```r
# Code based on selMod from the pgirmess library, modified by C. Scherber, April 2009 selMod.lme=
function (aModel, Order = "AICc", dropNull = FALSE, selconv = TRUE,
...)
{
require(nlme)
require(pgirmess)
trm <- attributes(terms(aModel))$term.labels
models <- rep(list(NA), length(trm) + 1)
models[[1]] <- update(aModel, . ~ 1)
if (attr(terms(aModel),"intercept")!=1) {
for (i in 1:(length(trm))) {
models[[i + 1]] <- update(models[[i]], formula(paste(".~.-1+",
trm[i], sep = "")))
}
}
else {
for (i in 1:(length(trm))) {
models[[i + 1]] <- update(models[[i]], formula(paste(".~.+",
trm[i], sep = "")))
}
}
if (dropNull) {
models <- models[-1]
}
if (selconv) {
if ("glm" %in% class(models[[1]])) {
x <- length(models)
conv <- rep(TRUE, x)
for (i in 1:length(models)) conv[i] <- models[[i]]$converged
models <- models[conv]
if (length(models) < x)
warning("Non convergent model(s) have been removed",
call. = FALSE)
}
x <- length(models)
sel <- rep(TRUE, x)
for (i in 1:length(models)) {
if (sum(ifelse(anova(models[[i]])$Df == 0, 1, 0),
na.rm = TRUE) != 0)
sel[i] <- FALSE
}
models <- models[sel]
if (length(models) < x)
warning("Model(s) with anova singularity have been removed",
call. = FALSE)
}
selMod.list(models)
}
```