

# Analysis of uncoupling antioxidant defense genes in quadriceps muscle from the pups of the maternal particulate inhalation study

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This script uses the `Sheet1` from `AntioxDefense.xlsx` and is located in the `C:/Users/esteph16/Documents/GitHub/Obes` directory. This analysis was most recently run on Mon Feb 15 11:12:00 2016.

## Statistics

## Session Information

- R version 3.1.1 (2014-07-10), x86\_64-w64-mingw32
- Locale: LC\_COLLATE=English\_United States.1252, LC\_CTYPE=English\_United States.1252, LC\_MONETARY=English\_United States.1252, LC\_NUMERIC=C, LC\_TIME=English\_United States.1252
- Base packages: base, datasets, graphics, grDevices, methods, stats, utils
- Other packages: car 2.0-25, plyr 1.8.3, rJava 0.9-7, xlsx 0.5.7, xlsxjars 0.6.1
- Loaded via a namespace (and not attached): grid 3.1.1, lattice 0.20-29, lme4 1.1-10, MASS 7.3-33, Matrix 1.2-3, MatrixModels 0.4-1, mgcv 1.8-0, minqa 1.2.4, nlme 3.1-117, nloptr 1.0.4, nnet 7.3-8, parallel 3.1.1, pbkrtest 0.4-4, quantreg 5.19, Rcpp 0.12.2, SparseM 1.7, splines 3.1.1, tools 3.1.1

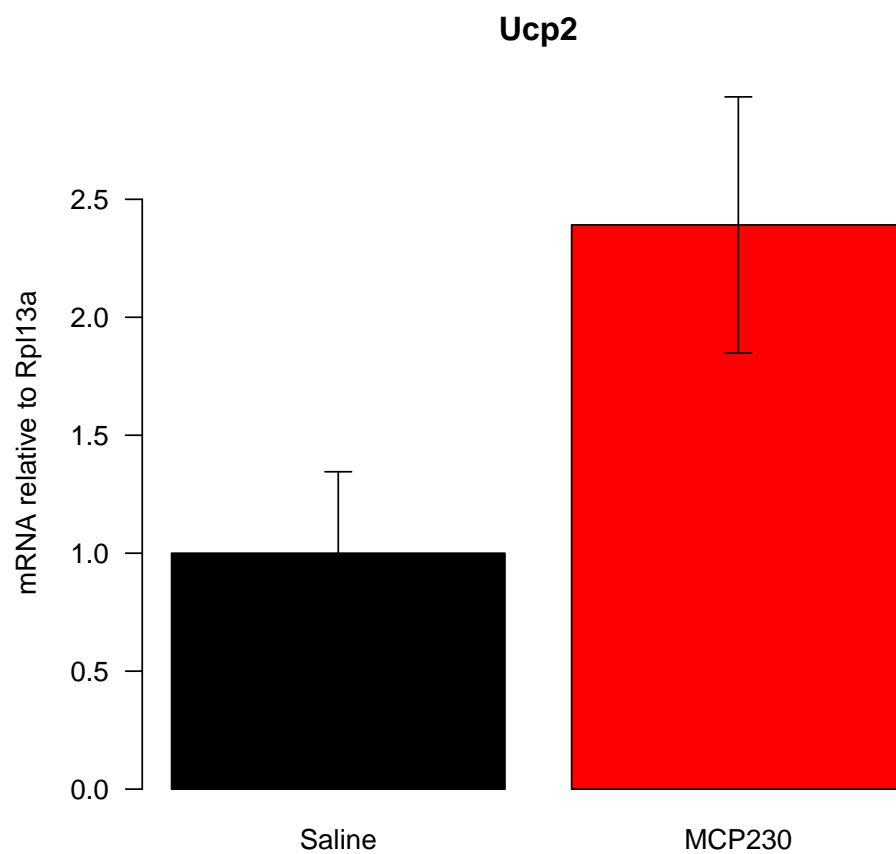


Figure 1: Barplot of Ucp2 mRNA

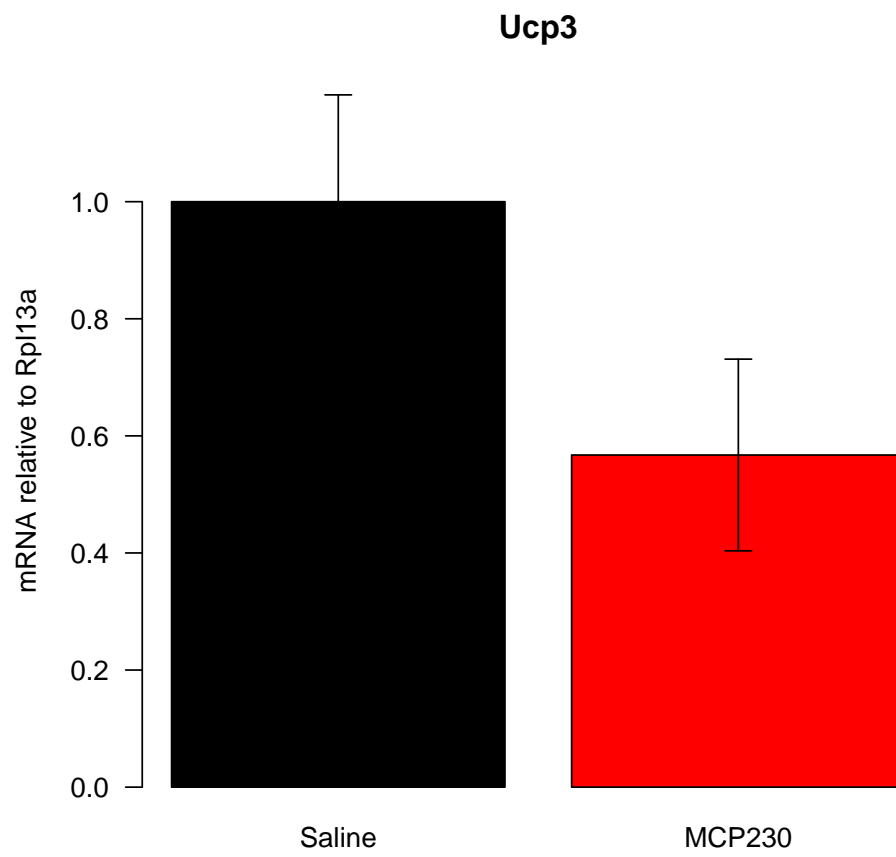


Figure 2: Barplot of Ucp3 mRNA

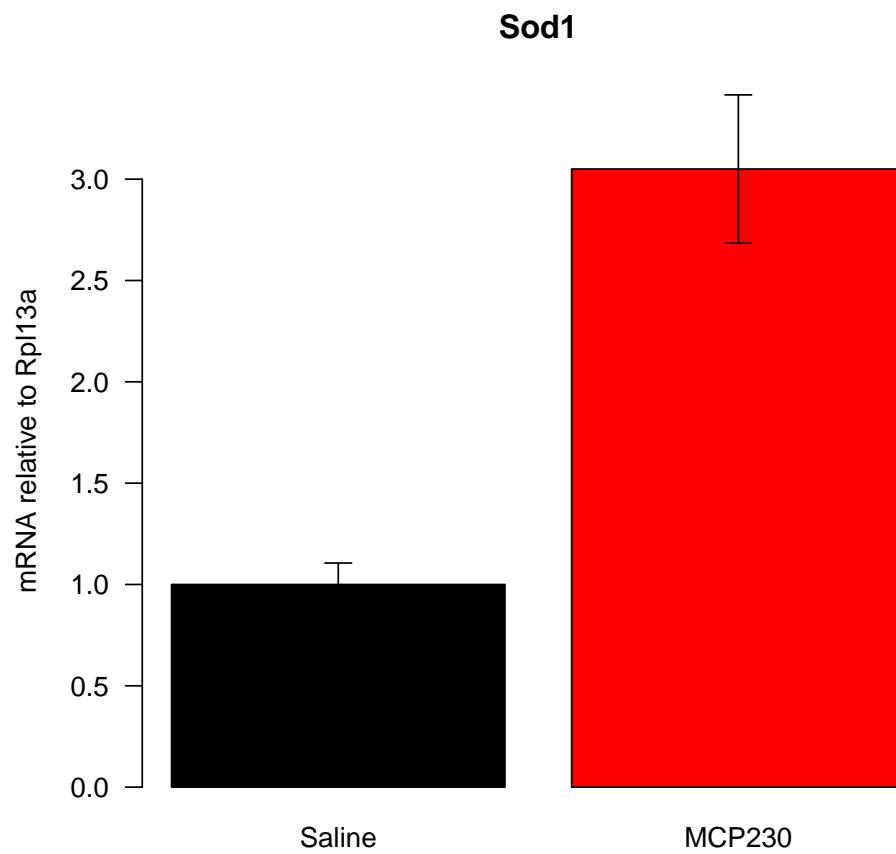


Figure 3: Barplot of Sod1 mRNA

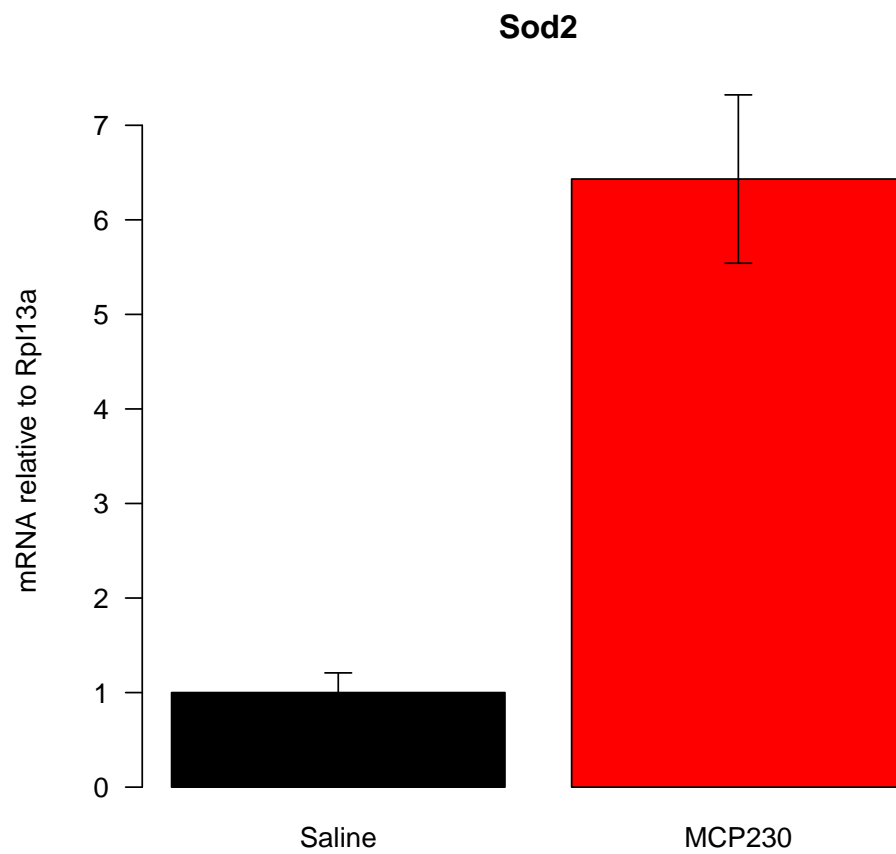


Figure 4: Barplot of Sod2 mRNA

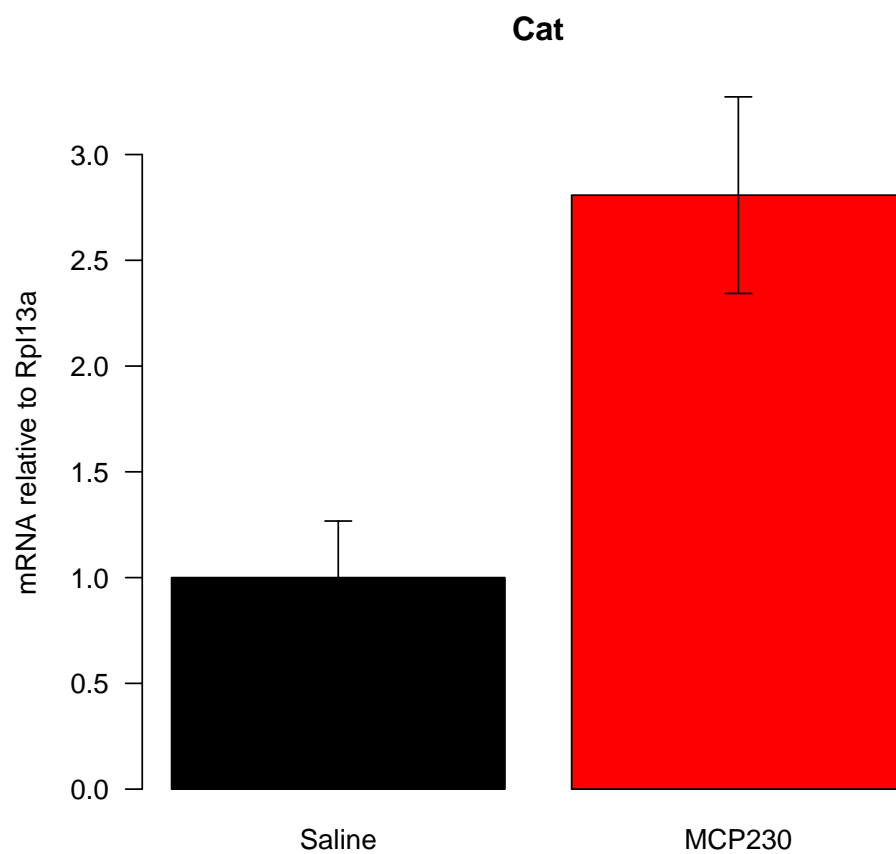


Figure 5: Barplot of Cat mRNA

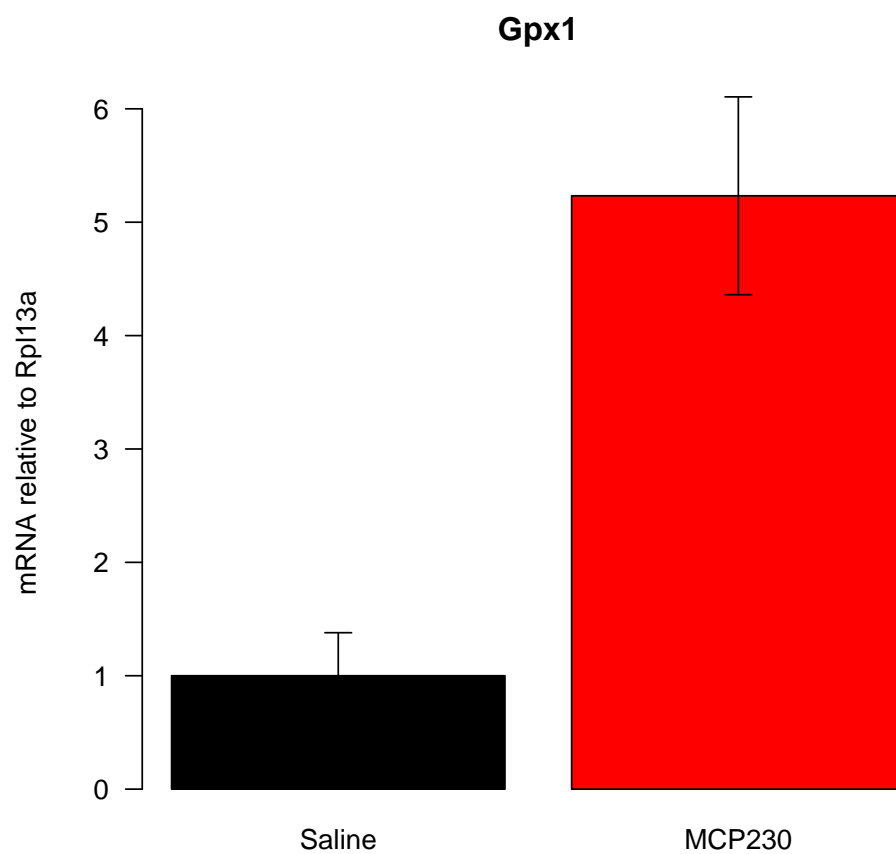


Figure 6: Barplot of Gpx1 mRNA

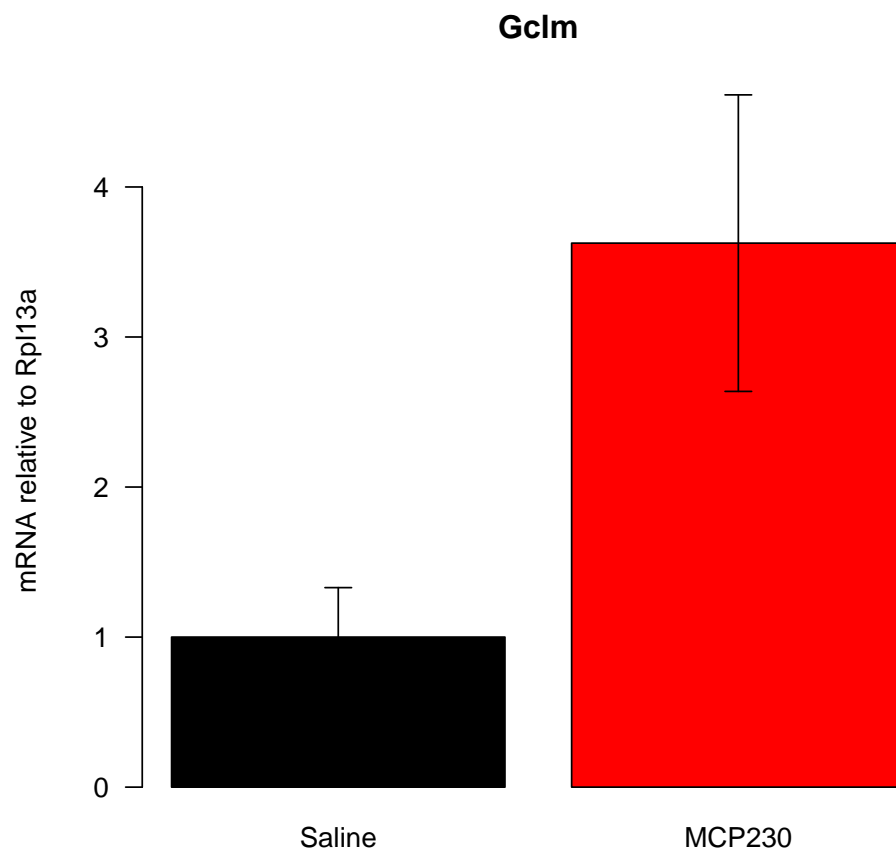


Figure 7: Barplot of Gclm mRNA



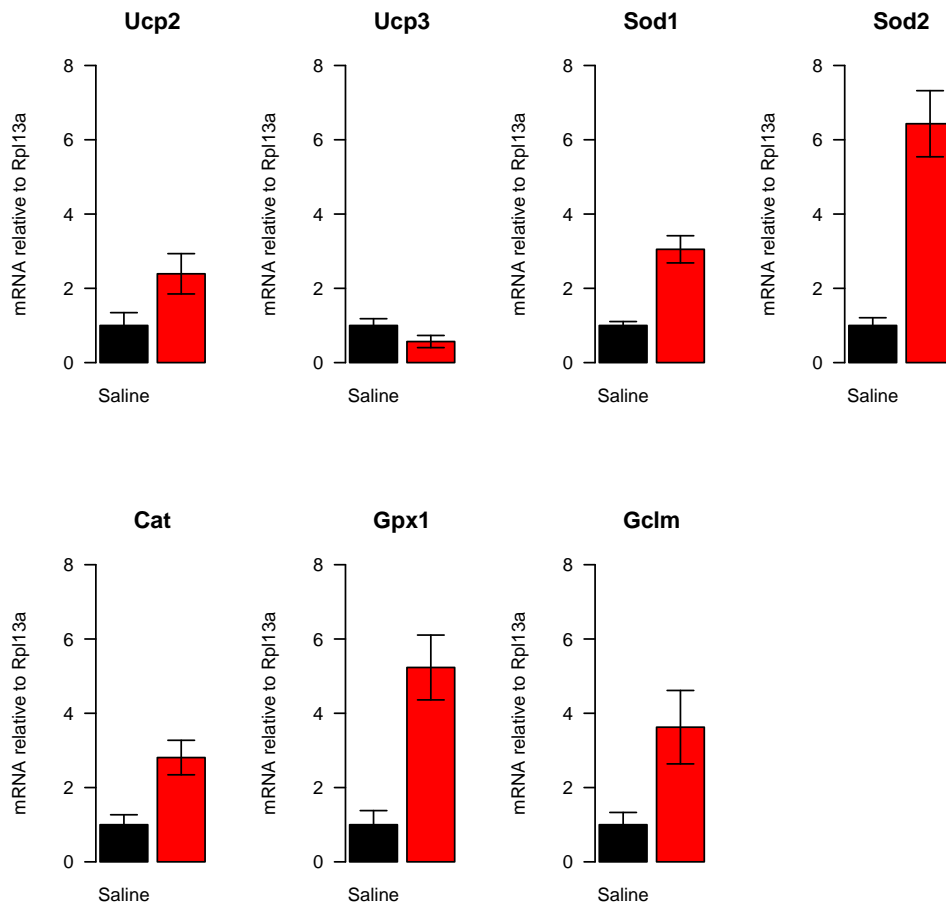


Figure 8: Barplot of the Antioxidant defense genes