Pollen Restriction Retinue munging

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December 13, 2016

Calculates propotion of bees responding to queen pheromone

total<-day7$obs1+day7$obs2+day7$obs3+day7$obs4+day7$obs5+day7$obs6  
total

## [1] 0 0 4 0 8 5 1 1 9 13 13 16 6 17 0 4 3 5 3 0 23 0 41  
## [24] 40 26 10 1 1 1 2 0 3 7 19 2 44 31 11 13 11 1 7 5 0 39 41  
## [47] 14 57 63 16

survivorstimes6<-day7$Survivors\*6  
proportion<-total/survivorstimes6  
proportion<-total/day7$Survivors  
proportion

## [1] 0.00000000 0.00000000 0.16666667 0.00000000 0.42105263 0.19230769  
## [7] 0.04166667 0.04000000 0.34615385 0.43333333 0.44827586 0.59259259  
## [13] 0.25000000 0.58620690 0.00000000 0.16000000 0.10714286 0.17857143  
## [19] 0.12000000 0.00000000 0.82142857 0.00000000 1.36666667 1.37931034  
## [25] 0.89655172 0.35714286 0.03703704 0.06250000 0.04000000 0.07692308  
## [31] 0.00000000 0.16666667 0.25000000 0.63333333 0.07407407 1.46666667  
## [37] 1.10714286 0.37931034 0.48148148 0.40740741 0.03448276 0.24137931  
## [43] 0.17241379 0.00000000 1.30000000 1.36666667 0.46666667 2.11111111  
## [49] 2.25000000 0.61538462

day7$total<-total  
head(day7)

## cage larvaltreatment colony date age mortality obs1 obs2 obs3 obs4  
## 1 10c2 control 10 8/9/16 7 0 0 0 0 0  
## 2 10c4 control 10 8/9/16 7 0 0 0 0 0  
## 3 10c5 control 10 8/9/16 7 1 0 1 1 1  
## 4 8un1 control 8 9/11/16 7 5 0 0 0 0  
## 5 8un3 control 8 9/11/16 7 3 1 1 3 0  
## 6 6un1 control 6 9/11/16 7 0 0 0 3 1  
## obs5 obs6 fed.pollen pulse Survivors fulltreatment total  
## 1 0 0 n 1 28 controlno 0  
## 2 0 0 n 1 22 controlno 0  
## 3 1 0 n 1 24 controlno 4  
## 4 0 0 n 3 17 controlno 0  
## 5 2 1 n 3 19 controlno 8  
## 6 0 1 n 3 26 controlno 5

day7$proportion<-proportion  
head(day7)

## cage larvaltreatment colony date age mortality obs1 obs2 obs3 obs4  
## 1 10c2 control 10 8/9/16 7 0 0 0 0 0  
## 2 10c4 control 10 8/9/16 7 0 0 0 0 0  
## 3 10c5 control 10 8/9/16 7 1 0 1 1 1  
## 4 8un1 control 8 9/11/16 7 5 0 0 0 0  
## 5 8un3 control 8 9/11/16 7 3 1 1 3 0  
## 6 6un1 control 6 9/11/16 7 0 0 0 3 1  
## obs5 obs6 fed.pollen pulse Survivors fulltreatment total proportion  
## 1 0 0 n 1 28 controlno 0 0.0000000  
## 2 0 0 n 1 22 controlno 0 0.0000000  
## 3 1 0 n 1 24 controlno 4 0.1666667  
## 4 0 0 n 3 17 controlno 0 0.0000000  
## 5 2 1 n 3 19 controlno 8 0.4210526  
## 6 0 1 n 3 26 controlno 5 0.1923077