Untitled

2024-04-09

Install:

install.packages("remotes")  
remotes::install\_github("hemstrow/snpR")

load

library(snpR)

download

# download the metadata  
meta <- read.table(url("https://raw.githubusercontent.com/hemstrow/seg\_sites\_rarefaction/main/data/example\_metadata.txt"),   
 header = TRUE)  
  
# download the vcf  
download.file("https://raw.githubusercontent.com/hemstrow/seg\_sites\_rarefaction/main/data/example\_vcf.vcf",   
 destfile = "example\_vcf.vcf")

read in

monarchs <- read\_vcf("example\_vcf.vcf", sample.meta = meta)

types

summarize\_facets(monarchs, "pop")  
monarchs <- calc\_seg\_sites(monarchs, "pop", g = 0)  
get.snpR.stats(monarchs, "pop", "seg\_sites")$weighted.means  
  
monarchs <- calc\_seg\_sites(monarchs, "pop", g = -1)  
get.snpR.stats(monarchs, "pop", "seg\_sites")$weighted.means  
  
monarchs <- calc\_seg\_sites(monarchs, "pop", g = 10)  
get.snpR.stats(monarchs, "pop", "seg\_sites")$weighted.means  
  
monarchs <- calc\_seg\_sites(monarchs, "pop", g = 0)  
head(get.snpR.stats(monarchs, "pop", "seg\_sites")$single, 10)