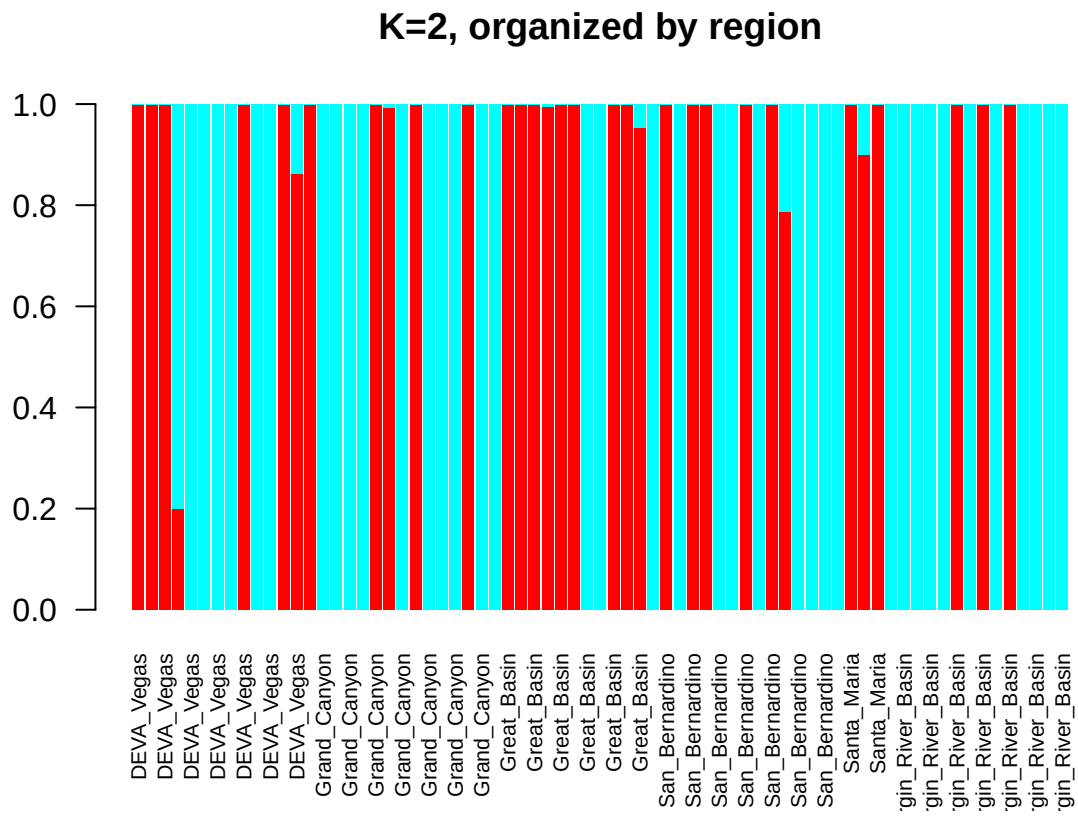
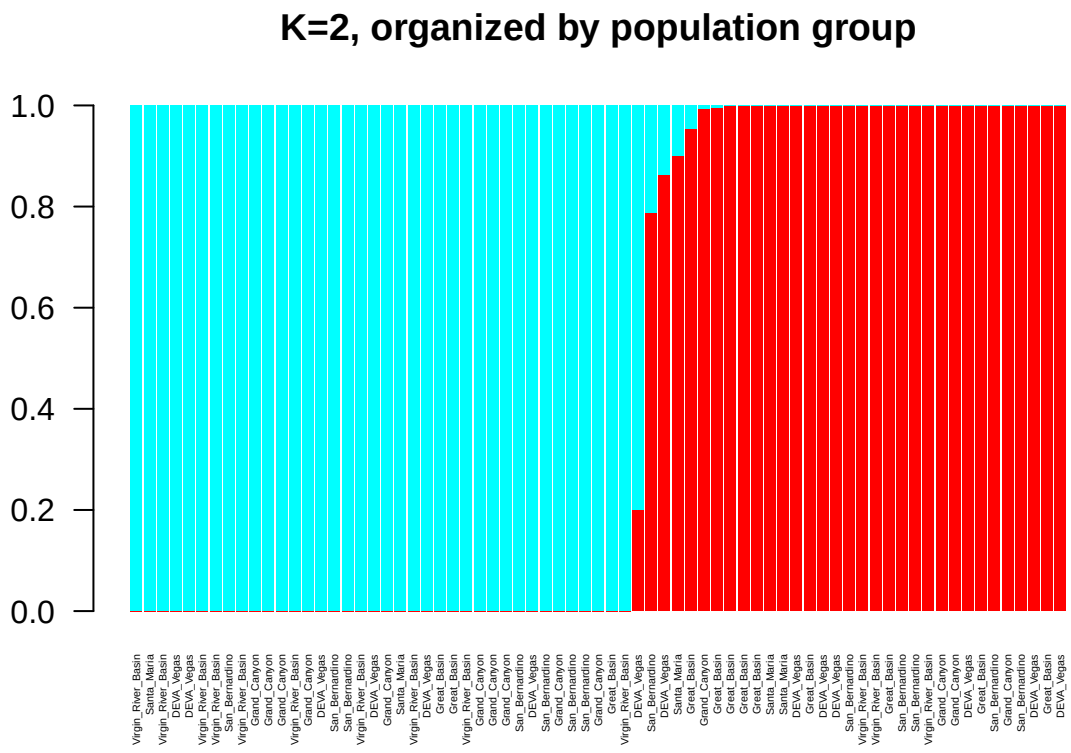
admixture plotting

Plotting for K=2

```
tbl=read.table("~/Cirsium/admixture/cirsium_filtered_A/cirsium_A.2.Q")

popGroups = read.table("~/Cirsium/admixture/cirsium_filtered/taxa.txt", col.names=c("Ind", "Region"))

mergedAdmWithPopGroups = cbind(popGroups, tbl)

ordered_by_reg = mergedAdmWithPopGroups[order(mergedAdmWithPopGroups$Region),]

barplot(t(as.matrix(subset(ordered_by_reg, select=V1:V2))), col=rainbow(2), border=NA, names.arg=c(orde
```

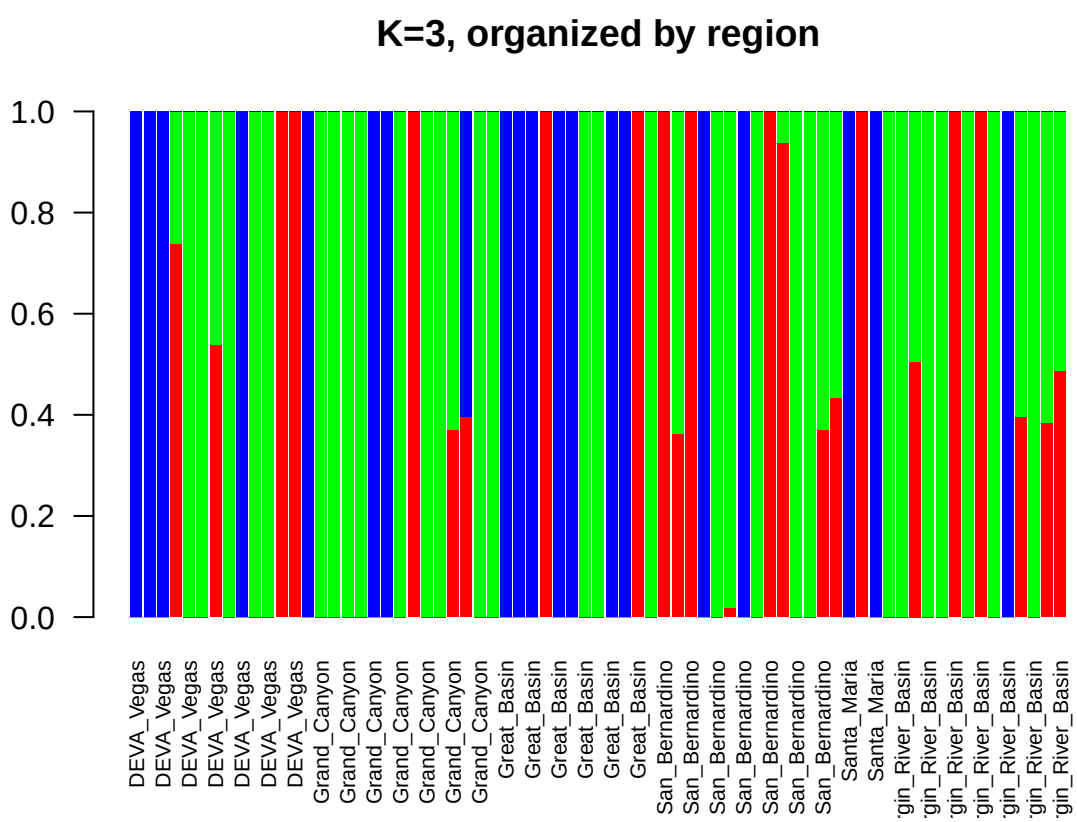



```
ordered_by_sim = mergedAdmWithPopGroups[order(mergedAdmWithPopGroups$V1),]


barplot(t(as.matrix(subset(ordered_by_sim, select=V1:V2))), col=rainbow(2), border=NA, names.arg=c(orde
```

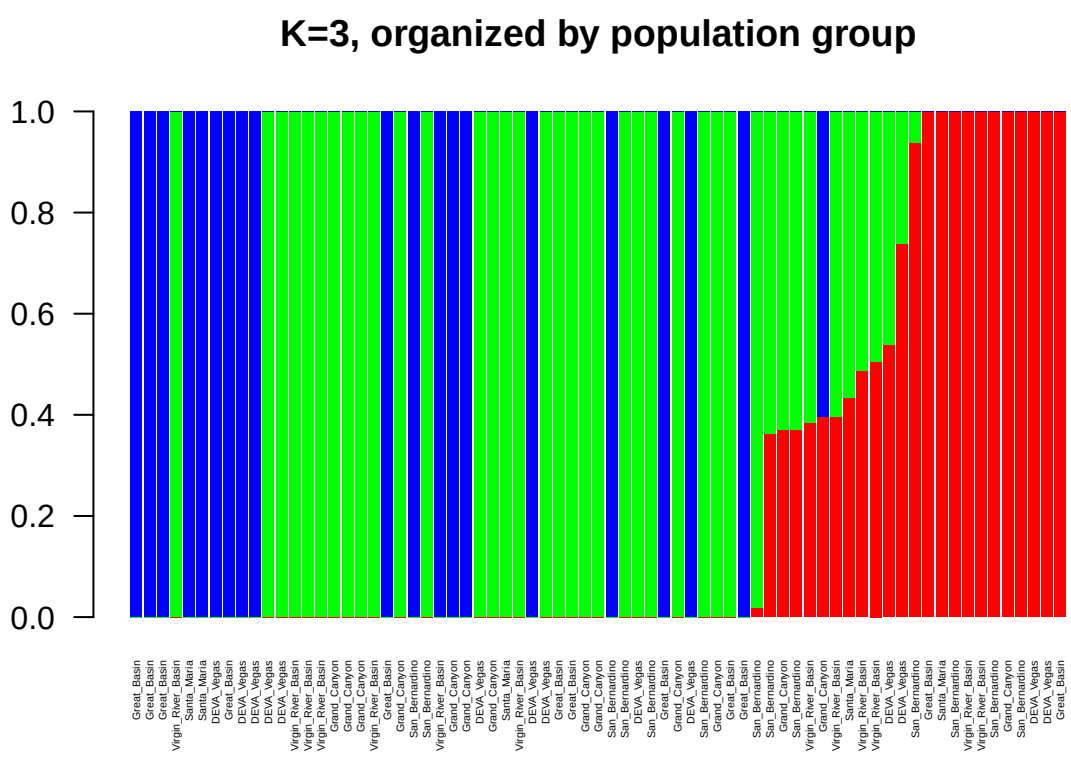


Plotting for K=3

```
tbl=read.table("~/Cirsium/admixture/cirsium_filtered_A/cirsium_A.3.Q")

popGroups = read.table("~/Cirsium/admixture/cirsium_filtered/taxa.txt", col.names=c("Ind", "Region"))

mergedAdmWithPopGroups = cbind(popGroups, tbl)

ordered_by_reg = mergedAdmWithPopGroups[order(mergedAdmWithPopGroups$Region),]

barplot(t(as.matrix(subset(ordered_by_reg, select=V1:V3))), col=rainbow(3), border=NA, names.arg=c(orde
```

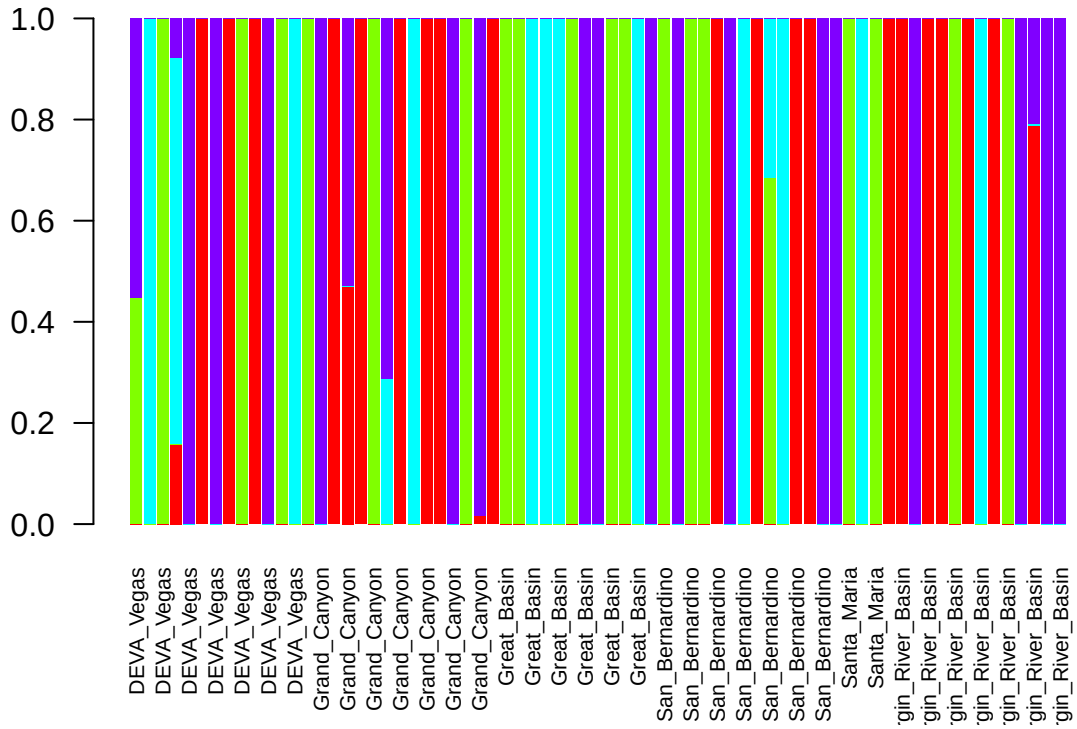



```
ordered_by_sim = mergedAdmWithPopGroups[order(mergedAdmWithPopGroups$V1),]


barplot(t(as.matrix(subset(ordered_by_sim, select=V1:V3))), col=rainbow(3), border=NA, names.arg=c(orde
```

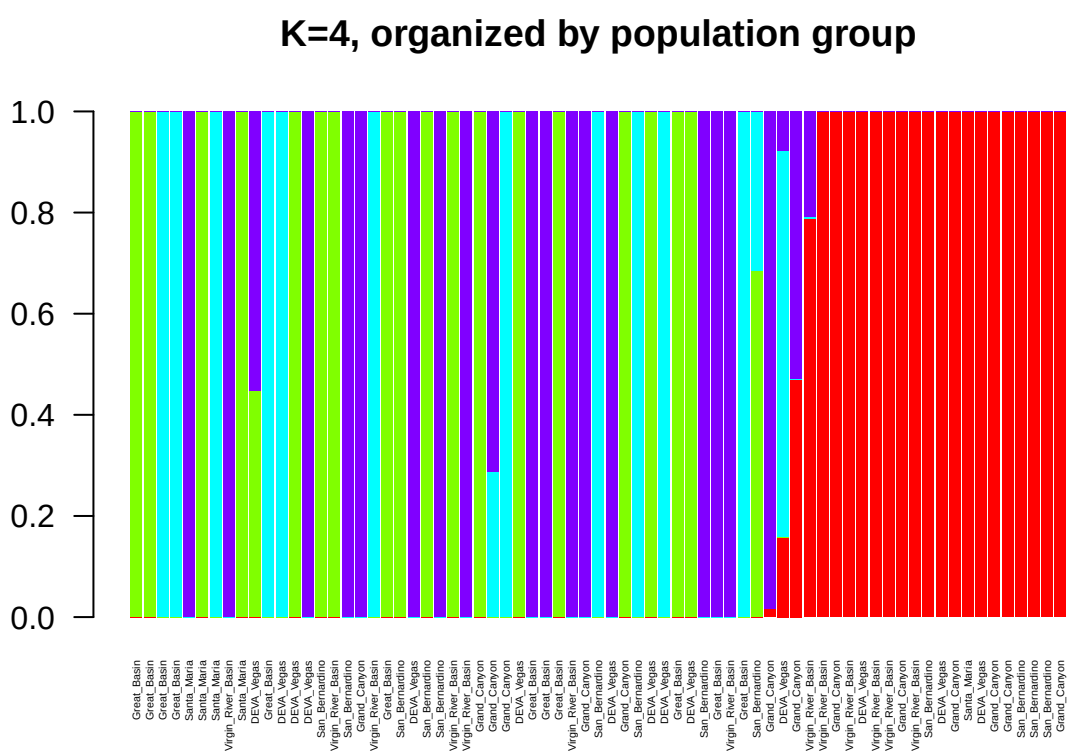


Plotting for K=4

```
tbl=read.table("~/Cirsium/admixture/cirsium_filtered_A/cirsium_A.4.Q")

popGroups = read.table("~/Cirsium/admixture/cirsium_filtered/taxa.txt", col.names=c("Ind", "Region"))

mergedAdmWithPopGroups = cbind(popGroups, tbl)

ordered_by_reg = mergedAdmWithPopGroups[order(mergedAdmWithPopGroups$Region),]

barplot(t(as.matrix(subset(ordered_by_reg, select=V1:V4))), col=rainbow(4), border=NA, names.arg=c(orde
```

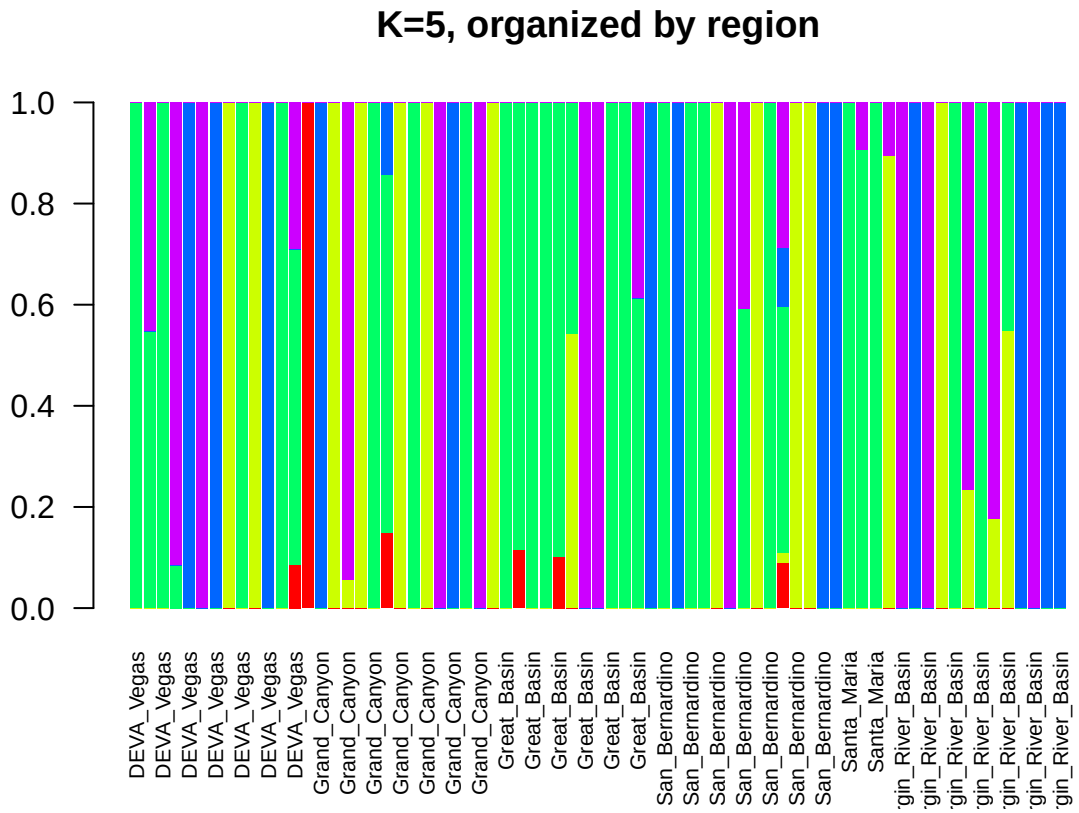



```
ordered_by_sim = mergedAdmWithPopGroups[order(mergedAdmWithPopGroups$V1),]

barplot(t(as.matrix(subset(ordered_by_sim, select=V1:V4))), col=rainbow(4), border=NA, names.arg=c(orde
```

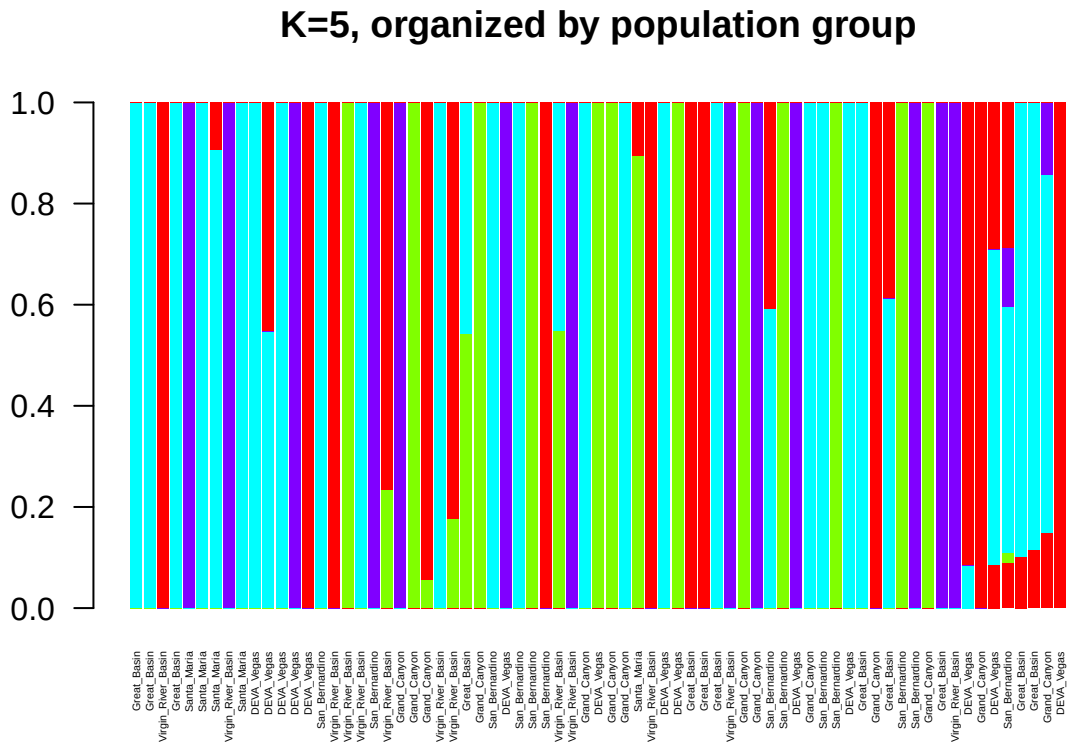


Plotting for K=5

```
tbl=read.table("~/Cirsium/admixture/cirsium_filtered_A/cirsium_A.5.Q")

popGroups = read.table("~/Cirsium/admixture/cirsium_filtered/taxa.txt", col.names=c("Ind", "Region"))

mergedAdmWithPopGroups = cbind(popGroups, tbl)

ordered_by_reg = mergedAdmWithPopGroups[order(mergedAdmWithPopGroups$Region),]

barplot(t(as.matrix(subset(ordered_by_reg, select=V1:V5))), col=rainbow(5), border=NA, names.arg=c(orde
```




```
ordered_by_sim = mergedAdmWithPopGroups[order(mergedAdmWithPopGroups$V1),]

barplot(t(as.matrix(subset(ordered_by_sim, select=V1:V5))), col=rainbow(4), border=NA, names.arg=c(orde
```


K=5, organized by population group
1.0
0.8
0.6
0.4
0.2
0.0
Great_Basin
Great_Basin
Virgin_River_Basin
Great_Basin
Santa_Maria
Santa_Maria
Santa_Maria
Virgin_River_Basin
Santa_Maria
DEVA_Vegas
DEVA_Vegas
DEVA_Vegas
DEVA_Vegas
San_Bernardino
Virgin_River_Basin
Virgin_River_Basin
Virgin_River_Basin
San_Bernardino
Virgin_River_Basin
Grand_Canyon
Grand_Canyon
Grand_Canyon
Virgin_River_Basin
Virgin_River_Basin
Great_Basin
Grand_Canyon
San_Bernardino
DEVA_Vegas
San_Bernardino
San_Bernardino
Virgin_River_Basin
Virgin_River_Basin
Grand_Canyon
DEVA_Vegas
Grand_Canyon
Grand_Canyon
Santa_Maria
Virgin_River_Basin
DEVA_Vegas
DEVA_Vegas
Great_Basin
Great_Basin
Virgin_River_Basin
Grand_Canyon
Grand_Canyon
San_Bernardino
DEVA_Vegas
Grand_Canyon
San_Bernardino
San_Bernardino
DEVA_Vegas
Great_Basin
Great_Basin
Grand_Canyon
San_Bernardino
San_Bernardino
Grand_Canyon
Great_Basin
Virgin_River_Basin
DEVA_Vegas
Grand_Canyon
DEVA_Vegas
San_Bernardino
Great_Basin
Grand_Canyon
DEVA_Vegas