testing stuff

emily!

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TO COMPILE THIS ON THE COMMAND LINE DO THIS:

```
Rscript -e "library(knitr); knit('knitr_test.RMD')"
```

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

This is a 1st level heading

2nd level

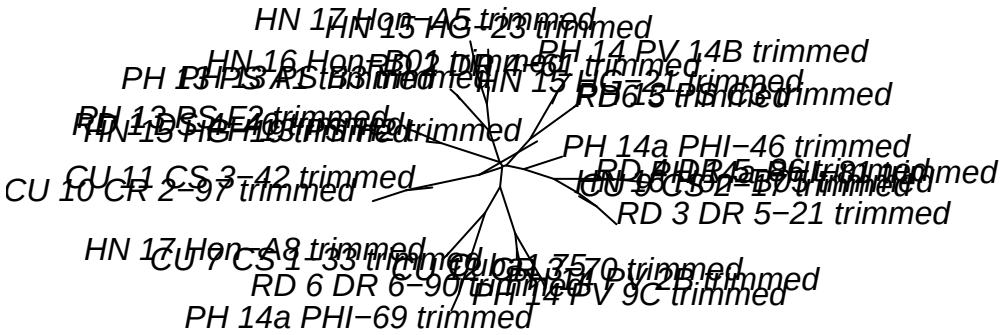
3rd

Lists

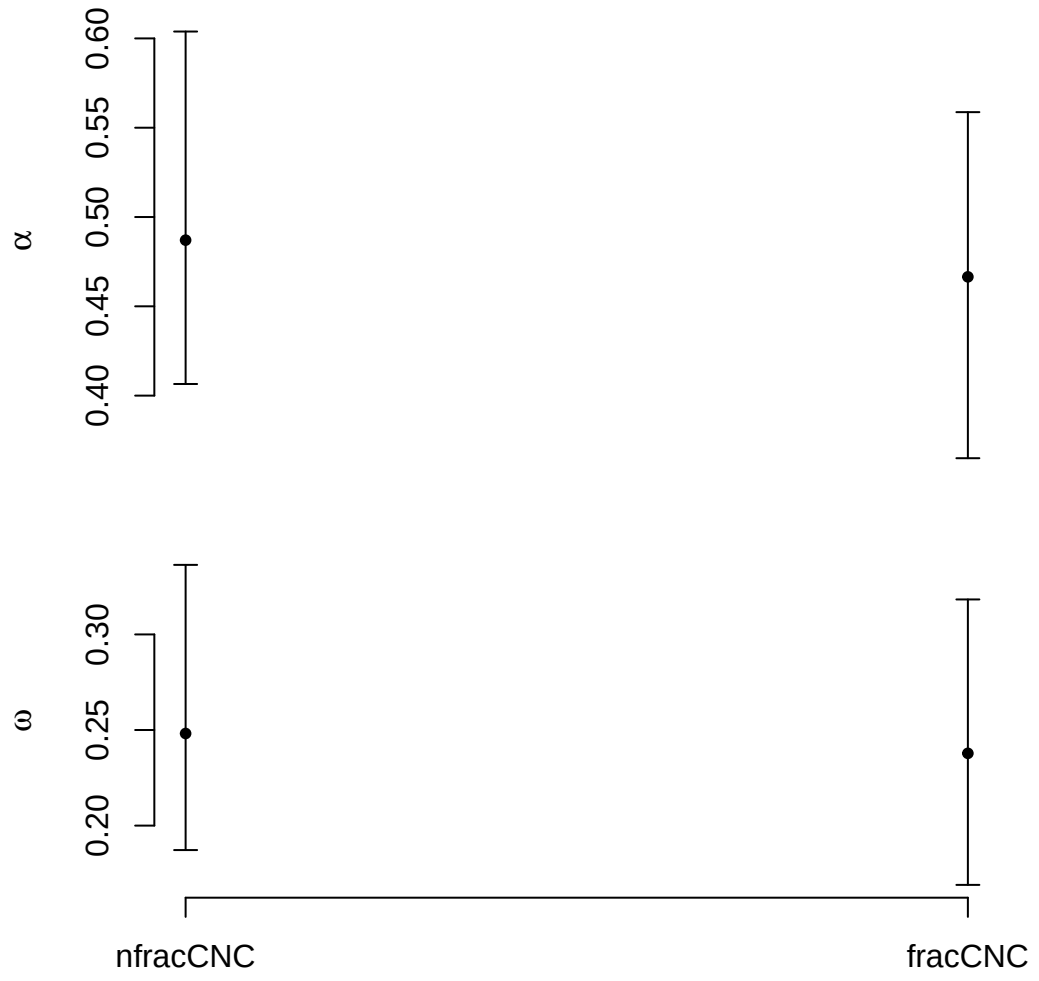
- one
- two
- three

> *Fear* is the mind **killer**.
>
> It is the little death that brings total obliteration.
>
> -Me

This is a tree!



This is some negative selection, yo.



This code would plot some positive selection too.

```
par(mfrow = c(1, 1), mar = c(5, 5, 0, 3))
bp = barplot(as.matrix(data[, c(9, 12, 15, 18)]), beside = T, names.arg = c("<1",
    "1-10", "10-100", "100+"), xlab = expression(paste(italic("N"["e"]), italic("s"),
    " category")), ylab = "Fraction of sites", col = colors, ylim = c(0, 1.1),
    space = c(0.2, 1.4), axes = F)

for (i in c(0:3)) {
    arrows(bp[, 1 + i], data[, 9 + i * 3], bp[, 1 + i], data[, 10 + i * 3],
        angle = 90, length = 0.05)
    arrows(bp[, 1 + i], data[, 9 + i * 3], bp[, 1 + i], data[, 8 + i * 3], angle = 90,
        length = 0.05)
}

legend("topright", legend = data$type, ncol = 2, bty = "n", fill = colors, cex = 1.25)
axis(2, at = seq(0, 1, 0.2), labels = seq(0, 1, 0.2), cex.axis = 1.25)
```

Using Python

–

```
x = [1,2,3,4]
print (x)
for i in x:
  print(i*i)
```

```
## [1, 2, 3, 4]
## 1
## 4
## 9
## 16
```