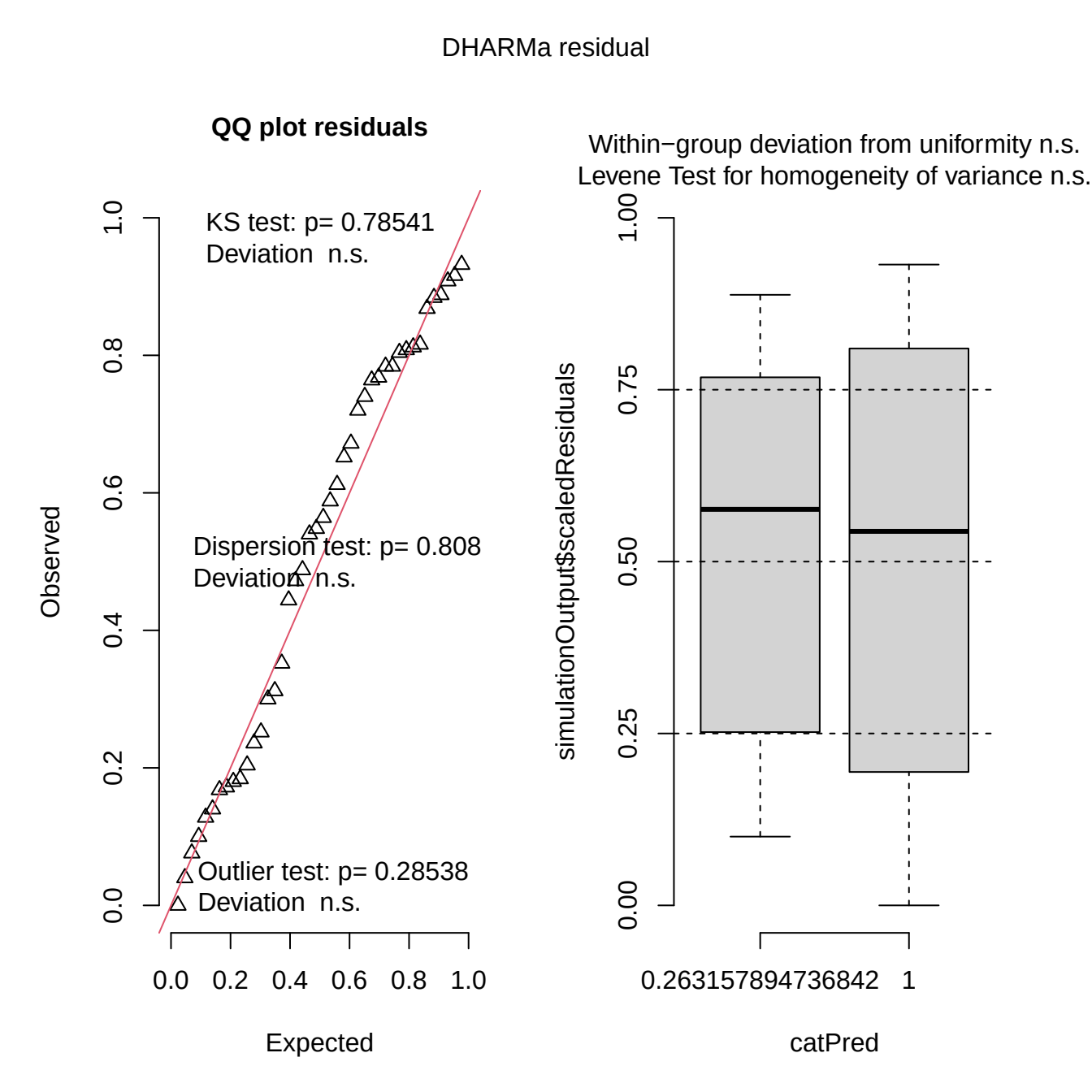
I.TAC

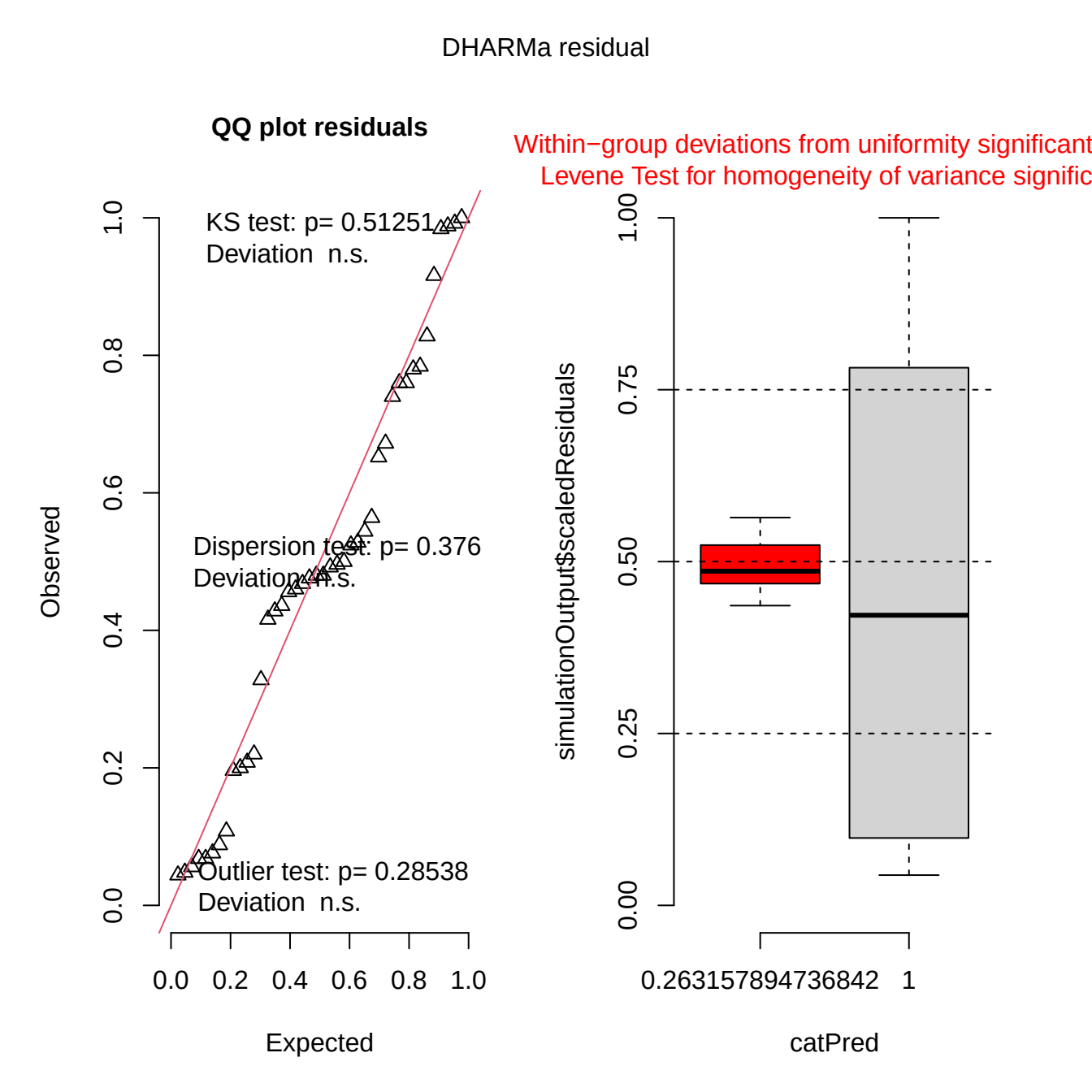
```
Nb obs control squirrel: 14
Nb obs control cyno: 28
```


DHARMa residual
QQ plot residuals
KS test: p= 0.78541
Deviation n.s.
Dispersion test: p= 0.808
Deviation n.s.
Outlier test: p= 0.28538
Deviation n.s.
Observed
Expected
0.0
0.2
0.4
0.6
0.8
1.0
Within−group deviation from uniformity n.s.
Levene Test for homogeneity of variance n.s.
simulationOutput$scaledResiduals
0.00
0.25
0.50
0.75
1.00
0.263157894736842
1
catPred

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

     AIC      BIC   logLik deviance df.resid
   −67.7    −59.0     38.8    −77.7       37

Random effects:

Conditional model:
 Groups   Name        Variance  Std.Dev.
 ID       (Intercept) 0.0036041 0.06003
 day      (Intercept) 0.0006905 0.02628
 Residual             0.0066887 0.08178
Number of obs: 42, groups:  ID, 8; day, 8

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

Conditional model:
            Estimate Std. Error z value Pr(>|z|)
(Intercept)  1.62812    0.03850   42.29  < 2e−16 ***
NHPCyno      0.41111    0.05052    8.14 4.02e−16 ***
−−−
Signif. codes:  0 ...***... 0.001 ...**... 0.01 ...*... 0.05 ..... 0.1 ... ... 1
```

MIP.1a

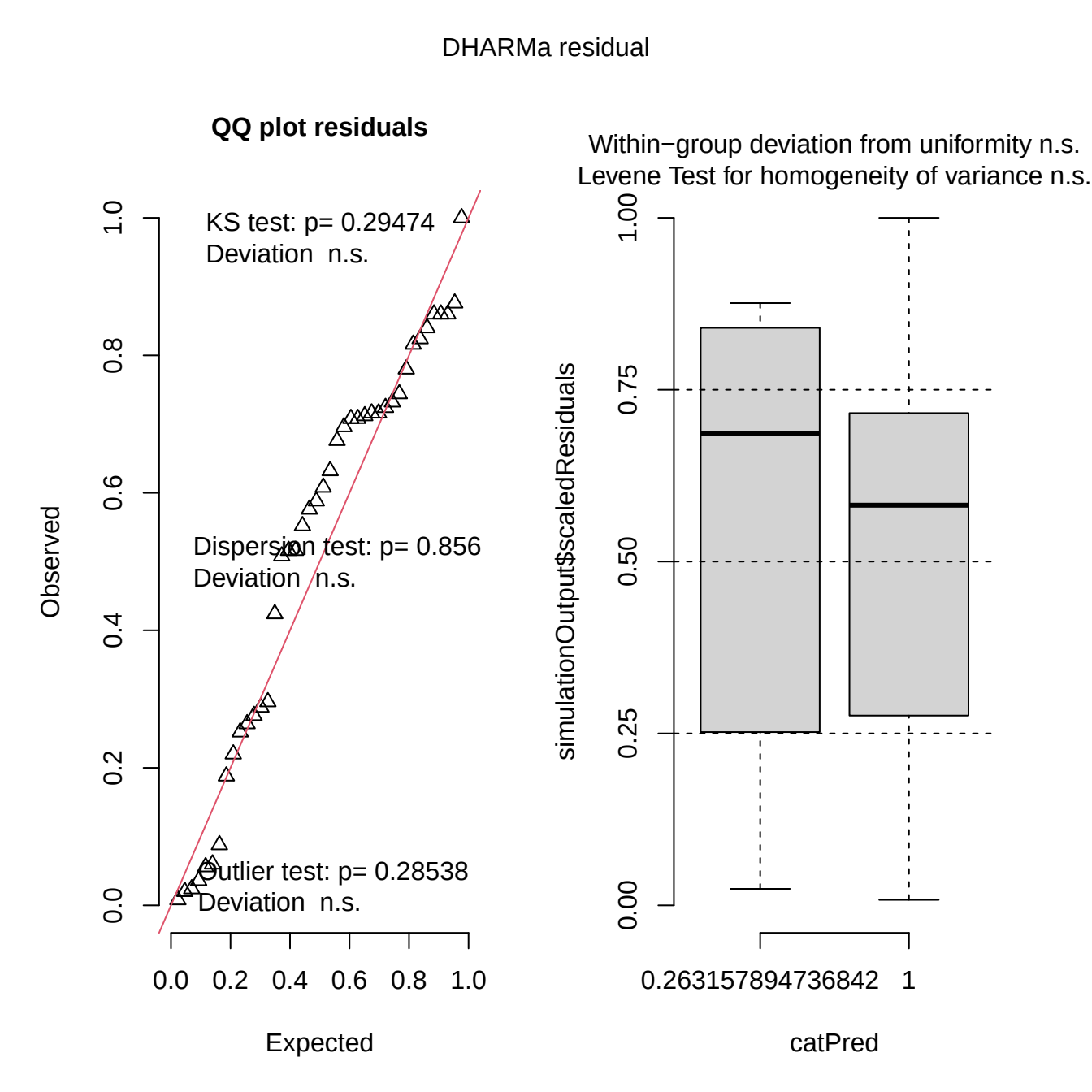
```
Nb obs control squirrel: 14
Nb obs control cyno: 28
```


DHARMa residual
QQ plot residuals
KS test: p= 0.51251
Deviation n.s.
Dispersion test: p= 0.376
Deviation n.s.
Outlier test: p= 0.28538
Deviation n.s.
Observed
Expected
0.0
0.2
0.4
0.6
0.8
1.0
Within−group deviations from uniformity significant
Levene Test for homogeneity of variance signific
simulationOutput$scaledResiduals
0.00
0.25
0.50
0.75
1.00
0.263157894736842
1
catPred

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

     AIC      BIC   logLik deviance df.resid
   −30.4    −21.8     20.2    −40.4       37

Random effects:

Conditional model:
 Groups   Name        Variance  Std.Dev.
 ID       (Intercept) 2.636e−02 1.624e−01
 day      (Intercept) 1.256e−11 3.545e−06
 Residual             1.439e−02 1.200e−01
Number of obs: 42, groups:  ID, 8; day, 8

Dispersion estimate for gaussian family (sigma^2): 0.0144

Conditional model:
            Estimate Std. Error z value Pr(>|z|)
(Intercept)  1.45364    0.08739  16.634  < 2e−16 ***
NHPCyno      0.31292    0.12141   2.577  0.00996 **
−−−
Signif. codes:  0 ...***... 0.001 ...**... 0.01 ...*... 0.05 ..... 0.1 ... ... 1
```

RANTES

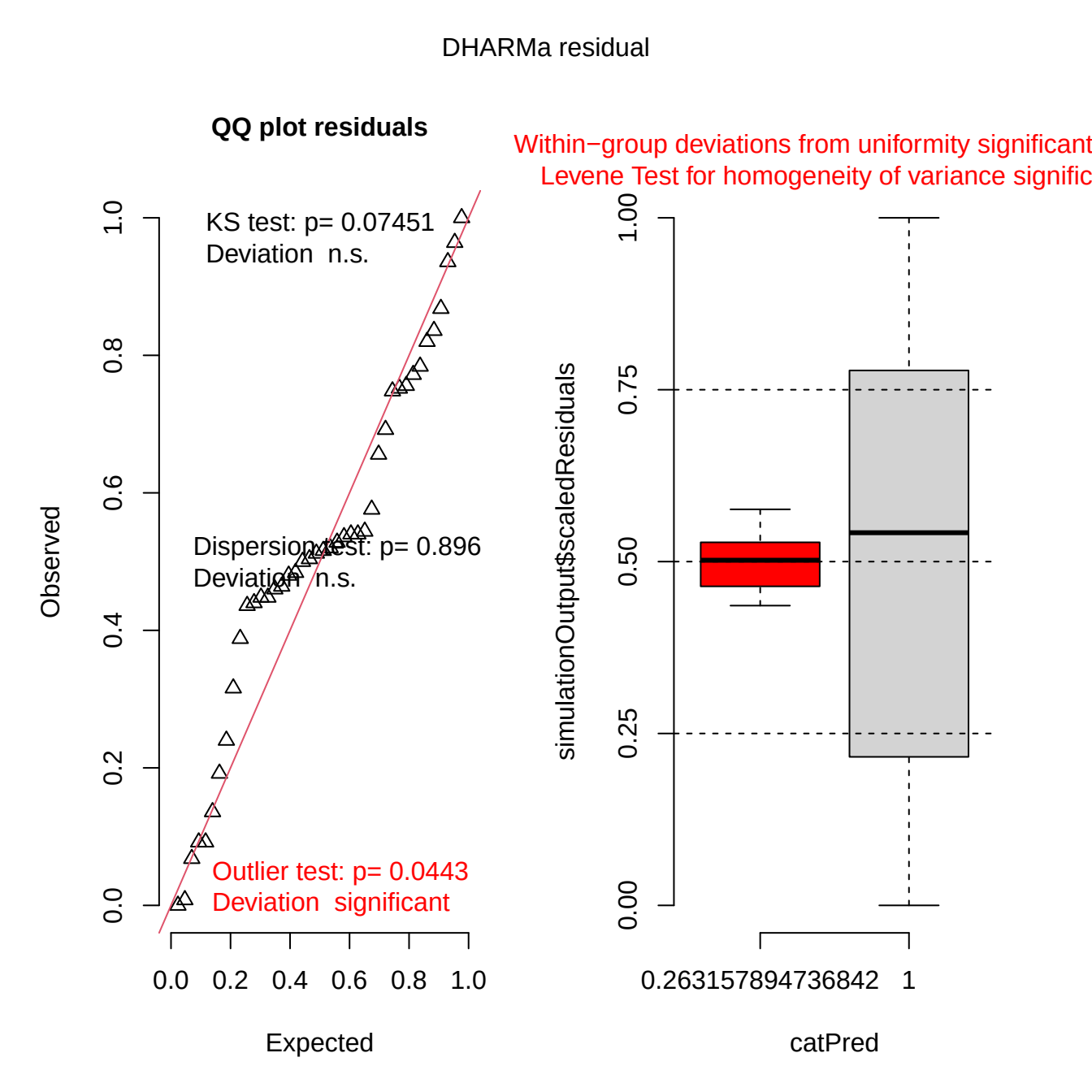
```
Nb obs control squirrel: 14
Nb obs control cyno: 28
```


DHARMa residual
QQ plot residuals
KS test: p= 0.29474
Deviation n.s.
Dispersion test: p= 0.856
Deviation n.s.
Outlier test: p= 0.28538
Deviation n.s.
Observed
Expected
0.0
0.2
0.4
0.6
0.8
1.0
Within−group deviation from uniformity n.s.
Levene Test for homogeneity of variance n.s.
simulationOutput$scaledResiduals
catPred
0.00
0.25
0.50
0.75
1.00
0.263157894736842
1

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

     AIC      BIC   logLik deviance df.resid
    −0.9      7.7      5.5    −10.9       37

Random effects:

Conditional model:
 Groups   Name        Variance  Std.Dev.
 ID       (Intercept) 1.249e−02 1.117e−01
 day      (Intercept) 2.557e−12 1.599e−06
 Residual             3.737e−02 1.933e−01
Number of obs: 42, groups:  ID, 8; day, 8

Dispersion estimate for gaussian family (sigma^2): 0.0374

Conditional model:
            Estimate Std. Error z value Pr(>|z|)
(Intercept)  1.30565    0.07631   17.11   <2e−16 ***
NHPCyno      2.19146    0.10139   21.61   <2e−16 ***
−−−
Signif. codes:  0 ...***... 0.001 ...**... 0.01 ...*... 0.05 ..... 0.1 ... ... 1
```

Eotaxin

```
Nb obs control squirrel: 14
Nb obs control cyno: 28
```


DHARMa residual
QQ plot residuals
KS test: p= 0.07451
Deviation n.s.
Dispersion test: p= 0.896
Deviation n.s.
Outlier test: p= 0.0443
Deviation significant
Observed
Expected
0.0
0.2
0.4
0.6
0.8
1.0
Within−group deviations from uniformity significant
Levene Test for homogeneity of variance signific
simulationOutput$scaledResiduals
0.00
0.25
0.50
0.75
1.00
0.263157894736842
1
catPred

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

     AIC      BIC   logLik deviance df.resid
   −62.4    −53.7     36.2    −72.4       37

Random effects:

Conditional model:
 Groups   Name        Variance  Std.Dev.
 ID       (Intercept) 1.973e−05 4.442e−03
 day      (Intercept) 5.817e−11 7.627e−06
 Residual             1.042e−02 1.021e−01
Number of obs: 42, groups:  ID, 8; day, 8

Dispersion estimate for gaussian family (sigma^2): 0.0104

Conditional model:
            Estimate Std. Error z value Pr(>|z|)
(Intercept)  0.37840    0.02737   13.82   <2e−16 ***
NHPCyno      1.72447    0.03356   51.38   <2e−16 ***
−−−
Signif. codes:  0 ...***... 0.001 ...**... 0.01 ...*... 0.05 ..... 0.1 ... ... 1
```