Architecture\_analysis

Marc LABADIE

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# Requierements

## Packages install

install.packages("plyr")  
install.packages("ggplot2")  
install.packages("gtable")  
install.packages("grid")  
install.packages("cowplot")  
install.packages("reshape2")  
install.packages("scales")  
install.packages("knitr")  
install.packages("tinytex")  
install.packages("dplyr")  
install.packages("lmtest")  
install.packages("agricolae")  
install.packages("PMCMR")  
install.packages("gtools")  
install.packages("RVAideMemoire")  
#install.packages("RCurl")

## Packages loading

library(plyr)  
library(ggplot2)  
library(gtable)  
library(grid)  
library(cowplot)  
library(reshape2)  
library(scales)  
library(knitr)  
library(tinytex)  
library(dplyr)  
#library(RCurl)  
library(rmarkdown)  
library(lmtest)  
library(agricolae)  
library(PMCMR)  
library(gtools)  
library(RVAideMemoire)

## Functions importing

source(file = "c:/Users/mlabadie/Documents/GitHub/strawberry/Rscript/Functions.R")

# Import and transformation of dataset

## Import dataset

**INDEX\_PARAMETER :** TIME # vertex\_id

**15 VARIABLES:**

* VARIABLE 1 : INT # nb\_visible\_leaves. No. elongated leaves (F)
* VARIABLE 2 : INT # nb\_foliar\_primordia No. primordia (f)
* VARIABLE 3 : INT # nb\_total\_leaves. Total no. leaves (F+f)
* VARIABLE 4 : INT # nb\_open\_flowers. No. open flowers
* VARIABLE 5 : INT # nb\_aborted\_flowers No. aborted flowers
* VARIABLE 6 : INT # nb\_total\_flowers Total no. flowers
* VARIABLE 7 : INT # vegetative\_bud. No. vegetative buds (axillary vegetative bud)
* VARIABLE 8 : INT # Initiated\_bud. No. initiated bud (axillary initiated bud)
* VARIABLE 9 : INT # floral\_bud. No. floral buds (axillary floral bud)
* VARIABLE 10 : INT # stolons No. stolons
* VARIABLE 11 : INT # type\_of\_crown. Type of crown (1: primary crown, 2: extention crowns, 3: branch crown)
* VARIABLE 12 : INT # Crown\_status (1: Terminal Vegetative bud (bt, stage 17, 18, 19, None), 2:Terminal bud initiated (bt, stage A), 3: Terminal floral bud(ht), 4: Inflorescence(HT), -1: rotten or aborded)
* VARIABLE 13 : INT # genotype (1: Gariguette, 2: Ciflorette, 3: Clery, 4: Capriss, 5:Darselect, 6: Cir107)
* VARIABLE 14 : INT # date (1: mid December, 2: early Junuary, 3: mid February, 4: early March, 5: early April, 6: end May/early June)
* VARIABLE 15 : INT # plant. plant index

DataSet <- read.csv(file = "c:/Users/mlabadie/Documents/GitHub/strawberry/Rscript/Dataset.csv",   
 sep=";",  
 na.strings = "-1")  
  
colstart<-1  
colend<-dim(DataSet)[2]-2  
  
data<-DataSet[,c(colstart:colend)]

## Dataset Class Object

str(object = data)

## 'data.frame': 1796 obs. of 16 variables:  
## $ Index : Factor w/ 17 levels "0","0-1","0-1-2",..: 1 1 1 1 1 1 1 1 1 1 ...  
## $ nb\_visible\_leaves : int 8 8 11 8 6 7 7 6 7 11 ...  
## $ nb\_foliar\_primordia: int 4 4 3 3 4 4 4 3 3 8 ...  
## $ nb\_total\_leaves : int 12 12 14 11 10 11 11 9 10 19 ...  
## $ nb\_open\_flowers : int 0 0 0 0 0 0 0 0 0 0 ...  
## $ nb\_aborted\_flowers : int 0 0 0 0 0 0 0 0 0 0 ...  
## $ nb\_total\_flowers : int 0 0 0 0 0 0 0 0 0 0 ...  
## $ vegetative\_bud : int 1 4 3 6 5 3 7 1 4 3 ...  
## $ Initiated\_bud : int 3 3 1 0 2 2 1 3 0 2 ...  
## $ floral\_bud : int 7 4 8 5 2 5 2 4 5 10 ...  
## $ stolons : int 1 1 2 0 1 1 1 1 1 1 ...  
## $ type\_of\_crown : int 1 1 1 1 1 1 1 1 1 1 ...  
## $ Crown\_status : int 3 3 3 3 3 3 3 3 3 3 ...  
## $ genotype : int 1 1 1 1 1 1 1 1 1 1 ...  
## $ date : int 1 1 1 1 1 1 1 1 1 2 ...  
## $ plant : int 1 2 3 4 5 6 7 8 9 1 ...

## Transformation of Class object

data$genotype<- as.factor(data$genotype)  
data$date<- as.factor(DataSet$date)  
data$Crown\_status<- as.factor(DataSet$Crown\_status)  
data$type\_of\_crown<- as.factor(DataSet$type\_of\_crown)

## Conversion of dataset

# Convert numerical categorical ordered value in factor values with their properties   
  
data$genotype<- factor(x = data$genotype,  
 levels = levels(x = data$genotype),  
 labels = c("Gariguette","Ciflorette","Clery","Capriss","Darselect","Cir107")  
 )  
  
data$date<- factor(x = data$date,  
 levels = levels(x = data$date),  
 labels = c("Mid-December","Early-Junuary","Mid-February","Early-March","Early-April","Early-June")  
 )  
  
data$type\_of\_crown<- factor(x = DataSet$type\_of\_crown,  
 levels = levels(x = data$type\_of\_crown),  
 labels = c("Primary\_Crown","Extention\_Crown","Branch\_Crown")  
 )  
data$Crown\_status<- factor(x = data$Crown\_status,  
 levels = levels(x = data$Crown\_status),  
 labels = c("Terminal\_Vegetative\_bud","Terminal\_initiated\_bud","Terminal\_Floral\_bud","Terminal\_Inflorescence"))

#convert index sequence analysis in index for R analysis  
dat<-data[2:colend]  
for (i in 1:nrow(data)){   
 if (data[i,'Index']=="0"){   
 dat[i,"Index"]<- 0  
 }else if (data[i,'Index']=="0-1"){  
 dat[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2"){  
 dat[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3"){  
 dat[i,"Index"]<- 3  
 }else if (data[i,'Index']=="0-1-2-3-4"){  
 dat[i,"Index"]<- 4  
 }else if (data[i,'Index']=="0-1-2-3-4-5"){  
 dat[i,"Index"]<- 5  
 }else if (data[i,'Index']=="1"){  
 dat[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2"){  
 dat[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3"){  
 dat[i,"Index"]<- 3  
 }else if (data[i,'Index']=="1-2-3-4"){  
 dat[i,"Index"]<- 4  
 }else if (data[i,'Index']=="1-2-3-4-5"){  
 dat[i,"Index"]<- 5  
 }else if (data[i,'Index']=="2"){  
 dat[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2-3"){  
 dat[i,"Index"]<- 3  
 }else if (data[i,'Index']=="2-3-4"){  
 dat[i,"Index"]<- 4  
 }else if (data[i,'Index']=="3"){  
 dat[i,"Index"]<- 3  
 }else if (data[i,'Index']=="3-4"){  
 dat[i,"Index"]<- 4  
 }else if (data[i,'Index']=="4"){  
 dat[i,"Index"]<- 4  
 }  
}  
  
dat$Index<-as.factor(x = dat$Index)  
  
#Remplacer les valeurs 0 dans la colone total flowers par NA  
dat$nb\_total\_flowers[dat$nb\_total\_flowers==0]<-NA  
  
  
kable(x = dat,digits = 2,caption = "Data extract from MTG")

Data extract from MTG

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| nb\_visible\_leaves | nb\_foliar\_primordia | nb\_total\_leaves | nb\_open\_flowers | nb\_aborted\_flowers | nb\_total\_flowers | vegetative\_bud | Initiated\_bud | floral\_bud | stolons | type\_of\_crown | Crown\_status | genotype | date | plant | Index |
| 8 | 4 | 12 | 0 | 0 | NA | 1 | 3 | 7 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 1 | 0 |
| 8 | 4 | 12 | 0 | 0 | NA | 4 | 3 | 4 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 2 | 0 |
| 11 | 3 | 14 | 0 | 0 | NA | 3 | 1 | 8 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 3 | 0 |
| 8 | 3 | 11 | 0 | 0 | NA | 6 | 0 | 5 | 0 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 4 | 0 |
| 6 | 4 | 10 | 0 | 0 | NA | 5 | 2 | 2 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 5 | 0 |
| 7 | 4 | 11 | 0 | 0 | NA | 3 | 2 | 5 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 6 | 0 |
| 7 | 4 | 11 | 0 | 0 | NA | 7 | 1 | 2 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 7 | 0 |
| 6 | 3 | 9 | 0 | 0 | NA | 1 | 3 | 4 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 8 | 0 |
| 7 | 3 | 10 | 0 | 0 | NA | 4 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-December | 9 | 0 |
| 11 | 8 | 19 | 0 | 0 | NA | 3 | 2 | 10 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 1 | 0 |
| 2 | 3 | 5 | 0 | 0 | NA | 5 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 1 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 3 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 1 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 3 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 1 | 1 |
| 11 | 4 | 15 | 0 | 0 | 14 | 2 | 2 | 9 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 2 | 0 |
| 7 | 0 | 7 | 0 | 0 | NA | 1 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-Junuary | 3 | 0 |
| 5 | 1 | 6 | 0 | 0 | NA | 2 | 0 | 4 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 3 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 3 | 1 |
| 2 | 4 | 6 | 0 | 0 | NA | 5 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 3 | 1 |
| 11 | 0 | 11 | 0 | 0 | 22 | 0 | 0 | 10 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-Junuary | 4 | 0 |
| 3 | 3 | 6 | 0 | 0 | NA | 5 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-Junuary | 4 | 1 |
| 13 | 0 | 13 | 0 | 0 | 20 | 0 | 0 | 9 | 3 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-Junuary | 5 | 0 |
| 11 | 0 | 11 | 0 | 0 | 18 | 1 | 0 | 9 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-Junuary | 6 | 0 |
| 12 | 0 | 12 | 0 | 0 | 17 | 0 | 0 | 12 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-Junuary | 7 | 0 |
| 11 | 0 | 11 | 0 | 0 | 19 | 1 | 0 | 9 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-Junuary | 8 | 0 |
| 9 | 0 | 9 | 0 | 0 | 24 | 0 | 1 | 7 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-Junuary | 9 | 0 |
| 14 | 0 | 14 | 2 | 0 | 19 | 0 | 0 | 8 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 1 | 0 |
| 3 | 0 | 3 | 0 | 0 | 11 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 1 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-February | 1 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 2 | 0 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 1 | 1 |
| 5 | 0 | 5 | 0 | 0 | 11 | 1 | 0 | 4 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 1 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 1 | 1 |
| 11 | 0 | 11 | 0 | 0 | 22 | 1 | 0 | 7 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 2 | 0 |
| 3 | 0 | 3 | 0 | 0 | 8 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 2 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-February | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 2 | 1 |
| 9 | 0 | 9 | 3 | 0 | 22 | 0 | 0 | 6 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 3 | 0 |
| 3 | 0 | 3 | 0 | 0 | 11 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 3 | 1 |
| 3 | 0 | 3 | 0 | 0 | 9 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 3 | 1 |
| 8 | 0 | 8 | 0 | 0 | 24 | 0 | 0 | 7 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 4 | 0 |
| 2 | 0 | 2 | 0 | 0 | 8 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 4 | 1 |
| 13 | 0 | 13 | 2 | 0 | 19 | 0 | 0 | 9 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 5 | 0 |
| 3 | 0 | 3 | 0 | 0 | 7 | 0 | 2 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 5 | 1 |
| 4 | 2 | 6 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-February | 5 | 1 |
| 5 | 0 | 5 | 0 | 0 | 7 | 2 | 1 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 5 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Mid-February | 5 | 1 |
| 14 | 0 | 14 | 4 | 0 | 17 | 0 | 0 | 9 | 2 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 6 | 0 |
| 3 | 0 | 3 | 0 | 0 | 12 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 1 | 0 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 6 | 1 |
| 3 | 0 | 3 | 0 | 0 | 14 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 6 | 1 |
| 8 | 0 | 8 | 0 | 0 | 15 | 0 | 0 | 7 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 7 | 0 |
| 2 | 0 | 2 | 0 | 0 | 6 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 7 | 1 |
| 11 | 0 | 11 | 0 | 0 | 18 | 0 | 0 | 8 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 8 | 0 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 8 | 1 |
| 9 | 0 | 9 | 1 | 0 | 18 | 0 | 0 | 7 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 9 | 0 |
| 3 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 9 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Mid-February | 9 | 1 |
| 9 | 0 | 9 | 12 | 0 | 17 | 0 | 0 | 6 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 1 | 0 |
| 3 | 0 | 3 | 2 | 0 | 6 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 1 | 1 |
| 10 | 0 | 10 | 15 | 0 | 17 | 1 | 1 | 3 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 2 | 0 |
| 2 | 0 | 2 | 3 | 0 | 7 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 2 | 1 |
| 2 | 0 | 2 | 0 | 0 | 7 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 2 | 2 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 2 | 1 |
| 10 | 0 | 10 | 17 | 0 | 19 | 0 | 0 | 8 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 3 | 0 |
| 3 | 0 | 3 | 4 | 0 | 8 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 3 | 1 |
| 2 | 0 | 2 | 0 | 0 | 7 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 3 | 2 |
| 2 | 0 | 2 | 2 | 0 | 8 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 3 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-March | 3 | 2 |
| 12 | 0 | 12 | 15 | 0 | 15 | 3 | 0 | 7 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 4 | 0 |
| 2 | 0 | 2 | 4 | 0 | 6 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 4 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-March | 4 | 2 |
| 2 | 0 | 2 | 4 | 0 | 6 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 4 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-March | 4 | 2 |
| 10 | 0 | 10 | 16 | 0 | 21 | 0 | 0 | 6 | 2 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 5 | 0 |
| 2 | 0 | 2 | 7 | 0 | 10 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 5 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-March | 5 | 2 |
| 3 | 0 | 3 | 3 | 0 | 8 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 5 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 3 | 2 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-March | 5 | 2 |
| 11 | 0 | 11 | 18 | 0 | 22 | 1 | 1 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 6 | 0 |
| 3 | 0 | 3 | 3 | 0 | 8 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 6 | 1 |
| 4 | 0 | 4 | 1 | 0 | 6 | 1 | 1 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 6 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 7 | 0 |
| 5 | 0 | 5 | 20 | 0 | 23 | 0 | 1 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 7 | 1 |
| 3 | 0 | 3 | 2 | 0 | 8 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 7 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-March | 7 | 3 |
| 11 | 0 | 11 | 18 | 0 | 25 | 0 | 0 | 7 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 8 | 0 |
| 2 | 0 | 2 | 6 | 0 | 12 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 8 | 2 |
| 12 | 0 | 12 | 13 | 0 | 14 | 0 | 0 | 9 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 9 | 0 |
| 2 | 0 | 2 | 5 | 0 | 6 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 9 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-March | 9 | 2 |
| 4 | 0 | 4 | 3 | 0 | 5 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 9 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-March | 9 | 2 |
| 3 | 0 | 3 | 0 | 0 | 11 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-March | 9 | 1 |
| 11 | 0 | 11 | 24 | 0 | 24 | 0 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 0 |
| 3 | 0 | 3 | 9 | 0 | 9 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 1 |
| 3 | 0 | 3 | 2 | 0 | 9 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 2 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 1 | 1 |
| 5 | 0 | 5 | 9 | 0 | 9 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 1 |
| 2 | 2 | 4 | 0 | 0 | 5 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 1 | 2 |
| 4 | 0 | 4 | 9 | 0 | 9 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 1 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 2 |
| 3 | 0 | 3 | 8 | 0 | 8 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 3 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 1 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 1 | 2 |
| 9 | 0 | 9 | 21 | 0 | 21 | 0 | 0 | 7 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 2 | 0 |
| 2 | 0 | 2 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 2 | 1 |
| 3 | 0 | 3 | 3 | 0 | 9 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 2 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 2 | 3 |
| 3 | 0 | 3 | 6 | 0 | 6 | 0 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | 8 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 2 | 2 |
| 9 | 0 | 9 | 16 | 0 | 17 | 1 | 0 | 5 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 3 | 0 |
| 2 | 0 | 2 | 10 | 0 | 10 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 3 | 1 |
| 3 | 0 | 3 | 6 | 0 | 7 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 3 | 1 |
| 10 | 0 | 10 | 18 | 0 | 18 | 0 | 0 | 6 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 4 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | 10 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 4 | 2 |
| 2 | 0 | 2 | 7 | 0 | 7 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 4 | 1 |
| 4 | 5 | 9 | 0 | 0 | NA | 1 | 0 | 0 | 5 | Extention\_Crown | Terminal\_initiated\_bud | Gariguette | Early-April | 4 | 2 |
| 4 | 5 | 9 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Vegetative\_bud | Gariguette | Early-April | 4 | 2 |
| 3 | 0 | 3 | 6 | 0 | 6 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 4 | 1 |
| 4 | 0 | 4 | 0 | 0 | 9 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 4 | 2 |
| 8 | 0 | 8 | 20 | 0 | 20 | 0 | 1 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 5 | 0 |
| 2 | 0 | 2 | 10 | 0 | 10 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 5 | 1 |
| 3 | 0 | 3 | 2 | 0 | 5 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 5 | 2 |
| 2 | 0 | 2 | 8 | 0 | 8 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 5 | 1 |
| 10 | 0 | 10 | 21 | 0 | 21 | 0 | 2 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 6 | 0 |
| 2 | 0 | 2 | 7 | 0 | 7 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 6 | 1 |
| 3 | 0 | 3 | 1 | 0 | 7 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 6 | 2 |
| 2 | 0 | 2 | 8 | 0 | 8 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 6 | 1 |
| 2 | 0 | 2 | 1 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 6 | 2 |
| 2 | 3 | 5 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 6 | 2 |
| 11 | 0 | 11 | 23 | 0 | 23 | 0 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 7 | 0 |
| 3 | 0 | 3 | 9 | 0 | 10 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 7 | 1 |
| 2 | 0 | 2 | 1 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 7 | 2 |
| 4 | 0 | 4 | 2 | 0 | 4 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 7 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 7 | 2 |
| 3 | 0 | 3 | 0 | 0 | 8 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 7 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 7 | 2 |
| 8 | 0 | 8 | 0 | 0 | NA | 0 | 0 | 2 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 0 |
| 5 | 0 | 5 | 23 | 0 | 23 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 1 |
| 2 | 0 | 2 | 10 | 0 | 11 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 8 | 3 |
| 4 | 0 | 4 | 8 | 0 | 8 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 2 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 8 | 2 |
| 7 | 0 | 7 | 8 | 0 | 8 | 3 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 1 |
| 3 | 4 | 7 | 0 | 0 | NA | 4 | 3 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 8 | 2 |
| 3 | 3 | 6 | 0 | 0 | NA | 5 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 8 | 2 |
| 6 | 0 | 6 | 8 | 0 | 8 | 2 | 2 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | 7 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 8 | 2 |
| 5 | 1 | 6 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 1 |
| 3 | 0 | 3 | 6 | 0 | 8 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 8 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 8 | 3 |
| 11 | 0 | 11 | 18 | 0 | 18 | 1 | 0 | 4 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 9 | 0 |
| 2 | 0 | 2 | 7 | 0 | 7 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 9 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 9 | 2 |
| 2 | 0 | 2 | 6 | 0 | 6 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-April | 9 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-April | 9 | 2 |
| 10 | 0 | 10 | 13 | 0 | 14 | 1 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 0 |
| 2 | 0 | 2 | 8 | 0 | 9 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 1 |
| 3 | 0 | 3 | 5 | 0 | 8 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 3 |
| 3 | 0 | 3 | 0 | 0 | 3 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 4 |
| 1 | 2 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Gariguette | Early-June | 1 | 1 |
| 3 | 0 | 3 | 7 | 0 | 7 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 1 |
| 2 | 0 | 2 | 7 | 0 | 7 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 3 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 1 | 4 |
| 11 | 0 | 11 | 20 | 0 | 23 | 0 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 2 | 0 |
| 3 | 0 | 3 | 0 | 0 | 9 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 2 | 1 |
| 3 | 0 | 3 | 2 | 0 | 5 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 2 | 2 |
| 1 | 3 | 4 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Gariguette | Early-June | 2 | 3 |
| 4 | 0 | 4 | 6 | 0 | 10 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 2 | 2 |
| 6 | 0 | 6 | 7 | 0 | 9 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 2 | 1 |
| 2 | 0 | 2 | 4 | 0 | 7 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 2 | 2 |
| 2 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 2 | 2 |
| 8 | 0 | 8 | 17 | 0 | 18 | 0 | 0 | 6 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 3 | 0 |
| 2 | 0 | 2 | 6 | 0 | 8 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 3 | 1 |
| 4 | 0 | 4 | 14 | 0 | 14 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 3 | 2 |
| 2 | 0 | 2 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 3 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 3 | 2 |
| 1 | 1 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 3 | 3 |
| 1 | 5 | 6 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Vegetative\_bud | Gariguette | Early-June | 3 | 2 |
| 4 | 0 | 4 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 3 | 2 |
| 9 | 0 | 9 | 19 | 0 | 21 | 0 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 4 | 0 |
| 2 | 0 | 2 | 6 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 4 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 4 | 3 |
| 8 | 0 | 8 | 9 | 0 | 11 | 0 | 1 | 4 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 0 |
| 3 | 0 | 3 | 7 | 0 | 8 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 1 |
| 3 | 0 | 3 | 8 | 0 | 8 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 2 |
| 3 | 0 | 3 | 6 | 0 | 7 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 3 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 4 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 1 |
| 3 | 0 | 3 | 6 | 0 | 6 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 2 |
| 2 | 0 | 2 | 7 | 0 | 7 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 3 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 5 | 4 |
| 9 | 0 | 9 | 10 | 0 | 10 | 0 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 0 |
| 3 | 0 | 3 | 9 | 0 | 9 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 1 |
| 3 | 0 | 3 | 3 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 2 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 3 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 4 |
| 2 | 0 | 2 | 11 | 0 | 11 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 1 |
| 3 | 0 | 3 | 7 | 0 | 8 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 2 |
| 3 | 0 | 3 | 9 | 0 | 10 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 3 |
| 3 | 0 | 3 | 6 | 0 | 7 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 4 |
| 3 | 0 | 3 | 4 | 0 | 7 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 5 |
| 6 | 0 | 6 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 2 |
| 2 | 0 | 2 | 5 | 0 | 5 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 6 | 3 |
| 8 | 0 | 8 | 13 | 0 | 13 | 0 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 7 | 0 |
| 2 | 0 | 2 | 8 | 0 | 9 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 7 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 2 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 7 | 2 |
| 3 | 0 | 3 | 4 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 7 | 3 |
| 3 | 0 | 3 | 0 | 0 | 5 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 7 | 4 |
| 3 | 0 | 3 | 5 | 0 | 5 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 7 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 7 | 2 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 7 | 3 |
| 9 | 0 | 9 | 23 | 0 | 23 | 1 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 8 | 0 |
| 3 | 0 | 3 | 6 | 0 | 7 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 8 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 8 | 3 |
| 2 | 0 | 2 | 10 | 0 | 10 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 8 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 2 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 8 | 2 |
| 11 | 0 | 11 | 14 | 0 | 14 | 0 | 0 | 6 | 1 | Primary\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 0 |
| 2 | 0 | 2 | 7 | 0 | 7 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 1 |
| 6 | 0 | 6 | 10 | 0 | 10 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 2 |
| 3 | 0 | 3 | 5 | 0 | 5 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 3 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 4 |
| 1 | 0 | 1 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 1 |
| 2 | 0 | 2 | 10 | 0 | 10 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 1 |
| 5 | 0 | 5 | 6 | 0 | 6 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 2 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 1 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 3 |
| 2 | 0 | 2 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 4 |
| 3 | 0 | 3 | 2 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 3 |
| 3 | 0 | 3 | 2 | 0 | 4 | 2 | 0 | 0 | 1 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 2 |
| 3 | 0 | 3 | 1 | 0 | 8 | 1 | 0 | 0 | 1 | Branch\_Crown | Terminal\_Inflorescence | Gariguette | Early-June | 9 | 3 |
| 5 | 0 | 5 | 0 | 0 | 7 | 1 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-December | 1 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 1 | 1 |
| 5 | 0 | 5 | 0 | 0 | 9 | 2 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-December | 2 | 0 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 2 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-December | 3 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 3 | 1 |
| 7 | 3 | 10 | 0 | 0 | NA | 6 | 0 | 3 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 4 | 0 |
| 4 | 0 | 4 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-December | 5 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 5 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-December | 6 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 6 | 1 |
| 5 | 5 | 10 | 0 | 0 | NA | 4 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 7 | 0 |
| 6 | 2 | 8 | 0 | 0 | NA | 5 | 0 | 1 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 8 | 0 |
| 8 | 0 | 8 | 0 | 0 | NA | 2 | 0 | 1 | 3 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-December | 9 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-December | 9 | 1 |
| 9 | 1 | 10 | 0 | 0 | NA | 1 | 3 | 4 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 1 | 0 |
| 7 | 0 | 7 | 3 | 0 | 10 | 2 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-Junuary | 2 | 0 |
| 3 | 1 | 4 | 0 | 0 | NA | 1 | 2 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 2 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 2 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 2 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 1 | 2 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-Junuary | 3 | 0 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 3 | 1 |
| 4 | 0 | 4 | 0 | 0 | 2 | 1 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-Junuary | 4 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 4 | 1 |
| 5 | 0 | 5 | 1 | 0 | 7 | 0 | 0 | 1 | 3 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-Junuary | 5 | 0 |
| 3 | 1 | 4 | 0 | 0 | NA | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 5 | 1 |
| 8 | 1 | 9 | 0 | 0 | NA | 3 | 1 | 3 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 6 | 0 |
| 9 | 2 | 11 | 0 | 0 | NA | 5 | 1 | 4 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 7 | 0 |
| 5 | 0 | 5 | 6 | 0 | 13 | 0 | 0 | 1 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-Junuary | 8 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 8 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 8 | 1 |
| 5 | 0 | 5 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-Junuary | 9 | 0 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 9 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-Junuary | 9 | 1 |
| 4 | 0 | 4 | 6 | 0 | 10 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 1 | 0 |
| 5 | 0 | 5 | 0 | 0 | 11 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 1 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-February | 1 | 2 |
| 4 | 0 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 1 | 1 |
| 9 | 0 | 9 | 0 | 0 | 19 | 0 | 2 | 3 | 3 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 2 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 2 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 0 | 0 | 0 | 3 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 3 | 0 |
| 5 | 0 | 5 | 0 | 0 | 16 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 3 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-February | 3 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Mid-February | 3 | 1 |
| 2 | 4 | 6 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Mid-February | 3 | 2 |
| 5 | 0 | 5 | 4 | 0 | 6 | 0 | 0 | 1 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 4 | 0 |
| 4 | 0 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Mid-February | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Mid-February | 4 | 1 |
| 9 | 0 | 9 | 0 | 0 | 20 | 1 | 2 | 4 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 5 | 0 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 5 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 5 | 1 |
| 8 | 0 | 8 | 0 | 0 | 11 | 3 | 1 | 1 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 6 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-February | 6 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 6 | 1 |
| 2 | 0 | 2 | 9 | 0 | 15 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 7 | 0 |
| 4 | 0 | 4 | 0 | 0 | 11 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 7 | 1 |
| 5 | 0 | 5 | 2 | 0 | 6 | 0 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 8 | 0 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 8 | 1 |
| 8 | 0 | 8 | 0 | 0 | 15 | 1 | 0 | 4 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 9 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Mid-February | 9 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Mid-February | 9 | 1 |
| 7 | 0 | 7 | 4 | 0 | 10 | 3 | 1 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 1 | 0 |
| 2 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 1 | 1 |
| 4 | 0 | 4 | 4 | 0 | 8 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 1 | 1 |
| 2 | 0 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 1 | 2 |
| 2 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 1 | 1 |
| 4 | 0 | 4 | 8 | 0 | 8 | 1 | 0 | 1 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 2 | 0 |
| 4 | 0 | 4 | 0 | 0 | 12 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 2 | 1 |
| 2 | 0 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 2 | 2 |
| 5 | 0 | 5 | 8 | 0 | 8 | 0 | 0 | 1 | 2 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 3 | 0 |
| 3 | 0 | 3 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 3 | 1 |
| 2 | 0 | 2 | 1 | 0 | 5 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 3 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-March | 3 | 3 |
| 4 | 0 | 4 | 0 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 3 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-March | 3 | 2 |
| 4 | 0 | 4 | 9 | 0 | 9 | 0 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 4 | 0 |
| 4 | 0 | 4 | 4 | 0 | 11 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 4 | 1 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 4 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 5 | 0 |
| 3 | 0 | 3 | 6 | 0 | 11 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 5 | 1 |
| 3 | 0 | 3 | 1 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 5 | 2 |
| 2 | 0 | 2 | 2 | 0 | 6 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 5 | 1 |
| 4 | 0 | 4 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 5 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-March | 5 | 3 |
| 3 | 0 | 3 | 3 | 0 | 3 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 6 | 0 |
| 4 | 0 | 4 | 4 | 0 | 9 | 1 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 6 | 1 |
| 3 | 0 | 3 | 0 | 0 | 8 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 6 | 2 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-March | 6 | 3 |
| 4 | 0 | 4 | 12 | 0 | 18 | 1 | 1 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 7 | 0 |
| 4 | 0 | 4 | 0 | 0 | NA | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-March | 7 | 1 |
| 11 | 0 | 11 | 4 | 0 | 13 | 1 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 8 | 0 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 8 | 1 |
| 4 | 0 | 4 | 4 | 0 | 6 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 8 | 1 |
| 2 | 0 | 2 | 1 | 0 | 4 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 8 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-March | 8 | 3 |
| 4 | 0 | 4 | 0 | 0 | 7 | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 8 | 1 |
| 5 | 0 | 5 | 16 | 0 | 17 | 1 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 9 | 0 |
| 3 | 0 | 3 | 2 | 0 | 10 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 9 | 1 |
| 2 | 0 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-March | 9 | 2 |
| 9 | 0 | 9 | 0 | 0 | NA | 1 | 0 | 4 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 1 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 1 | 2 |
| 3 | 2 | 5 | 0 | 0 | NA | 4 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 1 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 1 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 2 | 1 | 0 | 2 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 1 | 2 |
| 2 | 0 | 2 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 1 | 2 |
| 6 | 0 | 6 | 0 | 0 | NA | 0 | 0 | 0 | 4 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 2 | 0 |
| 3 | 0 | 3 | 13 | 0 | 13 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 2 | 1 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 2 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 2 | 3 |
| 3 | 0 | 3 | 4 | 0 | 4 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 2 | 2 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 1 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 2 | 3 |
| 8 | 0 | 8 | 13 | 0 | 13 | 0 | 1 | 3 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 3 | 0 |
| 2 | 0 | 2 | 6 | 0 | 6 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 3 | 1 |
| 2 | 0 | 2 | 1 | 0 | 7 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 3 | 2 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 3 | 3 |
| 5 | 0 | 5 | 5 | 0 | 5 | 0 | 0 | 0 | 3 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 4 | 0 |
| 4 | 0 | 4 | 13 | 0 | 13 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 4 | 1 |
| 3 | 0 | 3 | 4 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 4 | 2 |
| 2 | 1 | 3 | 0 | 0 | 4 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 4 | 3 |
| 5 | 0 | 5 | 6 | 0 | 7 | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 4 | 1 |
| 2 | 0 | 2 | 2 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 4 | 2 |
| 1 | 1 | 2 | 0 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 4 | 3 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 4 | 3 |
| 5 | 0 | 5 | 6 | 0 | 6 | 0 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 5 | 0 |
| 4 | 0 | 4 | 10 | 0 | 11 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 5 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 5 | 2 |
| 2 | 1 | 3 | 0 | 0 | 5 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 5 | 3 |
| 4 | 0 | 4 | 6 | 0 | 7 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 5 | 1 |
| 3 | 0 | 3 | 3 | 0 | 5 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 5 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 5 | 3 |
| 2 | 2 | 4 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 5 | 3 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 6 | 0 |
| 4 | 0 | 4 | 12 | 0 | 12 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 6 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 6 | 2 |
| 2 | 1 | 3 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 6 | 3 |
| 3 | 0 | 3 | 9 | 0 | 11 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 6 | 1 |
| 3 | 0 | 3 | 0 | 0 | 5 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 6 | 2 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 6 | 3 |
| 3 | 0 | 3 | 2 | 0 | 7 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 6 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 6 | 3 |
| 3 | 0 | 3 | 8 | 0 | 8 | 0 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 7 | 0 |
| 4 | 0 | 4 | 7 | 0 | 9 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 7 | 1 |
| 2 | 0 | 2 | 3 | 0 | 4 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 7 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 7 | 3 |
| 2 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 7 | 1 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 7 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 7 | 3 |
| 7 | 0 | 7 | 13 | 0 | 13 | 0 | 0 | 4 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 8 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 8 | 1 |
| 2 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 8 | 2 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 8 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 8 | 2 |
| 5 | 0 | 5 | 6 | 0 | 6 | 0 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 9 | 0 |
| 4 | 0 | 4 | 9 | 0 | 9 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 9 | 1 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 9 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 9 | 3 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 9 | 1 |
| 2 | 0 | 2 | 2 | 0 | 4 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 9 | 2 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 9 | 3 |
| 4 | 0 | 4 | 9 | 0 | 9 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 9 | 1 |
| 2 | 0 | 2 | 3 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-April | 9 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-April | 9 | 3 |
| 8 | 0 | 8 | 12 | 0 | 12 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 0 |
| 2 | 0 | 2 | 7 | 0 | 7 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 1 |
| 3 | 0 | 3 | 6 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 2 |
| 2 | 0 | 2 | 5 | 0 | 5 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 3 |
| 2 | 6 | 8 | 0 | 0 | NA | 0 | 0 | 0 | 3 | Extention\_Crown | Terminal\_Vegetative\_bud | Darselect | Early-June | 1 | 4 |
| 2 | 0 | 2 | 8 | 0 | 8 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 1 |
| 3 | 0 | 3 | 6 | 0 | 6 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 2 |
| 2 | 0 | 2 | 2 | 0 | 5 | 0 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 3 |
| 2 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 2 |
| 5 | 0 | 5 | 6 | 0 | 7 | 1 | 1 | 1 | 1 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 1 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-June | 1 | 3 |
| 7 | 0 | 7 | 12 | 0 | 14 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 2 | 0 |
| 2 | 0 | 2 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 2 | 1 |
| 2 | 0 | 2 | 7 | 0 | 7 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 2 | 2 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 2 | 3 |
| 3 | 0 | 3 | 7 | 0 | 7 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | 2 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 2 | 2 |
| 8 | 0 | 8 | 16 | 0 | 16 | 1 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 3 | 0 |
| 2 | 0 | 2 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 3 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 3 | 2 |
| 2 | 0 | 2 | 1 | 0 | 5 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 3 | 3 |
| 5 | 0 | 5 | 1 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 3 | 1 |
| 3 | 0 | 3 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 3 | 2 |
| 9 | 0 | 9 | 11 | 0 | 13 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 2 |
| 2 | 0 | 2 | 3 | 0 | 4 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 3 |
| 2 | 0 | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 4 |
| 2 | 0 | 2 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 2 |
| 4 | 0 | 4 | 4 | 0 | 5 | 1 | 0 | 0 | 1 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 2 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 4 | 3 |
| 5 | 0 | 5 | 7 | 0 | 8 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 5 | 0 |
| 4 | 0 | 4 | 10 | 0 | 12 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 5 | 1 |
| 2 | 0 | 2 | 4 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 5 | 2 |
| 2 | 0 | 2 | 6 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 5 | 3 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 5 | 4 |
| 4 | 0 | 4 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 0 |
| 4 | 0 | 4 | 11 | 0 | 11 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 1 |
| 2 | 0 | 2 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 2 |
| 2 | 0 | 2 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 3 |
| 2 | 0 | 2 | 4 | 0 | 4 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 4 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 5 |
| 8 | 0 | 8 | 8 | 0 | 9 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 1 |
| 1 | 0 | 1 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 2 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 3 |
| 2 | 0 | 2 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 2 |
| 2 | 0 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 3 |
| 2 | 0 | 2 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 4 |
| 3 | 0 | 3 | 9 | 0 | 9 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 1 |
| 2 | 0 | 2 | 4 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 2 |
| 2 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 6 | 3 |
| 6 | 0 | 6 | 12 | 0 | 12 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 1 |
| 4 | 0 | 4 | 5 | 0 | 5 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 2 |
| 2 | 0 | 2 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 3 |
| 3 | 0 | 3 | 0 | 0 | 5 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 4 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 1 |
| 3 | 0 | 3 | 7 | 0 | 7 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 2 |
| 2 | 0 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 3 |
| 2 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 4 |
| 4 | 0 | 4 | 5 | 0 | 5 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 2 |
| 2 | 0 | 2 | 1 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 7 | 3 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Darselect | Early-June | 7 | 4 |
| 5 | 0 | 5 | 12 | 0 | 14 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 8 | 0 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 8 | 1 |
| 4 | 0 | 4 | 6 | 0 | 6 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 8 | 2 |
| 2 | 0 | 2 | 1 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 8 | 3 |
| 3 | 0 | 3 | 5 | 0 | 7 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 8 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 8 | 2 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-June | 8 | 3 |
| 4 | 0 | 4 | 2 | 0 | 5 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 8 | 2 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 8 | 3 |
| 7 | 0 | 7 | 17 | 0 | 17 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 9 | 0 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 9 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Darselect | Early-June | 9 | 2 |
| 4 | 0 | 4 | 0 | 0 | 5 | 1 | 1 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Darselect | Early-June | 9 | 2 |
| 11 | 2 | 13 | 0 | 0 | NA | 1 | 0 | 8 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 1 | 0 |
| 11 | 3 | 14 | 0 | 0 | NA | 5 | 2 | 4 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 2 | 0 |
| 8 | 2 | 10 | 0 | 0 | NA | 3 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 3 | 0 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 0 | 3 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-December | 4 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 0 | 0 | 4 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 4 | 1 |
| 7 | 2 | 9 | 0 | 0 | NA | 3 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 5 | 0 |
| 9 | 2 | 11 | 0 | 0 | NA | 2 | 0 | 6 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 6 | 0 |
| 8 | 3 | 11 | 0 | 0 | NA | 3 | 1 | 5 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 7 | 0 |
| 5 | 0 | 5 | 0 | 0 | NA | 1 | 0 | 1 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 8 | 0 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 8 | 1 |
| 10 | 2 | 12 | 0 | 0 | NA | 4 | 0 | 4 | 4 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Mid-December | 9 | 0 |
| 11 | 0 | 11 | 0 | 0 | 9 | 0 | 4 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 1 | 0 |
| 11 | 1 | 12 | 0 | 0 | NA | 2 | 1 | 5 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 2 | 0 |
| 3 | 0 | 3 | 0 | 0 | 8 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 2 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 3 | 0 |
| 5 | 3 | 8 | 0 | 0 | NA | 3 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 3 | 1 |
| 4 | 3 | 7 | 0 | 0 | NA | 4 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 3 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 4 | 0 |
| 3 | 0 | 3 | 0 | 0 | 9 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 4 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 4 | 1 |
| 12 | 1 | 13 | 0 | 0 | NA | 0 | 0 | 8 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 5 | 0 |
| 1 | 2 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 5 | 1 |
| 10 | 0 | 10 | 0 | 0 | 12 | 1 | 1 | 6 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 6 | 0 |
| 7 | 0 | 7 | 0 | 0 | 12 | 1 | 1 | 4 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 7 | 0 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 7 | 1 |
| 10 | 0 | 10 | 0 | 0 | 15 | 1 | 2 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 8 | 0 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 8 | 1 |
| 5 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-Junuary | 9 | 0 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 9 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-Junuary | 9 | 1 |
| 10 | 0 | 10 | 2 | 0 | 16 | 1 | 0 | 4 | 3 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 1 | 0 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 1 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 1 | 1 |
| 8 | 0 | 8 | 1 | 0 | 9 | 0 | 1 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 2 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 2 | 1 |
| 10 | 0 | 10 | 0 | 0 | 19 | 0 | 0 | 5 | 3 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 3 | 0 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 3 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 3 | 1 |
| 11 | 0 | 11 | 0 | 0 | 19 | 1 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 4 | 0 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 4 | 1 |
| 9 | 0 | 9 | 1 | 0 | 13 | 2 | 0 | 2 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 5 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 5 | 1 |
| 11 | 0 | 11 | 1 | 0 | 14 | 0 | 0 | 5 | 4 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 6 | 0 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 6 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 6 | 1 |
| 7 | 0 | 7 | 0 | 0 | 14 | 1 | 1 | 1 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 7 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Mid-February | 7 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 0 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Mid-February | 7 | 1 |
| 11 | 0 | 11 | 1 | 0 | 15 | 1 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 8 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Mid-February | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 8 | 1 |
| 9 | 0 | 9 | 3 | 0 | 20 | 0 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 9 | 0 |
| 3 | 0 | 3 | 0 | 0 | 9 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 9 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Mid-February | 9 | 1 |
| 3 | 0 | 3 | 0 | 0 | 8 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Mid-February | 9 | 1 |
| 9 | 0 | 9 | 8 | 0 | 14 | 0 | 1 | 5 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 1 | 0 |
| 2 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 1 | 1 |
| 4 | 0 | 4 | 2 | 0 | 5 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 1 | 1 |
| 2 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 1 | 2 |
| 2 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 1 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-March | 1 | 2 |
| 9 | 0 | 9 | 8 | 0 | 15 | 0 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 2 | 0 |
| 4 | 0 | 4 | 0 | 0 | 6 | 0 | 1 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | 8 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 2 | 1 |
| 10 | 0 | 10 | 8 | 0 | 11 | 0 | 0 | 5 | 3 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 3 | 0 |
| 3 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 3 | 1 |
| 3 | 0 | 3 | 0 | 0 | 9 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 3 | 1 |
| 6 | 0 | 6 | 5 | 0 | 11 | 2 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 4 | 0 |
| 2 | 0 | 2 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 4 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-March | 4 | 2 |
| 5 | 0 | 5 | 0 | 0 | NA | 0 | 0 | 1 | 1 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | 8 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 4 | 2 |
| 2 | 1 | 3 | 0 | 0 | 5 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 4 | 3 |
| 6 | 0 | 6 | 4 | 0 | 13 | 0 | 0 | 4 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 5 | 0 |
| 4 | 0 | 4 | 0 | 0 | 3 | 0 | 2 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 5 | 1 |
| 9 | 0 | 9 | 4 | 0 | 12 | 0 | 0 | 6 | 1 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 6 | 0 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | 7 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 6 | 1 |
| 11 | 0 | 11 | 0 | 0 | 16 | 0 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 7 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-March | 7 | 1 |
| 3 | 0 | 3 | 1 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 7 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-March | 7 | 2 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-March | 7 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-March | 7 | 1 |
| 7 | 0 | 7 | 9 | 0 | 13 | 0 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 8 | 0 |
| 2 | 0 | 2 | 1 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 8 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-March | 8 | 2 |
| 2 | 0 | 2 | 1 | 0 | 5 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 8 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-March | 8 | 2 |
| 12 | 0 | 12 | 8 | 0 | 13 | 0 | 0 | 6 | 4 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-March | 9 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-March | 9 | 1 |
| 3 | 0 | 3 | 1 | 0 | 6 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-March | 9 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 1 | 0 |
| 3 | 0 | 3 | 0 | 0 | 10 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 1 | 2 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 1 | 3 |
| 2 | 0 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 1 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 1 | 2 |
| 3 | 0 | 3 | 3 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 1 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 1 | 3 |
| 9 | 0 | 9 | 14 | 0 | 15 | 0 | 0 | 3 | 1 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 2 | 0 |
| 3 | 0 | 3 | 7 | 0 | 7 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 2 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 2 | 2 |
| 3 | 0 | 3 | 4 | 0 | 5 | 0 | 2 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 2 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 2 | 2 |
| 3 | 0 | 3 | 6 | 0 | 6 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 2 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 2 | 2 |
| 8 | 0 | 8 | 18 | 0 | 18 | 0 | 0 | 2 | 1 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 3 | 0 |
| 3 | 0 | 3 | 6 | 0 | 7 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 3 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 3 | 2 |
| 5 | 0 | 5 | 5 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 3 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 3 | 2 |
| 4 | 0 | 4 | 9 | 0 | 11 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 3 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 3 | 2 |
| 4 | 0 | 4 | 5 | 0 | 8 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 3 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 3 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 3 | 2 |
| 10 | 0 | 10 | 8 | 0 | 8 | 0 | 0 | 3 | 1 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 4 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 4 | 1 |
| 3 | 1 | 4 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 4 | 2 |
| 1 | 0 | 1 | 7 | 0 | 8 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 4 | 1 |
| 3 | 0 | 3 | 3 | 0 | 3 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 4 | 2 |
| 2 | 1 | 3 | 0 | 0 | 4 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 4 | 3 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 4 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 4 | 2 |
| 2 | 1 | 3 | 0 | 0 | 4 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 4 | 2 |
| 5 | 0 | 5 | 12 | 0 | 12 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 5 | 0 |
| 3 | 0 | 3 | 5 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 5 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 5 | 2 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 5 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 5 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 6 | 0 |
| 4 | 0 | 4 | 14 | 0 | 14 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 6 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 6 | 2 |
| 4 | 0 | 4 | 0 | 0 | 5 | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 6 | 3 |
| 10 | 0 | 10 | 18 | 0 | 18 | 0 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 7 | 0 |
| 3 | 0 | 3 | 9 | 0 | 9 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 7 | 1 |
| 3 | 0 | 3 | 1 | 0 | 7 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 7 | 2 |
| 2 | 0 | 2 | 6 | 0 | 6 | 0 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 7 | 1 |
| 3 | 0 | 3 | 1 | 0 | 6 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 7 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 7 | 3 |
| 3 | 0 | 3 | 8 | 0 | 8 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 7 | 1 |
| 3 | 0 | 3 | 1 | 0 | 4 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 7 | 2 |
| 3 | 0 | 3 | 0 | 0 | 4 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 7 | 2 |
| 9 | 0 | 9 | 14 | 0 | 14 | 0 | 0 | 3 | 3 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 8 | 0 |
| 3 | 0 | 3 | 8 | 0 | 8 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 8 | 1 |
| 3 | 0 | 3 | 1 | 0 | 7 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 8 | 2 |
| 2 | 0 | 2 | 3 | 0 | 7 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 8 | 1 |
| 3 | 0 | 3 | 7 | 0 | 7 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 8 | 1 |
| 3 | 1 | 4 | 0 | 0 | 5 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 8 | 2 |
| 7 | 0 | 7 | 15 | 0 | 15 | 0 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-April | 9 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-April | 9 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 9 | 2 |
| 2 | 0 | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 9 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 9 | 2 |
| 3 | 0 | 3 | 0 | 0 | 5 | 0 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-April | 9 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-April | 9 | 2 |
| 6 | 0 | 6 | 15 | 0 | 16 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 1 | 0 |
| 3 | 0 | 3 | 3 | 0 | 3 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 1 | 1 |
| 4 | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 1 | 2 |
| 3 | 0 | 3 | 2 | 0 | 8 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 1 | 3 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 1 | 1 |
| 6 | 0 | 6 | 1 | 0 | 3 | 2 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 1 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 2 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 1 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 1 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 2 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 1 | 3 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 1 | 3 |
| 3 | 0 | 3 | 1 | 0 | 4 | 0 | 1 | 0 | 2 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 1 | 3 |
| 1 | 4 | 5 | 0 | 0 | NA | 0 | 0 | 0 | 1 | Branch\_Crown | Terminal\_Vegetative\_bud | Clery | Early-June | 1 | 4 |
| 8 | 0 | 8 | 10 | 0 | 12 | 0 | 0 | 0 | 3 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 0 |
| 3 | 0 | 3 | 6 | 0 | 7 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 2 |
| 3 | 0 | 3 | 1 | 0 | 4 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 3 |
| 3 | 0 | 3 | 7 | 0 | 8 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 2 |
| 4 | 0 | 4 | 4 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 3 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 4 |
| 3 | 0 | 3 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 4 |
| 3 | 0 | 3 | 1 | 0 | 3 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 2 | 2 |
| 4 | 0 | 4 | 17 | 0 | 19 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 0 |
| 3 | 0 | 3 | 4 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 2 |
| 3 | 0 | 3 | 3 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 3 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 4 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 1 |
| 3 | 0 | 3 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 2 |
| 4 | 0 | 4 | 1 | 0 | 4 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 3 |
| 2 | 0 | 2 | 1 | 0 | 4 | 0 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 4 |
| 1 | 0 | 1 | 0 | 0 | 5 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 3 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 2 |
| 3 | 0 | 3 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 3 | 3 |
| 7 | 0 | 7 | 12 | 0 | 13 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 0 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 2 |
| 3 | 0 | 3 | 6 | 0 | 8 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 3 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 2 |
| 2 | 0 | 2 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 3 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_initiated\_bud | Clery | Early-June | 4 | 4 |
| 1 | 1 | 2 | 0 | 0 | NA | 0 | 1 | 0 | 1 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 4 | 2 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 3 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 4 | 4 |
| 4 | 0 | 4 | 2 | 0 | 2 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 2 |
| 3 | 0 | 3 | 1 | 0 | 3 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 4 | 3 |
| 5 | 0 | 5 | 14 | 0 | 15 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 5 | 0 |
| 3 | 0 | 3 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 5 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 5 | 2 |
| 3 | 0 | 3 | 2 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 5 | 3 |
| 2 | 0 | 2 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 5 | 4 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 5 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 5 | 2 |
| 4 | 0 | 4 | 1 | 0 | 5 | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 5 | 3 |
| 6 | 0 | 6 | 11 | 0 | 13 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 6 | 0 |
| 2 | 0 | 2 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 6 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 6 | 3 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 6 | 2 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 0 |
| 3 | 0 | 3 | 12 | 0 | 12 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 1 |
| 4 | 0 | 4 | 3 | 0 | 3 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 3 |
| 3 | 0 | 3 | 0 | 0 | 3 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 4 |
| 3 | 0 | 3 | 7 | 0 | 7 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 1 |
| 2 | 0 | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 2 |
| 3 | 0 | 3 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 3 |
| 3 | 0 | 3 | 0 | 0 | 3 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 4 |
| 2 | 0 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 3 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 7 | 3 |
| 12 | 0 | 12 | 11 | 0 | 13 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 0 |
| 3 | 0 | 3 | 3 | 0 | 4 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 1 |
| 4 | 0 | 4 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 2 |
| 4 | 0 | 4 | 6 | 0 | 6 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 1 |
| 4 | 0 | 4 | 2 | 0 | 2 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 3 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 1 | 0 | 1 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 8 | 4 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 2 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 8 | 4 |
| 1 | 0 | 1 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 1 |
| 6 | 0 | 6 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 2 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 8 | 3 |
| 2 | 0 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 8 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 8 | 3 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Branch\_Crown | Terminal\_Floral\_bud | Clery | Early-June | 8 | 2 |
| 7 | 0 | 7 | 12 | 0 | 12 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 0 |
| 3 | 0 | 3 | 8 | 0 | 8 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 3 |
| 3 | 0 | 3 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 4 |
| 4 | 0 | 4 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 1 |
| 3 | 0 | 3 | 4 | 0 | 5 | 0 | 2 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 2 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 3 |
| 2 | 0 | 2 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 4 |
| 3 | 0 | 3 | 4 | 0 | 6 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 2 |
| 3 | 0 | 3 | 0 | 0 | 3 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 3 |
| 2 | 0 | 2 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 1 |
| 4 | 0 | 4 | 5 | 0 | 5 | 1 | 1 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 2 |
| 3 | 0 | 3 | 3 | 0 | 4 | 1 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Clery | Early-June | 9 | 3 |
| 11 | 3 | 14 | 0 | 0 | NA | 1 | 1 | 9 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 1 | 0 |
| 8 | 3 | 11 | 0 | 0 | NA | 5 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 2 | 0 |
| 2 | 3 | 5 | 0 | 0 | NA | 5 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 2 | 1 |
| 6 | 2 | 8 | 0 | 0 | NA | 3 | 1 | 3 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 3 | 0 |
| 8 | 2 | 10 | 0 | 0 | NA | 3 | 2 | 3 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 4 | 0 |
| 8 | 2 | 10 | 0 | 0 | NA | 0 | 2 | 7 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 5 | 0 |
| 9 | 2 | 11 | 0 | 0 | NA | 2 | 2 | 6 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 6 | 0 |
| 8 | 2 | 10 | 0 | 0 | NA | 4 | 0 | 4 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 7 | 0 |
| 6 | 2 | 8 | 0 | 0 | NA | 3 | 1 | 3 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 8 | 0 |
| 8 | 2 | 10 | 0 | 0 | NA | 1 | 1 | 6 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 9 | 0 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-December | 9 | 1 |
| 8 | 0 | 8 | 0 | 0 | NA | 0 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 1 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 1 | 1 |
| 10 | 0 | 10 | 0 | 0 | 14 | 0 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 2 | 0 |
| 1 | 3 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 2 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 2 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 2 | 1 |
| 11 | 1 | 12 | 12 | 0 | NA | 0 | 1 | 8 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 3 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 3 | 1 |
| 11 | 0 | 11 | 0 | 0 | 14 | 0 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 4 | 0 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 4 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 4 | 2 |
| 3 | 3 | 6 | 0 | 0 | NA | 3 | 2 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 4 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 4 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 4 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 4 | 1 |
| 9 | 0 | 9 | 0 | 0 | 13 | 0 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 5 | 0 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 5 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 5 | 1 |
| 12 | 0 | 12 | 0 | 0 | 15 | 0 | 1 | 5 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 6 | 0 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 6 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 6 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 6 | 1 |
| 11 | 0 | 11 | 0 | 0 | 14 | 0 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 7 | 0 |
| 1 | 3 | 4 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 7 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 7 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 7 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 7 | 1 |
| 14 | 0 | 14 | 0 | 0 | NA | 1 | 1 | 6 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 8 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 8 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 8 | 1 |
| 9 | 0 | 9 | 0 | 0 | 13 | 0 | 1 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-Junuary | 9 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 9 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-Junuary | 9 | 1 |
| 12 | 0 | 12 | 0 | 0 | NA | 1 | 0 | 4 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 1 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 1 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 1 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 1 | 1 |
| 11 | 0 | 11 | 0 | 0 | 13 | 0 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 2 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 2 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 2 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 2 | 1 |
| 11 | 0 | 11 | 2 | 0 | 10 | 0 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 3 | 0 |
| 2 | 1 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 3 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 3 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Vegetative\_bud | Capriss | Mid-February | 3 | 2 |
| 4 | 0 | 4 | 0 | 0 | 5 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 3 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 3 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 3 | 1 |
| 9 | 0 | 9 | 1 | 0 | 7 | 1 | 1 | 2 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 4 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 4 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 4 | 1 |
| 10 | 0 | 10 | 4 | 0 | 11 | 0 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 5 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 5 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 5 | 1 |
| 11 | 0 | 11 | 1 | 0 | 15 | 1 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 6 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 6 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 6 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 6 | 1 |
| 7 | 0 | 7 | 0 | 0 | NA | 0 | 0 | 1 | 4 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 7 | 0 |
| 4 | 0 | 4 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 7 | 1 |
| 2 | 5 | 7 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 7 | 2 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 7 | 1 |
| 10 | 0 | 10 | 3 | 0 | 8 | 2 | 1 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 8 | 0 |
| 2 | 0 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 8 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 8 | 2 |
| 4 | 0 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 8 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 8 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 8 | 1 |
| 12 | 0 | 12 | 0 | 0 | 9 | 0 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 9 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 9 | 1 |
| 7 | 0 | 7 | 0 | 0 | 6 | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 9 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 9 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 9 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Mid-February | 9 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 9 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 9 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Mid-February | 9 | 1 |
| 9 | 0 | 9 | 8 | 0 | 11 | 0 | 1 | 4 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 1 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 1 | 1 |
| 5 | 0 | 5 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 1 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 1 | 2 |
| 3 | 0 | 3 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 1 | 1 |
| 10 | 0 | 10 | 5 | 0 | 12 | 0 | 1 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 2 | 0 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 2 | 1 |
| 10 | 0 | 10 | 9 | 0 | 13 | 0 | 1 | 1 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 3 | 0 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 3 | 1 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 3 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 3 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 3 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 3 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 3 | 1 |
| 13 | 0 | 13 | 6 | 0 | 9 | 1 | 2 | 1 | 4 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 4 | 0 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 4 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 4 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 4 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 4 | 1 |
| 13 | 0 | 13 | 3 | 0 | 10 | 0 | 2 | 2 | 4 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 5 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 5 | 1 |
| 4 | 0 | 4 | 2 | 0 | 6 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 5 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 5 | 2 |
| 3 | 0 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 5 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 5 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 5 | 1 |
| 11 | 0 | 11 | 5 | 0 | 11 | 1 | 0 | 2 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 6 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 6 | 1 |
| 3 | 0 | 3 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 6 | 1 |
| 3 | 0 | 3 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 6 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 6 | 2 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 6 | 1 |
| 12 | 0 | 12 | 6 | 0 | 9 | 1 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 7 | 0 |
| 3 | 0 | 3 | 3 | 0 | 3 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 7 | 1 |
| 5 | 0 | 5 | 1 | 0 | 6 | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 7 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 7 | 2 |
| 4 | 0 | 4 | 4 | 0 | 4 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 7 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 7 | 2 |
| 5 | 0 | 5 | 4 | 0 | 4 | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 7 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 7 | 2 |
| 3 | 2 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 7 | 1 |
| 15 | 0 | 15 | 4 | 0 | 10 | 0 | 2 | 3 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 8 | 0 |
| 3 | 2 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 8 | 1 |
| 4 | 0 | 4 | 3 | 0 | 6 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 8 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 8 | 2 |
| 6 | 0 | 6 | 3 | 0 | 5 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 8 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 8 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 8 | 2 |
| 4 | 0 | 4 | 4 | 0 | 4 | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 8 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 8 | 2 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 8 | 1 |
| 10 | 0 | 10 | 7 | 0 | 10 | 0 | 1 | 2 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 9 | 0 |
| 2 | 0 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 9 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 9 | 2 |
| 2 | 0 | 2 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 9 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 9 | 2 |
| 4 | 0 | 4 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 9 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 9 | 2 |
| 4 | 0 | 4 | 0 | 0 | 4 | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-March | 9 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 9 | 2 |
| 3 | 3 | 6 | 0 | 0 | NA | 4 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 9 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-March | 9 | 1 |
| 11 | 0 | 11 | 11 | 0 | 11 | 2 | 1 | 1 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 1 | 0 |
| 4 | 1 | 5 | 0 | 0 | NA | 0 | 2 | 3 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 1 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 1 | 1 |
| 4 | 1 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 1 | 2 |
| 3 | 0 | 3 | 3 | 0 | 3 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 1 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 1 | 2 |
| 4 | 1 | 5 | 0 | 0 | 6 | 2 | 1 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 1 | 1 |
| 9 | 0 | 9 | 9 | 0 | 9 | 0 | 1 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 2 | 0 |
| 2 | 0 | 2 | 4 | 0 | 4 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 2 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 2 | 2 |
| 2 | 0 | 2 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 2 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 2 | 2 |
| 2 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 2 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 5 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 2 | 2 |
| 2 | 0 | 2 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 2 | 2 |
| 2 | 0 | 2 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 2 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 2 | 2 |
| 4 | 1 | 5 | 0 | 0 | NA | 3 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 2 | 1 |
| 11 | 0 | 11 | 24 | 0 | 24 | 0 | 0 | 2 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 3 | 0 |
| 4 | 0 | 4 | 5 | 0 | 5 | 0 | 3 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 3 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 3 | 2 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 3 | 1 |
| 4 | 1 | 5 | 0 | 0 | NA | 3 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 3 | 2 |
| 2 | 0 | 2 | 9 | 0 | 9 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 3 | 1 |
| 4 | 1 | 5 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 3 | 2 |
| 3 | 0 | 3 | 5 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 3 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 3 | 2 |
| 3 | 0 | 3 | 4 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 3 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 3 | 2 |
| 11 | 0 | 11 | 13 | 0 | 13 | 0 | 0 | 1 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 4 | 0 |
| 5 | 0 | 5 | 1 | 0 | 5 | 1 | 2 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 4 | 1 |
| 2 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 4 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 4 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 4 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 4 | 2 |
| 3 | 0 | 3 | 5 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 4 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 4 | 2 |
| 3 | 0 | 3 | 2 | 0 | 5 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 4 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 4 | 2 |
| 3 | 0 | 3 | 0 | 0 | 4 | 0 | 2 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 4 | 1 |
| 9 | 0 | 9 | 13 | 0 | 13 | 0 | 0 | 1 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 5 | 0 |
| 3 | 0 | 3 | 4 | 0 | 5 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 5 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 5 | 2 |
| 3 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 5 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 4 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 5 | 2 |
| 3 | 0 | 3 | 5 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | 3 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 5 | 2 |
| 3 | 0 | 3 | 2 | 0 | 4 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 5 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 5 | 2 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 5 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 6 | 0 |
| 7 | 0 | 7 | 7 | 0 | 7 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 6 | 1 |
| 5 | 0 | 5 | 0 | 0 | 4 | 2 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 6 | 2 |
| 2 | 0 | 2 | 4 | 0 | 4 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 6 | 1 |
| 4 | 1 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 6 | 2 |
| 3 | 0 | 3 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 6 | 2 |
| 4 | 0 | 4 | 0 | 0 | 5 | 0 | 1 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 6 | 2 |
| 9 | 0 | 9 | 11 | 0 | 11 | 0 | 0 | 1 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 0 |
| 3 | 0 | 3 | 3 | 0 | 3 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 1 |
| 4 | 0 | 4 | 0 | 0 | 5 | 1 | 2 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 2 |
| 4 | 0 | 4 | 6 | 0 | 6 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 1 |
| 3 | 1 | 4 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 1 |
| 3 | 0 | 3 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 2 |
| 3 | 0 | 3 | 6 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 1 |
| 3 | 0 | 3 | 2 | 0 | 3 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 2 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 7 | 3 |
| 4 | 0 | 4 | 4 | 0 | 4 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 7 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 7 | 2 |
| 9 | 0 | 9 | 14 | 0 | 14 | 0 | 0 | 3 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 8 | 0 |
| 3 | 0 | 3 | 4 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 8 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 8 | 2 |
| 3 | 0 | 3 | 6 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 8 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 8 | 2 |
| 2 | 0 | 2 | 4 | 0 | 4 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 8 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 8 | 2 |
| 3 | 0 | 3 | 3 | 0 | 3 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 8 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 8 | 2 |
| 11 | 0 | 11 | 11 | 0 | 11 | 0 | 0 | 1 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 9 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 9 | 1 |
| 4 | 0 | 4 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 9 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 9 | 1 |
| 2 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 9 | 2 |
| 3 | 0 | 3 | 2 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 9 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 9 | 2 |
| 4 | 0 | 4 | 6 | 0 | 6 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-April | 9 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 9 | 2 |
| 4 | 1 | 5 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 9 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-April | 9 | 1 |
| 14 | 0 | 14 | 12 | 0 | 12 | 0 | 0 | 0 | 3 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 0 |
| 5 | 0 | 5 | 4 | 0 | 4 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 2 |
| 2 | 1 | 3 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 3 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 1 |
| 5 | 0 | 5 | 4 | 0 | 4 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 2 |
| 2 | 1 | 3 | 0 | 0 | 4 | 1 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 3 |
| 1 | 0 | 1 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 1 |
| 3 | 0 | 3 | 3 | 0 | 3 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 2 |
| 4 | 0 | 4 | 2 | 0 | 3 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 3 |
| 3 | 0 | 3 | 6 | 0 | 7 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 1 |
| 3 | 0 | 3 | 3 | 0 | 3 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 2 |
| 3 | 0 | 3 | 2 | 0 | 4 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 3 |
| 5 | 0 | 5 | 4 | 0 | 4 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 1 | 2 |
| 5 | 0 | 5 | 3 | 0 | 3 | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 1 | 2 |
| 10 | 0 | 10 | 13 | 0 | 13 | 0 | 0 | 0 | 4 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 0 |
| 3 | 0 | 3 | 5 | 0 | 5 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 1 |
| 5 | 0 | 5 | 4 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 2 |
| 2 | 1 | 3 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 3 |
| 4 | 0 | 4 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 1 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 2 | 3 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 2 | 3 |
| 4 | 0 | 4 | 2 | 0 | 3 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 1 |
| 4 | 0 | 4 | 0 | 0 | 3 | 2 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 2 | 2 |
| 10 | 0 | 10 | 11 | 0 | 11 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 0 |
| 5 | 0 | 5 | 4 | 0 | 4 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 1 |
| 4 | 0 | 4 | 3 | 0 | 3 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Vegetative\_bud | Capriss | Early-June | 3 | 3 |
| 1 | 0 | 1 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 1 |
| 3 | 0 | 3 | 3 | 0 | 3 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 2 |
| 3 | 0 | 3 | 2 | 0 | 4 | 1 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 3 |
| 2 | 0 | 2 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 2 |
| 2 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 3 |
| 5 | 0 | 5 | 2 | 0 | 2 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 1 |
| 2 | 0 | 2 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 3 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 3 | 3 |
| 9 | 0 | 9 | 10 | 0 | 10 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 0 |
| 2 | 0 | 2 | 4 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 2 |
| 4 | 0 | 4 | 3 | 0 | 3 | 3 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 3 |
| 1 | 3 | 4 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Vegetative\_bud | Capriss | Early-June | 4 | 4 |
| 2 | 0 | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 1 |
| 5 | 1 | 6 | 4 | 0 | 4 | 1 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 2 |
| 2 | 0 | 2 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 3 |
| 3 | 0 | 3 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 1 |
| 5 | 0 | 5 | 4 | 0 | 4 | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 2 |
| 2 | 1 | 3 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 3 |
| 3 | 0 | 3 | 3 | 0 | 3 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 2 |
| 3 | 0 | 3 | 1 | 0 | 4 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 4 | 3 |
| 3 | 0 | 3 | 3 | 0 | 3 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 1 |
| 3 | 0 | 3 | 3 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 4 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 4 | 3 |
| 8 | 0 | 8 | 9 | 0 | 11 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 0 |
| 3 | 0 | 3 | 4 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 2 |
| 4 | 1 | 5 | 0 | 0 | 3 | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 3 |
| 4 | 0 | 4 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 1 |
| 3 | 0 | 3 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 2 |
| 2 | 0 | 2 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 3 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 5 | 4 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 2 |
| 1 | 1 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 5 | 3 |
| 9 | 0 | 9 | 14 | 0 | 15 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 0 |
| 2 | 0 | 2 | 4 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 1 |
| 3 | 0 | 3 | 2 | 0 | 3 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 2 |
| 2 | 0 | 2 | 2 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 3 |
| 1 | 1 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 4 |
| 2 | 0 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 1 |
| 4 | 1 | 5 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 6 | 2 |
| 2 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 2 |
| 2 | 0 | 2 | 1 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 3 |
| 3 | 0 | 3 | 3 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 6 | 2 |
| 10 | 0 | 10 | 12 | 0 | 15 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 0 |
| 3 | 0 | 3 | 3 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 1 |
| 4 | 0 | 4 | 1 | 0 | 4 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 7 | 3 |
| 3 | 0 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 7 | 2 |
| 4 | 0 | 4 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 1 |
| 6 | 0 | 6 | 4 | 0 | 4 | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 2 |
| 1 | 2 | 3 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 3 |
| 3 | 0 | 3 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 7 | 3 |
| 4 | 0 | 4 | 3 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 2 |
| 4 | 0 | 4 | 2 | 0 | 3 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 1 |
| 3 | 0 | 3 | 1 | 0 | 2 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 2 |
| 4 | 0 | 4 | 4 | 0 | 4 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 1 |
| 4 | 0 | 4 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 7 | 2 |
| 10 | 0 | 10 | 10 | 0 | 10 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 0 |
| 4 | 0 | 4 | 4 | 0 | 4 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 1 |
| 5 | 0 | 5 | 4 | 0 | 4 | 0 | 0 | 4 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 2 |
| 3 | 0 | 3 | 1 | 0 | 3 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 3 |
| 4 | 0 | 4 | 4 | 0 | 4 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 1 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 1 |
| 5 | 0 | 5 | 3 | 0 | 3 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 2 |
| 3 | 0 | 3 | 3 | 0 | 4 | 1 | 1 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 3 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 1 |
| 3 | 0 | 3 | 2 | 0 | 2 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 2 |
| 3 | 0 | 3 | 3 | 0 | 3 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 3 |
| 1 | 1 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 4 |
| 3 | 0 | 3 | 3 | 0 | 4 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 8 | 1 |
| 10 | 0 | 10 | 11 | 0 | 11 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 0 |
| 5 | 0 | 5 | 5 | 0 | 5 | 1 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 2 |
| 3 | 0 | 3 | 2 | 0 | 3 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 3 |
| 2 | 0 | 2 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 2 |
| 2 | 0 | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 3 |
| 4 | 0 | 4 | 4 | 0 | 4 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 1 |
| 3 | 0 | 3 | 10 | 0 | 10 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Capriss | Early-June | 9 | 3 |
| 5 | 0 | 5 | 3 | 0 | 3 | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 1 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Capriss | Early-June | 9 | 2 |
| 8 | 2 | 10 | 0 | 0 | NA | 2 | 0 | 6 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 1 | 0 |
| 9 | 2 | 11 | 0 | 0 | NA | 0 | 0 | 7 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 2 | 0 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 2 | 1 |
| 7 | 2 | 9 | 0 | 0 | NA | 0 | 0 | 7 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 3 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 3 | 1 |
| 11 | 1 | 12 | 0 | 0 | NA | 0 | 0 | 9 | 3 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-December | 4 | 0 |
| 11 | 1 | 12 | 0 | 0 | NA | 1 | 0 | 7 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 5 | 0 |
| 11 | 3 | 14 | 0 | 0 | NA | 0 | 0 | 8 | 5 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 6 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 6 | 1 |
| 9 | 3 | 12 | 0 | 0 | NA | 0 | 0 | 9 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 7 | 0 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 7 | 1 |
| 9 | 2 | 11 | 0 | 0 | NA | 0 | 0 | 7 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 8 | 0 |
| 3 | 3 | 6 | 0 | 0 | NA | 4 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 8 | 1 |
| 8 | 3 | 11 | 0 | 0 | NA | 1 | 0 | 7 | 3 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-December | 9 | 0 |
| 11 | 1 | 12 | 0 | 0 | NA | 0 | 0 | 7 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 1 | 0 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 1 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 1 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 1 | 1 |
| 10 | 1 | 11 | 0 | 0 | NA | 2 | 0 | 6 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 2 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 2 | 1 |
| 11 | 0 | 11 | 0 | 0 | 14 | 0 | 0 | 6 | 4 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 3 | 0 |
| 1 | 3 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 3 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 4 | 0 |
| 9 | 0 | 9 | 0 | 0 | 17 | 0 | 0 | 5 | 3 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 4 | 1 |
| 6 | 0 | 6 | 0 | 0 | NA | 3 | 0 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 4 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 4 | 2 |
| 5 | 0 | 5 | 0 | 0 | NA | 0 | 0 | 1 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 5 | 0 |
| 5 | 1 | 6 | 0 | 0 | NA | 1 | 0 | 4 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 6 | 0 |
| 5 | 1 | 6 | 0 | 0 | 16 | 1 | 0 | 4 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 6 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 6 | 1 |
| 13 | 0 | 13 | 0 | 0 | NA | 0 | 1 | 5 | 4 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 7 | 0 |
| 6 | 1 | 7 | 0 | 0 | NA | 3 | 2 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 7 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 7 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 7 | 1 |
| 6 | 0 | 6 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 8 | 0 |
| 5 | 1 | 6 | 0 | 0 | NA | 0 | 0 | 4 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 8 | 1 |
| 6 | 2 | 8 | 0 | 0 | NA | 3 | 2 | 3 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 8 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 8 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-Junuary | 8 | 2 |
| 12 | 0 | 12 | 0 | 0 | NA | 1 | 0 | 6 | 4 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 9 | 0 |
| 6 | 0 | 6 | 0 | 0 | 12 | 4 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-Junuary | 9 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 1 | 0 |
| 5 | 0 | 5 | 0 | 0 | 11 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 1 | 2 |
| 5 | 0 | 5 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 1 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 1 | 2 |
| 4 | 0 | 4 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 1 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 1 | 2 |
| 13 | 0 | 13 | 0 | 0 | 16 | 0 | 1 | 3 | 3 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 2 | 0 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 2 | 1 |
| 6 | 0 | 6 | 0 | 0 | 14 | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 2 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 2 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 2 | 2 |
| 6 | 0 | 6 | 0 | 0 | 9 | 4 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 2 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 2 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 2 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 3 | 0 |
| 6 | 0 | 6 | 0 | 0 | 19 | 0 | 0 | 5 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 3 | 1 |
| 2 | 0 | 2 | 0 | 0 | 8 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 3 | 2 |
| 3 | 0 | 3 | 0 | 0 | 9 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 3 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 3 | 2 |
| 13 | 0 | 13 | 0 | 0 | 18 | 0 | 0 | 5 | 4 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 4 | 0 |
| 2 | 0 | 2 | 0 | 0 | 10 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 4 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 4 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 4 | 1 |
| 11 | 0 | 11 | 0 | 0 | 17 | 1 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 5 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 5 | 1 |
| 6 | 0 | 6 | 0 | 0 | 10 | 4 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 5 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 5 | 2 |
| 7 | 0 | 7 | 0 | 0 | 14 | 3 | 1 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 5 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 5 | 2 |
| 10 | 0 | 10 | 0 | 0 | 17 | 2 | 0 | 3 | 1 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 6 | 0 |
| 2 | 0 | 2 | 0 | 0 | 9 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 6 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 6 | 1 |
| 10 | 0 | 10 | 0 | 0 | 13 | 0 | 0 | 4 | 1 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 7 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 7 | 1 |
| 6 | 0 | 6 | 0 | 0 | 16 | 1 | 1 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 7 | 1 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 7 | 2 |
| 3 | 0 | 3 | 0 | 0 | 10 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 7 | 1 |
| 2 | 0 | 2 | 0 | 0 | 7 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 7 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 7 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 7 | 1 |
| 8 | 0 | 8 | 0 | 0 | 13 | 0 | 0 | 4 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 8 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 8 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 8 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 8 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 9 | 0 |
| 8 | 0 | 8 | 0 | 0 | 19 | 1 | 0 | 6 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 9 | 1 |
| 2 | 0 | 2 | 0 | 0 | 9 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 9 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Mid-February | 9 | 3 |
| 4 | 0 | 4 | 0 | 0 | 14 | 0 | 0 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 9 | 1 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Mid-February | 9 | 2 |
| 10 | 0 | 10 | 12 | 0 | 18 | 0 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 1 | 0 |
| 3 | 0 | 3 | 1 | 0 | 7 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 1 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 1 | 2 |
| 5 | 0 | 5 | 5 | 0 | 8 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 1 | 1 |
| 2 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 1 | 2 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 1 | 3 |
| 4 | 0 | 4 | 3 | 0 | 8 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 1 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 1 | 2 |
| 5 | 0 | 5 | 0 | 0 | 5 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 1 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 1 | 2 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 1 | 2 |
| 4 | 0 | 4 | 4 | 0 | 9 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 1 | 1 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 1 | 2 |
| 10 | 0 | 10 | 0 | 0 | 19 | 0 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 2 | 0 |
| 2 | 0 | 2 | 2 | 0 | 8 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 2 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 2 | 2 |
| 6 | 0 | 6 | 4 | 0 | 14 | 2 | 0 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 2 | 1 |
| 2 | 0 | 2 | 0 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 2 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 2 | 1 |
| 11 | 0 | 11 | 8 | 0 | 10 | 0 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 3 | 0 |
| 3 | 0 | 3 | 1 | 0 | 6 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 3 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 3 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 3 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 3 | 2 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 3 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 3 | 2 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 3 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 3 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 0 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 3 | 1 |
| 13 | 0 | 13 | 11 | 0 | 16 | 0 | 0 | 6 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 4 | 0 |
| 3 | 0 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 4 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 4 | 2 |
| 4 | 0 | 4 | 3 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 4 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 4 | 2 |
| 4 | 0 | 4 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 4 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 4 | 2 |
| 6 | 0 | 6 | 12 | 0 | 16 | 2 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 4 | 1 |
| 2 | 0 | 2 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 4 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 4 | 3 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 4 | 1 |
| 9 | 0 | 9 | 16 | 0 | 21 | 0 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 5 | 0 |
| 2 | 0 | 2 | 3 | 0 | 8 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 5 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 5 | 2 |
| 2 | 0 | 2 | 2 | 0 | 8 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 5 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 5 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 5 | 2 |
| 11 | 0 | 11 | 16 | 0 | 28 | 0 | 0 | 5 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 6 | 0 |
| 3 | 0 | 3 | 2 | 0 | 7 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 6 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 6 | 2 |
| 2 | 0 | 2 | 3 | 0 | 10 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 6 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 6 | 2 |
| 12 | 0 | 12 | 0 | 0 | NA | 0 | 0 | 3 | 3 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 1 |
| 4 | 0 | 4 | 4 | 0 | 9 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 1 |
| 2 | 0 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 2 |
| 1 | 3 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 7 | 3 |
| 7 | 0 | 7 | 6 | 0 | 13 | 2 | 0 | 4 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 1 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 2 |
| 3 | 0 | 3 | 2 | 0 | 4 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 1 |
| 2 | 0 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 7 | 1 |
| 2 | 0 | 2 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 7 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 7 | 2 |
| 10 | 0 | 10 | 11 | 0 | 18 | 0 | 0 | 6 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 8 | 0 |
| 2 | 0 | 2 | 1 | 0 | 7 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 8 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 8 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 8 | 1 |
| 10 | 0 | 10 | 9 | 0 | 17 | 1 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 9 | 0 |
| 2 | 0 | 2 | 2 | 0 | 9 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 9 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 9 | 2 |
| 8 | 0 | 8 | 3 | 0 | 10 | 4 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 9 | 1 |
| 3 | 0 | 3 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-March | 9 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 9 | 2 |
| 4 | 0 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-March | 9 | 1 |
| 15 | 0 | 15 | 18 | 0 | 18 | 1 | 2 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 0 |
| 3 | 0 | 3 | 7 | 0 | 7 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 2 |
| 6 | 0 | 6 | 16 | 0 | 17 | 0 | 0 | 5 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 1 |
| 2 | 0 | 2 | 3 | 0 | 8 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 1 | 3 |
| 1 | 0 | 1 | 11 | 0 | 11 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 1 |
| 2 | 0 | 2 | 6 | 0 | 7 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 1 | 3 |
| 4 | 0 | 4 | 11 | 0 | 11 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 1 |
| 2 | 0 | 2 | 5 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 2 |
| 2 | 0 | 2 | 0 | 0 | 5 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 3 |
| 9 | 0 | 9 | 21 | 0 | 22 | 1 | 0 | 4 | 1 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 1 |
| 2 | 0 | 2 | 6 | 0 | 7 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 2 |
| 3 | 0 | 3 | 0 | 0 | 4 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 3 |
| 4 | 0 | 4 | 2 | 0 | 7 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 1 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 1 | 2 |
| 11 | 0 | 11 | 15 | 0 | 15 | 0 | 0 | 5 | 3 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 2 | 0 |
| 2 | 0 | 2 | 6 | 0 | 6 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 2 | 1 |
| 2 | 0 | 2 | 0 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 2 | 2 |
| 4 | 0 | 4 | 7 | 0 | 8 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 2 | 1 |
| 2 | 0 | 2 | 1 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 2 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 2 | 3 |
| 3 | 0 | 3 | 4 | 0 | 7 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 2 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 2 | 2 |
| 12 | 0 | 12 | 18 | 0 | 18 | 1 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 3 | 0 |
| 2 | 0 | 2 | 7 | 0 | 8 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 3 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 3 | 2 |
| 3 | 0 | 3 | 11 | 0 | 11 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 3 | 1 |
| 2 | 0 | 2 | 7 | 0 | 8 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 3 | 2 |
| 4 | 0 | 4 | 0 | 0 | 6 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 3 | 3 |
| 2 | 2 | 4 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 3 | 1 |
| 2 | 0 | 2 | 12 | 0 | 12 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 4 | 0 |
| 4 | 0 | 4 | 13 | 0 | 13 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 4 | 1 |
| 2 | 0 | 2 | 6 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 4 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 4 | 3 |
| 4 | 0 | 4 | 7 | 0 | 8 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 4 | 1 |
| 3 | 0 | 3 | 0 | 0 | 7 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 4 | 2 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 4 | 2 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 4 | 2 |
| 13 | 0 | 13 | 23 | 0 | 23 | 0 | 0 | 3 | 3 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 5 | 0 |
| 3 | 0 | 3 | 6 | 0 | 12 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 5 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 5 | 2 |
| 3 | 0 | 3 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 5 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 5 | 2 |
| 4 | 0 | 4 | 4 | 0 | 9 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 5 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 3 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 5 | 2 |
| 4 | 0 | 4 | 3 | 0 | 8 | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 5 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 5 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 5 | 2 |
| 3 | 0 | 3 | 5 | 0 | 8 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 5 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 3 | 2 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 5 | 2 |
| 5 | 0 | 5 | 13 | 0 | 15 | 1 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 6 | 0 |
| 2 | 0 | 2 | 5 | 0 | 10 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 6 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 6 | 2 |
| 2 | 0 | 2 | 5 | 0 | 10 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 6 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 6 | 2 |
| 11 | 0 | 11 | 15 | 0 | 15 | 0 | 0 | 3 | 4 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 7 | 0 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 7 | 1 |
| 4 | 0 | 4 | 0 | 0 | 8 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 7 | 2 |
| 5 | 0 | 5 | 7 | 0 | 7 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 7 | 1 |
| 3 | 0 | 3 | 0 | 0 | 5 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 7 | 2 |
| 3 | 0 | 3 | 2 | 0 | 5 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 7 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 7 | 2 |
| 8 | 0 | 8 | 11 | 0 | 11 | 0 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 8 | 0 |
| 2 | 0 | 2 | 7 | 0 | 9 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 8 | 1 |
| 2 | 0 | 2 | 0 | 0 | 9 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 8 | 2 |
| 7 | 3 | 10 | 0 | 0 | NA | 5 | 2 | 3 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 8 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 8 | 1 |
| 2 | 0 | 2 | 10 | 0 | 12 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 8 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 8 | 2 |
| 9 | 0 | 9 | 14 | 0 | 14 | 0 | 0 | 2 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 9 | 0 |
| 3 | 0 | 3 | 6 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 9 | 1 |
| 4 | 0 | 4 | 0 | 0 | 4 | 1 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 9 | 2 |
| 3 | 0 | 3 | 4 | 0 | 7 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-April | 9 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-April | 9 | 2 |
| 11 | 0 | 11 | 13 | 0 | 14 | 0 | 0 | 1 | 1 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 0 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 2 |
| 3 | 0 | 3 | 1 | 0 | 5 | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 3 |
| 5 | 0 | 5 | 8 | 0 | 10 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 1 |
| 2 | 0 | 2 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 3 |
| 3 | 0 | 3 | 3 | 0 | 6 | 0 | 2 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 4 |
| 2 | 0 | 2 | 4 | 0 | 7 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 2 |
| 3 | 0 | 3 | 4 | 0 | 6 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 3 |
| 3 | 0 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 4 |
| 1 | 2 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 1 | 3 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 1 |
| 2 | 0 | 2 | 8 | 0 | 8 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 2 |
| 3 | 0 | 3 | 1 | 0 | 9 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 3 |
| 3 | 0 | 3 | 6 | 0 | 9 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 1 | 2 |
| 12 | 0 | 12 | 17 | 0 | 20 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 0 |
| 3 | 0 | 3 | 7 | 0 | 8 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 1 |
| 4 | 0 | 4 | 10 | 0 | 15 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 2 |
| 4 | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 2 | 2 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 3 |
| 3 | 0 | 3 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 1 |
| 4 | 0 | 4 | 4 | 0 | 7 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 2 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 2 | 3 |
| 3 | 0 | 3 | 9 | 0 | 9 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 1 |
| 2 | 0 | 2 | 3 | 0 | 10 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 2 |
| 3 | 0 | 3 | 5 | 0 | 8 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 2 | 2 |
| 12 | 0 | 12 | 12 | 0 | 13 | 0 | 0 | 0 | 3 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 0 |
| 2 | 0 | 2 | 7 | 0 | 8 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 1 |
| 3 | 0 | 3 | 4 | 0 | 7 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 3 |
| 3 | 0 | 3 | 7 | 0 | 8 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 1 |
| 4 | 0 | 4 | 4 | 0 | 8 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 2 |
| 4 | 0 | 4 | 0 | 0 | 6 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 3 |
| 3 | 0 | 3 | 8 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 3 | 3 |
| 4 | 0 | 4 | 4 | 0 | 8 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 1 |
| 3 | 0 | 3 | 6 | 0 | 6 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 3 | 3 |
| 3 | 0 | 3 | 3 | 0 | 8 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 1 |
| 4 | 0 | 4 | 1 | 0 | 6 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 3 | 2 |
| 11 | 0 | 11 | 10 | 0 | 10 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 0 |
| 2 | 0 | 2 | 3 | 0 | 7 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 1 |
| 4 | 0 | 4 | 3 | 0 | 6 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 2 |
| 4 | 0 | 4 | 0 | 0 | 7 | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 3 |
| 5 | 0 | 5 | 8 | 0 | 9 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 1 |
| 2 | 0 | 2 | 5 | 0 | 7 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 2 |
| 3 | 0 | 3 | 3 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 3 |
| 4 | 0 | 4 | 0 | 0 | 5 | 2 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 4 |
| 4 | 0 | 4 | 11 | 0 | 12 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 1 |
| 2 | 0 | 2 | 7 | 0 | 7 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 2 |
| 3 | 0 | 3 | 3 | 0 | 3 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 3 |
| 3 | 0 | 3 | 2 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 4 |
| 4 | 0 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 2 |
| 4 | 1 | 5 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 4 | 3 |
| 4 | 0 | 4 | 5 | 0 | 7 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 1 |
| 2 | 0 | 2 | 4 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 2 |
| 3 | 0 | 3 | 0 | 0 | 5 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 3 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 1 | 1 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 4 | 3 |
| 8 | 0 | 8 | 15 | 0 | 18 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 0 |
| 2 | 0 | 2 | 6 | 0 | 9 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 1 |
| 3 | 0 | 3 | 4 | 0 | 6 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 3 |
| 5 | 0 | 5 | 6 | 0 | 9 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 5 | 2 |
| 3 | 0 | 3 | 9 | 0 | 10 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 1 |
| 2 | 0 | 2 | 4 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 3 |
| 3 | 0 | 3 | 0 | 0 | 4 | 0 | 0 | 1 | 2 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 5 | 4 |
| 9 | 0 | 9 | 12 | 0 | 15 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 0 |
| 3 | 0 | 3 | 6 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 1 |
| 5 | 0 | 5 | 5 | 0 | 8 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 2 |
| 4 | 0 | 4 | 0 | 0 | 6 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 3 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 1 |
| 4 | 0 | 4 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 1 |
| 4 | 0 | 4 | 6 | 0 | 7 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 2 |
| 3 | 0 | 3 | 4 | 0 | 6 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 3 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 6 | 4 |
| 3 | 0 | 3 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 6 | 1 |
| 7 | 0 | 7 | 7 | 0 | 8 | 0 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 7 | 0 |
| 2 | 0 | 2 | 9 | 0 | 9 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 7 | 1 |
| 3 | 0 | 3 | 5 | 0 | 9 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 7 | 2 |
| 4 | 0 | 4 | 0 | 0 | 6 | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 7 | 3 |
| 3 | 0 | 3 | 6 | 0 | 9 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 7 | 1 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 7 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 7 | 3 |
| 2 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 1 | 1 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 7 | 3 |
| 9 | 0 | 9 | 9 | 0 | 11 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 0 |
| 2 | 0 | 2 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 2 |
| 3 | 0 | 3 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 3 |
| 2 | 0 | 2 | 6 | 0 | 7 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 1 |
| 3 | 0 | 3 | 8 | 0 | 9 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 2 |
| 3 | 0 | 3 | 7 | 0 | 9 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 3 |
| 2 | 7 | 9 | 0 | 0 | NA | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Vegetative\_bud | Cir107 | Early-June | 8 | 4 |
| 2 | 0 | 2 | 9 | 0 | 9 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 1 |
| 3 | 0 | 3 | 6 | 0 | 9 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 2 |
| 4 | 0 | 4 | 6 | 0 | 6 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 3 |
| 3 | 0 | 3 | 0 | 0 | 6 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 4 |
| 2 | 0 | 2 | 4 | 0 | 6 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 8 | 2 |
| 3 | 0 | 3 | 0 | 0 | 6 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 8 | 3 |
| 10 | 0 | 10 | 17 | 0 | 23 | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 0 |
| 2 | 0 | 2 | 6 | 0 | 9 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 2 |
| 2 | 0 | 2 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 1 |
| 4 | 0 | 4 | 5 | 0 | 9 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 2 |
| 5 | 0 | 5 | 0 | 0 | 4 | 2 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 3 |
| 4 | 0 | 4 | 6 | 0 | 10 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 1 |
| 3 | 0 | 3 | 3 | 0 | 7 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 2 |
| 4 | 0 | 4 | 0 | 0 | 5 | 2 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 3 |
| 4 | 0 | 4 | 5 | 0 | 8 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Cir107 | Early-June | 9 | 2 |
| 5 | 0 | 5 | 7 | 0 | 9 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 1 |
| 2 | 0 | 2 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Cir107 | Early-June | 9 | 2 |
| 4 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-December | 1 | 0 |
| 3 | 2 | 5 | 0 | 0 | NA | 3 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 1 | 1 |
| 7 | 3 | 10 | 0 | 0 | NA | 1 | 1 | 5 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 2 | 0 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 2 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-December | 3 | 0 |
| 2 | 3 | 5 | 0 | 0 | NA | 2 | 2 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 3 | 1 |
| 4 | 4 | 8 | 0 | 0 | NA | 1 | 2 | 5 | 0 | Primary\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 4 | 0 |
| 6 | 3 | 9 | 0 | 0 | NA | 0 | 2 | 5 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 5 | 0 |
| 8 | 4 | 12 | 0 | 0 | NA | 4 | 1 | 4 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 6 | 0 |
| 8 | 3 | 11 | 0 | 0 | NA | 2 | 1 | 6 | 1 | Primary\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 7 | 0 |
| 5 | 2 | 7 | 0 | 0 | NA | 2 | 1 | 4 | 0 | Primary\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 8 | 0 |
| 7 | 4 | 11 | 0 | 0 | NA | 0 | 2 | 5 | 2 | Primary\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 9 | 0 |
| 3 | 2 | 5 | 0 | 0 | NA | 2 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-December | 9 | 1 |
| 10 | 0 | 10 | 0 | 0 | 10 | 0 | 1 | 6 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 1 | 0 |
| 10 | 0 | 10 | 0 | 0 | 8 | 0 | 0 | 8 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 2 | 0 |
| 8 | 0 | 8 | 0 | 0 | 8 | 0 | 0 | 8 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 3 | 0 |
| 8 | 1 | 9 | 0 | 0 | 9 | 0 | 0 | 6 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 4 | 0 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-Junuary | 4 | 1 |
| 5 | 0 | 5 | 0 | 0 | NA | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 5 | 0 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-Junuary | 5 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-Junuary | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 6 | 0 |
| 5 | 1 | 6 | 0 | 0 | 10 | 0 | 0 | 6 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 6 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 1 | 1 | 2 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-Junuary | 6 | 1 |
| 10 | 0 | 10 | 0 | 0 | 11 | 0 | 0 | 7 | 3 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 7 | 0 |
| 7 | 0 | 7 | 0 | 0 | 11 | 0 | 0 | 7 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 8 | 0 |
| 9 | 0 | 9 | 0 | 0 | 11 | 0 | 0 | 6 | 3 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-Junuary | 9 | 0 |
| 8 | 0 | 8 | 4 | 0 | 13 | 0 | 0 | 2 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 1 | 0 |
| 4 | 0 | 4 | 0 | 0 | 8 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 1 | 1 |
| 1 | 6 | 7 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-February | 1 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-February | 1 | 1 |
| 4 | 0 | 4 | 0 | 0 | 6 | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 1 | 1 |
| 3 | 0 | 3 | 0 | 0 | 8 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 1 | 1 |
| 9 | 0 | 9 | 3 | 0 | 12 | 1 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 2 | 0 |
| 4 | 0 | 4 | 7 | 0 | 7 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 2 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 2 | 1 |
| 7 | 0 | 7 | 10 | 0 | 16 | 0 | 0 | 5 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 3 | 0 |
| 3 | 0 | 3 | 1 | 0 | 4 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 3 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 3 | 1 |
| 12 | 0 | 12 | 5 | 0 | 13 | 3 | 0 | 4 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 4 | 0 |
| 2 | 1 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 4 | 1 |
| 2 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 4 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-February | 4 | 2 |
| 4 | 0 | 4 | 1 | 0 | 6 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 4 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-February | 4 | 2 |
| 2 | 0 | 2 | 0 | 0 | 9 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 4 | 1 |
| 9 | 0 | 9 | 4 | 0 | 15 | 0 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 5 | 0 |
| 3 | 1 | 4 | 0 | 0 | 6 | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 5 | 1 |
| 4 | 0 | 4 | 3 | 0 | 10 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 5 | 1 |
| 1 | 1 | 2 | 0 | 0 | 8 | 0 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 5 | 2 |
| 2 | 1 | 3 | 0 | 0 | 6 | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 6 | 0 |
| 4 | 0 | 4 | 5 | 0 | 11 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 6 | 1 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 6 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 6 | 1 |
| 9 | 0 | 9 | 4 | 0 | 12 | 0 | 0 | 2 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 7 | 0 |
| 2 | 2 | 4 | 0 | 0 | 7 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 7 | 1 |
| 4 | 0 | 4 | 0 | 0 | 7 | 1 | 0 | 3 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 7 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-February | 7 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-February | 7 | 1 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 7 | 1 |
| 8 | 0 | 8 | 4 | 0 | 12 | 0 | 0 | 4 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 8 | 0 |
| 3 | 1 | 4 | 0 | 0 | 8 | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 8 | 1 |
| 3 | 1 | 4 | 0 | 0 | 6 | 2 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 8 | 1 |
| 10 | 0 | 10 | 5 | 0 | 12 | 0 | 0 | 5 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 9 | 0 |
| 3 | 1 | 4 | 0 | 0 | 6 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 9 | 1 |
| 2 | 0 | 2 | 1 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 9 | 1 |
| 1 | 1 | 2 | 0 | 0 | NA | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Mid-February | 9 | 2 |
| 5 | 0 | 5 | 3 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 9 | 1 |
| 2 | 0 | 2 | 0 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 9 | 2 |
| 3 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Mid-February | 9 | 1 |
| 10 | 0 | 10 | 9 | 0 | 11 | 0 | 0 | 4 | 3 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 1 | 0 |
| 3 | 0 | 3 | 2 | 0 | 7 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 1 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 1 | 2 |
| 4 | 0 | 4 | 1 | 0 | 8 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 1 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 1 | 2 |
| 3 | 0 | 3 | 2 | 0 | 7 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 1 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 1 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 1 | 2 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 2 | 0 |
| 5 | 0 | 5 | 9 | 0 | 11 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 2 | 1 |
| 3 | 0 | 3 | 2 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 2 | 2 |
| 2 | 1 | 3 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 2 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 2 | 3 |
| 11 | 0 | 11 | 9 | 0 | 9 | 0 | 0 | 6 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 3 | 0 |
| 3 | 0 | 3 | 2 | 0 | 5 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 3 | 1 |
| 3 | 0 | 3 | 2 | 0 | 3 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 3 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 3 | 2 |
| 3 | 0 | 3 | 2 | 0 | 7 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 3 | 1 |
| 9 | 0 | 9 | 9 | 0 | 13 | 0 | 0 | 6 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 4 | 0 |
| 4 | 0 | 4 | 0 | 0 | 7 | 2 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 4 | 1 |
| 2 | 0 | 2 | 8 | 0 | 6 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 4 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 4 | 2 |
| 3 | 0 | 3 | 3 | 0 | 7 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 4 | 1 |
| 9 | 0 | 9 | 11 | 0 | 12 | 0 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 5 | 0 |
| 4 | 0 | 4 | 2 | 0 | 8 | 1 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 5 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 5 | 1 |
| 3 | 0 | 3 | 3 | 0 | 5 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 5 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 5 | 2 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 6 | 0 |
| 4 | 0 | 4 | 11 | 0 | 14 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 6 | 1 |
| 3 | 0 | 3 | 2 | 0 | 5 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 6 | 2 |
| 2 | 0 | 2 | 2 | 0 | 5 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 6 | 1 |
| 1 | 4 | 5 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 6 | 2 |
| 5 | 0 | 5 | 3 | 0 | 7 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 6 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 6 | 2 |
| 8 | 0 | 8 | 12 | 0 | 14 | 0 | 0 | 4 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 7 | 0 |
| 4 | 0 | 4 | 3 | 0 | 7 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 7 | 1 |
| 4 | 0 | 4 | 3 | 0 | 6 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 7 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 7 | 2 |
| 3 | 0 | 3 | 3 | 0 | 4 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 7 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 7 | 2 |
| 8 | 0 | 8 | 12 | 0 | 12 | 0 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 8 | 0 |
| 3 | 0 | 3 | 4 | 0 | 8 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 8 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 8 | 2 |
| 4 | 0 | 4 | 1 | 0 | 6 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 8 | 1 |
| 3 | 0 | 3 | 3 | 0 | 8 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 8 | 1 |
| 8 | 0 | 8 | 11 | 0 | 13 | 0 | 0 | 3 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 9 | 0 |
| 4 | 0 | 4 | 3 | 0 | 6 | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 9 | 1 |
| 4 | 0 | 4 | 0 | 0 | NA | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-March | 9 | 1 |
| 3 | 0 | 3 | 3 | 0 | 6 | 1 | 1 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-March | 9 | 1 |
| 6 | 0 | 6 | 12 | 0 | 12 | 0 | 0 | 2 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 1 | 0 |
| 3 | 0 | 3 | 9 | 0 | 10 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 1 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 1 | 2 |
| 3 | 0 | 3 | 12 | 0 | 12 | 0 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 1 | 1 |
| 2 | 0 | 2 | 8 | 0 | 9 | 0 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 1 | 2 |
| 2 | 1 | 3 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 1 | 3 |
| 3 | 0 | 3 | 8 | 0 | 8 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 1 | 1 |
| 1 | 3 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 1 | 2 |
| 8 | 0 | 8 | 11 | 0 | 11 | 1 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 2 | 0 |
| 4 | 0 | 4 | 6 | 0 | 6 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 2 | 1 |
| 2 | 1 | 3 | 0 | 0 | 4 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 2 | 2 |
| 4 | 0 | 4 | 6 | 0 | 6 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 2 | 1 |
| 3 | 2 | 5 | 0 | 0 | NA | 5 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 2 | 2 |
| 3 | 0 | 3 | 0 | 0 | 8 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 2 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 5 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 2 | 2 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 2 | 2 |
| 8 | 0 | 8 | 14 | 0 | 14 | 0 | 0 | 4 | 2 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 3 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 3 | 1 |
| 3 | 0 | 3 | 2 | 0 | 6 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 3 | 2 |
| 4 | 0 | 4 | 5 | 0 | 9 | 3 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 3 | 1 |
| 1 | 2 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 3 | 2 |
| 7 | 0 | 7 | 0 | 0 | 6 | 0 | 0 | 2 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 4 | 0 |
| 3 | 0 | 3 | 0 | 0 | 8 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 4 | 1 |
| 2 | 0 | 2 | 2 | 0 | 6 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 4 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 4 | 3 |
| 4 | 0 | 4 | 6 | 0 | 8 | 0 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 4 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 4 | 2 |
| 1 | 2 | 3 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 4 | 2 |
| 3 | 0 | 3 | 7 | 0 | 9 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 4 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 4 | 2 |
| 11 | 0 | 11 | 10 | 0 | 10 | 0 | 0 | 3 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 5 | 0 |
| 3 | 0 | 3 | 6 | 0 | 6 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 5 | 1 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 5 | 2 |
| 3 | 0 | 3 | 0 | 0 | 9 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 5 | 1 |
| 3 | 0 | 3 | 2 | 0 | 4 | 0 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 5 | 2 |
| 3 | 0 | 3 | 7 | 0 | 8 | 1 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 5 | 1 |
| 2 | 1 | 3 | 0 | 0 | 7 | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 5 | 2 |
| 6 | 0 | 6 | 0 | 0 | 11 | 0 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 6 | 0 |
| 3 | 0 | 3 | 6 | 0 | 6 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 6 | 1 |
| 1 | 1 | 2 | 0 | 0 | 7 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 6 | 2 |
| 3 | 0 | 3 | 9 | 0 | 9 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 6 | 1 |
| 2 | 0 | 2 | 6 | 0 | 8 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 6 | 2 |
| 2 | 1 | 3 | 0 | 0 | 4 | 0 | 2 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 6 | 3 |
| 2 | 1 | 3 | 0 | 0 | NA | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 6 | 2 |
| 3 | 0 | 3 | 7 | 0 | 9 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 6 | 1 |
| 2 | 1 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 6 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 6 | 2 |
| 8 | 0 | 8 | 11 | 0 | 11 | 0 | 0 | 3 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 7 | 0 |
| 4 | 0 | 4 | 7 | 0 | 7 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 7 | 1 |
| 3 | 1 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 7 | 2 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | NA | Ciflorette | Early-April | 7 | 1 |
| 1 | 0 | 1 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | NA | Ciflorette | Early-April | 7 | 1 |
| 2 | 0 | 2 | 9 | 0 | 9 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 7 | 1 |
| 3 | 0 | 3 | 1 | 0 | 4 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 7 | 2 |
| 3 | 0 | 3 | 0 | 0 | 8 | 2 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 7 | 2 |
| 8 | 0 | 8 | 12 | 0 | 12 | 0 | 0 | 2 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 8 | 0 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | NA | 2 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 8 | 2 |
| 2 | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 8 | 1 |
| 4 | 0 | 4 | 5 | 0 | 6 | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 8 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 4 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 8 | 2 |
| 1 | 4 | 5 | 0 | 0 | NA | 2 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 8 | 2 |
| 2 | 0 | 2 | 0 | 0 | NA | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 8 | 1 |
| 3 | 0 | 3 | 0 | 0 | 6 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 8 | 1 |
| 2 | 3 | 5 | 0 | 0 | NA | 4 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 8 | 2 |
| 4 | 0 | 4 | 11 | 0 | 11 | 0 | 0 | 3 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 9 | 0 |
| 3 | 0 | 3 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-April | 9 | 1 |
| 2 | 2 | 4 | 0 | 0 | NA | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-April | 9 | 2 |
| 10 | 0 | 10 | 8 | 0 | 8 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 1 |
| 3 | 0 | 3 | 7 | 0 | 7 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 3 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 3 |
| 2 | 4 | 6 | 0 | 0 | NA | 0 | 0 | 0 | 4 | Extention\_Crown | Terminal\_Vegetative\_bud | Ciflorette | Early-June | 1 | 4 |
| 4 | 0 | 4 | 7 | 0 | 7 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 1 |
| 4 | 0 | 4 | 6 | 0 | 6 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 3 |
| 2 | 0 | 2 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 4 |
| 3 | 0 | 3 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 2 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 3 |
| 2 | 1 | 3 | 0 | 0 | 7 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 4 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 1 |
| 5 | 0 | 5 | 4 | 0 | 6 | 1 | 1 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 2 |
| 2 | 0 | 2 | 2 | 0 | 12 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 3 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 1 |
| 5 | 0 | 5 | 4 | 0 | 4 | 0 | 0 | 4 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 2 |
| 3 | 0 | 3 | 5 | 0 | 7 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 3 |
| 4 | 0 | 4 | 3 | 0 | 3 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 2 |
| 3 | 0 | 3 | 2 | 0 | 4 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 1 | 3 |
| 3 | 0 | 3 | 0 | 0 | NA | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 0 |
| 3 | 0 | 3 | 7 | 0 | 7 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 1 |
| 3 | 0 | 3 | 6 | 0 | 6 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 2 |
| 3 | 0 | 3 | 8 | 0 | 8 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 3 |
| 3 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 4 |
| 1 | 5 | 6 | 0 | 0 | NA | 0 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Vegetative\_bud | Ciflorette | Early-June | 2 | 5 |
| 5 | 0 | 5 | 10 | 0 | 10 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 1 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 2 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 3 |
| 3 | 0 | 3 | 6 | 0 | 6 | 2 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 2 | 4 |
| 1 | 5 | 6 | 0 | 0 | NA | 0 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Vegetative\_bud | Ciflorette | Early-June | 2 | 5 |
| 9 | 0 | 9 | 16 | 0 | 16 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 0 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 1 |
| 4 | 0 | 4 | 6 | 0 | 6 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 2 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 3 |
| 3 | 0 | 3 | 4 | 0 | 6 | 0 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 4 |
| 1 | 1 | 2 | 0 | 0 | 9 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 5 |
| 3 | 0 | 3 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 1 |
| 2 | 0 | 2 | 4 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 2 |
| 4 | 0 | 4 | 4 | 0 | 4 | 1 | 1 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 3 |
| 2 | 5 | 7 | 0 | 0 | NA | 0 | 0 | 0 | 3 | Extention\_Crown | Terminal\_initiated\_bud | Ciflorette | Early-June | 3 | 4 |
| 3 | 0 | 3 | 6 | 0 | 6 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 1 |
| 5 | 0 | 5 | 6 | 0 | 8 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 2 |
| 2 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 3 |
| 2 | 0 | 2 | 0 | 0 | 7 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 3 | 4 |
| 3 | 0 | 3 | 10 | 0 | 10 | 0 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 4 | 0 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 4 | 1 |
| 3 | 0 | 3 | 6 | 0 | 9 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 4 | 2 |
| 4 | 0 | 4 | 5 | 0 | 5 | 1 | 2 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 4 | 3 |
| 3 | 0 | 3 | 4 | 0 | 4 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 4 | 1 |
| 8 | 0 | 8 | 11 | 0 | 11 | 0 | 0 | 1 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 1 |
| 3 | 1 | 4 | 4 | 0 | 4 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 2 |
| 2 | 0 | 2 | 4 | 0 | 5 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 3 |
| 1 | 5 | 6 | 0 | 0 | NA | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Vegetative\_bud | Ciflorette | Early-June | 5 | 4 |
| 3 | 0 | 3 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 1 |
| 5 | 0 | 5 | 5 | 0 | 5 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 2 |
| 2 | 0 | 2 | 8 | 0 | 8 | 0 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 3 |
| 2 | 1 | 3 | 0 | 0 | 8 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 4 |
| 2 | 0 | 2 | 7 | 0 | 8 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 2 |
| 2 | 1 | 3 | 1 | 0 | 5 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 5 | 3 |
| 4 | 0 | 4 | 11 | 0 | 11 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 0 |
| 3 | 0 | 3 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 1 |
| 4 | 0 | 4 | 5 | 0 | 5 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 2 |
| 3 | 0 | 3 | 4 | 0 | 6 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 3 |
| 2 | 0 | 2 | 0 | 0 | 7 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 4 |
| 4 | 0 | 4 | 6 | 0 | 7 | 1 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 1 |
| 5 | 0 | 5 | 5 | 0 | 5 | 2 | 1 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 2 |
| 4 | 0 | 4 | 2 | 0 | 7 | 2 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 3 |
| 4 | 0 | 4 | 8 | 0 | 8 | 1 | 0 | 2 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 2 |
| 3 | 0 | 3 | 0 | 0 | 7 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 6 | 3 |
| 7 | 0 | 7 | 10 | 0 | 10 | 0 | 0 | 0 | 1 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 0 |
| 3 | 0 | 3 | 7 | 0 | 10 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 1 |
| 4 | 0 | 4 | 7 | 0 | 7 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 2 |
| 2 | 0 | 2 | 6 | 0 | 7 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 3 |
| 4 | 0 | 4 | 3 | 0 | 6 | 1 | 0 | 1 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 4 |
| 2 | 0 | 2 | 4 | 0 | 4 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 1 |
| 5 | 0 | 5 | 9 | 0 | 9 | 3 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 2 |
| 2 | 0 | 2 | 9 | 0 | 9 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 3 |
| 2 | 0 | 2 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 1 |
| 4 | 0 | 4 | 8 | 0 | 8 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 2 |
| 3 | 0 | 3 | 5 | 0 | 5 | 2 | 0 | 0 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 3 |
| 2 | 2 | 4 | 0 | 0 | 9 | 1 | 1 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 4 |
| 2 | 1 | 3 | 0 | 0 | 5 | 2 | 1 | 0 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 7 | 2 |
| 4 | 0 | 4 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 0 |
| 2 | 0 | 2 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 1 |
| 5 | 0 | 5 | 7 | 0 | 7 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 2 |
| 3 | 0 | 3 | 6 | 0 | 6 | 0 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 3 |
| 2 | 1 | 3 | 0 | 0 | 6 | 0 | 1 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 4 |
| 2 | 0 | 2 | 7 | 0 | 7 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 1 |
| 3 | 0 | 3 | 8 | 0 | 8 | 0 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 2 |
| 3 | 0 | 3 | 6 | 0 | 6 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 3 |
| 1 | 4 | 5 | 0 | 0 | NA | 0 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Vegetative\_bud | Ciflorette | Early-June | 8 | 4 |
| 4 | 0 | 4 | 6 | 0 | 6 | 0 | 1 | 1 | 2 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 8 | 3 |
| 7 | 0 | 7 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | Primary\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 0 |
| 3 | 0 | 3 | 6 | 0 | 6 | 0 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 1 |
| 4 | 0 | 4 | 5 | 0 | 5 | 0 | 0 | 3 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 2 |
| 3 | 0 | 3 | 5 | 0 | 5 | 0 | 0 | 1 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 3 |
| 1 | 1 | 2 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 4 |
| 3 | 0 | 3 | 6 | 0 | 6 | 0 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 1 |
| 4 | 0 | 4 | 4 | 0 | 4 | 1 | 0 | 2 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 2 |
| 2 | 2 | 4 | 0 | 0 | NA | 1 | 0 | 0 | 3 | Extention\_Crown | Terminal\_Floral\_bud | Ciflorette | Early-June | 9 | 3 |
| 3 | 0 | 3 | 6 | 0 | 6 | 1 | 0 | 1 | 0 | Branch\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 2 |
| 3 | 0 | 3 | 7 | 0 | 7 | 1 | 0 | 1 | 0 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 3 |
| 2 | 1 | 3 | 0 | 0 | 7 | 1 | 0 | 0 | 2 | Extention\_Crown | Terminal\_Inflorescence | Ciflorette | Early-June | 9 | 4 |

# Exploratory analysis

## At plant scale

## At module scale

### Extraction of data at module scale

data\_at\_module\_scale<-ddply(.data = dat,  
 .variables = c("genotype","Index"),  
 summarise,  
 MeanTotalLeave= mean(x = nb\_total\_leaves,  
 na.rm = T),  
 SdTotalLeave= sd(x = nb\_total\_leaves,  
 na.rm = T),  
 MeanTotalFlower= mean(x = nb\_total\_flowers,  
 na.rm = T),  
 SdTotalFlower= sd(x = nb\_total\_flowers,  
 na.rm = T),  
 MeanStolon= mean(x = stolons,  
 na.rm = T),  
 SdStolon= sd(x = stolons,  
 na.rm = T),  
 N=length(nb\_total\_leaves))  
  
kable(x = data\_at\_module\_scale,  
 digits = 2,  
 caption = " Data at module scale")

Data at module scale

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genotype | Index | MeanTotalLeave | SdTotalLeave | MeanTotalFlower | SdTotalFlower | MeanStolon | SdStolon | N |
| Gariguette | 0 | 10.43 | 2.35 | 18.71 | 3.70 | 0.67 | 0.75 | 54 |
| Gariguette | 1 | 3.28 | 1.28 | 8.20 | 3.25 | 0.00 | 0.00 | 94 |
| Gariguette | 2 | 3.66 | 1.55 | 6.85 | 2.41 | 0.10 | 0.65 | 62 |
| Gariguette | 3 | 2.81 | 0.51 | 6.08 | 1.61 | 0.29 | 0.56 | 21 |
| Gariguette | 4 | 2.78 | 0.44 | 5.11 | 1.17 | 1.11 | 0.78 | 9 |
| Gariguette | 5 | 3.00 | NA | 7.00 | NA | 2.00 | NA | 1 |
| Ciflorette | 0 | 7.63 | 2.57 | 10.95 | 2.76 | 1.09 | 0.96 | 54 |
| Ciflorette | 1 | 3.33 | 0.90 | 6.66 | 2.06 | 0.00 | 0.00 | 115 |
| Ciflorette | 2 | 3.60 | 1.01 | 5.95 | 1.64 | 0.00 | 0.00 | 78 |
| Ciflorette | 3 | 2.94 | 0.63 | 5.89 | 1.85 | 0.87 | 0.85 | 31 |
| Ciflorette | 4 | 3.59 | 1.54 | 6.54 | 1.20 | 1.88 | 0.78 | 17 |
| Ciflorette | 5 | 4.67 | 2.31 | 9.00 | NA | 1.33 | 0.58 | 3 |
| Clery | 0 | 8.33 | 2.97 | 13.71 | 3.34 | 1.65 | 1.25 | 54 |
| Clery | 1 | 3.09 | 1.04 | 6.34 | 2.13 | 0.01 | 0.10 | 98 |
| Clery | 2 | 3.46 | 0.78 | 4.24 | 1.46 | 0.10 | 0.35 | 63 |
| Clery | 3 | 2.94 | 0.65 | 4.35 | 1.30 | 0.38 | 0.70 | 34 |
| Clery | 4 | 2.86 | 0.77 | 3.89 | 1.17 | 0.79 | 0.70 | 14 |
| Capriss | 0 | 10.35 | 1.82 | 11.92 | 2.87 | 1.96 | 0.97 | 54 |
| Capriss | 1 | 3.43 | 1.04 | 4.28 | 1.28 | 0.00 | 0.00 | 190 |
| Capriss | 2 | 3.86 | 0.94 | 3.71 | 1.23 | 0.01 | 0.10 | 102 |
| Capriss | 3 | 2.97 | 0.71 | 3.45 | 0.74 | 0.19 | 0.40 | 31 |
| Capriss | 4 | 2.50 | 1.00 | 2.00 | 0.00 | 0.25 | 0.50 | 4 |
| Darselect | 0 | 6.11 | 2.29 | 10.50 | 4.77 | 0.94 | 1.11 | 54 |
| Darselect | 1 | 3.34 | 1.08 | 7.69 | 3.03 | 0.01 | 0.11 | 87 |
| Darselect | 2 | 2.84 | 0.96 | 5.09 | 1.27 | 0.09 | 0.34 | 57 |
| Darselect | 3 | 2.56 | 0.68 | 5.00 | 0.79 | 0.23 | 0.48 | 39 |
| Darselect | 4 | 3.00 | 2.07 | 4.33 | 0.82 | 0.62 | 1.06 | 8 |
| Darselect | 5 | 2.00 | NA | 5.00 | NA | 1.00 | NA | 1 |
| Cir107 | 0 | 9.63 | 3.29 | 16.00 | 4.20 | 1.83 | 1.33 | 54 |
| Cir107 | 1 | 3.75 | 1.61 | 8.98 | 3.46 | 0.03 | 0.25 | 154 |
| Cir107 | 2 | 3.02 | 0.94 | 6.90 | 1.90 | 0.00 | 0.00 | 110 |
| Cir107 | 3 | 3.27 | 0.71 | 5.44 | 1.50 | 0.29 | 0.56 | 41 |
| Cir107 | 4 | 3.88 | 2.10 | 5.17 | 0.98 | 1.00 | 0.76 | 8 |

### Number of Module for successive orders

tab1<- fc\_dist\_module\_by\_order(data = dat,  
 index = "Index")  
  
kable(x = tab1,  
 caption = "No. Module by varieties for successive orders "  
 )

No. Module by varieties for successive orders

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | 5 | Frequency |
| Gariguette | 54 | 94 | 62 | 21 | 9 | 1 | 241 |
| Ciflorette | 54 | 115 | 78 | 31 | 17 | 3 | 298 |
| Clery | 54 | 98 | 63 | 34 | 14 | 0 | 263 |
| Capriss | 54 | 190 | 102 | 31 | 4 | 0 | 381 |
| Darselect | 54 | 87 | 57 | 39 | 8 | 1 | 246 |
| Cir107 | 54 | 154 | 110 | 41 | 8 | 0 | 367 |
| Frequency | 324 | 738 | 472 | 197 | 60 | 5 | 1796 |

### Occurence of the higher order along time

* **Table of distribution of higher order along time**

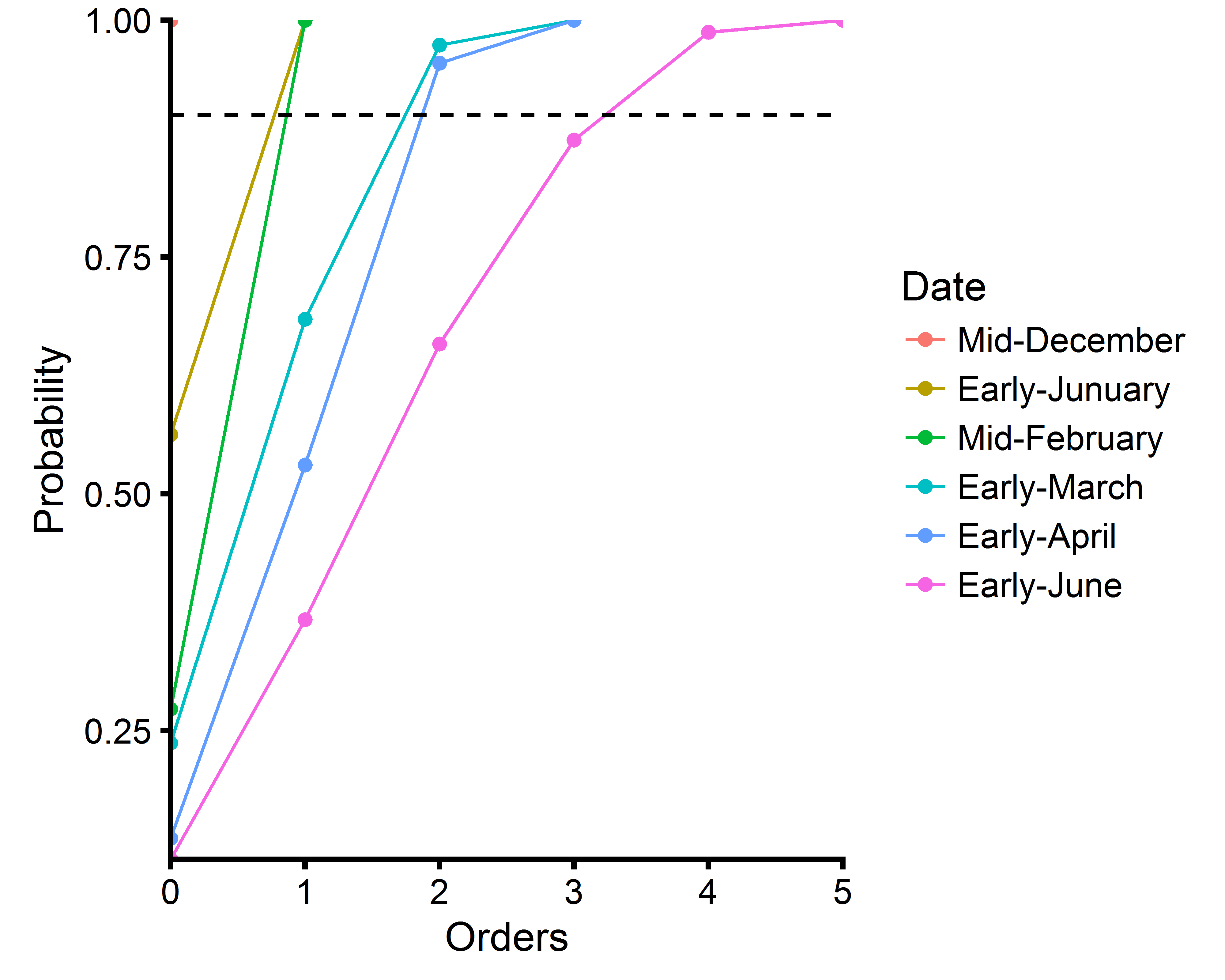
tab2<- fc\_dist\_order\_by\_date(data = dat,  
 genotype = "Gariguette",  
 prob = "cumulative")  
kable(x = tab2,  
 digits = 2,  
 caption = "Module order frequency distribution for successive date")

Module order frequency distribution for successive date

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Mid-December | Early-Junuary | Mid-February | Early-March | Early-April | Early-June |
| 0 | 1 | 0.56 | 0.27 | 0.24 | 0.14 | 0.11 |
| 1 | NA | 1.00 | 1.00 | 0.68 | 0.53 | 0.37 |
| 2 | NA | NA | NA | 0.97 | 0.95 | 0.66 |
| 3 | NA | NA | NA | 1.00 | 1.00 | 0.87 |
| 4 | NA | NA | NA | NA | NA | 0.99 |
| 5 | NA | NA | NA | NA | NA | 1.00 |

* **Plot visualization of distribution of higher order along time**

fc\_dist\_order\_by\_date.plot(data=tab2)+  
 geom\_hline(yintercept = 0.9,  
 linetype="dashed")



Module order frequency distribution for successive date

### Analysis of quantitative variable function of successive orders

In the following architectural analyses, we chose to group the highest-order modules because of the small sample size (cf. tables 1: No. Module by varieties for successive orders).

For this, we used a recursive pooling of samples from the highest order downward if sample size =< 8

* **Build data according group**

dat\_group<-data[2:colend]  
  
for (i in 1:nrow(data)){  
 if( dat\_group[i,"genotype"]=="Capriss"){  
 if (data[i,'Index']=="0"){   
 dat\_group[i,"Index"]<- 0  
 }else if (data[i,'Index']=="0-1"){  
 dat\_group[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2"){  
 dat\_group[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="0-1-2-3-4"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="0-1-2-3-4-5"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="1"){  
 dat\_group[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2"){  
 dat\_group[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="1-2-3-4"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="1-2-3-4-5"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="2"){  
 dat\_group[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2-3"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="2-3-4"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="3"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="3-4"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="4"){  
 dat\_group[i,"Index"]<- 3  
 }  
 }else  
 if (data[i,'Index']=="0"){   
 dat\_group[i,"Index"]<- 0  
 }else if (data[i,'Index']=="0-1"){  
 dat\_group[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2"){  
 dat\_group[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="0-1-2-3-4"){  
 dat\_group[i,"Index"]<- 4  
 }else if (data[i,'Index']=="0-1-2-3-4-5"){  
 dat\_group[i,"Index"]<- 4  
 }else if (data[i,'Index']=="1"){  
 dat\_group[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2"){  
 dat\_group[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="1-2-3-4"){  
 dat\_group[i,"Index"]<- 4  
 }else if (data[i,'Index']=="1-2-3-4-5"){  
 dat\_group[i,"Index"]<- 4  
 }else if (data[i,'Index']=="2"){  
 dat\_group[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2-3"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="2-3-4"){  
 dat\_group[i,"Index"]<- 4  
 }else if (data[i,'Index']=="3"){  
 dat\_group[i,"Index"]<- 3  
 }else if (data[i,'Index']=="3-4"){  
 dat\_group[i,"Index"]<- 4  
 }else if (data[i,'Index']=="4"){  
 dat\_group[i,"Index"]<- 4  
 }  
}  
  
#Remplacer les valeurs 0 dans la colone total flowers par NA  
dat\_group$nb\_total\_flowers[dat\_group$nb\_total\_flowers==0]<-NA  
  
dat\_group$Index<-as.factor(dat\_group$Index)

* **check that the modules have been well grouped**

tab3<- fc\_dist\_module\_by\_order(data = dat\_group,  
 index = "Index")  
  
kable(x = tab3,  
 caption = "Number of modules for each successive orders after grouping for each varieties")

Number of modules for each successive orders after grouping for each varieties

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | Frequency |
| Gariguette | 54 | 94 | 62 | 21 | 10 | 241 |
| Ciflorette | 54 | 115 | 78 | 31 | 20 | 298 |
| Clery | 54 | 98 | 63 | 34 | 14 | 263 |
| Capriss | 54 | 190 | 102 | 35 | 0 | 381 |
| Darselect | 54 | 87 | 57 | 39 | 9 | 246 |
| Cir107 | 54 | 154 | 110 | 41 | 8 | 367 |
| Frequency | 324 | 738 | 472 | 201 | 61 | 1796 |

**Hint:** Compare tab4 with tab1

#### Data at module scale after grouping

data\_at\_module\_scale\_group<-ddply(.data = dat\_group,  
 .variables = c("genotype","Index"),  
 summarise,  
 MeanTotalLeave= mean(x = nb\_total\_leaves,  
 na.rm = T),  
 SdTotalLeave= sd(x = nb\_total\_leaves,  
 na.rm = T),  
 MeanTotalFlower= mean(x = nb\_total\_flowers,  
 na.rm = T),  
 SdTotalFlower= sd(x = nb\_total\_flowers,  
 na.rm = T),  
 MeanStolon= mean(x = stolons,  
 na.rm = T),  
 SdStolon= sd(x = stolons,  
 na.rm = T),  
 N=length(nb\_total\_leaves))  
  
kable(x = data\_at\_module\_scale\_group,  
 digits = 2,  
 caption = " Data at module scale after grouping")

Data at module scale after grouping

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genotype | Index | MeanTotalLeave | SdTotalLeave | MeanTotalFlower | SdTotalFlower | MeanStolon | SdStolon | N |
| Gariguette | 0 | 10.43 | 2.35 | 18.71 | 3.70 | 0.67 | 0.75 | 54 |
| Gariguette | 1 | 3.28 | 1.28 | 8.20 | 3.25 | 0.00 | 0.00 | 94 |
| Gariguette | 2 | 3.66 | 1.55 | 6.85 | 2.41 | 0.10 | 0.65 | 62 |
| Gariguette | 3 | 2.81 | 0.51 | 6.08 | 1.61 | 0.29 | 0.56 | 21 |
| Gariguette | 4 | 2.80 | 0.42 | 5.30 | 1.25 | 1.20 | 0.79 | 10 |
| Ciflorette | 0 | 7.63 | 2.57 | 10.95 | 2.76 | 1.09 | 0.96 | 54 |
| Ciflorette | 1 | 3.33 | 0.90 | 6.66 | 2.06 | 0.00 | 0.00 | 115 |
| Ciflorette | 2 | 3.60 | 1.01 | 5.95 | 1.64 | 0.00 | 0.00 | 78 |
| Ciflorette | 3 | 2.94 | 0.63 | 5.89 | 1.85 | 0.87 | 0.85 | 31 |
| Ciflorette | 4 | 3.75 | 1.65 | 6.71 | 1.33 | 1.80 | 0.77 | 20 |
| Clery | 0 | 8.33 | 2.97 | 13.71 | 3.34 | 1.65 | 1.25 | 54 |
| Clery | 1 | 3.09 | 1.04 | 6.34 | 2.13 | 0.01 | 0.10 | 98 |
| Clery | 2 | 3.46 | 0.78 | 4.24 | 1.46 | 0.10 | 0.35 | 63 |
| Clery | 3 | 2.94 | 0.65 | 4.35 | 1.30 | 0.38 | 0.70 | 34 |
| Clery | 4 | 2.86 | 0.77 | 3.89 | 1.17 | 0.79 | 0.70 | 14 |
| Capriss | 0 | 10.35 | 1.82 | 11.92 | 2.87 | 1.96 | 0.97 | 54 |
| Capriss | 1 | 3.43 | 1.04 | 4.28 | 1.28 | 0.00 | 0.00 | 190 |
| Capriss | 2 | 3.86 | 0.94 | 3.71 | 1.23 | 0.01 | 0.10 | 102 |
| Capriss | 3 | 2.91 | 0.74 | 3.33 | 0.82 | 0.20 | 0.41 | 35 |
| Darselect | 0 | 6.11 | 2.29 | 10.50 | 4.77 | 0.94 | 1.11 | 54 |
| Darselect | 1 | 3.34 | 1.08 | 7.69 | 3.03 | 0.01 | 0.11 | 87 |
| Darselect | 2 | 2.84 | 0.96 | 5.09 | 1.27 | 0.09 | 0.34 | 57 |
| Darselect | 3 | 2.56 | 0.68 | 5.00 | 0.79 | 0.23 | 0.48 | 39 |
| Darselect | 4 | 2.89 | 1.96 | 4.43 | 0.79 | 0.67 | 1.00 | 9 |
| Cir107 | 0 | 9.63 | 3.29 | 16.00 | 4.20 | 1.83 | 1.33 | 54 |
| Cir107 | 1 | 3.75 | 1.61 | 8.98 | 3.46 | 0.03 | 0.25 | 154 |
| Cir107 | 2 | 3.02 | 0.94 | 6.90 | 1.90 | 0.00 | 0.00 | 110 |
| Cir107 | 3 | 3.27 | 0.71 | 5.44 | 1.50 | 0.29 | 0.56 | 41 |
| Cir107 | 4 | 3.88 | 2.10 | 5.17 | 0.98 | 1.00 | 0.76 | 8 |

#### No. leaves fonction of successive module order

##### Cumulative distribution of no. leaves for each module orders

* **Table of distribution of one varname according to module orders**

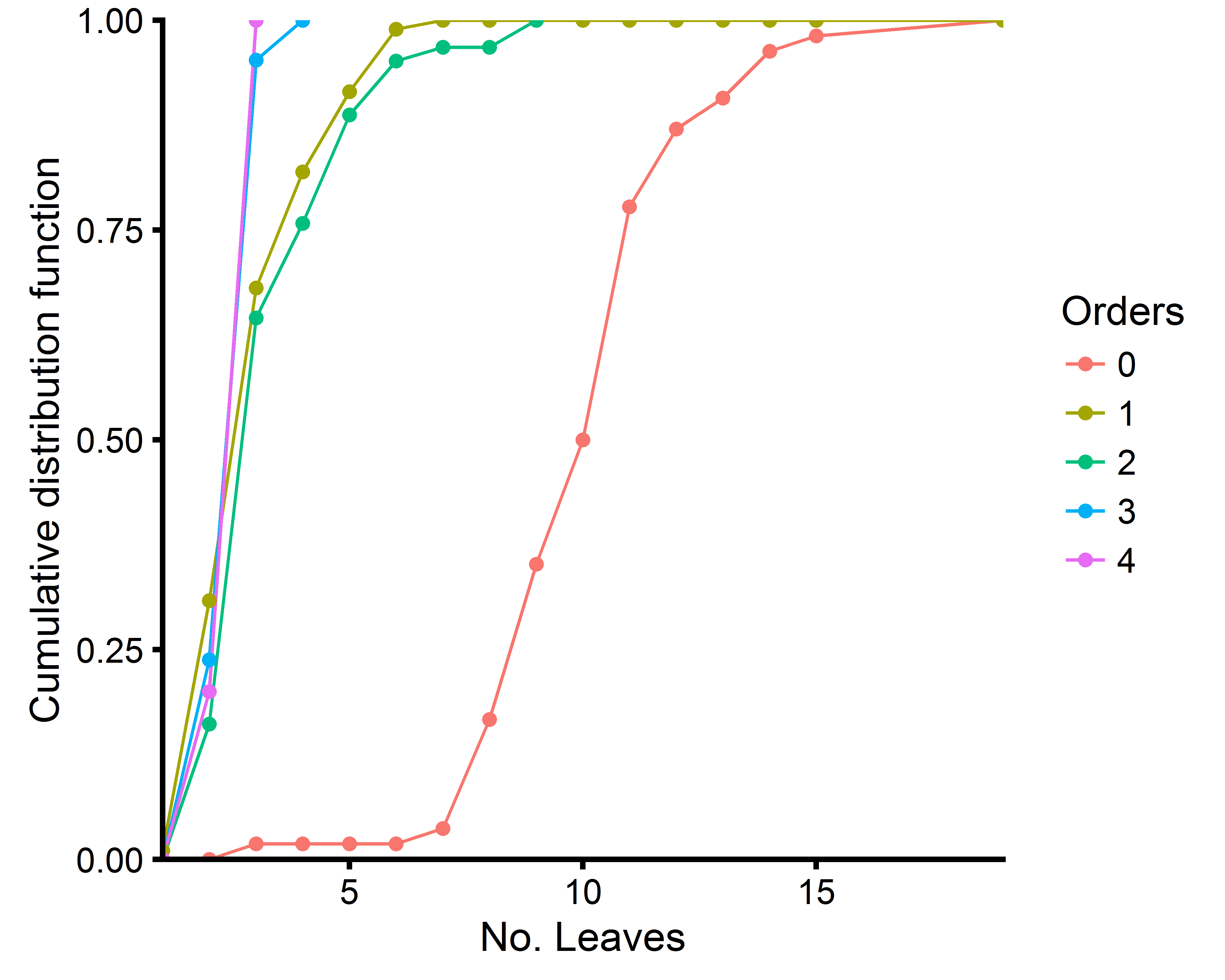
tab4<-fc\_dist\_variable\_by\_order(data = dat\_group,  
 genotype = "Gariguette",  
 varname = "nb\_total\_leaves",  
 prob = "cumulative")  
  
kable(x = tab4,  
 digits = 2,  
 caption = "Cumulative distribution of total no. leaves by orders for Gariguette")

Cumulative distribution of total no. leaves by orders for Gariguette

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 |
| 1 | 0.00 | 0.01 | 0.00 | 0.00 | 0.0 |
| 2 | 0.00 | 0.31 | 0.16 | 0.24 | 0.2 |
| 3 | 0.02 | 0.68 | 0.65 | 0.95 | 1.0 |
| 4 | 0.02 | 0.82 | 0.76 | 1.00 | NA |
| 5 | 0.02 | 0.91 | 0.89 | NA | NA |
| 6 | 0.02 | 0.99 | 0.95 | NA | NA |
| 7 | 0.04 | 1.00 | 0.97 | NA | NA |
| 8 | 0.17 | 1.00 | 0.97 | NA | NA |
| 9 | 0.35 | 1.00 | 1.00 | NA | NA |
| 10 | 0.50 | 1.00 | NA | NA | NA |
| 11 | 0.78 | 1.00 | NA | NA | NA |
| 12 | 0.87 | 1.00 | NA | NA | NA |
| 13 | 0.91 | 1.00 | NA | NA | NA |
| 14 | 0.96 | 1.00 | NA | NA | NA |
| 15 | 0.98 | 1.00 | NA | NA | NA |
| 19 | 1.00 | 1.00 | NA | NA | NA |

* **Visualization of distribution of varname for each module orders**

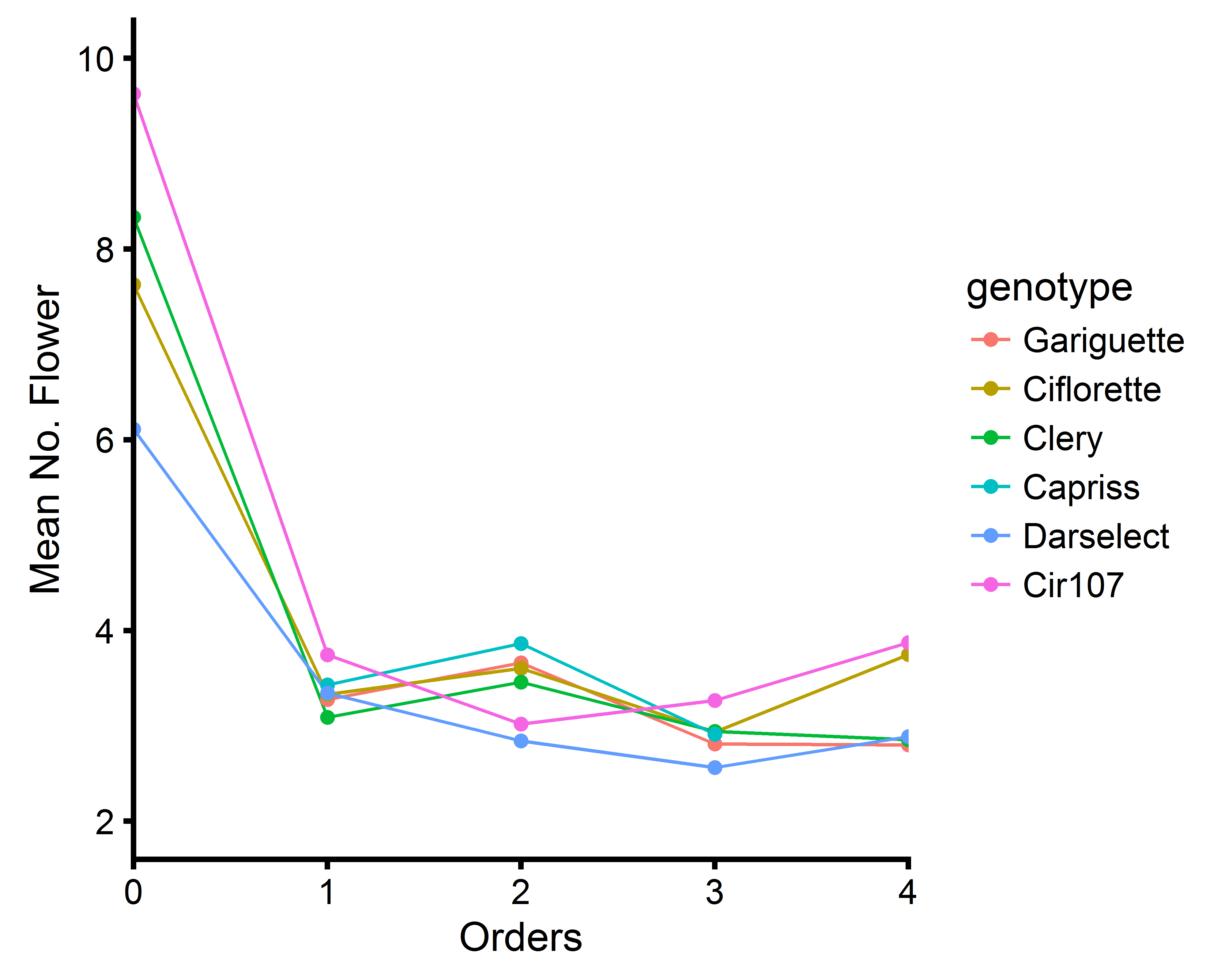
fc\_dist\_variable\_by\_order.plot(data = tab4)+  
 xlab("No. Leaves")+  
 ylab("Cumulative distribution function")



Plot distribution of leaves for each module orders and for Gariguette

##### Pointwise Mean of No.leaves of modules for successive orders for each varieties

fc\_pointwise\_mean\_variable\_by\_order(data = data\_at\_module\_scale\_group,  
 varname = "MeanTotalLeave")+  
 ylab("Mean No. Flower")+  
 ylim(2,10)



Pointwise Mean of No. leaves of modules for successive orders for each variety after grouping

##### Comparison of No. leaves for successive orders

Because pointwise of the mean no.leaves and mean no.flowers seems roughly constant for each varieties. In order to compare varieties we used trend linear regression, in particular we test the zero value of the slope parameter.

* **Identification from wich module variable was roughly constant for each varieties**
* *From Order 0*

Gariguette<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Gariguette",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Clery<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Clery",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Capriss<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Capriss",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Ciflorette<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Ciflorette",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Cir107<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Cir107",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Darselect<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Darselect",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
tab5<- merge(x = Gariguette,  
 y = Clery,  
 all=T)  
  
tab5<- merge(x = tab5,  
 y = Capriss,   
 all=T)  
  
tab5<- merge(x = tab5,  
 y = Ciflorette,   
 all=T)  
  
tab5<- merge(x = tab5,  
 y = Cir107,   
 all=T)  
  
tab5<- merge(x = tab5,  
 y = Darselect,  
 all=T)  
  
kable(x = tab5,  
 digits = 2,  
 caption = "Linear trend for no.leaves (estimate slope and 95% confidence interval -IC95%-) from order 0 onwards")

Linear trend for no.leaves (estimate slope and 95% confidence interval -IC95%-) from order 0 onwards

|  |  |  |  |
| --- | --- | --- | --- |
| Genotype | Slope | IC\_lower | IC\_upper |
| Capriss | -1.89 | -2.15 | -1.62 |
| Ciflorette | -0.91 | -1.11 | -0.71 |
| Cir107 | -1.62 | -1.87 | -1.36 |
| Clery | -1.28 | -1.52 | -1.04 |
| Darselect | -0.96 | -1.14 | -0.78 |
| Gariguette | -2.00 | -2.32 | -1.68 |

* *From Order 1*

dat\_group\_from\_Order1<-dat\_group[!dat\_group[,'Index']=="0",]  
  
Gariguette<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Gariguette",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Clery<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Clery",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Capriss<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Capriss",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Ciflorette<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Ciflorette",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Cir107<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Cir107",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
Darselect<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Darselect",  
 variable = "nb\_total\_leaves",  
 Index = "Index")  
  
tab6<- merge(x = Gariguette,  
 y = Clery,  
 all=T)  
  
tab6<- merge(x = tab6,  
 y = Capriss,  
 all=T)  
  
tab6<- merge(x = tab6,  
 y = Ciflorette,  
 all=T)  
  
tab6<- merge(x = tab6,  
 y = Cir107,  
 all=T)  
  
tab6<- merge(x = tab6,  
 y = Darselect,   
 all=T)  
  
kable(x = tab6,  
 digits = 2,  
 caption = "Linear trend for no.leaves (estimate slope and 95% confidence interval -IC95%-) for the first-order module onwards ")

Linear trend for no.leaves (estimate slope and 95% confidence interval -IC95%-) for the first-order module onwards

|  |  |  |  |
| --- | --- | --- | --- |
| Genotype | Slope | IC\_lower | IC\_upper |
| Capriss | -0.04 | -0.20 | 0.12 |
| Ciflorette | 0.04 | -0.10 | 0.17 |
| Cir107 | -0.24 | -0.43 | -0.05 |
| Clery | -0.05 | -0.18 | 0.08 |
| Darselect | -0.31 | -0.47 | -0.15 |
| Gariguette | -0.12 | -0.34 | 0.10 |

**Result:** The no. leaves was roughly constant from first-order module

* **Comparison between variety for zeroth-order module and first-order modules**
* *From Order 0*

dat\_group\_Order0<- dat\_group[dat\_group[,"Index"]=="0",]  
  
tab7<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_Order0,  
 varname = "nb\_total\_leaves",  
 groupe = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 1.2e-05 - - - -   
## Clery 0.00929 0.62891 - - -   
## Capriss 1.00000 9.9e-06 0.00831 - -   
## Darselect 6.3e-12 0.18977 0.00156 5.0e-12 -   
## Cir107 0.98723 0.00026 0.06824 0.98413 6.1e-10   
##   
## P value adjustment method: none

kable(x = tab7,  
 digits = 2,  
 caption = "Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for zeroth-order module")

Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for zeroth-order module

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 5 | Gariguette | 10.43 | 2.35 | a |
| 6 | Capriss | 10.35 | 1.82 | a |
| 4 | Cir107 | 9.63 | 3.29 | a |
| 3 | Clery | 8.33 | 2.97 | b |
| 2 | Ciflorette | 7.63 | 2.57 | b |
| 1 | Darselect | 6.11 | 2.29 | c |

* *From Order 1*

tab8<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_from\_Order1,  
 varname = "nb\_total\_leaves",  
 group = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 0.37781 - - - -   
## Clery 0.99986 0.20668 - - -   
## Capriss 0.01311 0.76805 0.00312 - -   
## Darselect 0.38404 0.00086 0.51233 5.9e-07 -   
## Cir107 0.82967 0.94849 0.63740 0.16064 0.00921   
##   
## P value adjustment method: none

kable(x = tab8,  
 digits = 2,  
 caption = "Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter from the first-order modules onward")

Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter from the first-order modules onward

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 6 | Capriss | 3.51 | 1.02 | a |
| 4 | Cir107 | 3.43 | 1.36 | bc |
| 5 | Ciflorette | 3.40 | 1.01 | ab |
| 3 | Gariguette | 3.33 | 1.31 | c |
| 2 | Clery | 3.16 | 0.91 | cd |
| 1 | Darselect | 3.02 | 1.07 | d |

* *pointwise Mean No .leaves of successive orders module (0 and >=1)*
  + convert dat in dat\_group\_from\_order1

dat\_group\_from\_Order1<-data[2:colend]  
  
for (i in 1:nrow(data)){  
 if( dat\_group\_from\_Order1[i,"genotype"]=="Capriss"){  
 if (data[i,'Index']=="0"){   
 dat\_group\_from\_Order1[i,"Index"]<- 0  
 }else if (data[i,'Index']=="0-1"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2-3"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2-3-4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2-3-4-5"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2-3"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2-3-4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2-3-4-5"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="2"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="2-3"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="2-3-4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="3"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="3-4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }  
 }else  
 if (data[i,'Index']=="0"){   
 dat\_group\_from\_Order1[i,"Index"]<- 0  
 }else if (data[i,'Index']=="0-1"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2-3"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2-3-4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2-3-4-5"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2-3"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2-3-4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2-3-4-5"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="2"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="2-3"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="2-3-4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="3"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="3-4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }else if (data[i,'Index']=="4"){  
 dat\_group\_from\_Order1[i,"Index"]<- 1  
 }  
}  
  
#Remplacer les valeurs 0 dans la colone total flowers par NA  
dat\_group\_from\_Order1$nb\_total\_flowers[dat\_group\_from\_Order1$nb\_total\_flowers==0]<-NA  
  
dat\_group\_from\_Order1$Index<-as.factor(dat\_group\_from\_Order1$Index)

\* recalcule data\_at\_module\_scale\_group\_from\_Order1

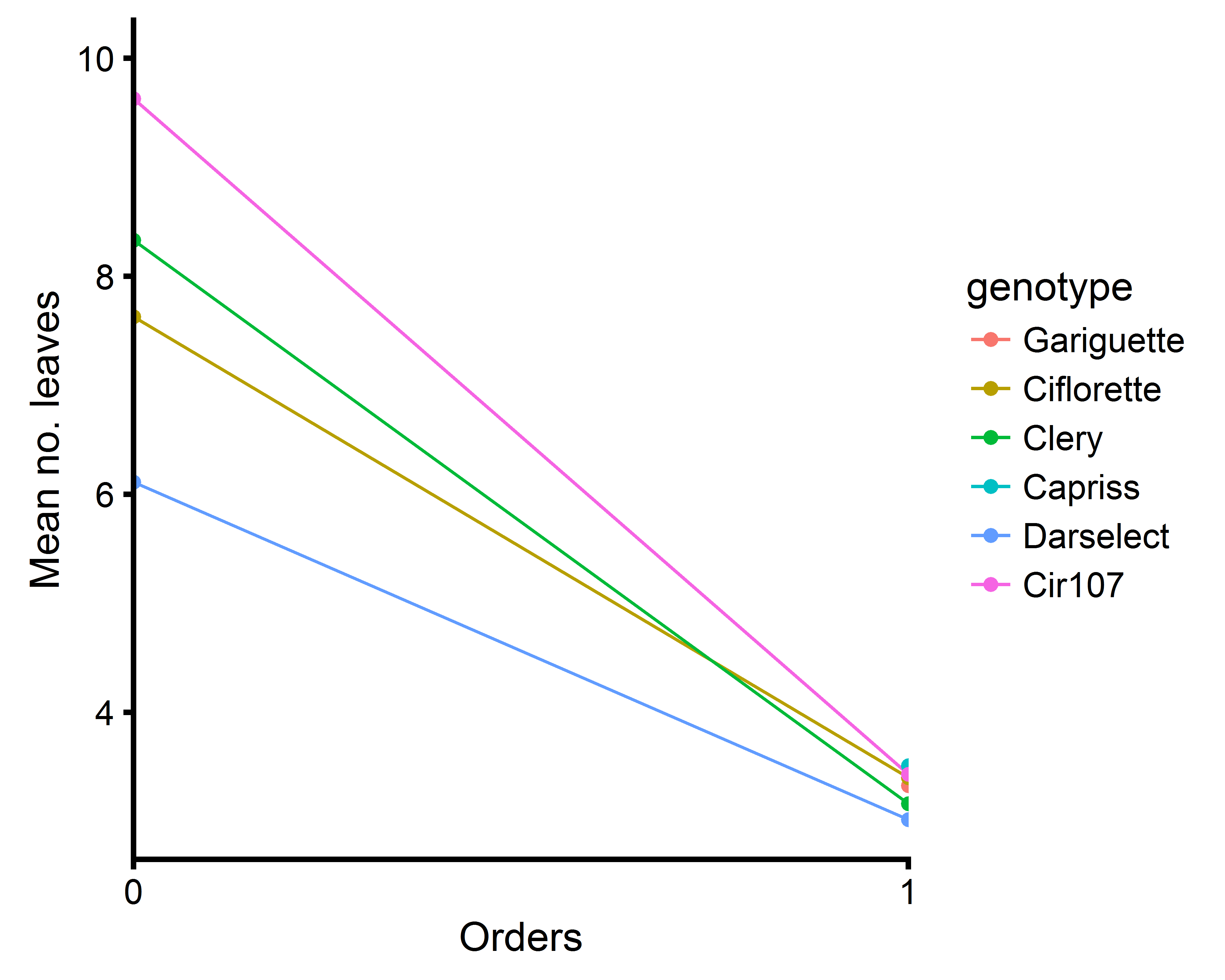
data\_at\_module\_scale\_group\_from\_Order1<-ddply(.data = dat\_group\_from\_Order1,  
 .variables = c("genotype","Index"),  
 summarise,  
 MeanTotalLeave= mean(  
 x = nb\_total\_leaves,  
 na.rm = T),  
 SdTotalLeave= sd(  
 x = nb\_total\_leaves,  
 na.rm = T),  
 MeanTotalFlower= mean(  
 x = nb\_total\_flowers,  
 na.rm = T),  
 SdTotalFlower= sd(  
 x = nb\_total\_flowers,  
 na.rm = T),  
 MeanStolon= mean(  
 x = stolons,  
 na.rm = T),  
 SdStolon= sd(  
 x = stolons,  
 na.rm = T),  
 N=length(nb\_total\_leaves))  
  
kable(x = data\_at\_module\_scale\_group\_from\_Order1,  
 digits = 2,  
 caption = " Data at module scale after grouping from order1")

Data at module scale after grouping from order1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genotype | Index | MeanTotalLeave | SdTotalLeave | MeanTotalFlower | SdTotalFlower | MeanStolon | SdStolon | N |
| Gariguette | 0 | 10.43 | 2.35 | 18.71 | 3.70 | 0.67 | 0.75 | 54 |
| Gariguette | 1 | 3.33 | 1.31 | 7.43 | 2.96 | 0.13 | 0.52 | 187 |
| Ciflorette | 0 | 7.63 | 2.57 | 10.95 | 2.76 | 1.09 | 0.96 | 54 |
| Ciflorette | 1 | 3.40 | 1.01 | 6.38 | 1.91 | 0.26 | 0.66 | 244 |
| Clery | 0 | 8.33 | 2.97 | 13.71 | 3.34 | 1.65 | 1.25 | 54 |
| Clery | 1 | 3.16 | 0.91 | 5.30 | 2.08 | 0.15 | 0.44 | 209 |
| Capriss | 0 | 10.35 | 1.82 | 11.92 | 2.87 | 1.96 | 0.97 | 54 |
| Capriss | 1 | 3.51 | 1.02 | 4.03 | 1.27 | 0.02 | 0.15 | 327 |
| Darselect | 0 | 6.11 | 2.29 | 10.50 | 4.77 | 0.94 | 1.11 | 54 |
| Darselect | 1 | 3.02 | 1.07 | 6.11 | 2.50 | 0.11 | 0.39 | 192 |
| Cir107 | 0 | 9.63 | 3.29 | 16.00 | 4.20 | 1.83 | 1.33 | 54 |
| Cir107 | 1 | 3.43 | 1.36 | 7.80 | 3.15 | 0.08 | 0.34 | 313 |

\* Plot mean no. leaves for succesive module orders for 0 and from first-order module onwards

fc\_pointwise\_mean\_variable\_by\_order(data = data\_at\_module\_scale\_group\_from\_Order1,  
 varname = "MeanTotalLeave")+  
 ylab("Mean no. leaves")+  
 ylim(3,10)



#### No. flowers fonction of successive module order

##### Cumulative distribution of no. flowers for each module order

* **Table of distribution of No.flowers according to module orders**

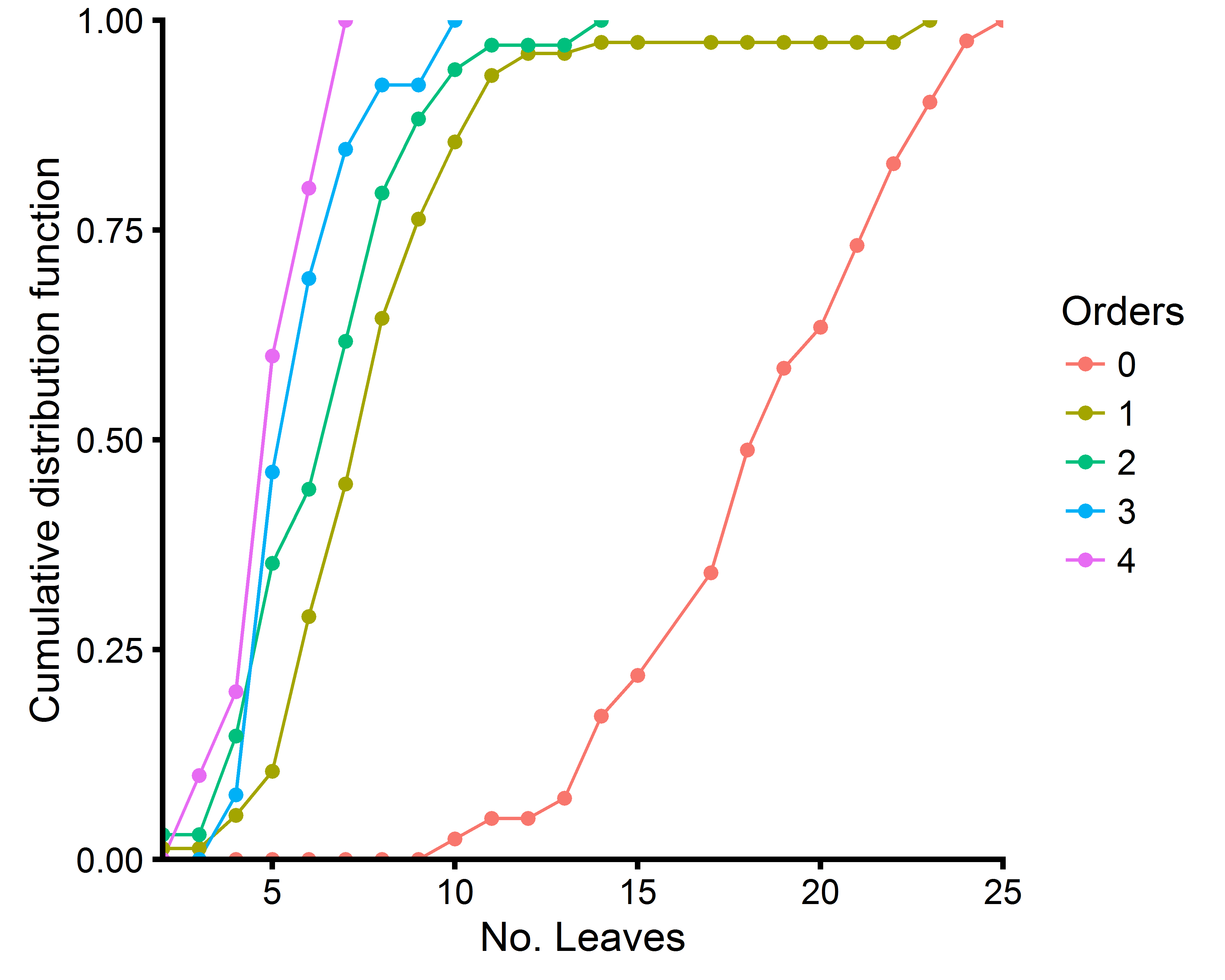
tab9<-fc\_dist\_variable\_by\_order(data = dat\_group,  
 genotype = "Gariguette",  
 varname = "nb\_total\_flowers",  
 prob = "cumulative")  
  
kable(x = tab9,  
 digits = 2,  
 caption = "Cumulative distribution of total no. leaves by orders for Gariguette")

Cumulative distribution of total no. leaves by orders for Gariguette

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 |
| 2 | 0.00 | 0.01 | 0.03 | 0.00 | 0.0 |
| 3 | 0.00 | 0.01 | 0.03 | 0.00 | 0.1 |
| 4 | 0.00 | 0.05 | 0.15 | 0.08 | 0.2 |
| 5 | 0.00 | 0.11 | 0.35 | 0.46 | 0.6 |
| 6 | 0.00 | 0.29 | 0.44 | 0.69 | 0.8 |
| 7 | 0.00 | 0.45 | 0.62 | 0.85 | 1.0 |
| 8 | 0.00 | 0.64 | 0.79 | 0.92 | NA |
| 9 | 0.00 | 0.76 | 0.88 | 0.92 | NA |
| 10 | 0.02 | 0.86 | 0.94 | 1.00 | NA |
| 11 | 0.05 | 0.93 | 0.97 | NA | NA |
| 12 | 0.05 | 0.96 | 0.97 | NA | NA |
| 13 | 0.07 | 0.96 | 0.97 | NA | NA |
| 14 | 0.17 | 0.97 | 1.00 | NA | NA |
| 15 | 0.22 | 0.97 | NA | NA | NA |
| 17 | 0.34 | 0.97 | NA | NA | NA |
| 18 | 0.49 | 0.97 | NA | NA | NA |
| 19 | 0.59 | 0.97 | NA | NA | NA |
| 20 | 0.63 | 0.97 | NA | NA | NA |
| 21 | 0.73 | 0.97 | NA | NA | NA |
| 22 | 0.83 | 0.97 | NA | NA | NA |
| 23 | 0.90 | 1.00 | NA | NA | NA |
| 24 | 0.98 | NA | NA | NA | NA |
| 25 | 1.00 | NA | NA | NA | NA |

* **Visualization of distribution of No. flowers for each module orders**

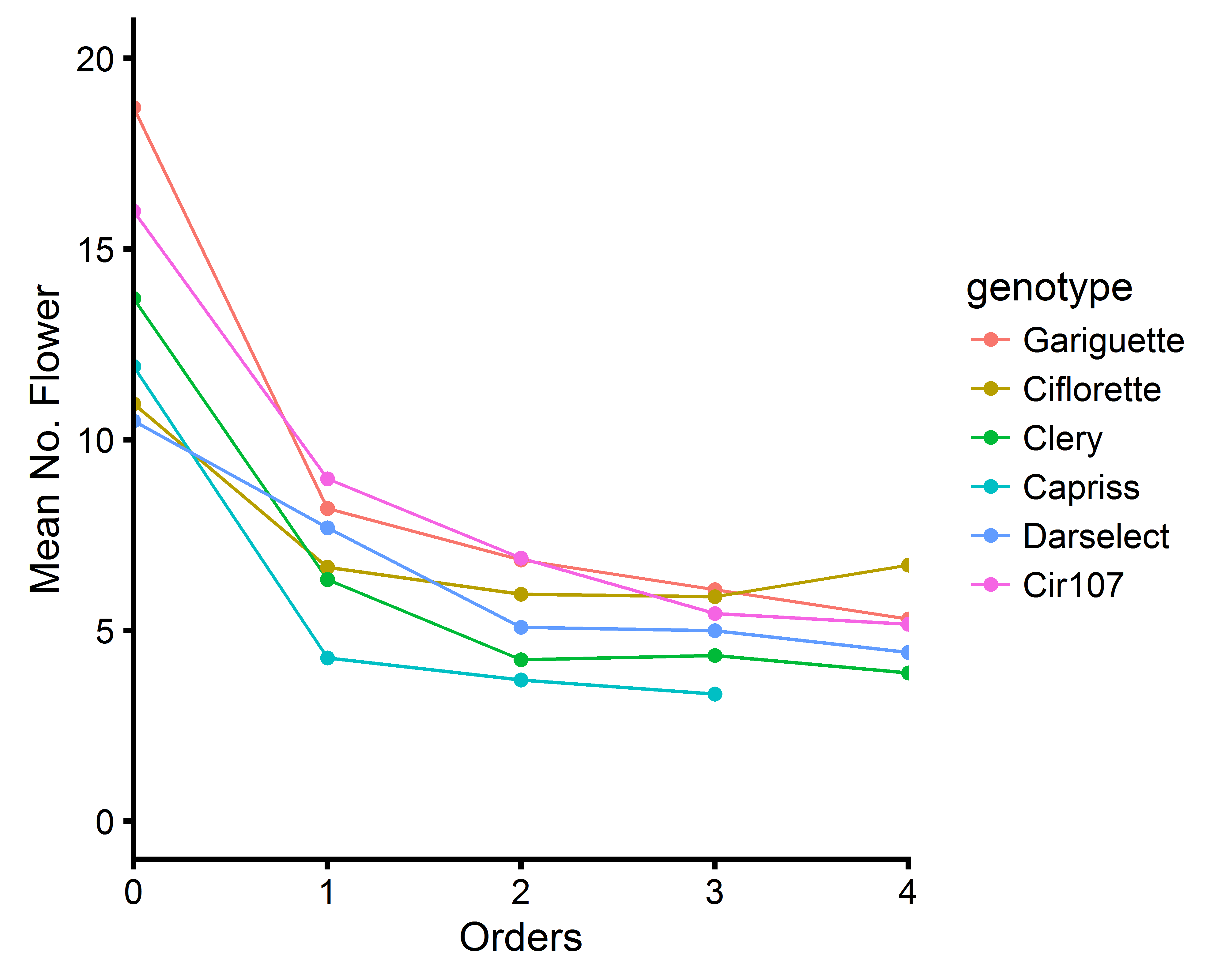
fc\_dist\_variable\_by\_order.plot(data = tab9)+  
 xlab("No. Leaves")+  
 ylab("Cumulative distribution function")



Plot distribution of leaves for each module orders and for Gariguette

##### Pointwise Mean of No.flowers of modules for successive orders for each varieties

fc\_pointwise\_mean\_variable\_by\_order(data = data\_at\_module\_scale\_group,  
 varname = "MeanTotalFlower")+  
 ylab("Mean No. Flower")+  
 ylim(0,20)



Pointwise Mean of No. leaves of modules for successive orders for each variety after grouping

##### Comparison of No. flowers for successive orders

* **Identification from wich module variable was roughly constant for each varieties**
  + *From Order 0*

Gariguette<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Gariguette",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Clery<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Clery",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Capriss<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Capriss",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Ciflorette<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Ciflorette",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Cir107<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Cir107",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Darselect<- fc\_linear\_trend\_reg(data = dat\_group,  
 genotype = "Darselect",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
tab10<- merge(x = Gariguette,  
 y = Clery,  
 all=T)  
  
tab10<- merge(x = tab10,  
 y = Capriss,   
 all=T)  
  
tab10<- merge(x = tab10,  
 y = Ciflorette,   
 all=T)  
  
tab10<- merge(x = tab10,  
 y = Cir107,   
 all=T)  
  
tab10<- merge(x = tab10,  
 y = Darselect,   
 all=T)  
  
kable(x = tab10,  
 digits = 2,  
 caption = "Linear trend (estimate slope and 95% confidence interval -IC95%-) for the number of flowersfrom zeroth-order onward (orders >=0)")

Linear trend (estimate slope and 95% confidence interval -IC95%-) for the number of flowersfrom zeroth-order onward (orders >=0)

|  |  |  |  |
| --- | --- | --- | --- |
| Genotype | Slope | IC\_lower | IC\_upper |
| Capriss | -2.58 | -2.98 | -2.17 |
| Ciflorette | -1.08 | -1.37 | -0.79 |
| Cir107 | -2.86 | -3.33 | -2.40 |
| Clery | -2.60 | -3.02 | -2.19 |
| Darselect | -1.85 | -2.28 | -1.42 |
| Gariguette | -3.50 | -4.10 | -2.90 |

* *From Order 1*

Gariguette<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Gariguette",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Clery<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Gariguette",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Capriss<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Capriss",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Ciflorette<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Ciflorette",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Cir107<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Cir107",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Darselect<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order1,  
 genotype = "Darselect",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
tab11<- merge(x = Gariguette,  
 y = Clery,  
 all=T)  
  
tab11<- merge(x = tab11,  
 y = Capriss,   
 all=T)  
  
tab11<- merge(x = tab11,  
 y = Ciflorette,   
 all=T)  
  
tab11<- merge(x = tab11,  
 y = Cir107,   
 all=T)  
  
tab11<- merge(x = tab11,  
 y = Darselect,   
 all=T)  
  
kable(x = tab11,  
 digits = 2,  
 caption = "Linear trend (estimate slope and 95% confidence interval -IC95%-) for the number of flowers from first-order onward (orders >=1)")

Linear trend (estimate slope and 95% confidence interval -IC95%-) for the number of flowers from first-order onward (orders >=1)

|  |  |  |  |
| --- | --- | --- | --- |
| Genotype | Slope | IC\_lower | IC\_upper |
| Capriss | -7.90 | -8.47 | -7.32 |
| Ciflorette | -4.57 | -5.29 | -3.86 |
| Cir107 | -8.20 | -9.44 | -6.97 |
| Darselect | -4.39 | -5.55 | -3.23 |
| Gariguette | -11.28 | -12.39 | -10.17 |

* *From Order 2*

dat\_group\_from\_Order2<-dat\_group\_from\_Order1[!dat\_group\_from\_Order1[,'Index']=="1",]  
  
Gariguette<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order2,  
 genotype = "Gariguette",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Clery<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order2,  
 genotype = "Gariguette",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Capriss<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order2,  
 genotype = "Capriss",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Ciflorette<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order2,  
 genotype = "Ciflorette",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Cir107<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order2,  
 genotype = "Cir107",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
Darselect<- fc\_linear\_trend\_reg(data = dat\_group\_from\_Order2,  
 genotype = "Darselect",  
 variable = "nb\_total\_flowers",  
 Index = "Index")  
  
tab12<- merge(x = Gariguette,  
 y = Clery,  
 all=T)  
  
tab12<- merge(x = tab12,  
 y = Capriss,   
 all=T)  
  
tab12<- merge(x = tab12,  
 y = Ciflorette,   
 all=T)  
  
tab12<- merge(x = tab12,  
 y = Cir107,   
 all=T)  
  
tab12<- merge(x = tab12,  
 y = Darselect,  
 all=T)  
  
kable(x = tab12,  
 digits = 2,  
 caption = "Linear trend (estimate slope and 95% confidence interval -IC95%-) for the number of flowers from second-order onward (orders >=2)")

Linear trend (estimate slope and 95% confidence interval -IC95%-) for the number of flowers from second-order onward (orders >=2)

|  |  |  |  |
| --- | --- | --- | --- |
| Genotype | Slope | IC\_lower | IC\_upper |
| Capriss | NA | NA | NA |
| Ciflorette | NA | NA | NA |
| Cir107 | NA | NA | NA |
| Darselect | NA | NA | NA |
| Gariguette | NA | NA | NA |

**Result:** The no. flowers was roughly constant from second-order module

* \*\* Comparison between variety for zeroth-order module and first-order modules and second-order module onwards\*\*
  + For zeroth-order module\*

tab13<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_Order0,  
 varname = "nb\_total\_flowers",  
 group = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 7.1e-13 - - - -   
## Clery 0.00049 0.01310 - - -   
## Capriss 4.4e-10 0.95953 0.14528 - -   
## Darselect 3.8e-12 1.00000 0.02249 0.98131 -   
## Cir107 0.23032 1.2e-05 0.50281 0.00060 3.0e-05   
##   
## P value adjustment method: none

kable(x = tab13,  
 digits = 2,  
 caption = "Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for zeroth-order module")

Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for zeroth-order module

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 6 | Gariguette | 18.71 | 3.70 | a |
| 5 | Cir107 | 16.00 | 4.20 | b |
| 4 | Clery | 13.71 | 3.34 | c |
| 3 | Capriss | 11.92 | 2.87 | d |
| 1 | Ciflorette | 10.95 | 2.76 | d |
| 2 | Darselect | 10.50 | 4.77 | d |

* + For the first-order module\*

dat\_group\_Order1<- dat\_group[dat\_group[,"Index"]==1,]  
  
tab14<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_Order1,  
 varname = "nb\_total\_flowers",  
 group = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 0.0209 - - - -   
## Clery 0.0015 0.9020 - - -   
## Capriss 5.5e-14 4.5e-13 1.2e-07 - -   
## Darselect 0.8175 0.6636 0.1942 1.1e-13 -   
## Cir107 0.8682 5.3e-05 2.2e-06 < 2e-16 0.1849   
##   
## P value adjustment method: none

kable(x = tab14,  
 digits = 2,  
 caption = "Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for first-order module")

Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for first-order module

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 6 | Cir107 | 8.98 | 3.46 | a |
| 5 | Gariguette | 8.20 | 3.25 | ab |
| 4 | Darselect | 7.69 | 3.03 | bc |
| 3 | Ciflorette | 6.66 | 2.06 | cd |
| 2 | Clery | 6.34 | 2.13 | d |
| 1 | Capriss | 4.28 | 1.28 | e |

\* \* For second-order module onwards\*

tab15<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_from\_Order2,  
 varname = "nb\_total\_flowers",  
 group = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 7.1e-13 - - - -   
## Clery 0.00049 0.01310 - - -   
## Capriss 4.4e-10 0.95953 0.14528 - -   
## Darselect 3.8e-12 1.00000 0.02249 0.98131 -   
## Cir107 0.23032 1.2e-05 0.50281 0.00060 3.0e-05   
##   
## P value adjustment method: none

kable(x = tab15,  
 digits = 2,  
 caption = "Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter from the second-order modules onward")

Mean number with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter from the second-order modules onward

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 6 | Gariguette | 18.71 | 3.70 | a |
| 5 | Cir107 | 16.00 | 4.20 | b |
| 4 | Clery | 13.71 | 3.34 | c |
| 3 | Capriss | 11.92 | 2.87 | d |
| 1 | Ciflorette | 10.95 | 2.76 | d |
| 2 | Darselect | 10.50 | 4.77 | d |

* *Pointwise Mean No. flowers of succesive orders module (0, 1 and >=2)*
  + convert dat in dat\_group\_from\_order2

dat\_group\_from\_Order2<-data[2:colend]  
  
for (i in 1:nrow(data)){  
 if( dat\_group\_from\_Order2[i,"genotype"]=="Capriss"){  
 if (data[i,'Index']=="0"){   
 dat\_group\_from\_Order2[i,"Index"]<- 0  
 }else if (data[i,'Index']=="0-1"){  
 dat\_group\_from\_Order2[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3-4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3-4-5"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1"){  
 dat\_group\_from\_Order2[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3-4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3-4-5"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2-3"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2-3-4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="3"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="3-4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }  
 }else  
 if (data[i,'Index']=="0"){   
 dat\_group\_from\_Order2[i,"Index"]<- 0  
 }else if (data[i,'Index']=="0-1"){  
 dat\_group\_from\_Order2[i,"Index"]<- 1  
 }else if (data[i,'Index']=="0-1-2"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3-4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="0-1-2-3-4-5"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1"){  
 dat\_group\_from\_Order2[i,"Index"]<- 1  
 }else if (data[i,'Index']=="1-2"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3-4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="1-2-3-4-5"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2-3"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="2-3-4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="3"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="3-4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }else if (data[i,'Index']=="4"){  
 dat\_group\_from\_Order2[i,"Index"]<- 2  
 }  
}  
  
#Remplacer les valeurs 0 dans la colone total flowers par NA  
dat\_group\_from\_Order2$nb\_total\_flowers[dat\_group\_from\_Order2$nb\_total\_flowers==0]<-NA  
  
dat\_group\_from\_Order2$Index<-as.factor(dat\_group\_from\_Order2$Index)

\* recalcule data\_at\_module\_scale\_group\_from\_Order2

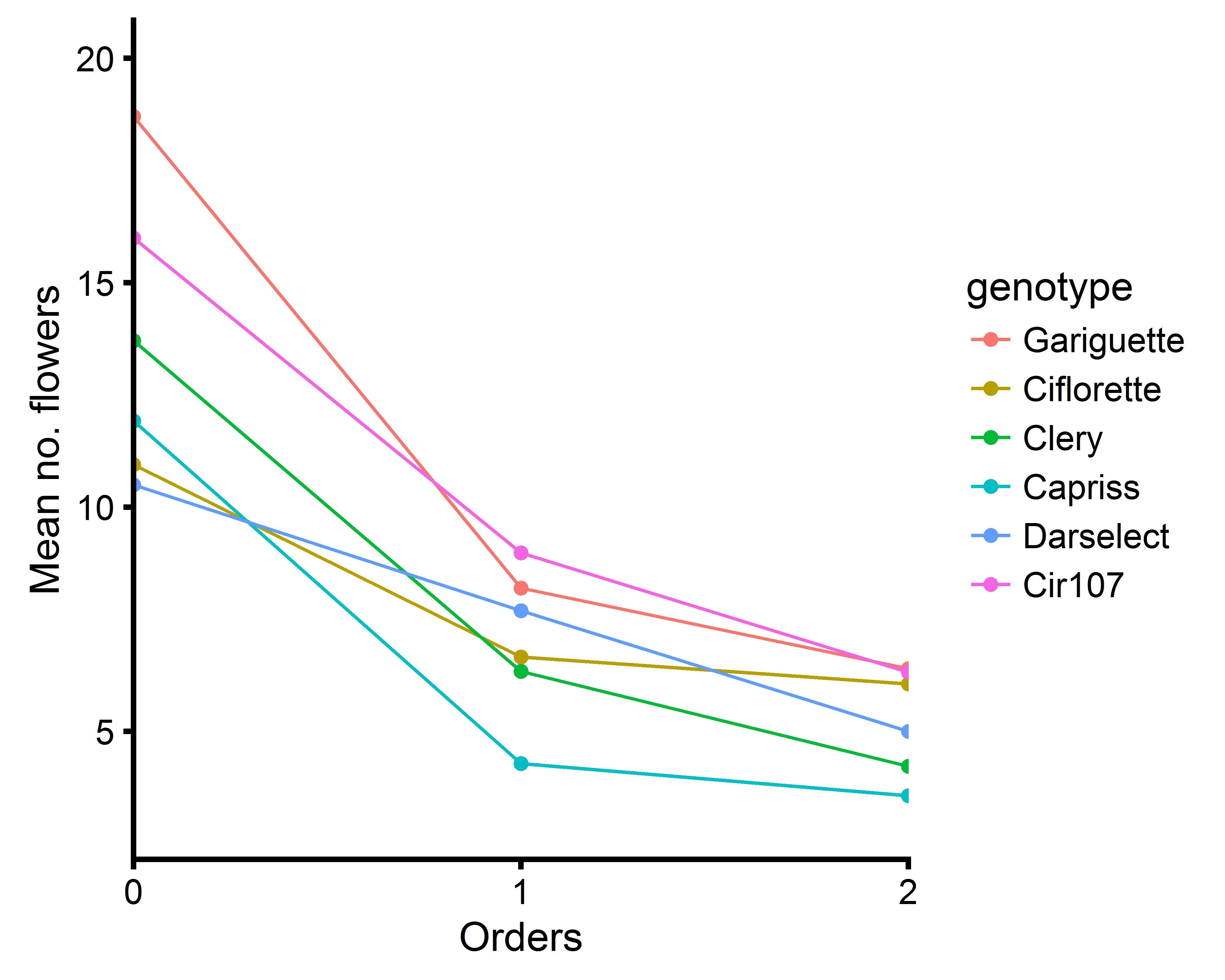
data\_at\_module\_scale\_group\_from\_Order2<-ddply(.data = dat\_group\_from\_Order2,  
 .variables = c("genotype","Index"),  
 summarise,  
 MeanTotalLeave= mean(  
 x = nb\_total\_leaves,  
 na.rm = T),  
 SdTotalLeave= sd(  
 x = nb\_total\_leaves,  
 na.rm = T),  
 MeanTotalFlower= mean(  
 x = nb\_total\_flowers,  
 na.rm = T),  
 SdTotalFlower= sd(  
 x = nb\_total\_flowers,  
 na.rm = T),  
 MeanStolon= mean(  
 x = stolons,  
 na.rm = T),  
 SdStolon= sd(  
 x = stolons,  
 na.rm = T),  
 N=length(nb\_total\_leaves))  
  
kable(x = data\_at\_module\_scale\_group\_from\_Order2,  
 digits = 2,  
 caption = " Data at module scale after grouping from order1")

Data at module scale after grouping from order1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genotype | Index | MeanTotalLeave | SdTotalLeave | MeanTotalFlower | SdTotalFlower | MeanStolon | SdStolon | N |
| Gariguette | 0 | 10.43 | 2.35 | 18.71 | 3.70 | 0.67 | 0.75 | 54 |
| Gariguette | 1 | 3.28 | 1.28 | 8.20 | 3.25 | 0.00 | 0.00 | 94 |
| Gariguette | 2 | 3.38 | 1.35 | 6.40 | 2.15 | 0.26 | 0.72 | 93 |
| Ciflorette | 0 | 7.63 | 2.57 | 10.95 | 2.76 | 1.09 | 0.96 | 54 |
| Ciflorette | 1 | 3.33 | 0.90 | 6.66 | 2.06 | 0.00 | 0.00 | 115 |
| Ciflorette | 2 | 3.47 | 1.10 | 6.06 | 1.68 | 0.49 | 0.84 | 129 |
| Clery | 0 | 8.33 | 2.97 | 13.71 | 3.34 | 1.65 | 1.25 | 54 |
| Clery | 1 | 3.09 | 1.04 | 6.34 | 2.13 | 0.01 | 0.10 | 98 |
| Clery | 2 | 3.23 | 0.78 | 4.23 | 1.36 | 0.27 | 0.57 | 111 |
| Capriss | 0 | 10.35 | 1.82 | 11.92 | 2.87 | 1.96 | 0.97 | 54 |
| Capriss | 1 | 3.43 | 1.04 | 4.28 | 1.28 | 0.00 | 0.00 | 190 |
| Capriss | 2 | 3.62 | 0.99 | 3.57 | 1.10 | 0.06 | 0.24 | 137 |
| Darselect | 0 | 6.11 | 2.29 | 10.50 | 4.77 | 0.94 | 1.11 | 54 |
| Darselect | 1 | 3.34 | 1.08 | 7.69 | 3.03 | 0.01 | 0.11 | 87 |
| Darselect | 2 | 2.74 | 0.99 | 5.00 | 1.12 | 0.19 | 0.50 | 105 |
| Cir107 | 0 | 9.63 | 3.29 | 16.00 | 4.20 | 1.83 | 1.33 | 54 |
| Cir107 | 1 | 3.75 | 1.61 | 8.98 | 3.46 | 0.03 | 0.25 | 154 |
| Cir107 | 2 | 3.13 | 0.99 | 6.32 | 1.87 | 0.13 | 0.40 | 159 |

\* Plot mean no. leaves for succesive module orders for 0, 1 and from second-order module onwards

fc\_pointwise\_mean\_variable\_by\_order(data = data\_at\_module\_scale\_group\_from\_Order2,  
 varname = "MeanTotalFlower")+  
 ylab("Mean no. flowers")+  
 ylim(3,20)

 #### No. stolons fonction of successive module order

##### Cumulative distribution of no. stolons for each module order

* **Table of distribution of No. stolons according to module orders**

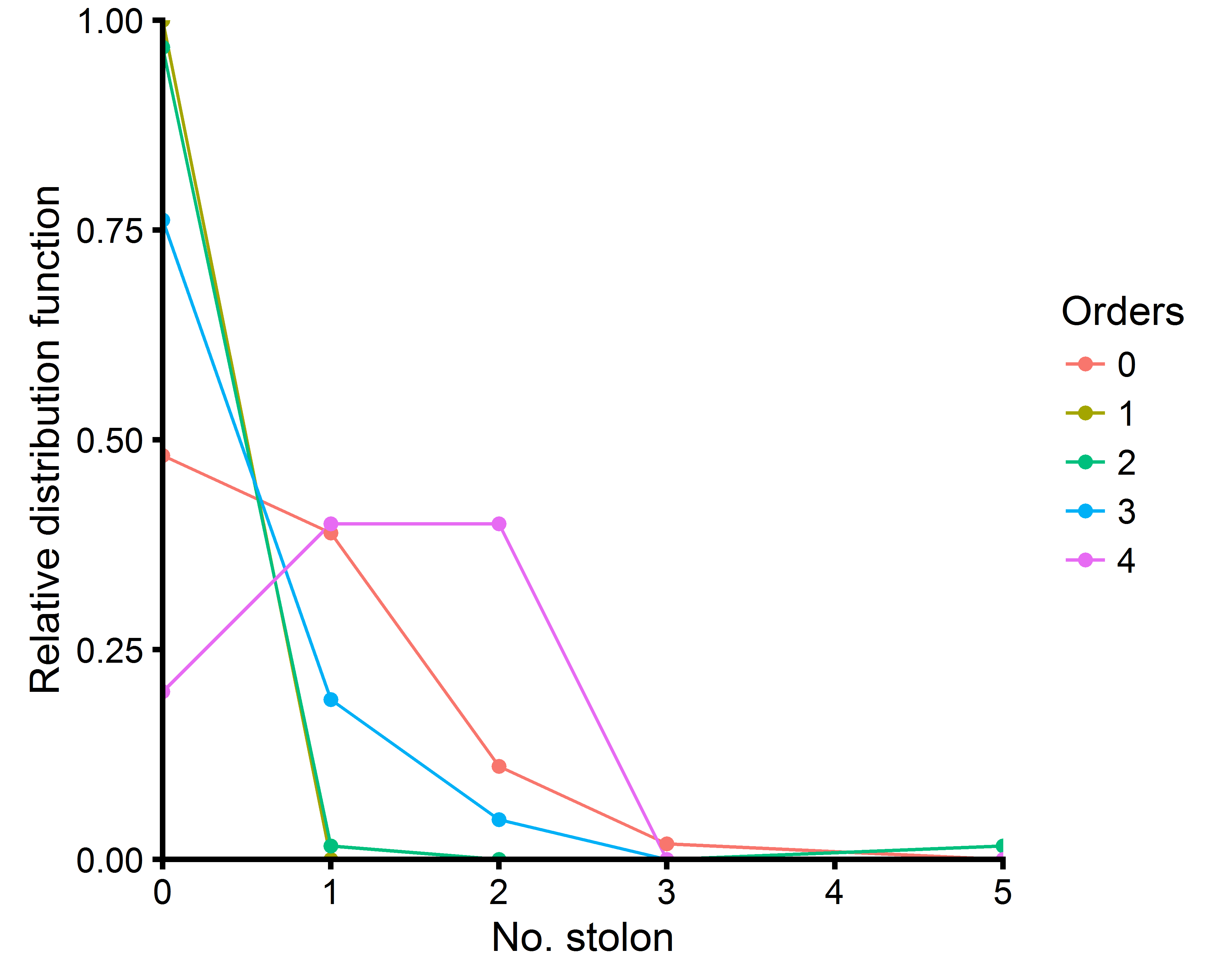
tab16<-fc\_dist\_variable\_by\_order(data = dat\_group,genotype = "Gariguette",varname = "stolons",prob = T)  
  
kable(x = tab16,   
 digits = 2,  
 caption = "Relative distribution of no. stolon by orders"  
 )

Relative distribution of no. stolon by orders

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 |
| 0 | 0.48 | 1 | 0.97 | 0.76 | 0.2 |
| 1 | 0.39 | 0 | 0.02 | 0.19 | 0.4 |
| 2 | 0.11 | 0 | 0.00 | 0.05 | 0.4 |
| 3 | 0.02 | 0 | 0.00 | 0.00 | 0.0 |
| 5 | 0.00 | 0 | 0.02 | 0.00 | 0.0 |
| Frequency | 1.00 | 1 | 1.00 | 1.00 | 1.0 |

* **Visualization of distribution of No stolons for each module orders**

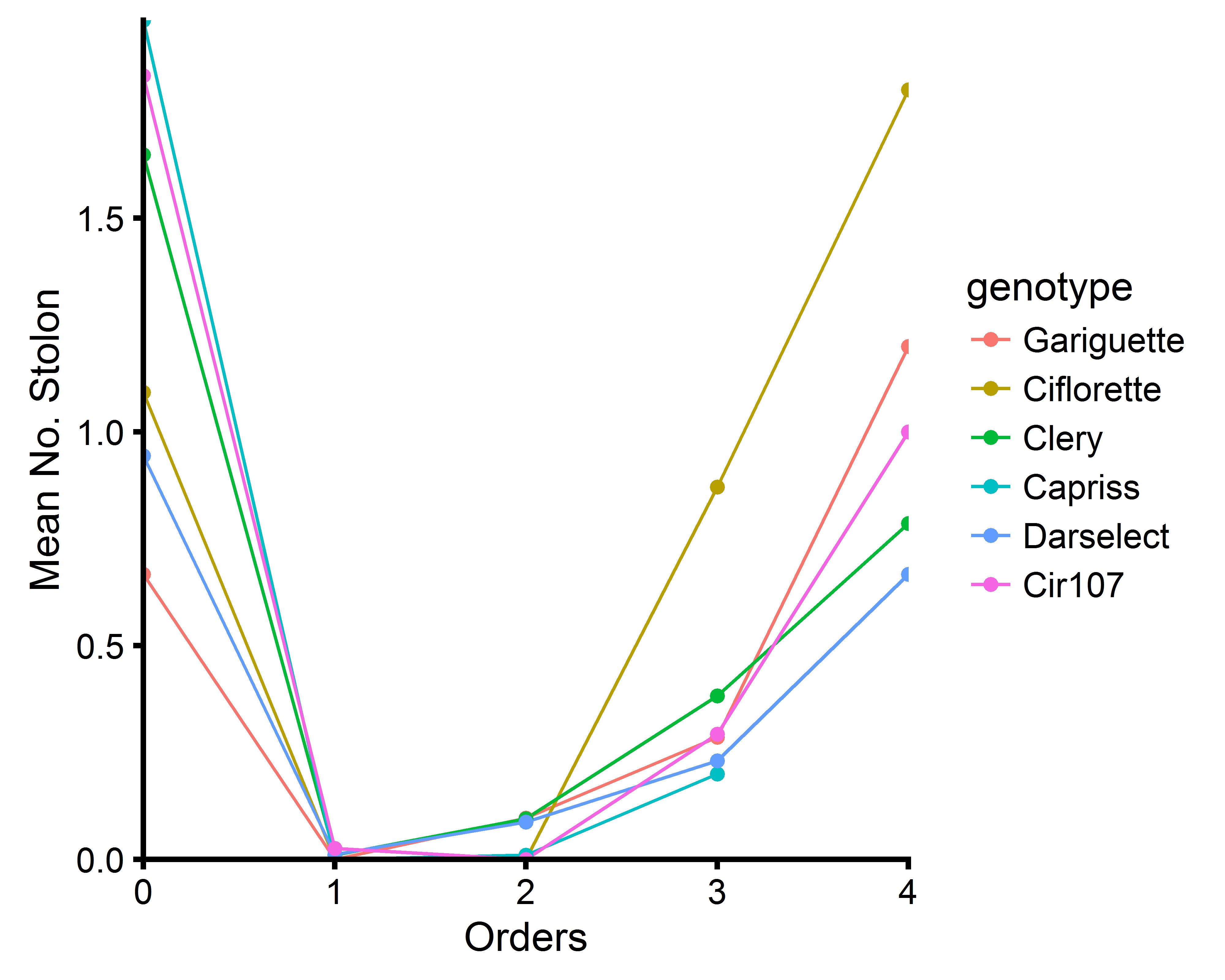
fc\_dist\_variable\_by\_order.plot(data = tab16)+  
 xlab("No. stolon")+  
 ylab("Relative distribution function")



Relative frequency distribution of the number of stolons for successive orders for XX

##### Pointwise Mean of No. stolons of modules for successive orders for each varieties

fc\_pointwise\_mean\_variable\_by\_order(data = data\_at\_module\_scale\_group,  
 varname = "MeanStolon")+  
 ylab("Mean No. Stolon")



Pointwise Mean of No. leaves of modules for successive orders for each variety after grouping

**Results:** Not stationary so we are forced to compare varieties for each module orders

##### Comparison of No. stolons for successive orders

* **For Order 0**

tab17<- fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_Order0,  
 varname = "stolons",  
 groupe = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 0.34782 - - - -   
## Clery 0.00035 0.22244 - - -   
## Capriss 1.4e-07 0.00246 0.65514 - -   
## Darselect 0.86235 0.95905 0.02543 6.4e-05 -   
## Cir107 2.0e-05 0.05149 0.99064 0.94460 0.00314   
##   
## P value adjustment method: none

kable(x = tab17,  
 digits = 2,  
 caption = "Mean number of stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for zeroth-order module")

Mean number of stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for zeroth-order module

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 6 | Capriss | 1.96 | 0.97 | a |
| 5 | Cir107 | 1.83 | 1.33 | a |
| 4 | Clery | 1.65 | 1.25 | a |
| 3 | Ciflorette | 1.09 | 0.96 | b |
| 2 | Darselect | 0.94 | 1.11 | bc |
| 1 | Gariguette | 0.67 | 0.75 | c |

* **For Order 1**

tab18<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_Order1,  
 varname = "stolons",  
 groupe = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 1 - - - -   
## Clery 1 1 - - -   
## Capriss 1 1 1 - -   
## Darselect 1 1 1 1 -   
## Cir107 1 1 1 1 1   
##   
## P value adjustment method: none

kable(x = tab18,  
 digits = 2,  
 caption = "Mean no.stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for zeroth-order module")

Mean no.stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for zeroth-order module

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 12 | Cir107 | 0.03 | 0.25 | a |
| 11 | Darselect | 0.01 | 0.11 | a |
| 10 | Clery | 0.01 | 0.10 | a |
| 1 | Capriss | 0.00 | 0.00 | a |
| 2 | Capriss | 0.00 | 0.00 | a |
| 3 | Capriss | 0.00 | 0.00 | a |
| 4 | Ciflorette | 0.00 | 0.00 | a |
| 5 | Ciflorette | 0.00 | 0.00 | a |
| 6 | Ciflorette | 0.00 | 0.00 | a |
| 7 | Gariguette | 0.00 | 0.00 | a |
| 8 | Gariguette | 0.00 | 0.00 | a |
| 9 | Gariguette | 0.00 | 0.00 | a |

* **For Order 2**

dat\_group\_order2<-dat\_group[dat\_group[,"Index"]==2,]  
  
tab19<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_order2,  
 varname = "stolons",  
 groupe = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 1.00 - - - -   
## Clery 1.00 0.97 - - -   
## Capriss 1.00 1.00 0.98 - -   
## Darselect 1.00 0.98 1.00 0.99 -   
## Cir107 1.00 1.00 0.95 1.00 0.98   
##   
## P value adjustment method: none

kable(x = tab19,  
 digits = 2,  
 caption = "Mean No.stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for second-order module")

Mean No.stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for second-order module

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 6 | Gariguette | 0.10 | 0.65 | ab |
| 8 | Clery | 0.10 | 0.35 | a |
| 7 | Darselect | 0.09 | 0.34 | a |
| 5 | Capriss | 0.01 | 0.10 | b |
| 1 | Ciflorette | 0.00 | 0.00 | b |
| 2 | Ciflorette | 0.00 | 0.00 | b |
| 3 | Cir107 | 0.00 | 0.00 | b |
| 4 | Cir107 | 0.00 | 0.00 | b |

* **For Order 3**

dat\_group\_order3<-dat\_group[dat\_group[,"Index"]==3,]  
  
tab20<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_order3,  
 varname = "stolons",  
 groupe = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Capriss Darselect  
## Ciflorette 0.141 - - - -   
## Clery 1.000 0.132 - - -   
## Capriss 1.000 0.021 0.985 - -   
## Darselect 1.000 0.021 0.991 1.000 -   
## Cir107 1.000 0.048 1.000 0.999 1.000   
##   
## P value adjustment method: none

kable(x = tab20,  
 digits = 2,  
 caption = "Mean No. stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for third-order module")

Mean No. stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for third-order module

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 6 | Ciflorette | 0.87 | 0.85 | a |
| 5 | Clery | 0.38 | 0.70 | b |
| 4 | Cir107 | 0.29 | 0.56 | b |
| 3 | Gariguette | 0.29 | 0.56 | b |
| 2 | Darselect | 0.23 | 0.48 | b |
| 1 | Capriss | 0.20 | 0.41 | b |

* **For Order 4**

dat\_group\_order4<-dat\_group[dat\_group[,"Index"]==4,]  
  
tab21<-fc\_comp\_varieties\_kruskal\_posthoc(data = dat\_group\_order4,  
 varname = "stolons",  
 groupe = T)

##   
## Pairwise comparisons using Tukey and Kramer (Nemenyi) test   
## with Tukey-Dist approximation for independent samples   
##   
## data: data[, varname] and data[, "genotype"]   
##   
## Gariguette Ciflorette Clery Darselect  
## Ciflorette 0.542 - - -   
## Clery 0.759 0.016 - -   
## Darselect 0.572 0.013 0.992 -   
## Cir107 0.987 0.269 0.980 0.893   
##   
## P value adjustment method: none

kable(x = tab21,  
 digits = 2,  
 caption = "Mean No. stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for four-order module")

Mean No. stolons with standard deviation and grouping of varieties using ANOVA on rank (Kruskal Wallis and posthoc test) represented by letter for four-order module

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | genotype | mean | std | groups |
| 5 | Ciflorette | 1.80 | 0.77 | a |
| 4 | Gariguette | 1.20 | 0.79 | ab |
| 3 | Cir107 | 1.00 | 0.76 | b |
| 2 | Clery | 0.79 | 0.70 | b |
| 1 | Darselect | 0.67 | 1.00 | b |

### Comparison of categorical variables

#### Branch crown function of successive modules orders

Because the zeroth-order module is primary crown, to compare ramification for each module order we compare only from first-order module

##### Relative frequency of proportion of Branch/Extention crown

* **Table of relative frequency of proportion of branch/Extention crown**

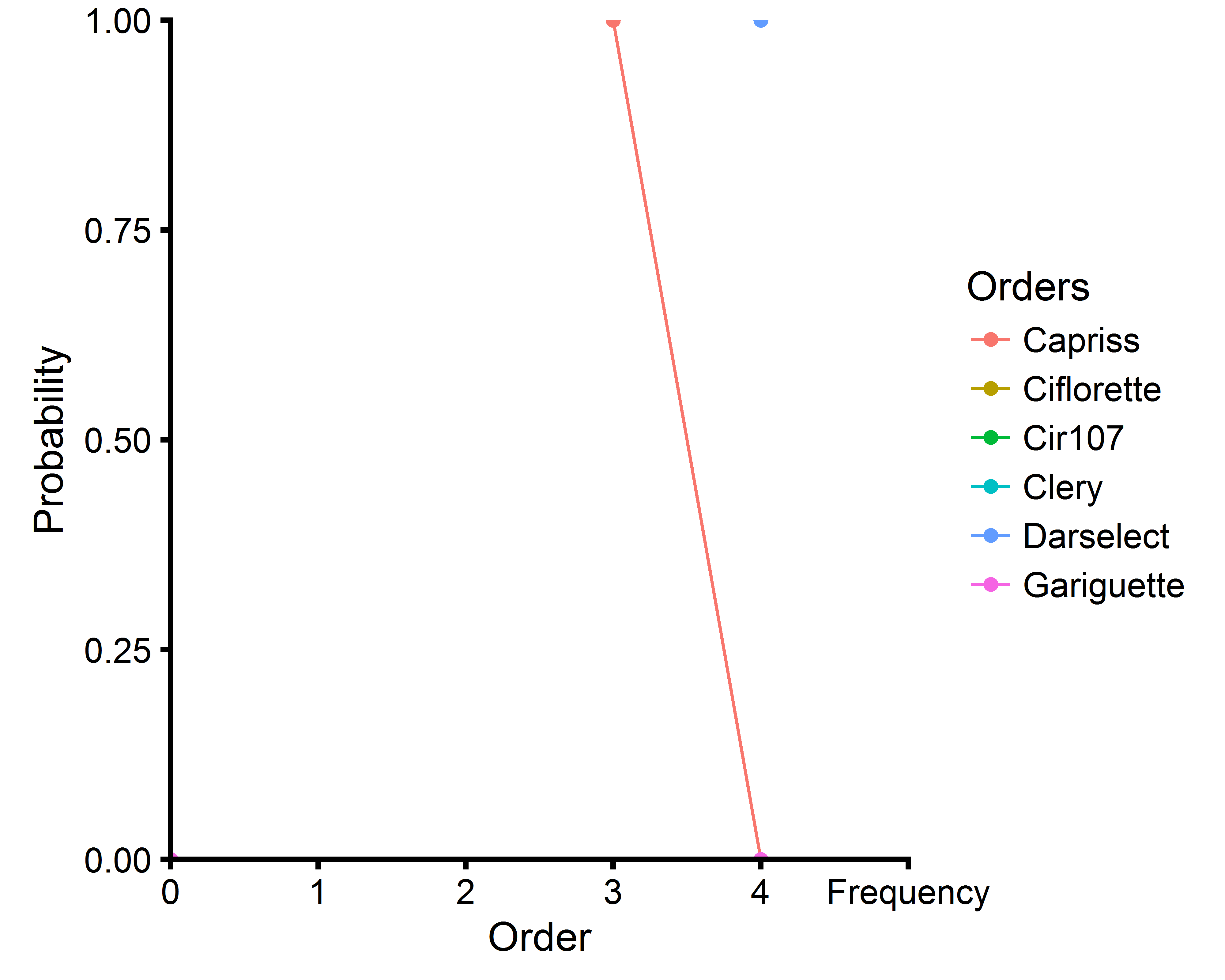
dat\_ramif<- dat\_group[!dat\_group[,"type\_of\_crown"]=="Primary\_Crown",]  
  
Capriss<-fc\_dist\_cat\_variable\_by\_order(data = dat\_ramif,  
 genotype = "Capriss",  
 varname = "type\_of\_crown",  
 prob = F)  
  
Ciflorette<-fc\_dist\_cat\_variable\_by\_order(data = dat\_ramif,  
 genotype = "Ciflorette",  
 varname = "type\_of\_crown",  
 prob = F)  
  
Cir107<-fc\_dist\_cat\_variable\_by\_order(data = dat\_ramif,  
 genotype = "Cir107",  
 varname = "type\_of\_crown",  
 prob = F)  
  
Clery<-fc\_dist\_cat\_variable\_by\_order(data = dat\_ramif,  
 genotype = "Clery",  
 varname = "type\_of\_crown",  
 prob = F)  
  
Darselect<-fc\_dist\_cat\_variable\_by\_order(data = dat\_ramif,  
 genotype = "Darselect",  
 varname = "type\_of\_crown",  
 prob = F)  
  
Gariguette<-fc\_dist\_cat\_variable\_by\_order(data = dat\_ramif,  
 genotype = "Gariguette",  
 varname = "type\_of\_crown",  
 prob = F)  
  
tab12<-merge(x = Capriss,  
 y = Ciflorette,   
 all=T)  
  
tab12<-merge(x = tab12,  
 y = Cir107,  
 all=T)  
  
tab12<-merge(x = tab12,  
 y = Clery,   
 all=T)  
  
tab12<-merge(x = tab12,  
 y = Darselect,   
 all=T)  
  
tab12<-merge(x = tab12,  
 y = Gariguette,   
 all=T)  
  
tab12<- tab12[order(tab12$genotype),]  
  
kable(x = tab12,  
 digits = 2,  
 caption = "Relative frequency distribution or branch crown and extention crown as function of module orders for each variety")

Relative frequency distribution or branch crown and extention crown as function of module orders for each variety

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Primary\_Crown | Extention\_Crown | Branch\_Crown | Frequency | genotype | Index |
| 1 | 0 | 0 | 0 | 0 | Capriss | 0 |
| 2 | 0 | 0 | 0 | 0 | Capriss | 4 |
| 16 | 0 | 34 | 1 | 35 | Capriss | 3 |
| 18 | 0 | 36 | 154 | 190 | Capriss | 1 |
| 30 | 0 | 99 | 3 | 102 | Capriss | 2 |
| 35 | 0 | 169 | 158 | 327 | Capriss | Frequency |
| 3 | 0 | 0 | 0 | 0 | Ciflorette | 0 |
| 13 | 0 | 20 | 0 | 20 | Ciflorette | 4 |
| 15 | 0 | 29 | 2 | 31 | Ciflorette | 3 |
| 23 | 0 | 40 | 75 | 115 | Ciflorette | 1 |
| 28 | 0 | 65 | 13 | 78 | Ciflorette | 2 |
| 34 | 0 | 154 | 90 | 244 | Ciflorette | Frequency |
| 4 | 0 | 0 | 0 | 0 | Cir107 | 0 |
| 8 | 0 | 8 | 0 | 8 | Cir107 | 4 |
| 19 | 0 | 37 | 4 | 41 | Cir107 | 3 |
| 21 | 0 | 39 | 115 | 154 | Cir107 | 1 |
| 29 | 0 | 97 | 13 | 110 | Cir107 | 2 |
| 36 | 0 | 181 | 132 | 313 | Cir107 | Frequency |
| 5 | 0 | 0 | 0 | 0 | Clery | 0 |
| 11 | 0 | 11 | 3 | 14 | Clery | 4 |
| 14 | 0 | 28 | 6 | 34 | Clery | 3 |
| 22 | 0 | 40 | 58 | 98 | Clery | 1 |
| 27 | 0 | 50 | 13 | 63 | Clery | 2 |
| 32 | 0 | 129 | 80 | 209 | Clery | Frequency |
| 6 | 0 | 0 | 0 | 0 | Darselect | 0 |
| 9 | 0 | 8 | 1 | 9 | Darselect | 4 |
| 17 | 0 | 34 | 5 | 39 | Darselect | 3 |
| 24 | 0 | 48 | 39 | 87 | Darselect | 1 |
| 25 | 0 | 49 | 8 | 57 | Darselect | 2 |
| 33 | 0 | 139 | 53 | 192 | Darselect | Frequency |
| 7 | 0 | 0 | 0 | 0 | Gariguette | 0 |
| 10 | 0 | 10 | 0 | 10 | Gariguette | 4 |
| 12 | 0 | 19 | 2 | 21 | Gariguette | 3 |
| 20 | 0 | 37 | 57 | 94 | Gariguette | 1 |
| 26 | 0 | 50 | 12 | 62 | Gariguette | 2 |
| 31 | 0 | 116 | 71 | 187 | Gariguette | Frequency |

* **Visualization of relative frequency of proportion of Branch/Extension crown**
  + *Plot of relative frequencies of branch crown*

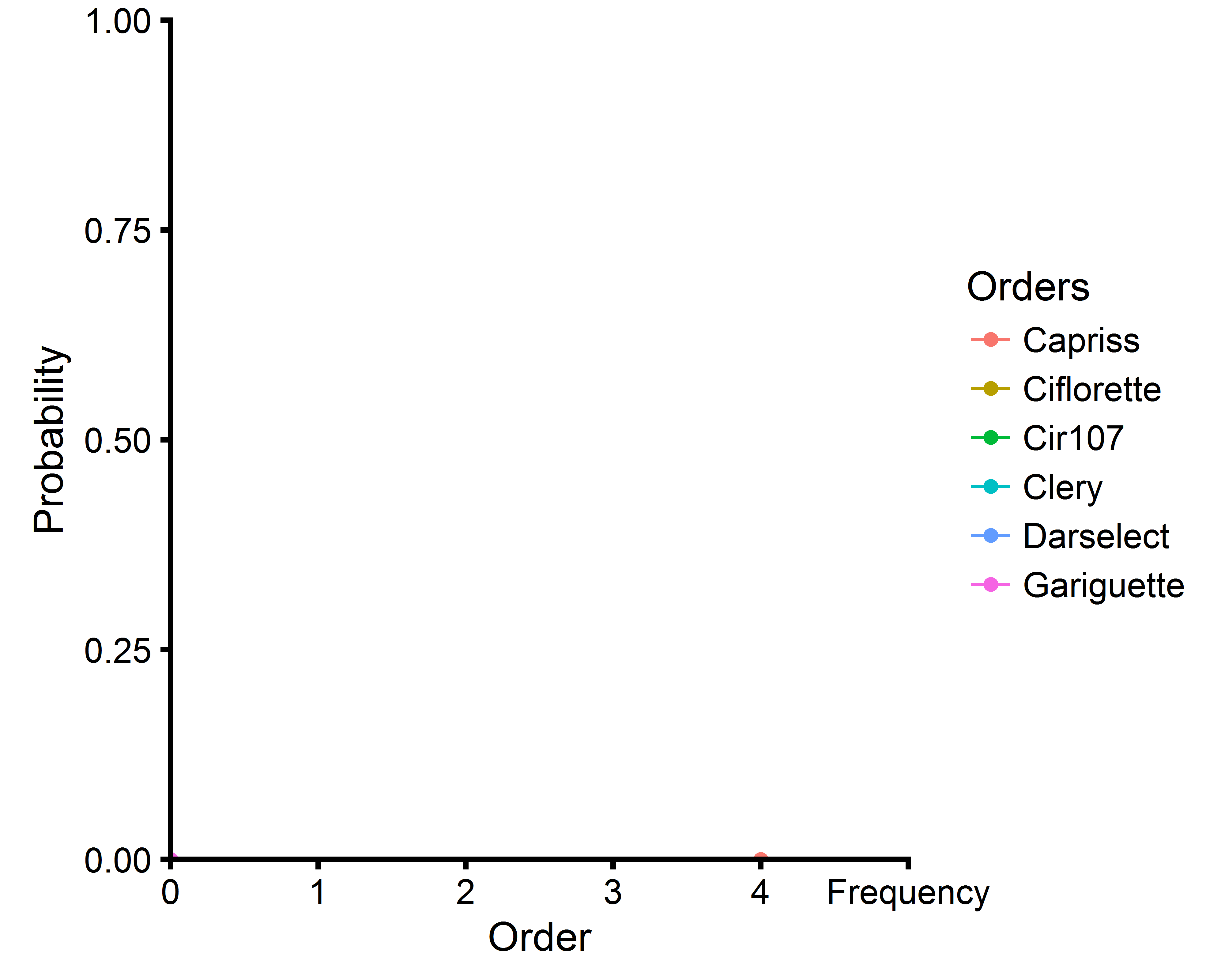
fc\_dist\_cat\_variable\_by\_order.plot(data = tab12,  
 varname = "Branch\_Crown")



Relative frequencies of branch crown as a function of module orders for each varieties

\* \* Plot of relative frequency of extension crown\*

fc\_dist\_cat\_variable\_by\_order.plot(data = tab12,  
 varname = "Extention\_Crown")



Relative frequencies of extension crown as a function of module orders for each varieties

##### Comparison of Branch crown for successive order

* **Identification from wich module variable was roughly constant for each varieties (chi2-test)**
  + *Comparison from zeroth-order module (from >= 1)*

Capriss<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Capriss",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("1","2","3"),  
 parameter = ">=1",  
 table = F)  
  
Ciflorette<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Ciflorette",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("1","2","3","4"),  
 parameter = ">=1",  
 table = F)  
  
Cir107<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Cir107",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("1","2","3","4"),  
 parameter = ">=1",  
 table = F)  
  
Clery<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Clery",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("1","2","3","4"),  
 parameter = ">=1",  
 table = F)  
  
Darselect<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Darselect",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("1","2","3","4"),  
 parameter = ">=1",  
 table = F)  
  
Gariguette<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Gariguette",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("1","2","3","4"),  
 parameter = ">=1",  
 table = F)  
  
  
tab13<-merge(x = Capriss,  
 y = Ciflorette,  
 all=T)  
  
tab13<-merge(x = tab13,  
 y = Cir107,   
 all=T)  
  
tab13<-merge(x = tab13,  
 y = Clery,   
 all=T)  
  
tab13<-merge(x = tab13,  
 y = Darselect,  
 all=T)  
  
tab13<-merge(x = tab13,  
 y = Gariguette,   
 all=T)  
  
tab13<- tab13[order(tab13$genotype),]  
  
kable(x = tab13,  
 digits = 2,   
 caption = "Chi2 Comparaison of proportion of branch/extension crown for successive module order from first-order module onward")

Chi2 Comparaison of proportion of branch/extension crown for successive module order from first-order module onward

|  |  |  |
| --- | --- | --- |
| genotype | parameter | p.value |
| Capriss | >=1 | 0 |
| Ciflorette | >=1 | 0 |
| Cir107 | >=1 | 0 |
| Clery | >=1 | 0 |
| Darselect | >=1 | 0 |
| Gariguette | >=1 | 0 |

\* \*Comparison from zeroth-order module (from >= 2)\*

Capriss<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Capriss",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("2","3"),  
 parameter = ">=2",  
 table = F)  
  
Ciflorette<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Ciflorette",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("2","3","4"),  
 parameter = ">=2",  
 table = F)  
  
Cir107<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Cir107",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("2","3","4"),  
 parameter = ">=2",  
 table = F)  
  
Clery<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Clery",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("2","3","4"),  
 parameter = ">=2",  
 table = F)  
  
Darselect<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Darselect",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("2","3","4"),  
 parameter = ">=2",  
 table = F)  
  
Gariguette<- fc\_chi\_by\_order(data = dat\_group,  
 genotype = "Gariguette",  
 varname = "type\_of\_crown",  
 var.comp = c("Branch\_Crown",  
 "Extention\_Crown"),  
 idx.comp = c("2","3","4"),  
 parameter = ">=2",  
 table = F)  
  
  
tab14<-merge(x = Capriss,  
 y = Ciflorette,  
 all=T)  
  
tab14<-merge(x = tab14,  
 y = Cir107,   
 all=T)  
  
tab14<-merge(x = tab14,  
 y = Clery,   
 all=T)  
  
tab14<-merge(x = tab14,  
 y = Darselect,  
 all=T)  
  
tab14<-merge(x = tab14,  
 y = Gariguette,   
 all=T)  
  
tab14<- tab14[order(tab14$genotype),]  
  
kable(x = tab14,  
 digits = 2,   
 caption = "Chi2 Comparaison of proportion of branch/extension crown for successive module order from second-order module onwards")

Chi2 Comparaison of proportion of branch/extension crown for successive module order from second-order module onwards

|  |  |  |
| --- | --- | --- |
| genotype | parameter | p.value |
| Capriss | >=2 | 1.00 |
| Ciflorette | >=2 | 0.07 |
| Cir107 | >=2 | 0.57 |
| Clery | >=2 | 0.93 |
| Darselect | >=2 | 0.96 |
| Gariguette | >=2 | 0.20 |

* \*\* Comparison between varieties for zeroth-order modules and from first-order module onward\*\*
* *Comparison between varieties for first-order module*

dat\_group\_Order1<- dat\_group[dat\_group[,"Index"]=="1",]  
  
tab15<-fc\_comp\_varieties\_chi2.fisher(data = dat\_group\_Order1,  
 varname = "type\_of\_crown",  
 comp = "genotype")  
  
kable(x = tab15,  
 digits = 2,  
 caption = "Fisher comparison of proportion of branch crown extension crown for the first-order module (Order1)")

Fisher comparison of proportion of branch crown extension crown for the first-order module (Order1)

|  |  |
| --- | --- |
| comparison | p.value |
| Gariguette:Ciflorette | 0.60 |
| Gariguette:Clery | 0.88 |
| Gariguette:Capriss | 0.00 |
| Gariguette:Darselect | 0.06 |
| Gariguette:Cir107 | 0.04 |
| Ciflorette:Clery | 0.46 |
| Ciflorette:Capriss | 0.01 |
| Ciflorette:Darselect | 0.01 |
| Ciflorette:Cir107 | 0.14 |
| Clery:Capriss | 0.00 |
| Clery:Darselect | 0.08 |
| Clery:Cir107 | 0.03 |
| Capriss:Darselect | 0.00 |
| Capriss:Cir107 | 0.24 |
| Darselect:Cir107 | 0.00 |

* *Comparison between varieties from second-order module onwards*

tab15<-fc\_comp\_varieties\_chi2.fisher(data = dat\_group\_from\_Order2,  
 varname = "type\_of\_crown",  
 comp = "genotype")  
  
kable(x = tab15,  
 digits = 2,  
 caption = "Fisher comparison of proportion of branch crown extension crown from second-order module onwards (Order>=2)")

Fisher comparison of proportion of branch crown extension crown from second-order module onwards (Order>=2)

|  |  |
| --- | --- |
| comparison | p.value |
| Gariguette:Ciflorette | 0.90 |
| Gariguette:Clery | 1.00 |
| Gariguette:Capriss | 0.07 |
| Gariguette:Darselect | 0.08 |
| Gariguette:Cir107 | 0.52 |
| Ciflorette:Clery | 0.89 |
| Ciflorette:Capriss | 0.04 |
| Ciflorette:Darselect | 0.10 |
| Ciflorette:Cir107 | 0.33 |
| Clery:Capriss | 0.07 |
| Clery:Darselect | 0.07 |
| Clery:Cir107 | 0.52 |
| Capriss:Darselect | 0.00 |
| Capriss:Cir107 | 0.22 |
| Darselect:Cir107 | 0.01 |