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setwd(pfolder)
files <- list.files(pattern = "Bioassay", ignore.case = TRUE)
all<-tlist

for(file in files){
all<-all[,1:ncolt]
data<-read.csv(file,header = TRUE,sep = ",")
#data$CID<-as.character(data$CID)

d2<-inner_join(tlist,data,by="CID")

d3<-filter(d2,d2$Activity.Outcome %in%
c("Inactive","Active","Inconclusive"))

d4<-filter(d3,!is.na(d3$CAS))
d4<-d4[,c(2,5:ncolt)]
n<- d4 %>% group_by(CAS) %>%
  summarize(n=n())
all1<-left_join(filter(all,!is.na(all$CAS)), n, by= 'CAS')

d5<-filter(d3,is.na(d3$CAS))
d5<-d5[,c(1,5:ncolt)]
n1<- d5 %>% group_by(CID) %>%
  summarize(n=n())
all2<-left_join(filter(all,is.na(all$CAS)), n1, by= 'CID')

all<-rbind(all1,all2)

all<-all[order(all$CID,all$CAS,na.last=FALSE),]

for (i in 1:dim(all)[1]) {
  all$exp[i]<-max(all$exp[i],all$n[i])}
all[,5:ncolt][is.na(all[,5:ncolt])] <- 0
}

wb <- loadWorkbook(outfile)
writeData(wb, sheet = "Bioassay", all[1:ncolt], colNames = F,startRow=3)
saveWorkbook(wb,outfile,overwrite = T)

```