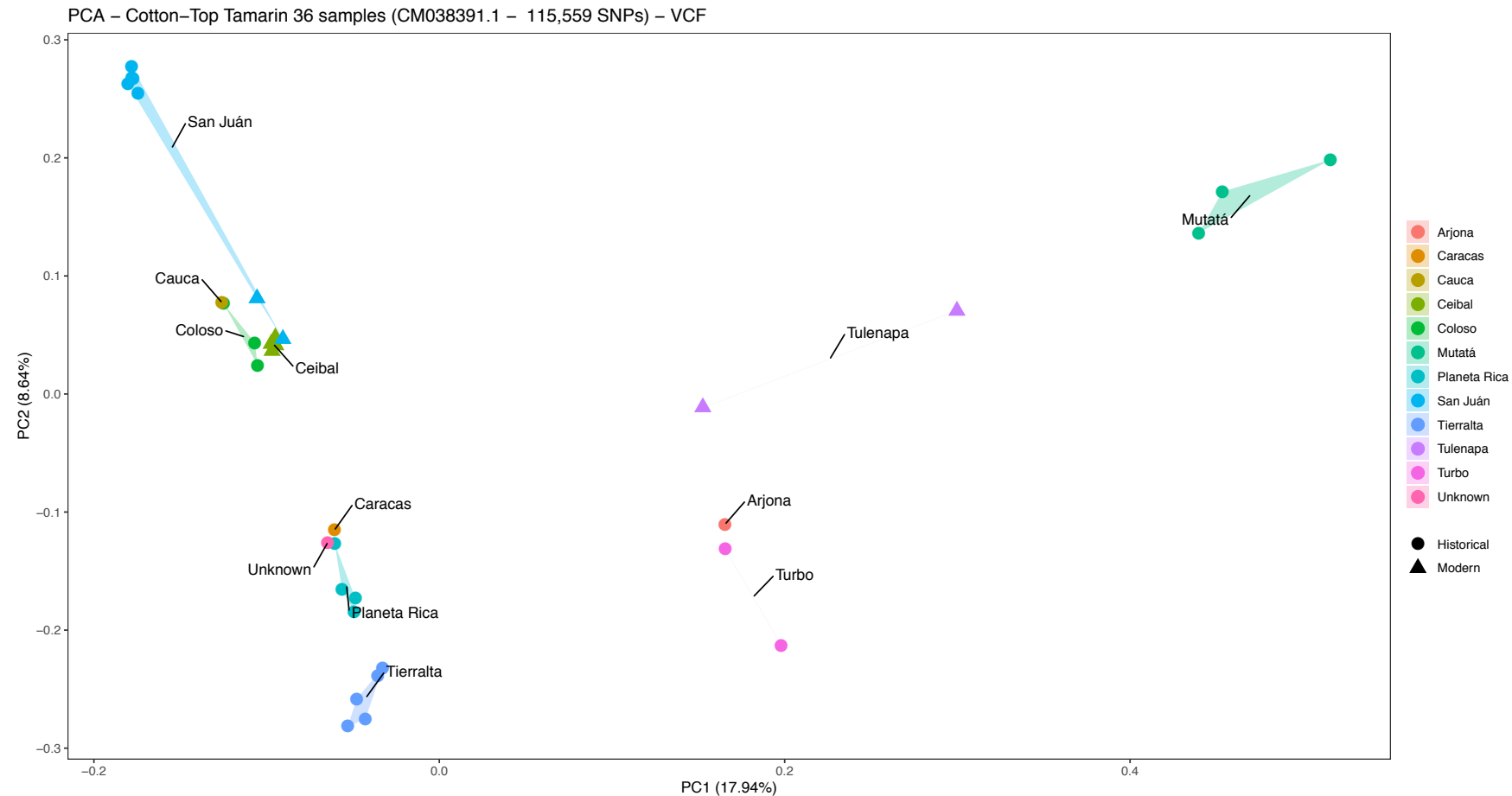
No bias due to sample type as seen in San Juan



# PCA using SNP dataset (snpAD)

Vcftools --max-alleles 2 --max-missing 0.7 --minDP 3 --maxDP 50 --minQ 30 --remove-indels

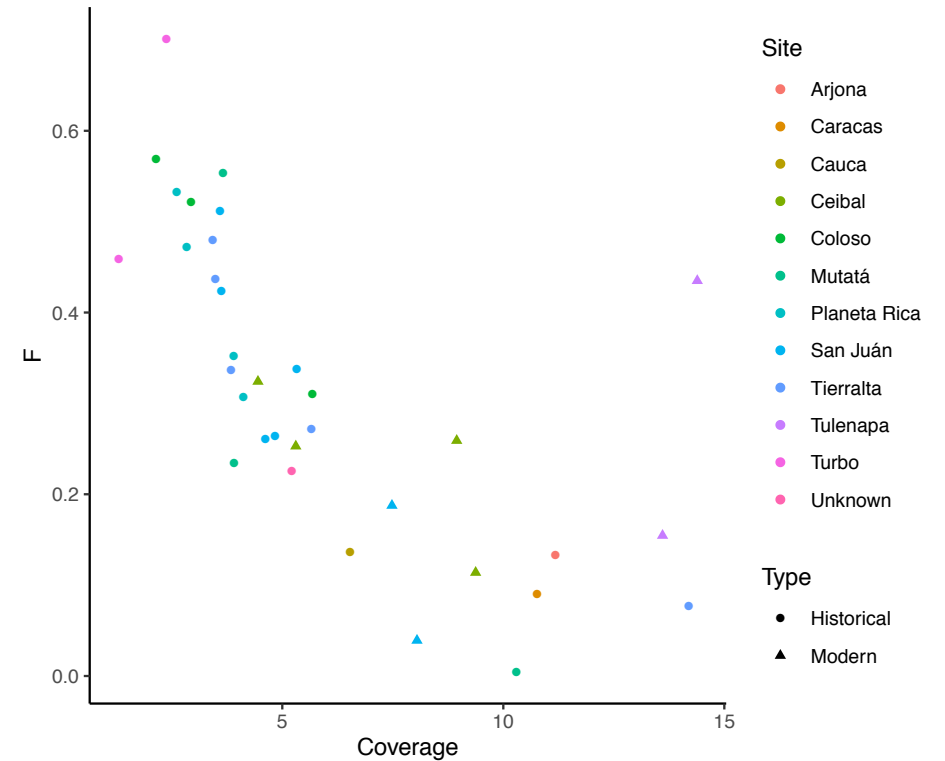
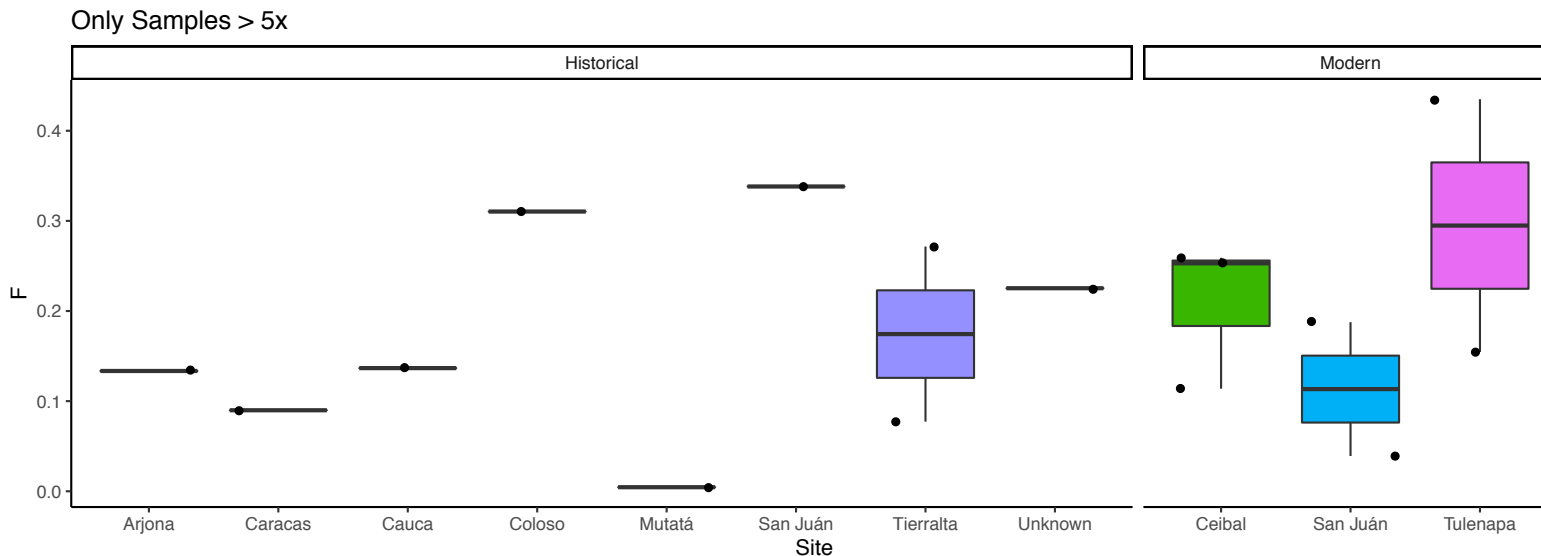
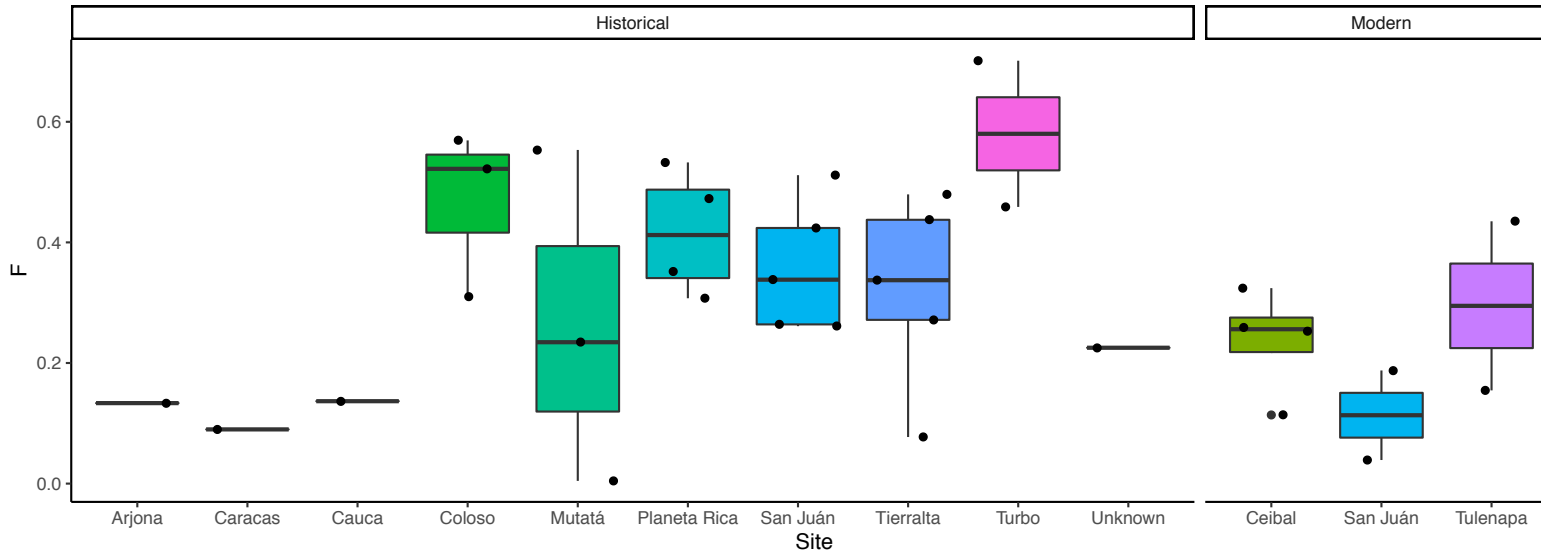
Projected PCA (PC built with historical and Modern projected) Plink --pca -maf 0.05 --pca-cluster-names Historical --within clusters





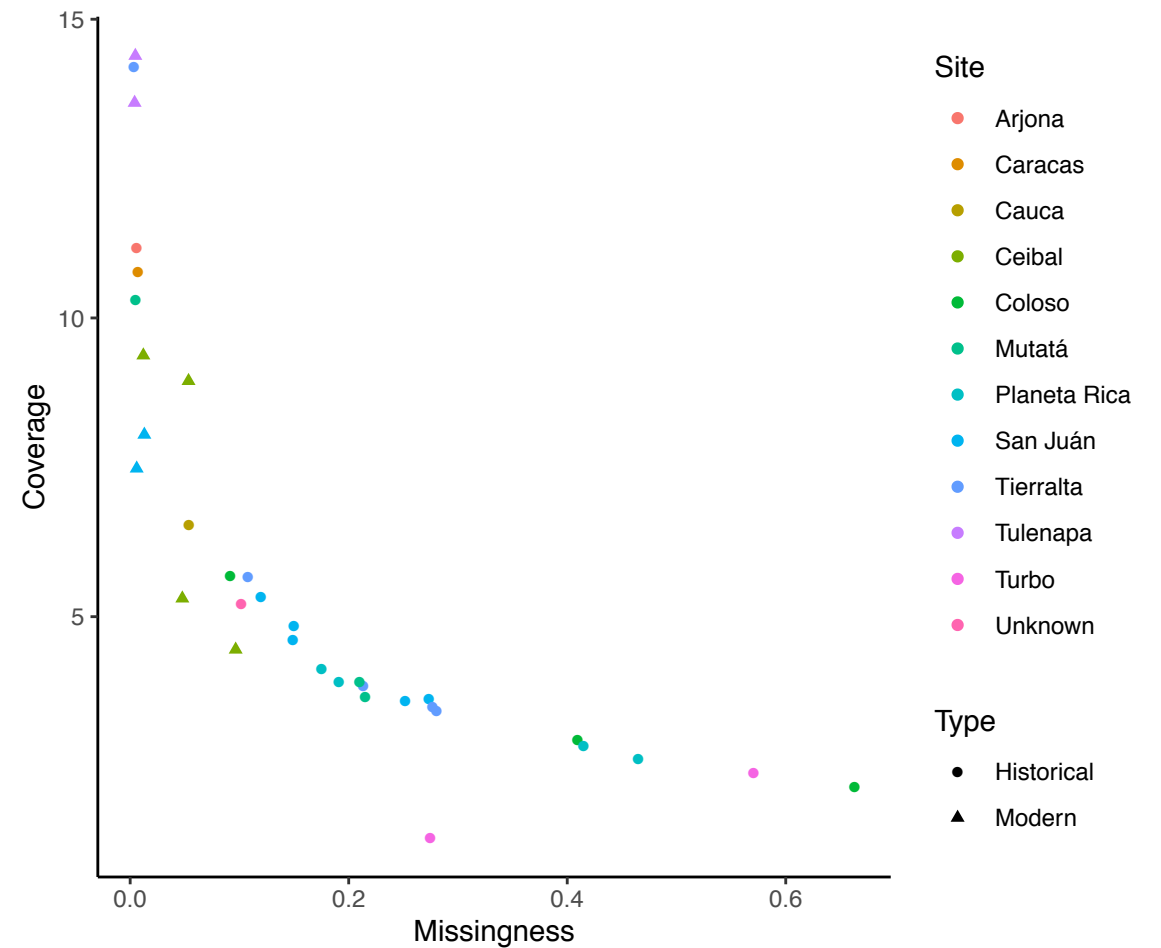
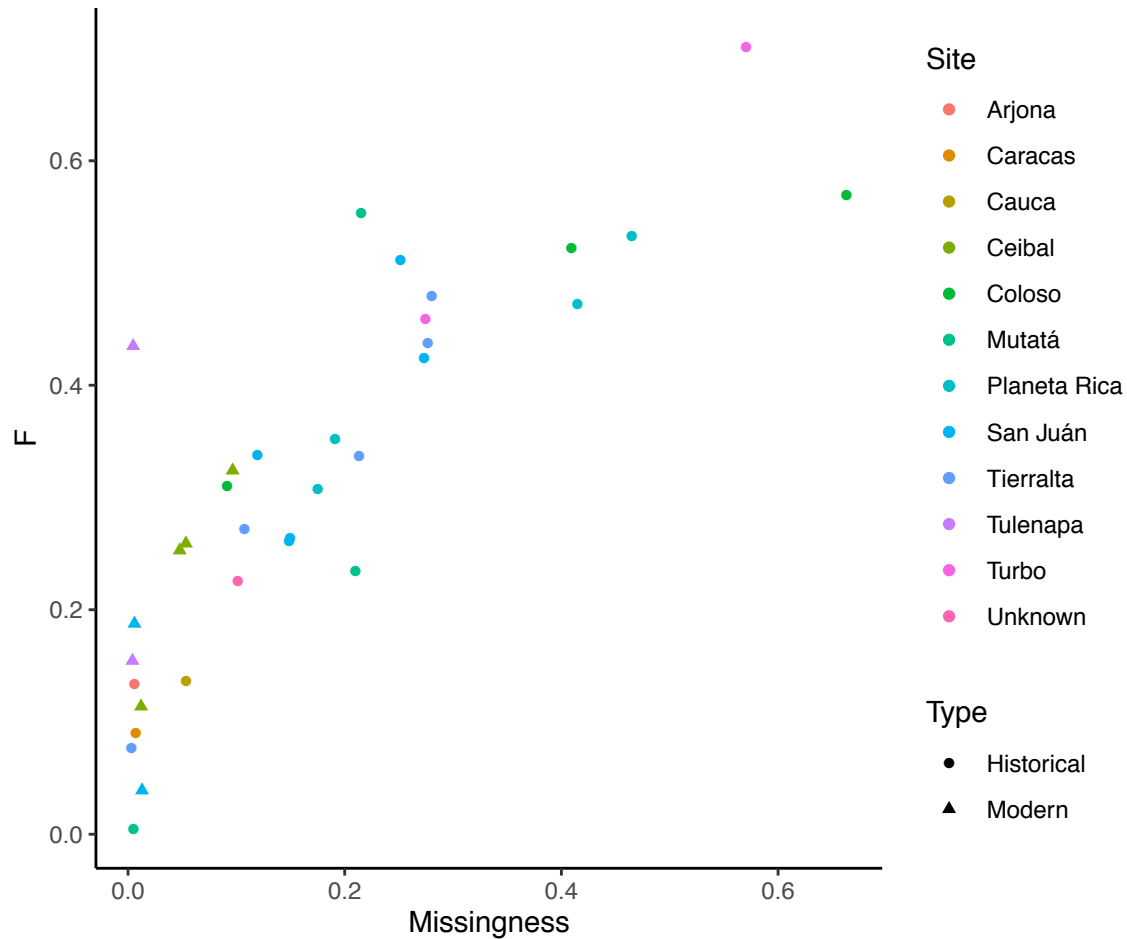
# F inbreeding with --het (snpAD)

-maf 0.05 --max-alleles 2 --max-missing 0.7 --minDP 3 --maxDP 50 --minQ 30 --remove-indels



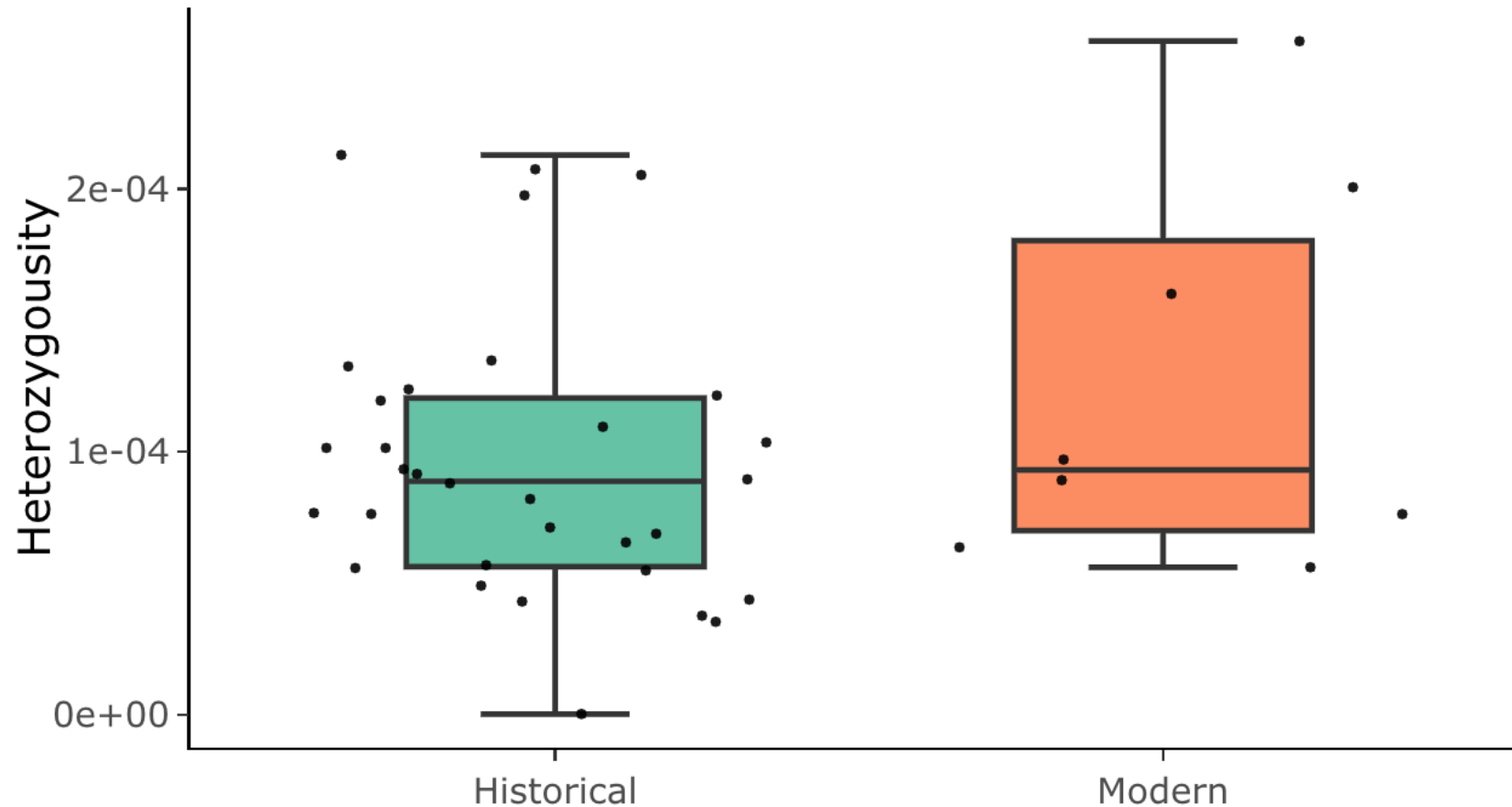
We should downsample to the same coverage to compare the values of F

# Inbreeding, coverage and missingness



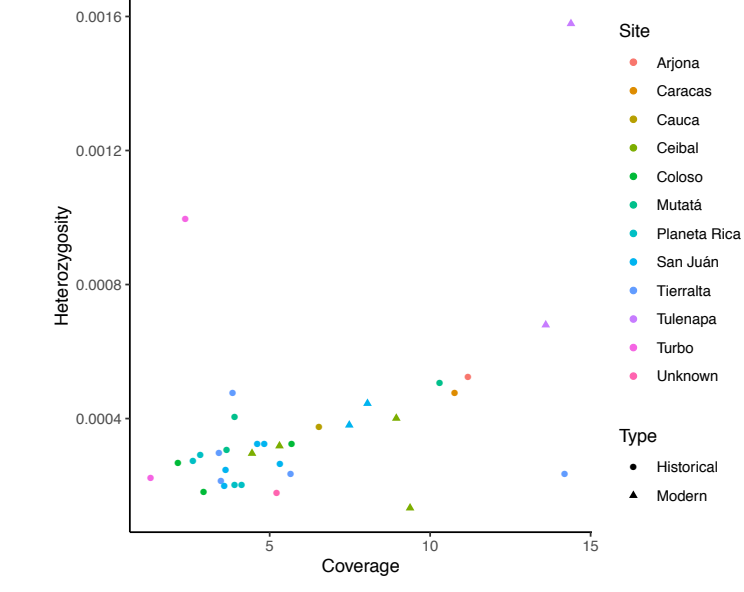
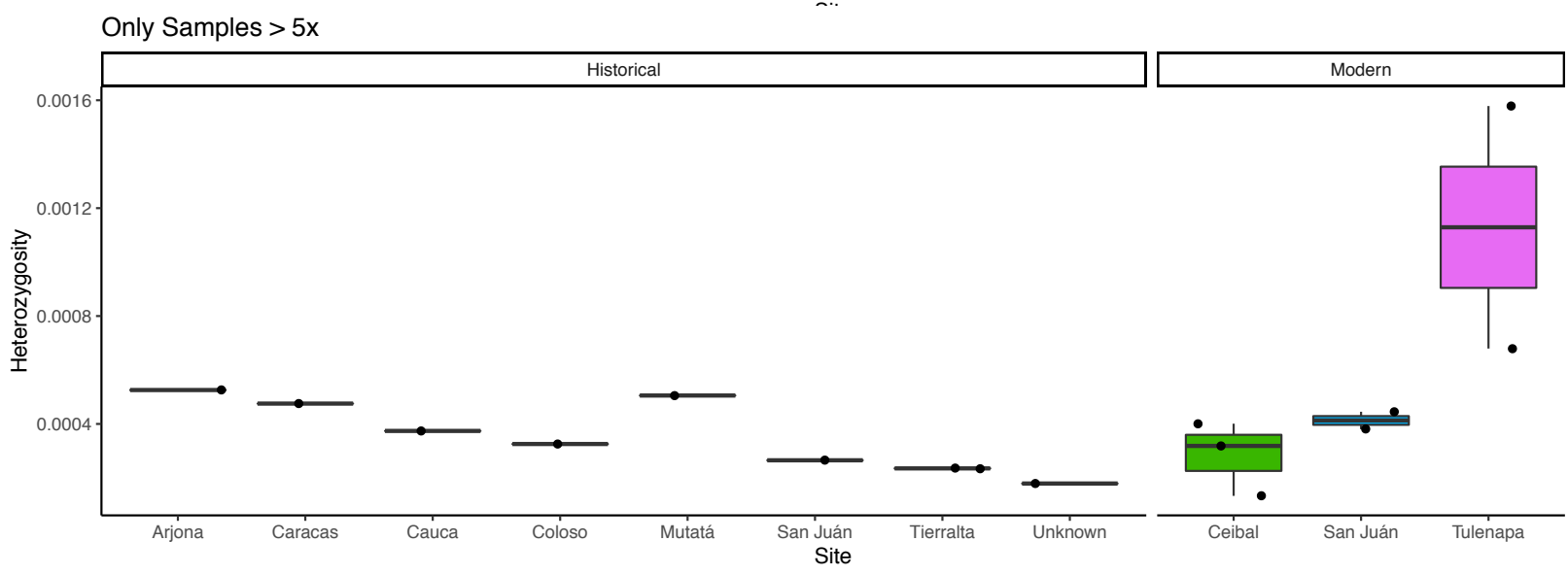
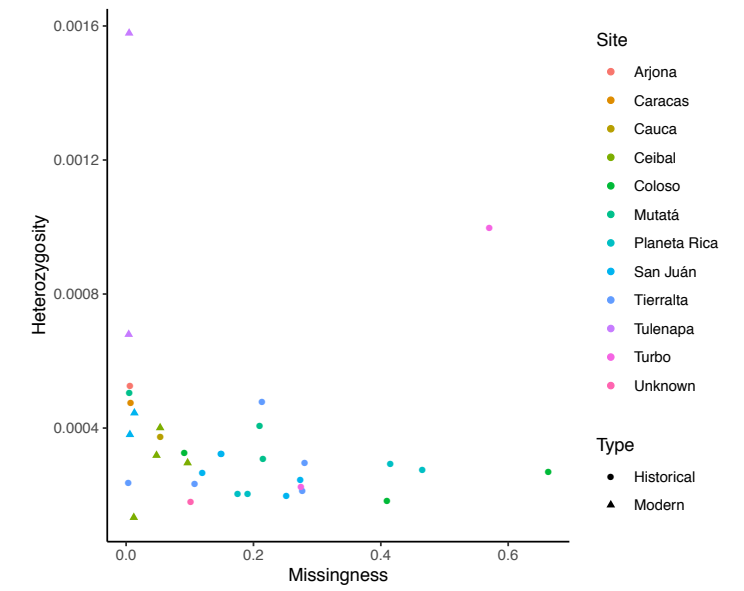
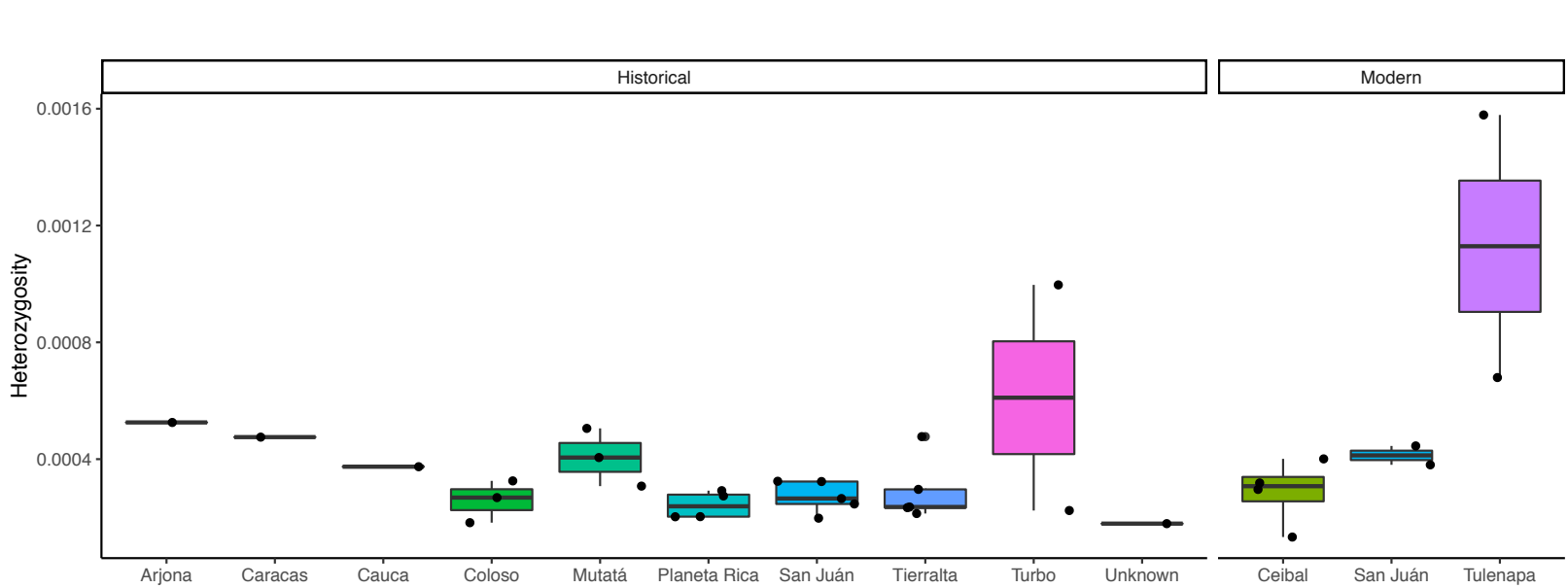
# Heterozygosity (ANGSD) by Linett

Heterozygosity



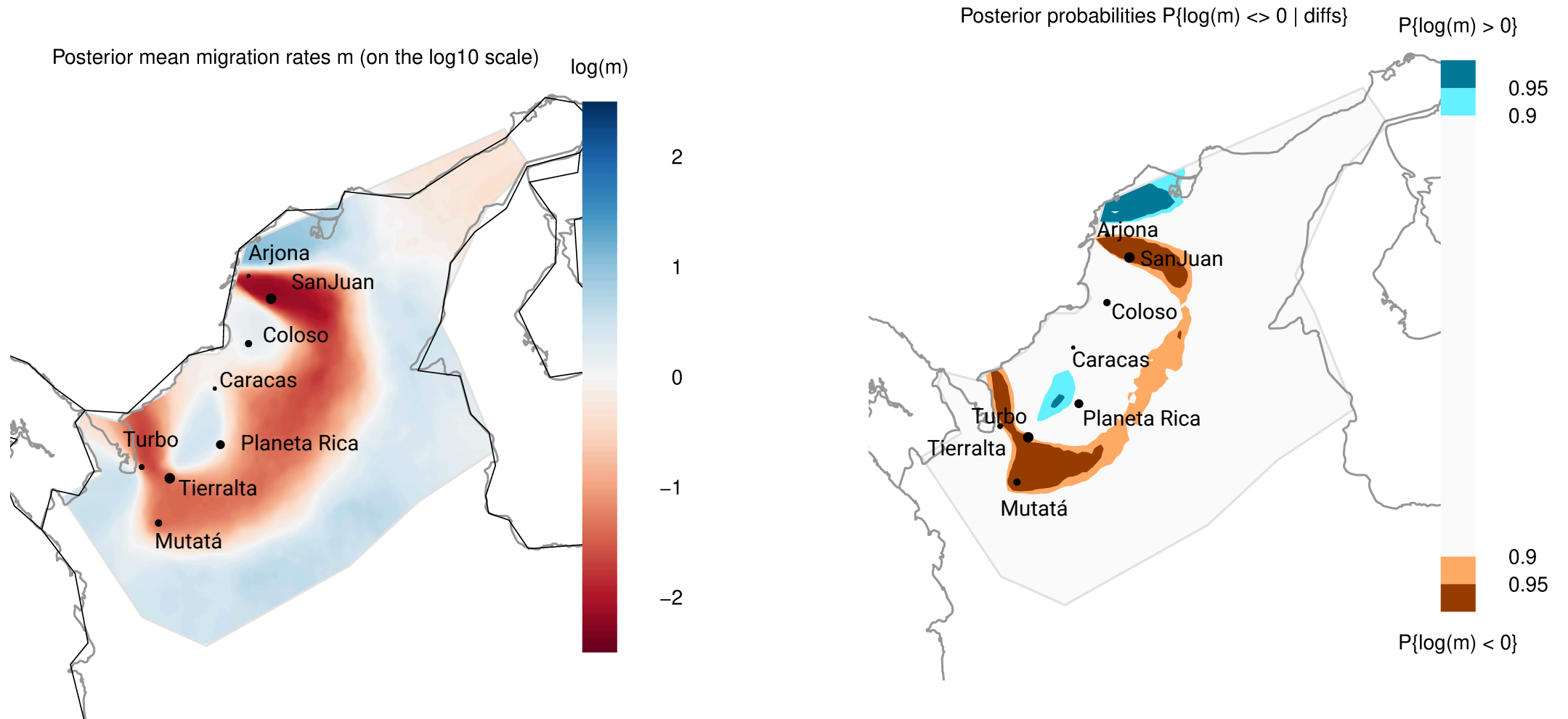
Probable effect of coverage

# Heterozygosity (snpAD) by Claudia



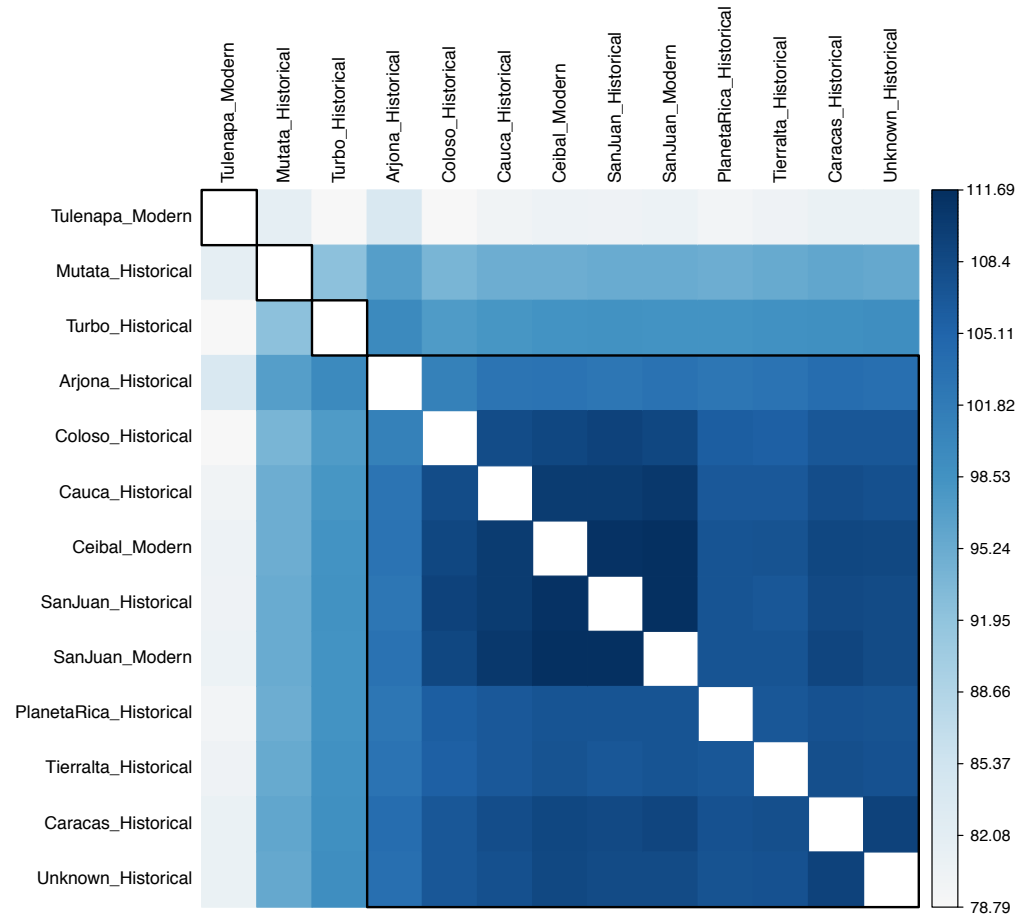
# EEMS only historical (excluded Cauca + Unknown)

-maf 0.05 --minGQ 20 --max-missing 0.8 --max-alleles 2 --minDP 3 --maxDP 50 --minQ 30 --remove-indels



# F3 outgroup

--maf 0.00001 --minGQ 20 --max-missing 0.8 --max-alleles 2 --minDP 3 --maxDP 50 --minQ 30 --remove-indels



As outgroup I am using the Reference (it is the same species? To which pop it is more similar?)  
Consider adding a different individual

