```
## s(eval(BIRD_DENSITY)):year2012     1.000  1.000  0.000  0.99561
## s(eval(BIRD_DENSITY)):year2013     1.919  2.017 36.520 1.34e-13 ***
## s(eval(BIRD_DENSITY)):year2015     3.307  4.055 21.332 5.33e-15 ***
## s(eval(BIRD_DENSITY)):year2016     2.187  2.583 19.321 1.02e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## R-sq.(adj) =  0.806   Deviance explained = 82.6%
## GCV = 0.094149  Scale est. = 0.084072  n = 209
```

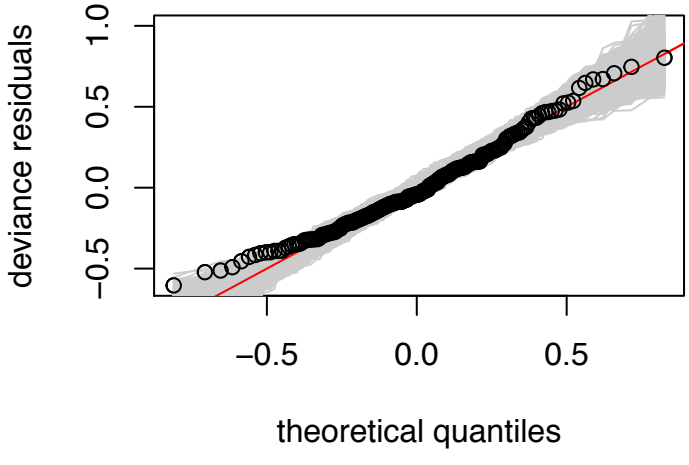
Results for the main text:

```
res = summary(bm)$p.table
res = cbind(res,Factor=10^(res[,"Estimate"]))
# Exponentiating the coefficient to get multiplicative factor
print.model.summary(res[2,5],res[2,3],res[2,4],units="x",effect.word="factor")
```

```
## [1] "factor = 3.4x, t = 9.34, P < 0.0001"
```

No evidence of any deviation; all points within the bounds of the simulated datasets.

```
qq.gam(bm,rep=1000,pch=1,level=1)
```



No evidence of any deviation or structure.

```
plot.lme(bm,type=c("p","smooth"),col.line="black")
```