Dry matter response in ALFAM2 model

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```r
rm(list = ls())
library(ALFAM2)
library(ggplot2)
library(dplyr)
source('../../functions/rounddf.R')
```

Get, tweak pars

```r
load('../../parameters/parf.RData')
pars <- parf
pars['man.ph.r1'] <- 0.66
pars['man.ph.r3'] <- 0.24
```

Input data.

```r
dat <- data.frame(ct = 168, man.dm = 1:150/10,
                  TAN.app = 100)
dat$id <- 1:nrow(dat)
```

Run model.

```r
pred1 <- ALFAM2mod(dat, group = 'id')
```

```
## Warning in ALFAM2mod(dat, group = "id"): Running with 6 parameters. Dropped 14 with no match.
## These secondary parameters have been dropped: app.mthd.os.f0, app.rate.f0, incorp.deep.f4, incorp.sha
```

```r
pred2 <- ALFAM2mod(dat, pars = pars, group = 'id')
```

```
## Warning in ALFAM2mod(dat, pars = pars, group = "id"): Running with 6 parameters. Dropped 18 with no m
## These secondary parameters have been dropped: man.ph.r1, man.ph.r3, app.mthd.os.f0, app.rate.nos.f0,
```

```r
plot(dat$man.dm, pred1$er, type = 'l', ylim = c(0.1, 0.4))
lines(dat$man.dm, pred2$er, col = 'red')
```