```
## This script is for automated generation of merged summary tables
## extracted from a list of lme models (nlme library in R)

## A list of lme models is required as the only input variable
## A proper installation of the reshape and nlme packages is required.

## written by C. Scherber, 17th November 2009.
## last updated 19th November 2009

extract.lme.anovas<-function(modellist){
require(nlme)
require(reshape)

ttables=lapply(modellist,function(x)data.frame(
     name=rep(
          as.character( anova(x)$call) [2],
          dim(anova(x)) [1]),
     call=rep(
          paste(as.character( anova(x)$call),collapse=" "),
          dim(anova(x))[1]),
     params=row.names(data.frame(anova(x))),
     data.frame(anova(x),stringsAsFactors=F)
))

names(ttables)=names(modellist)
m1=melt(ttables,id.vars=c("name","call","params"))

c2=cast(m1,L1+variable+call~params,function(x)mean(x,na.rm=T))
return(c2)
}
```