FigS9: Desert Length Distribution Boxplot for "Supplement"

July 21, 2017

Contents

1 Intro

A simple driver script to build above fig.

2 Preliminaries

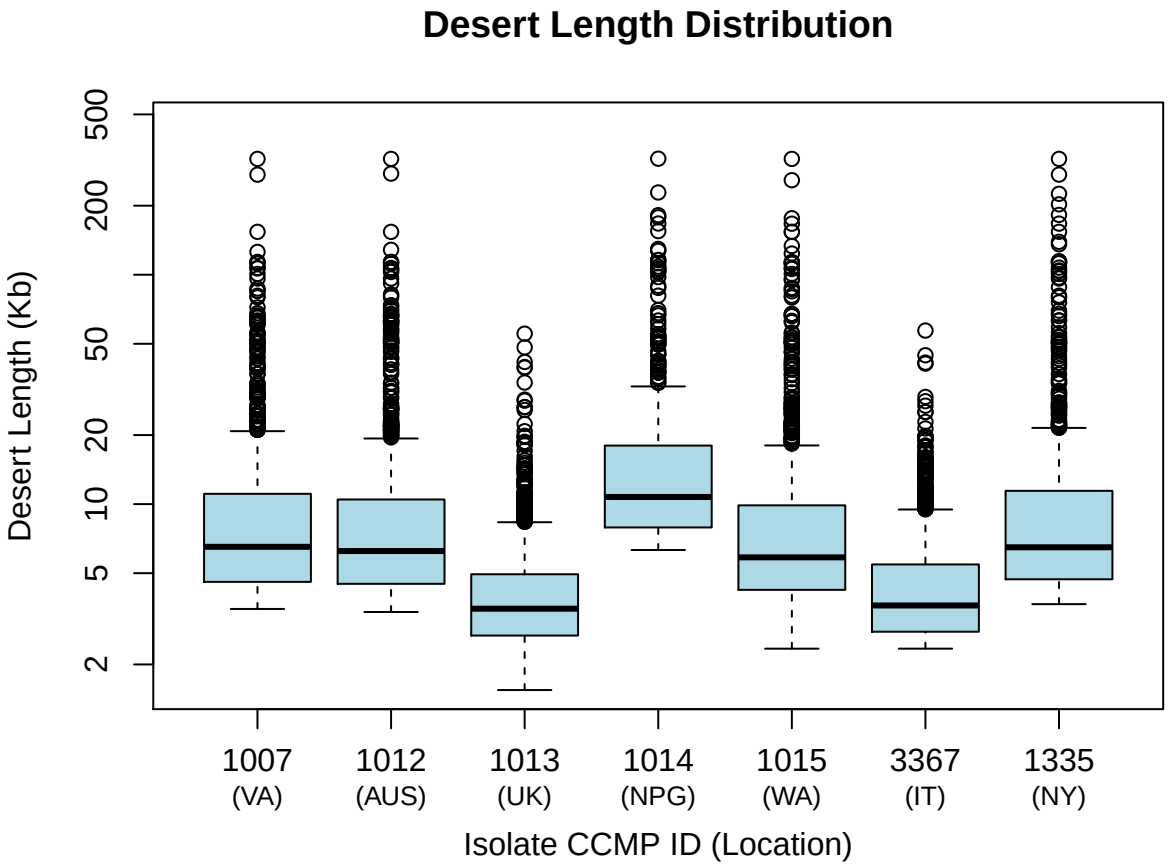
Load utility R code and do setup:

```
source('../../../R/wlr.R') # load util code; path relative this folder or sibling in scripts/larrys

## Running as: ruzzo @ recycle.cs.washington.edu; SVN Id, I miss you.  $Id: wlr.R  2017-07-21 or later $

setup.my.wd('paperfigs')    # set working dir; UPDATE if this file moves, or if COPY/PASTE to new file
setup.my.knitr('FigS9-desert-len-boxplot-knitr/') # knitr's "unnamed-chunk-nnn" figures
my.figs.dir <- 'FigS9-desert-len-boxplot-figs-mine/'  # my named figures
generic.setup(my.figs.dir)
```

```
# from svn+ssh://ceg1.ocean.washington.edu/var/svn/7_strains/trunk/code/snpNB/data
load('../../../data/des.rda') # defines "des"
des.df <- des.to.df(des)      # convert to data.frame
```

3 The Fig

```
pdf(paste(my.figs.dir, 'FigS9-desert-len-boxplot-fig.pdf', sep=''),width=6.5,height=5)
boxplot(des.df[[1]]$Length/1000,
        des.df[[2]]$Length/1000,
        des.df[[3]]$Length/1000,
        des.df[[4]]$Length/1000,
        des.df[[5]]$Length/1000,
        des.df[[6]]$Length/1000,
        des.df[[7]]$Length/1000,
        main='Desert Length Distribution',
        xlab='Isolate CCMP ID (Location)',
        ylab='Desert Length (Kb)',
        ylim=c(1.6,450),
        col='lightblue',
        log='y')
ccmp  <- substr(st.locs(1:7,loc=F),5,8)
where <- paste('(',st.locs(1:7,id=F,loc=F,locabbrv=T),')',sep='')
mtext(ccmp, side=1,at=1:7,line=0.8,cex=1.0)
mtext(where,side=1,at=1:7,line=1.7,cex=0.8)
dev.off()

# pdf
#   2
```



SVN ID I miss you. Id FigS9-desert-len-boxplot 2017-06-29 or later.