I.TAC

```
Nb excluded (LOD): 3
Nb obs control squirrel: 11
Nb obs control cyno: 28
```
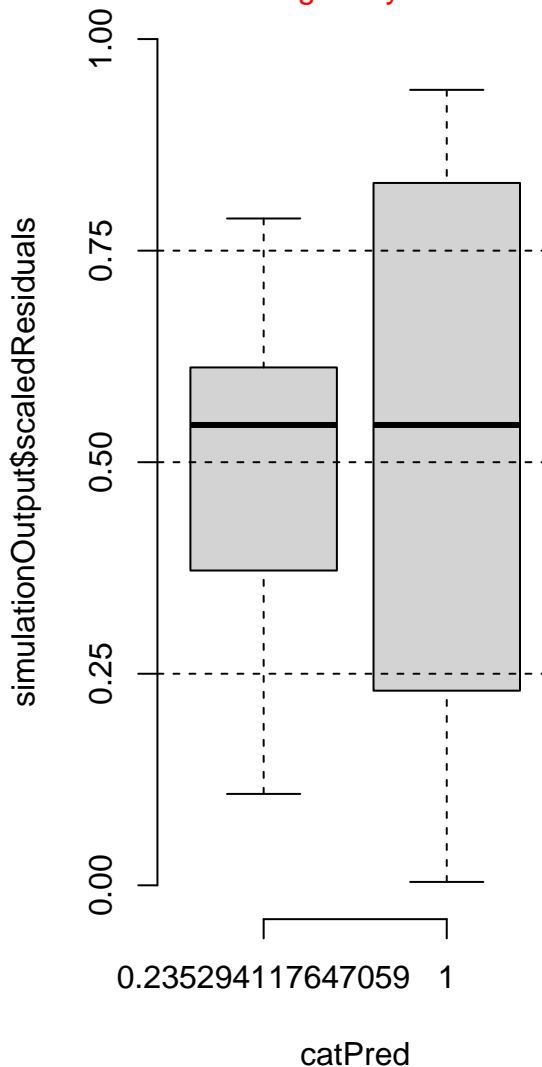
DHARMa residual

QQ plot residuals

KS test: p= 0.97964
Deviation n.s.

Dispersion test: p= 0.704
Deviation n.s.

Outlier test: p= 1
Deviation n.s.

Observed

Expected

Within−group deviation from uniformity n.s.
Levene Test for homogeneity of variance signific

simulationOutput$scaledResiduals

0.235294117647059   1

catPred

```
 Family: gaussian  ( identity )
Formula:          log10(value) ~ NHP + (1 | ID) + (1 | day)
Data: my_df

     AIC      BIC   logLik deviance df.resid
   -63.7    -55.4     36.8    -73.7       34

Random effects:

Conditional model:
 Groups   Name        Variance Std.Dev.
 ID       (Intercept) 0.002104 0.04587
 day      (Intercept) 0.001029 0.03208
 Residual             0.006694 0.08181
Number of obs: 39, groups:  ID, 7; day, 8

Dispersion estimate for gaussian family (sigma^2): 0.00669

Conditional model:
            Estimate Std. Error z value Pr(>|z|)
(Intercept)  1.66880    0.03828   43.60   <2e-16 ***
NHPCyno      0.37087    0.04595    8.07    7e-16 ***
---
Signif. codes:  0 ...***... 0.001 ...**... 0.01 ...*... 0.05 ....... 0.1 ... ... 1
```

MIP.1a

```
Nb excluded (LOD): 19
Nb obs control squirrel: 1
Nb obs control cyno: 22
```

DHARMa residual

QQ plot residuals
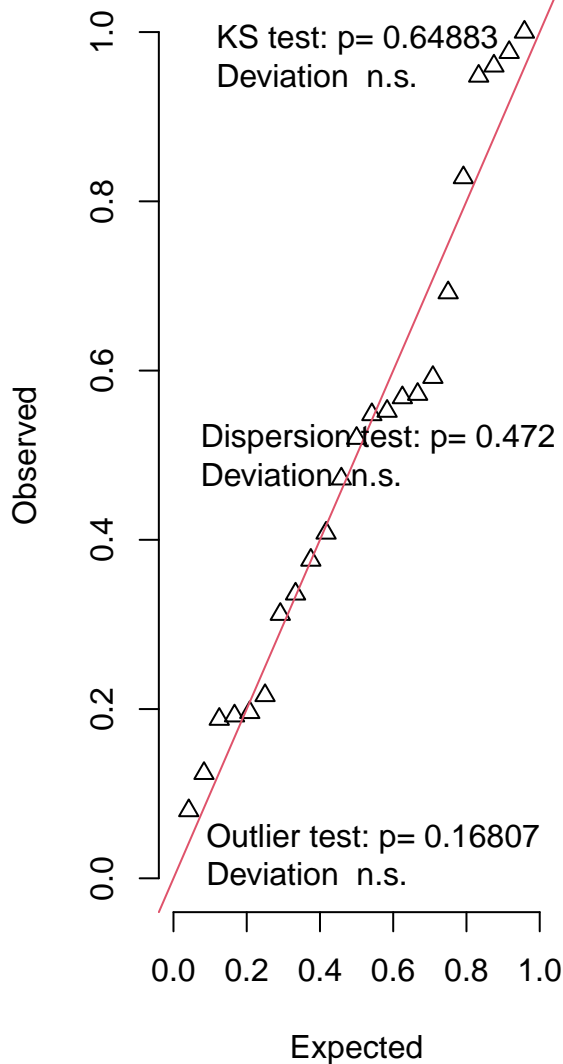
KS test: p= 0.64883
Deviation n.s.

Dispersion test: p= 0.472
Deviation n.s.

Outlier test: p= 0.16807
Deviation n.s.

Observed

Expected

Within−group deviation from uniformity n.s.
Levene Test for homogeneity of variance n.s.

simulationOutput$scaledResiduals

catPred
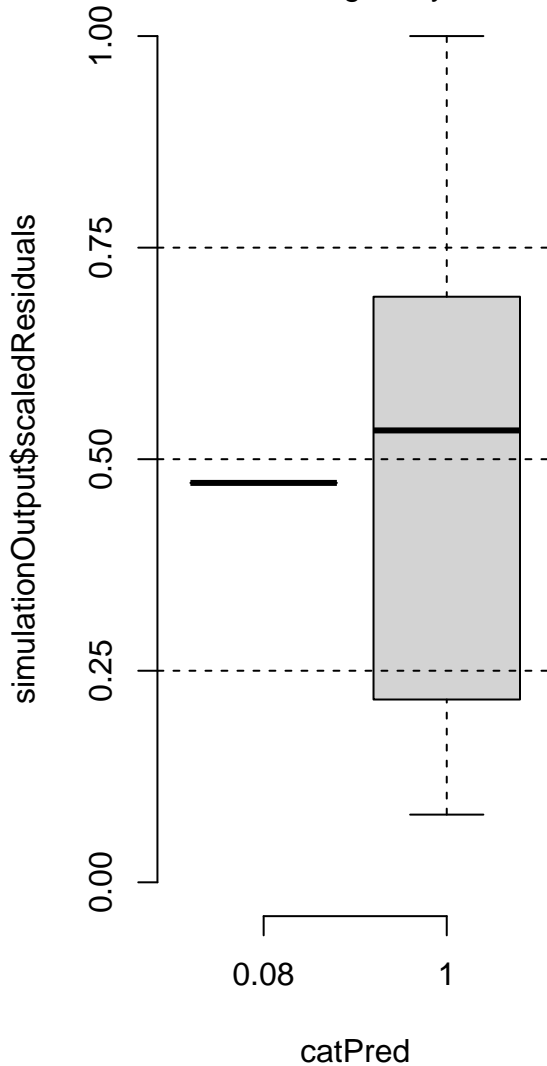
```
 Family: gaussian  ( identity )
Formula:          log10(value) ~ NHP + (1 | ID) + (1 | day)
Data: my_df

     AIC      BIC   logLik deviance df.resid
    -1.5      4.2      5.7    -11.5       18

Random effects:

Conditional model:
 Groups   Name        Variance  Std.Dev.
 ID       (Intercept) 2.698e-02 1.643e-01
 day      (Intercept) 1.249e-11 3.534e-06
 Residual             2.528e-02 1.590e-01
Number of obs: 23, groups:  ID, 5; day, 7

Dispersion estimate for gaussian family (sigma^2): 0.0253

Conditional model:
            Estimate Std. Error z value Pr(>|z|)
(Intercept)   1.4573     0.2286   6.375 1.83e-10 ***
NHPCyno       0.3664     0.2468   1.485    0.138
---
Signif. codes:  0 ...***... 0.001 ...**... 0.01 ...*... 0.05 ....... 0.1 ... ... 1
```

RANTES

```
Nb excluded (LOD): 3
Nb obs control squirrel: 11
Nb obs control cyno: 28
```

DHARMa residual

QQ plot residuals

KS test: p= 0.18502
Deviation n.s.

Dispersion test: p= 0.776
Deviation n.s.

Outlier test: p= 1
Deviation n.s.

Observed

Expected

Within−group deviation from uniformity n.s.
Levene Test for homogeneity of variance n.s.

simulationOutput$scaledResiduals

0.235294117647059   1

catPred
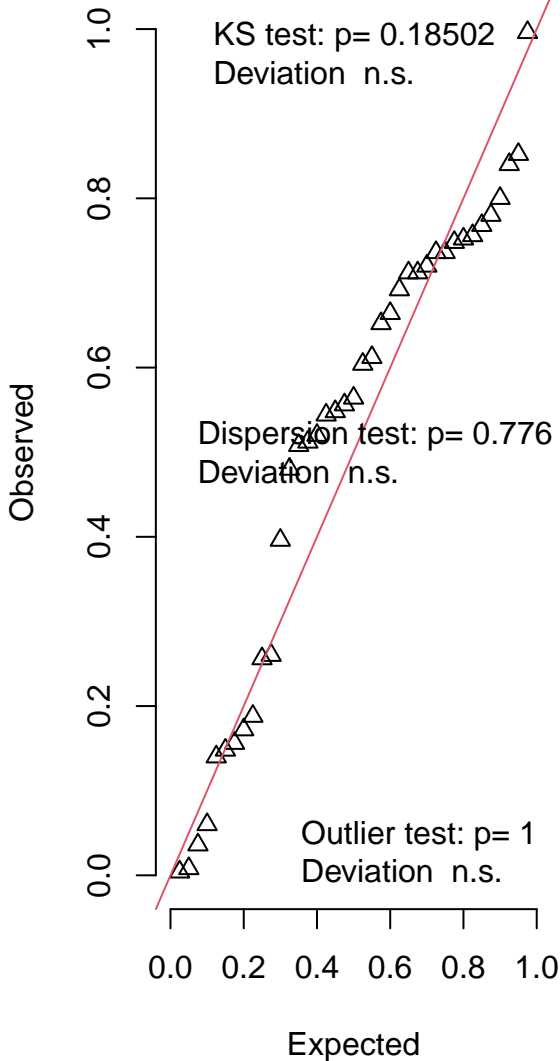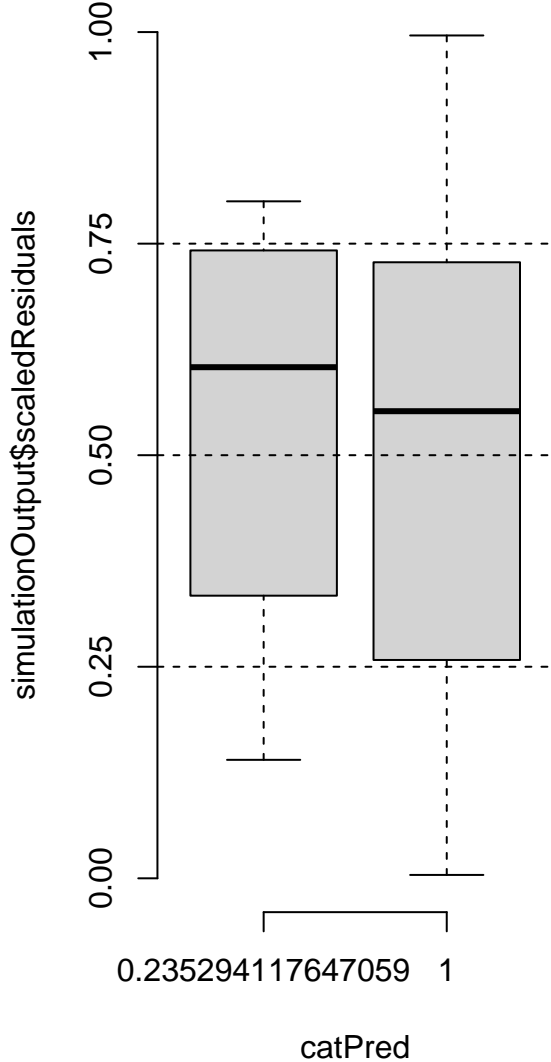
```
 Family: gaussian  ( identity )
Formula:          log10(value) ~ NHP + (1 | ID) + (1 | day)
Data: my_df

     AIC      BIC   logLik deviance df.resid
    -8.9     -0.6      9.4    -18.9       34

Random effects:

Conditional model:
 Groups    Name         Variance  Std.Dev.
 ID        (Intercept) 8.666e-03 9.309e-02
 day       (Intercept) 5.165e-12 2.273e-06
 Residual              3.042e-02 1.744e-01
Number of obs: 39, groups:  ID, 8; day, 8

Dispersion estimate for gaussian family (sigma^2): 0.0304

Conditional model:
            Estimate Std. Error z value Pr(>|z|)
(Intercept)  1.40604    0.07204   19.52   <2e-16 ***
NHPCyno      2.09108    0.09189   22.76   <2e-16 ***
---
Signif. codes:  0 ...***... 0.001 ...**... 0.01 ...*... 0.05 ....... 0.1 ... ... 1
```

Eotaxin

```
Nb excluded (LOD): 14
Nb obs control squirrel: 0
Nb obs control cyno: 28
```

Eotaxin ERROR : les contrastes ne peuvent être appliqués qu'aux facteurs ayant au moins deux niveaux