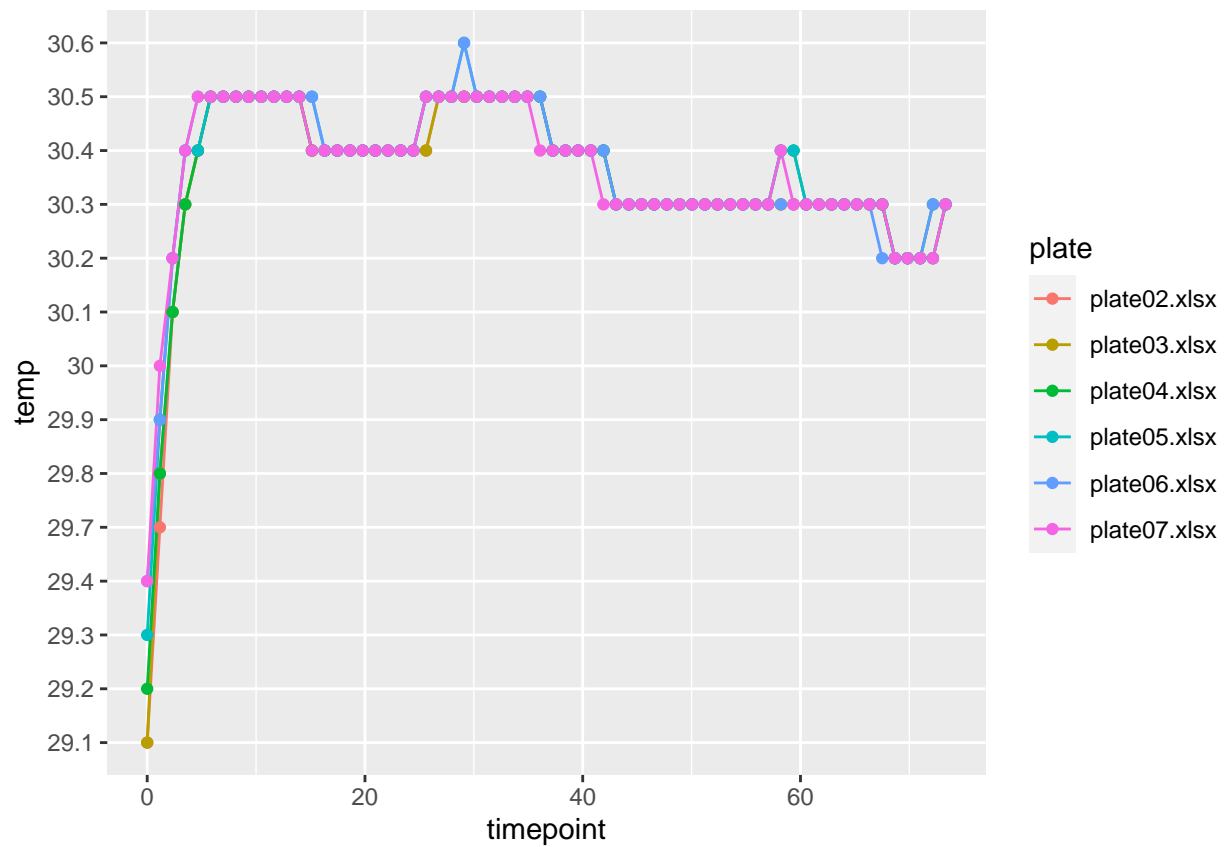


Integrate biological replicates from different assay plates

JN

Sat Feb 17 13:43:12 2024

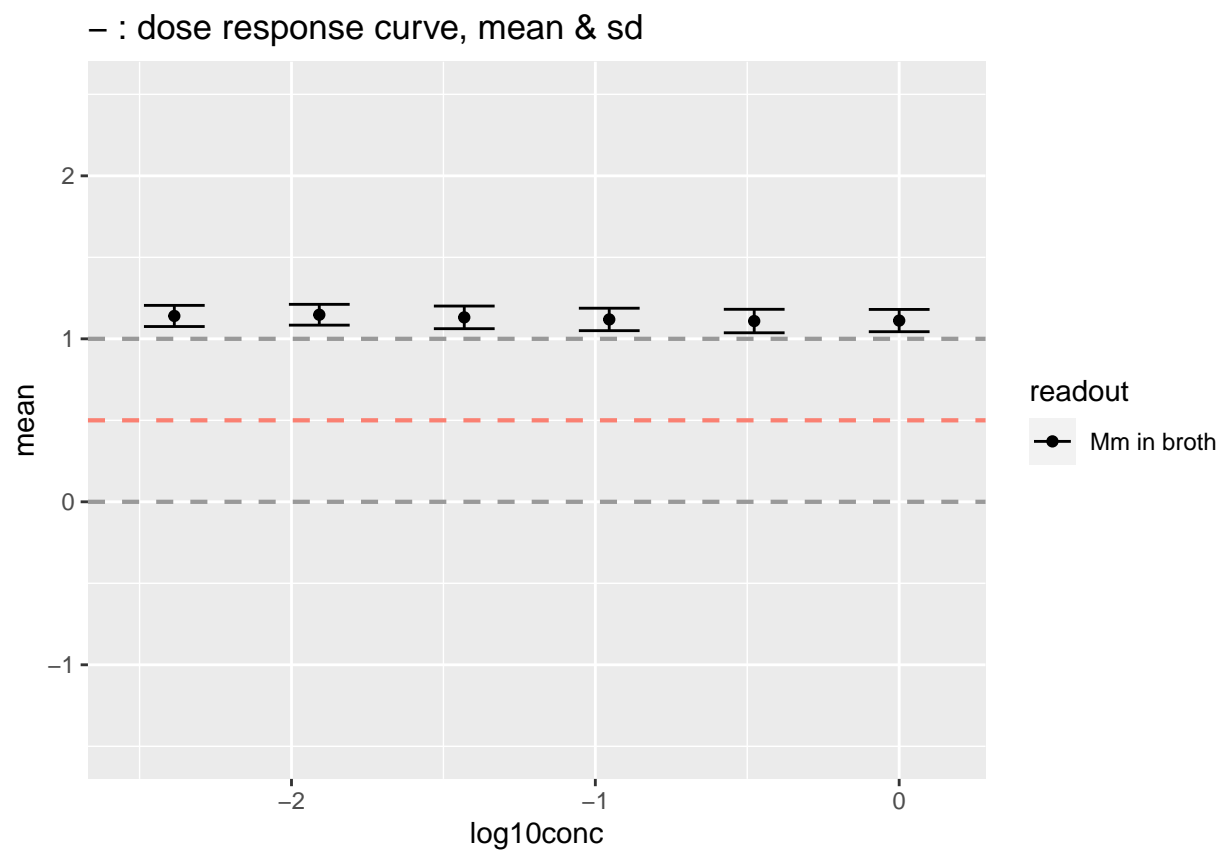
```
## [1] "all raw data xlsx files in the directory, absolute paths: "  
## [2] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/input/plate02.xlsx"  
## [3] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/input/plate03.xlsx"  
## [4] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/input/plate04.xlsx"  
## [5] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/input/plate05.xlsx"  
## [6] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/input/plate06.xlsx"  
## [7] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/input/plate07.xlsx"  
  
## [1] "all raw data xlsx files in the directory: "  
## [2] "plate02.xlsx"  
## [3] "plate03.xlsx"  
## [4] "plate04.xlsx"  
## [5] "plate05.xlsx"  
## [6] "plate06.xlsx"  
## [7] "plate07.xlsx"  
  
## [1] "all corresponding RData files in the directory: "  
## [2] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/output/plate_data_plate02.xlsx.RData"  
## [3] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/output/plate_data_plate03.xlsx.RData"  
## [4] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/output/plate_data_plate04.xlsx.RData"  
## [5] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/output/plate_data_plate05.xlsx.RData"  
## [6] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/output/plate_data_plate06.xlsx.RData"  
## [7] "C:/Users/jahn_/Desktop/analyses/broth_demonstration_dataset/output/plate_data_plate07.xlsx.RData"
```

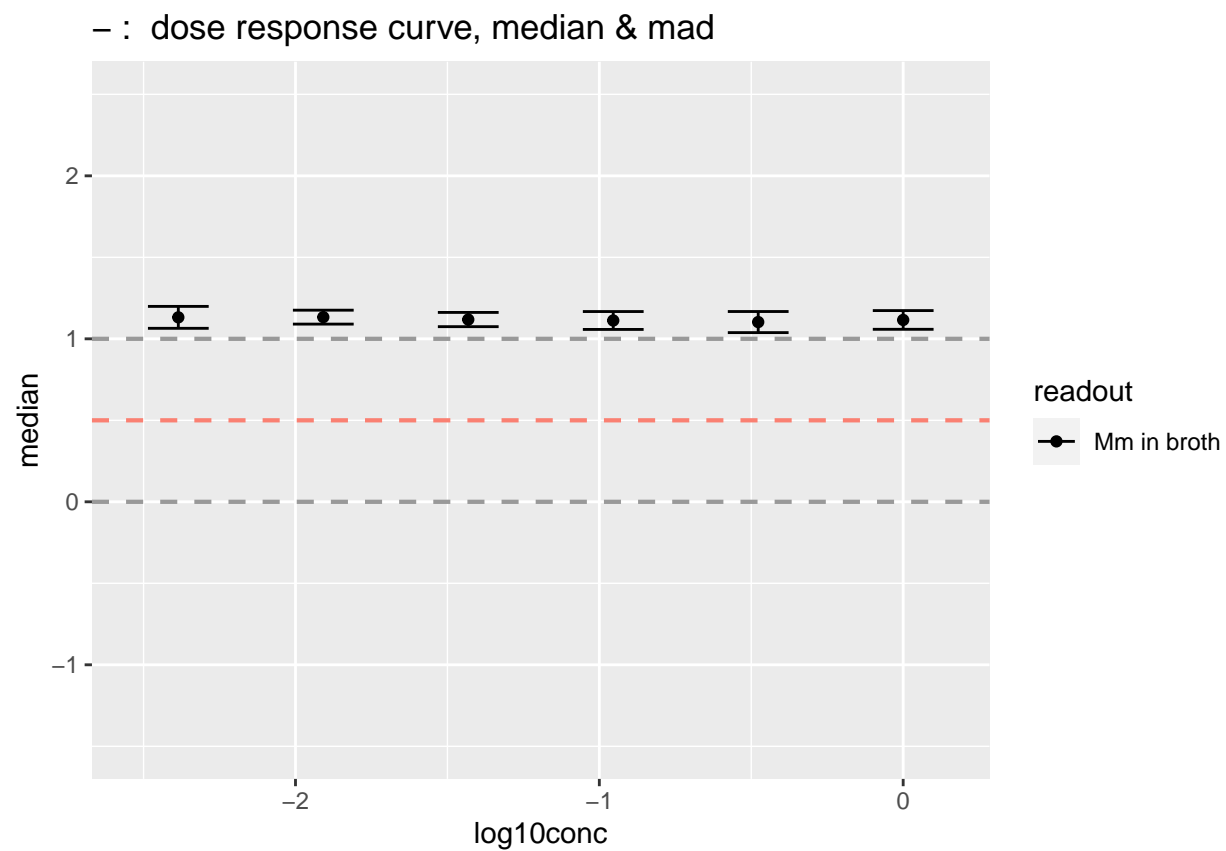


```
## [1] 768
## [1] 768
## [1] 768
```

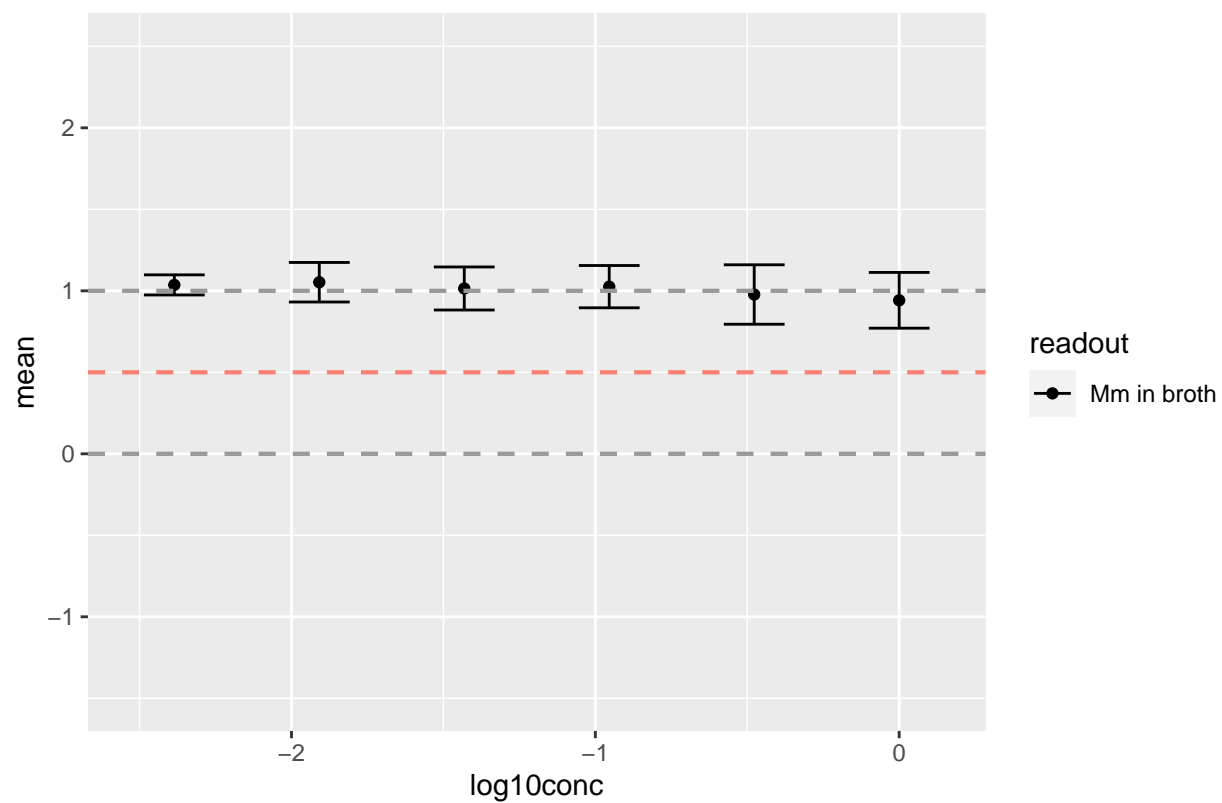
```
## pdf
## 2
```

```
## pdf
## 2
```

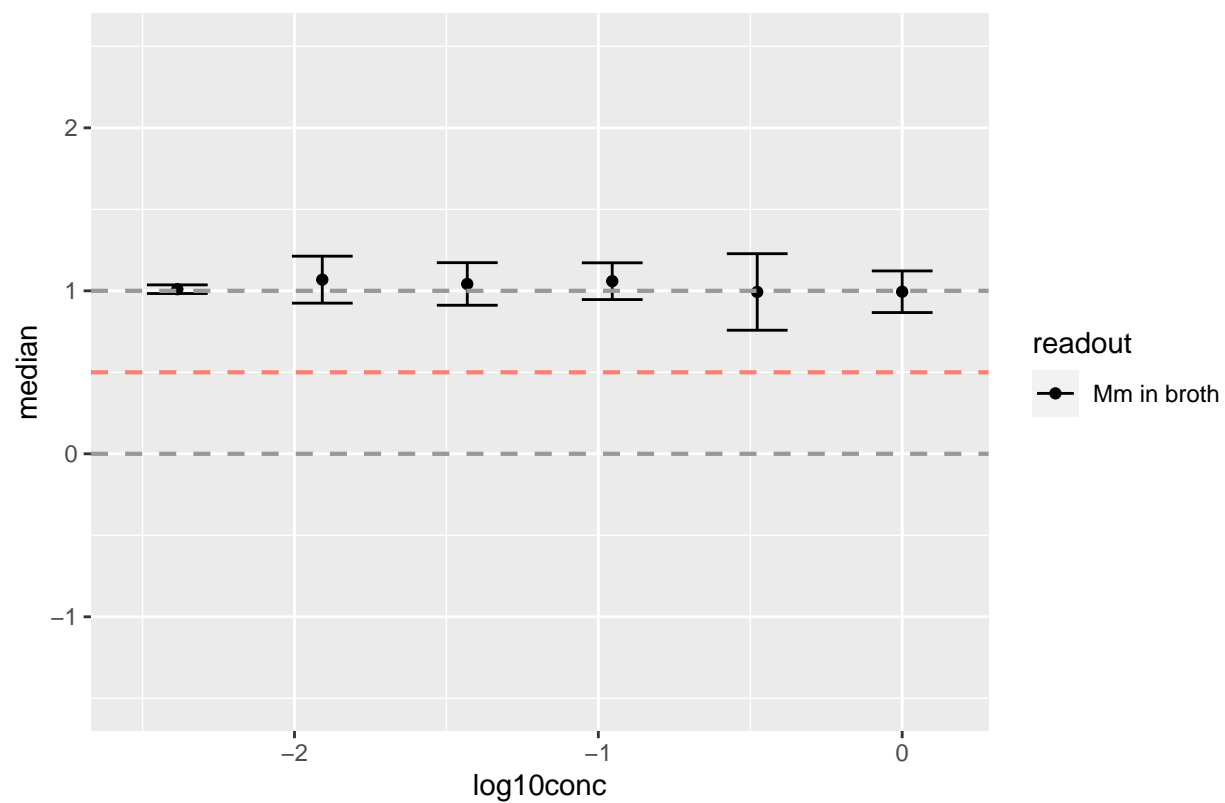




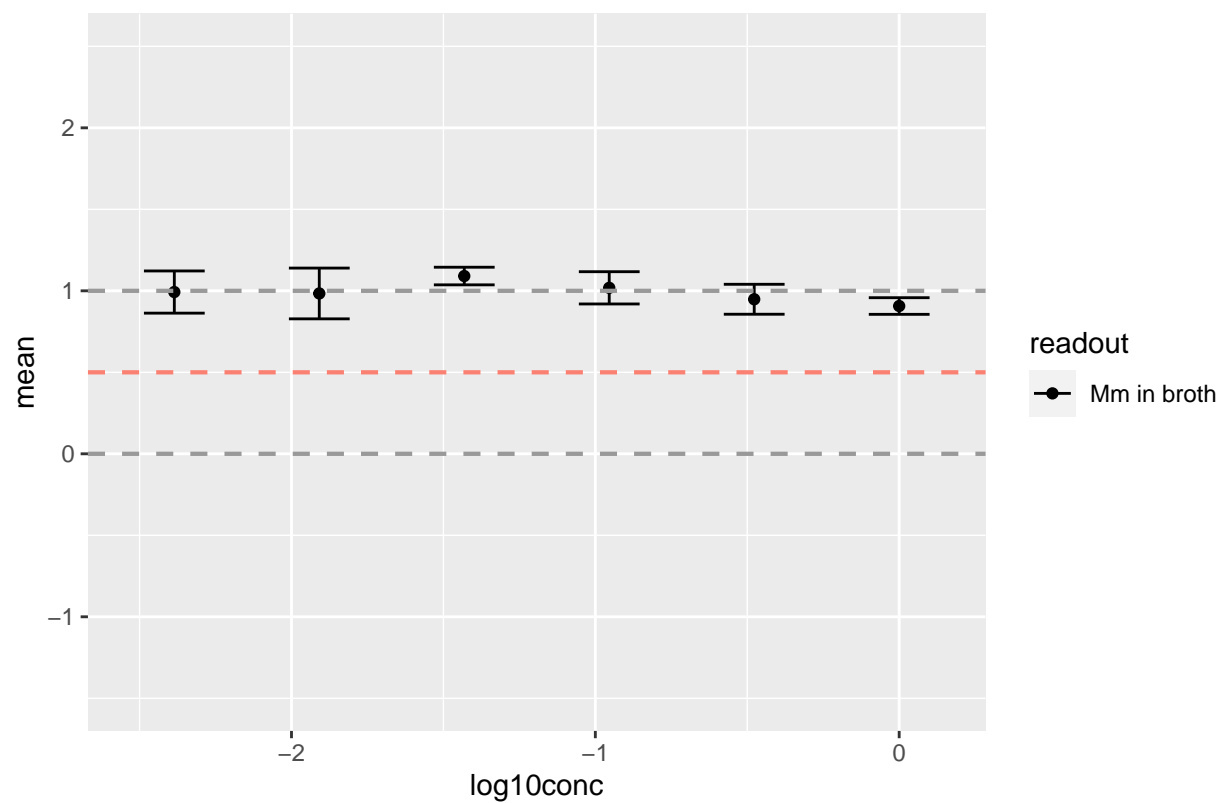
Ak_07 : dose response curve, mean & sd



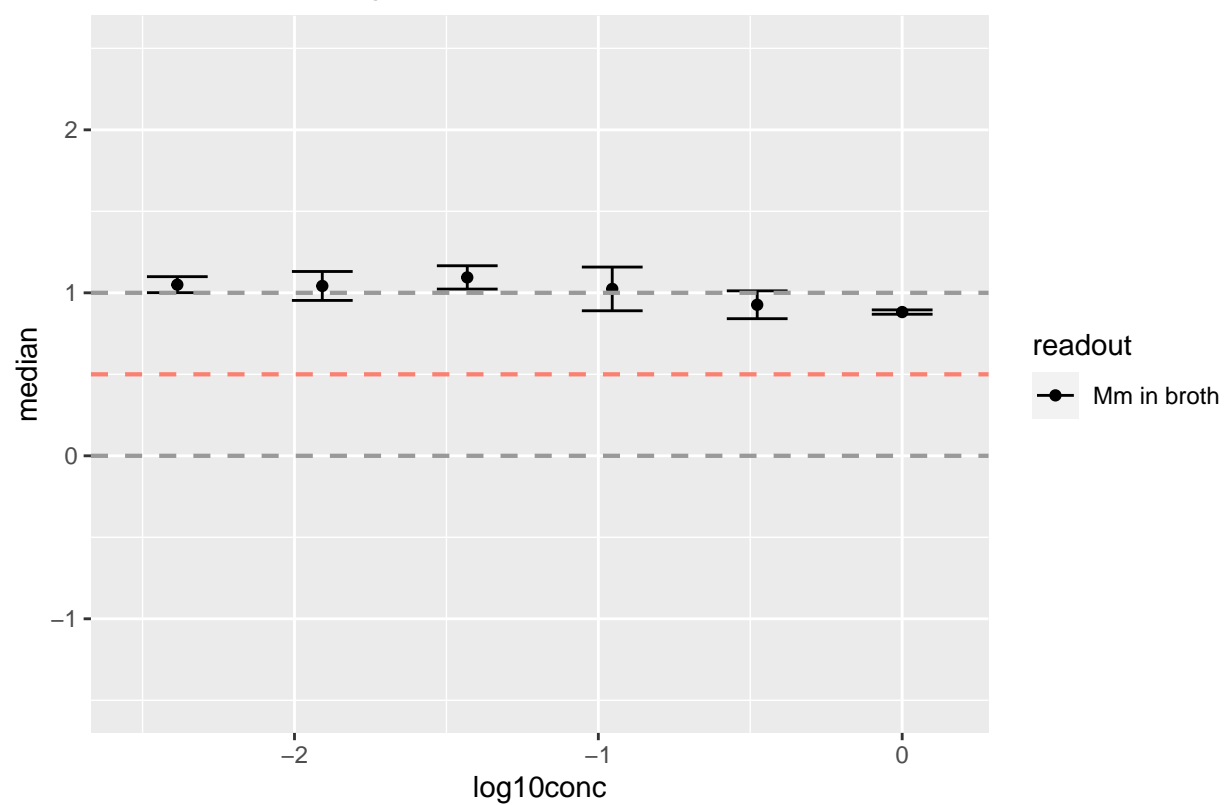
Ak_07 : dose response curve, median & mad

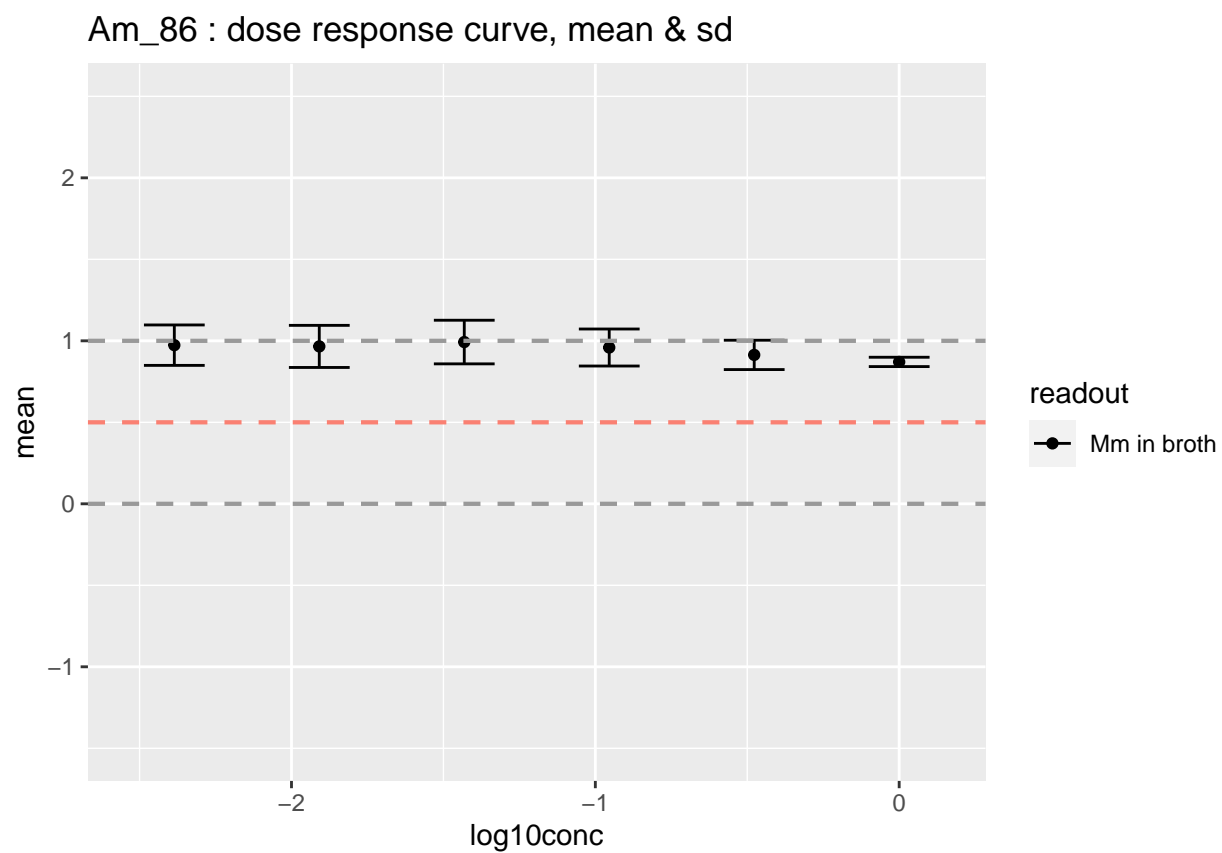


Am_72 : dose response curve, mean & sd

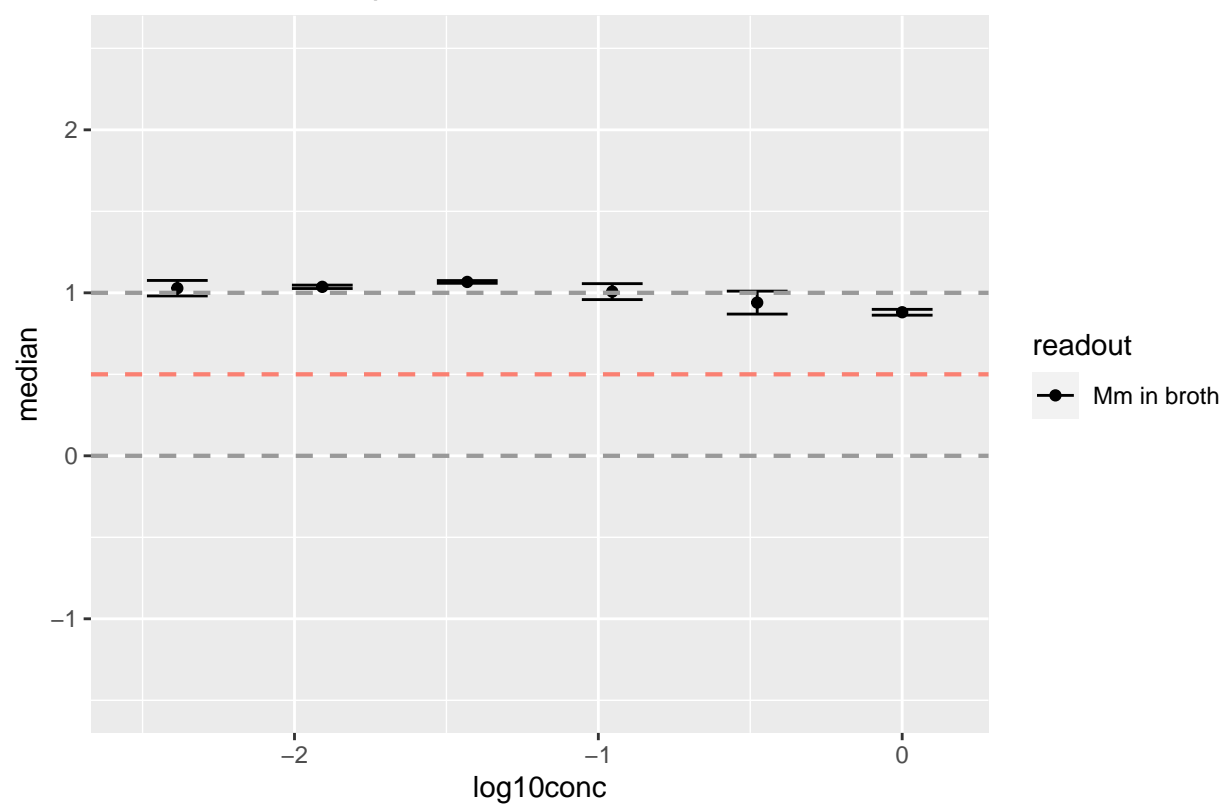


Am_72 : dose response curve, median & mad

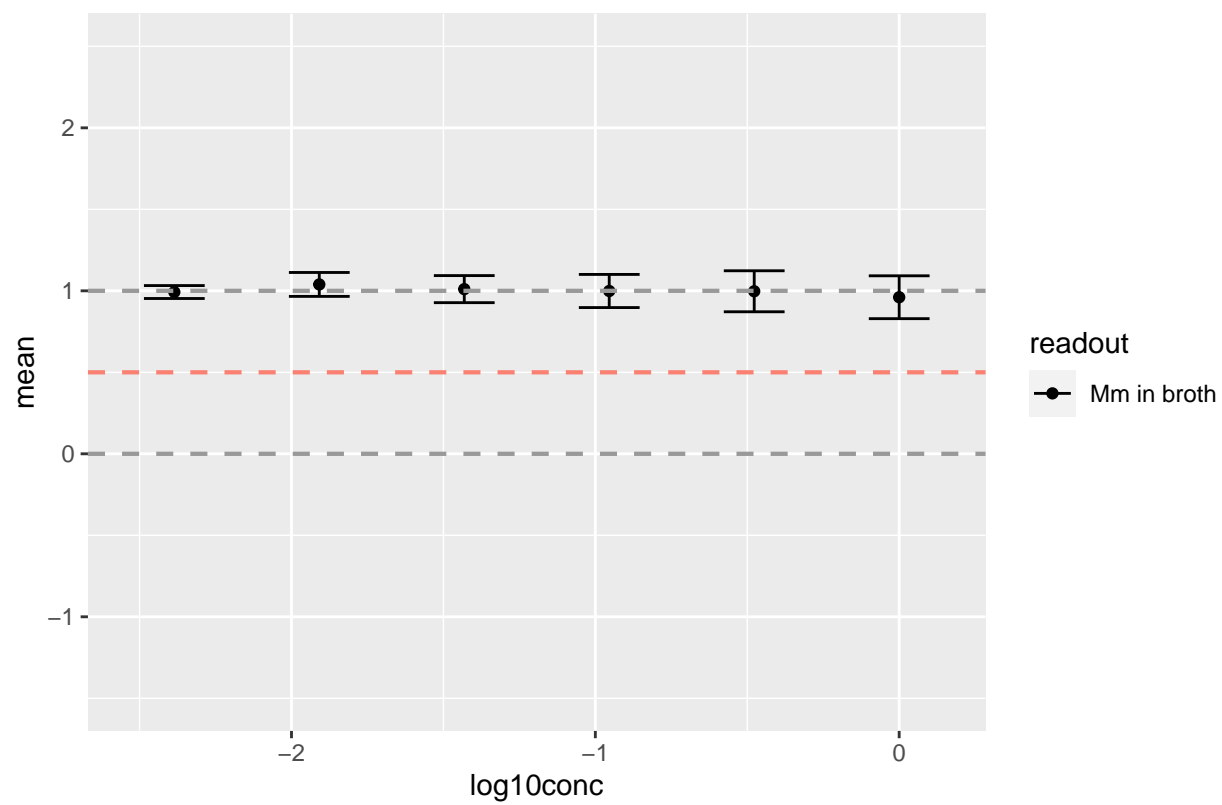




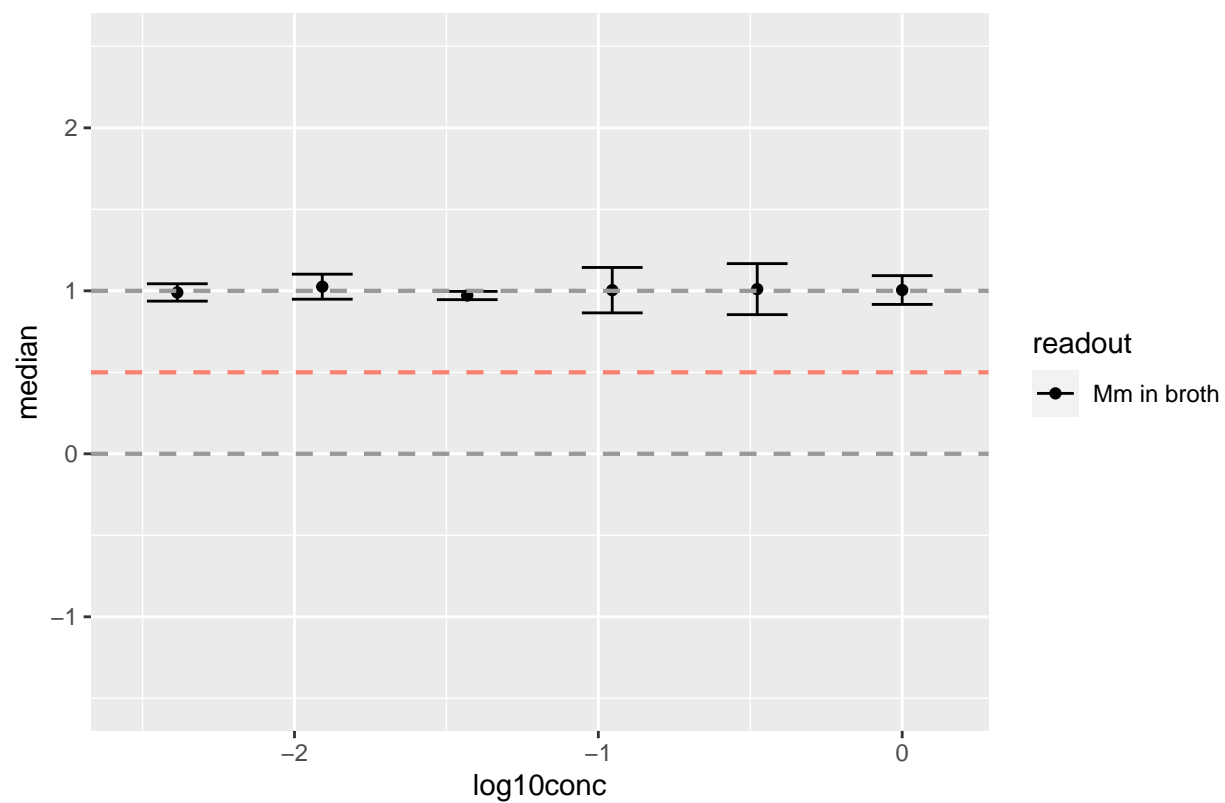
Am_86 : dose response curve, median & mad

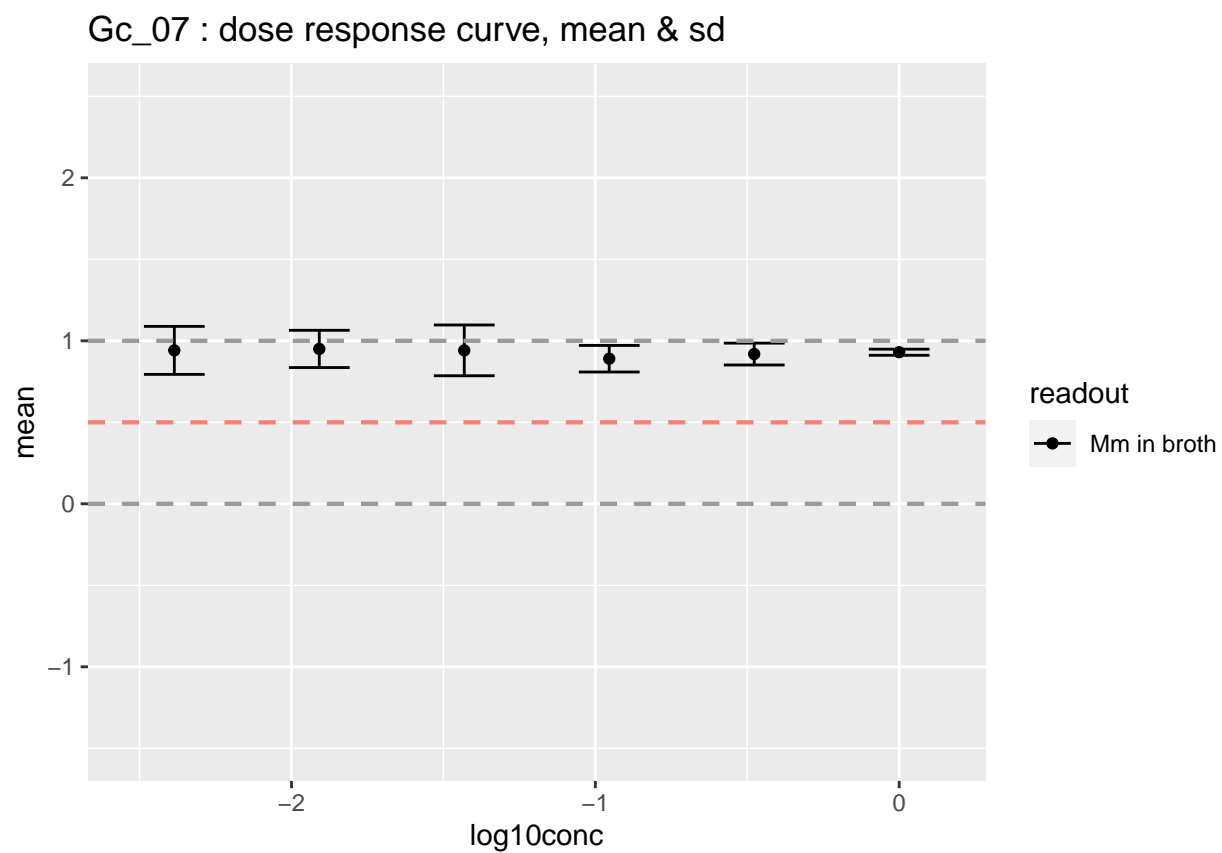


Fh_12 : dose response curve, mean & sd

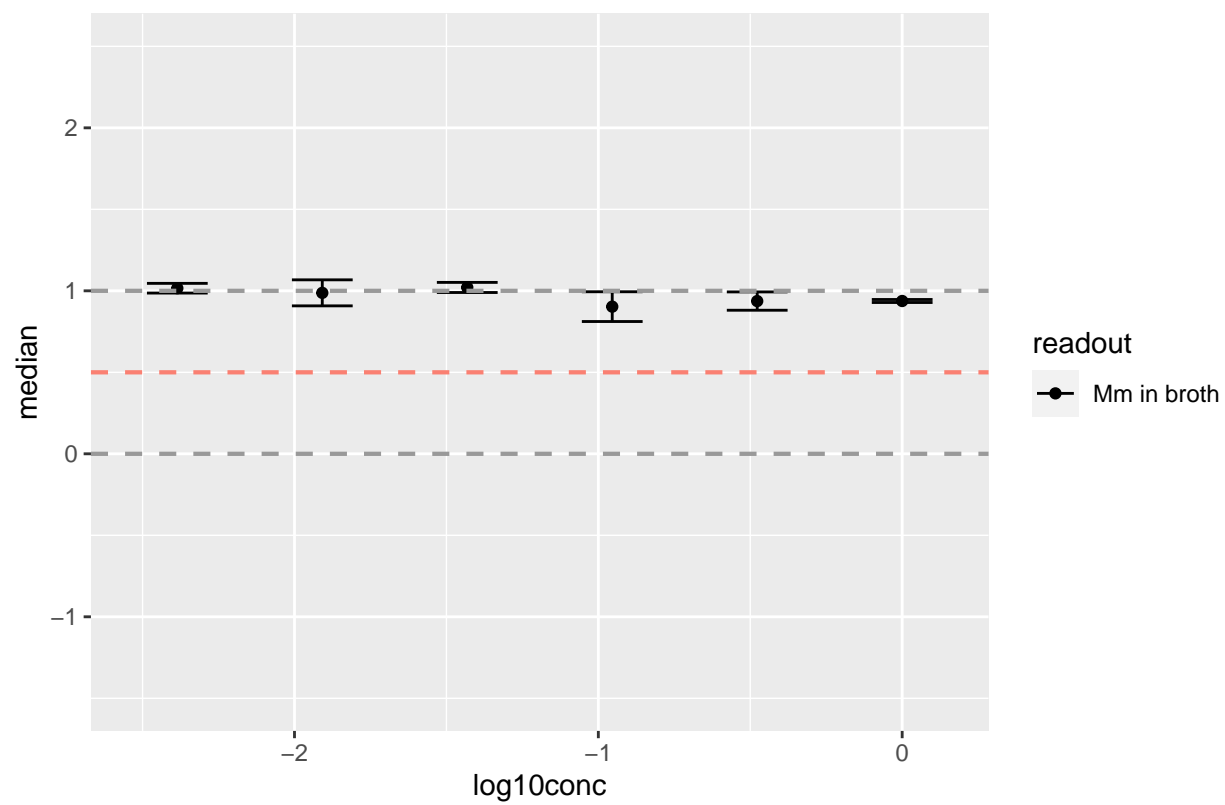


Fh_12 : dose response curve, median & mad

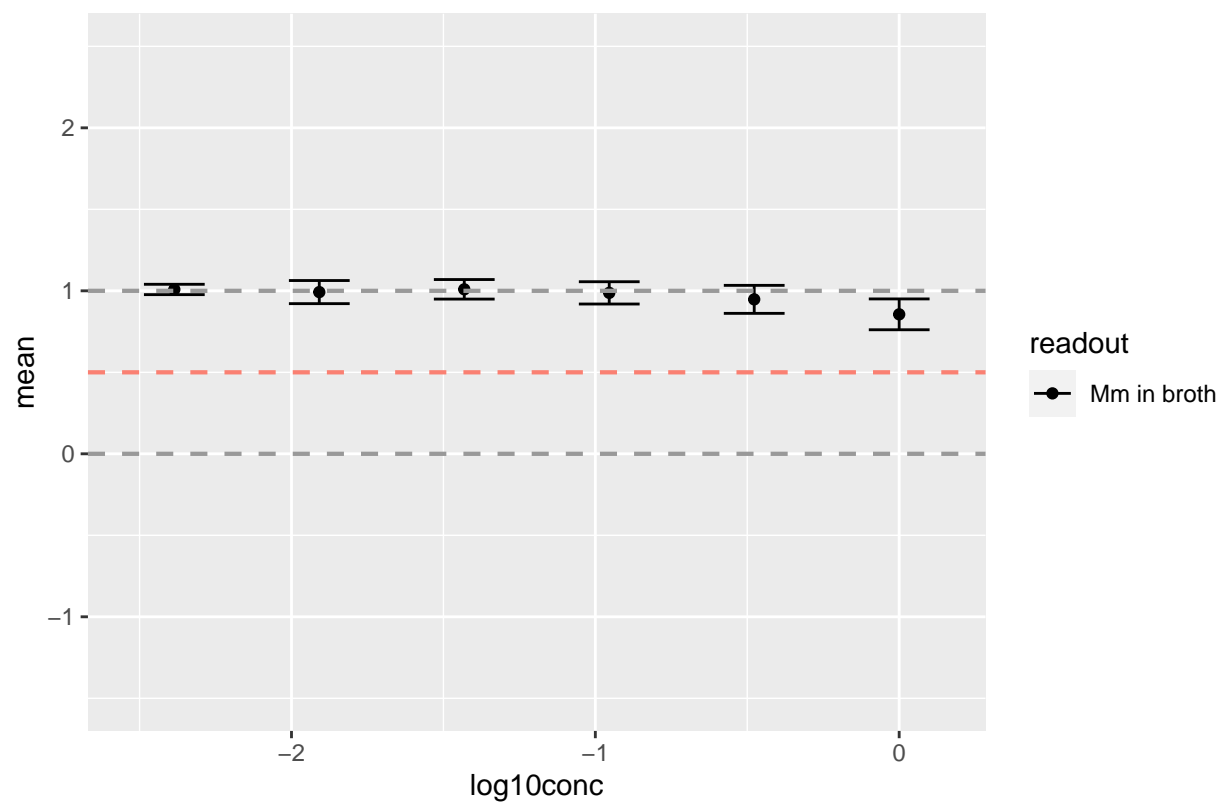




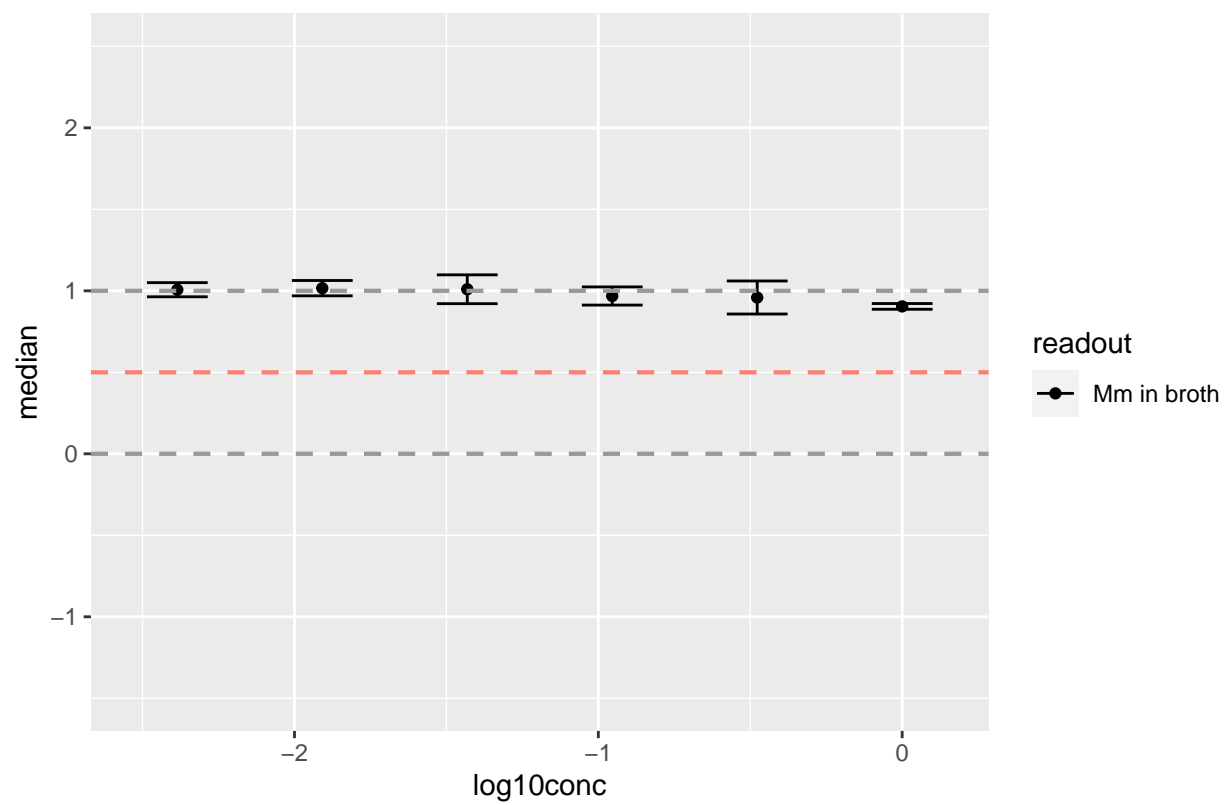
Gc_07 : dose response curve, median & mad



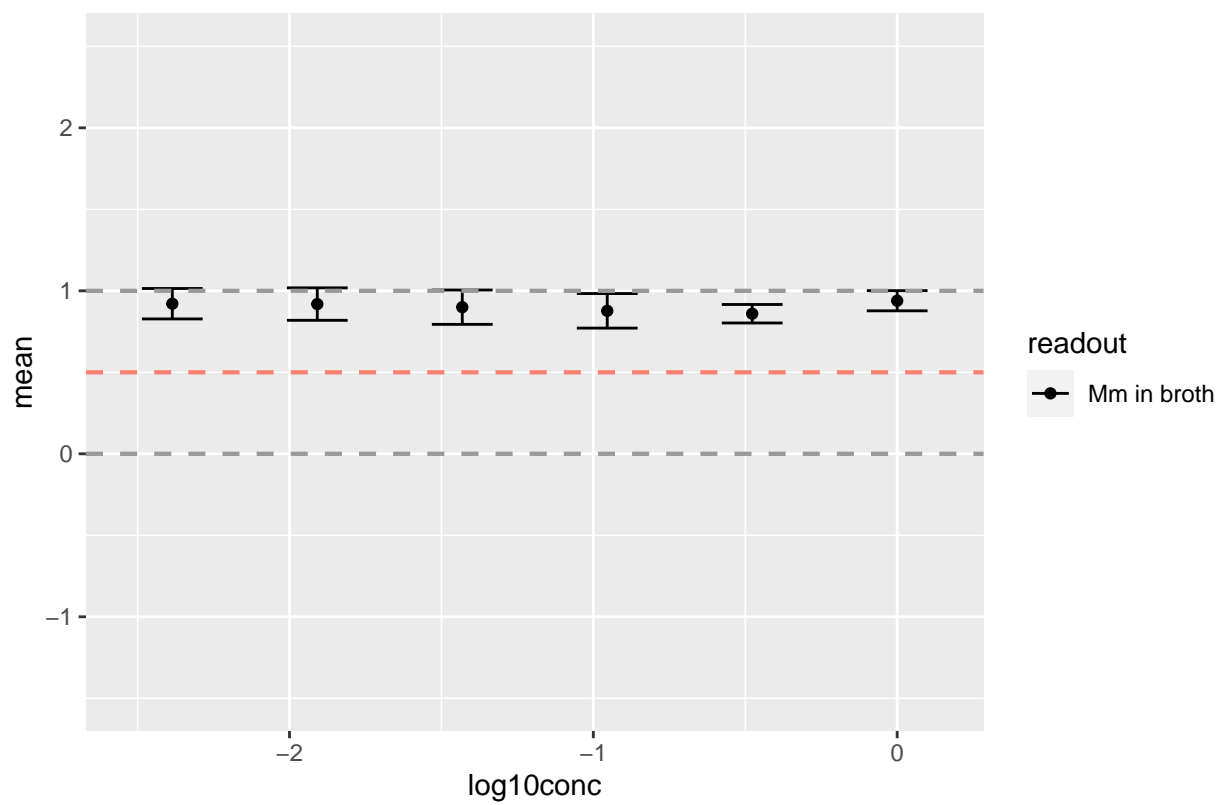
Gc_23 : dose response curve, mean & sd



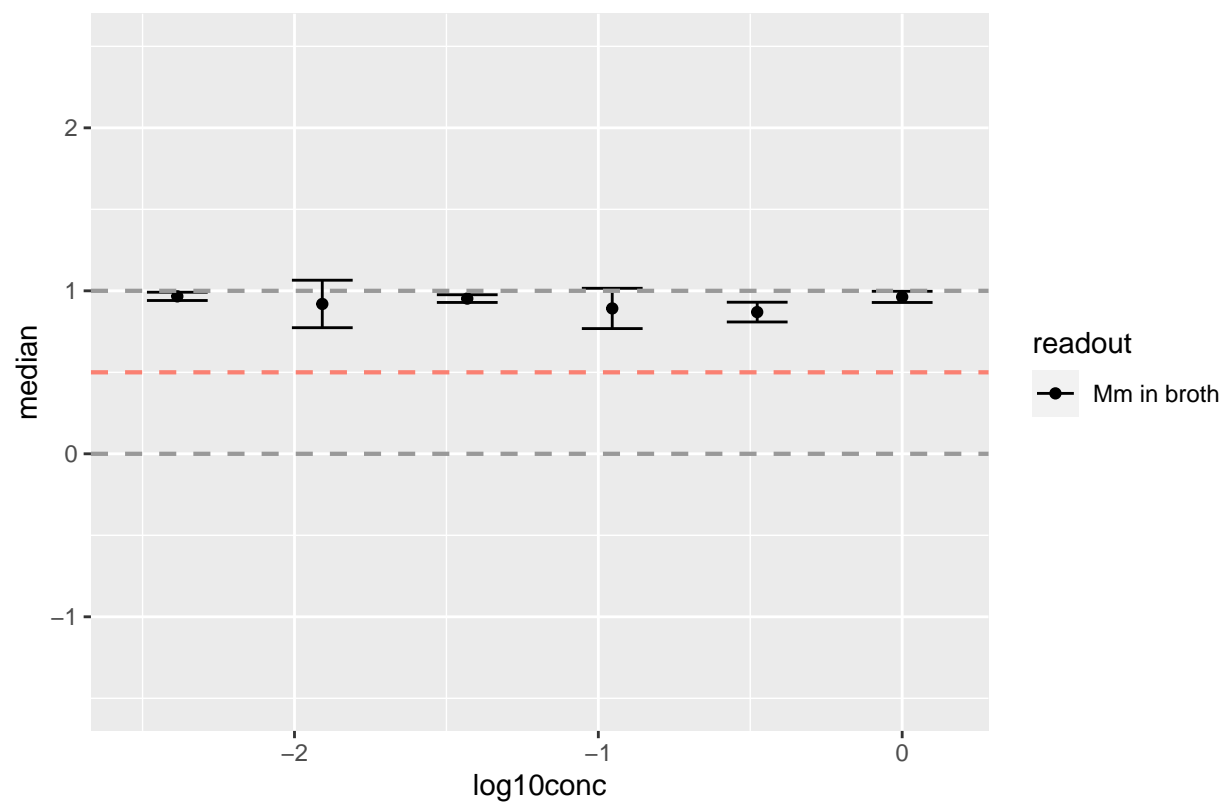
Gc_23 : dose response curve, median & mad



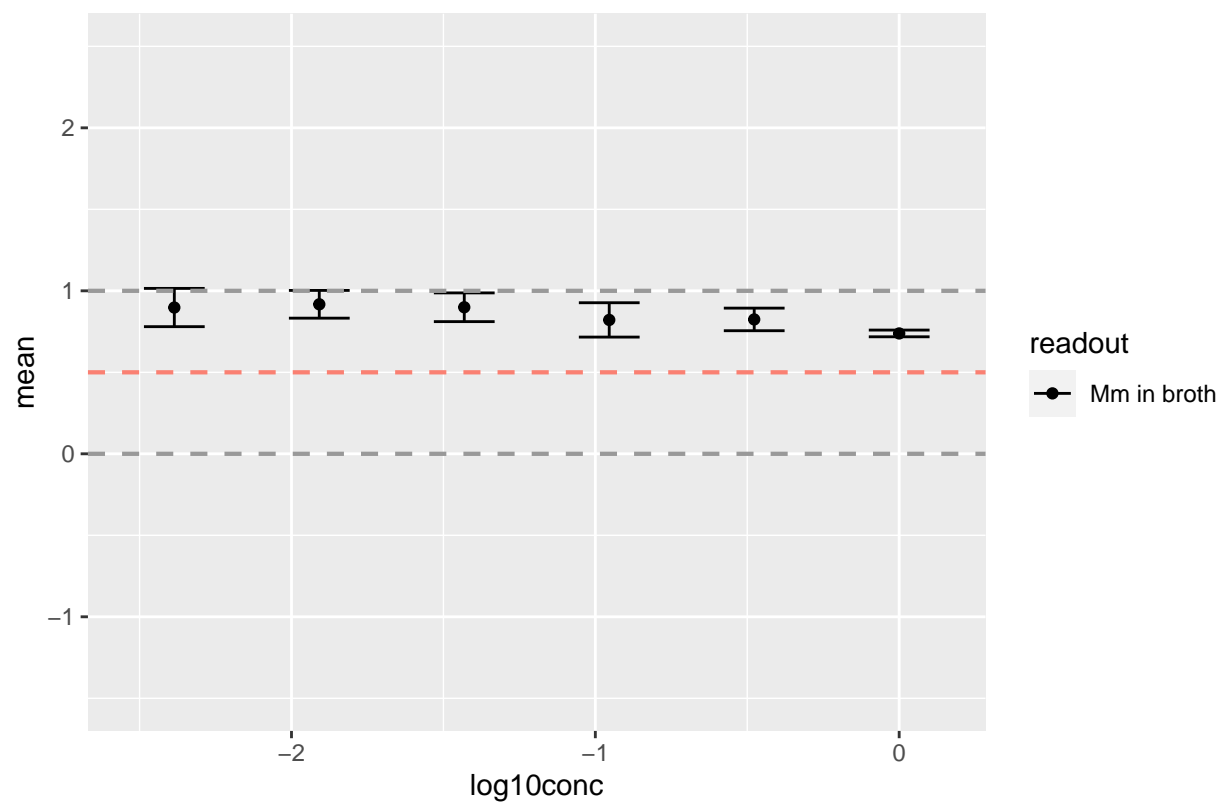
Gc_25 : dose response curve, mean & sd



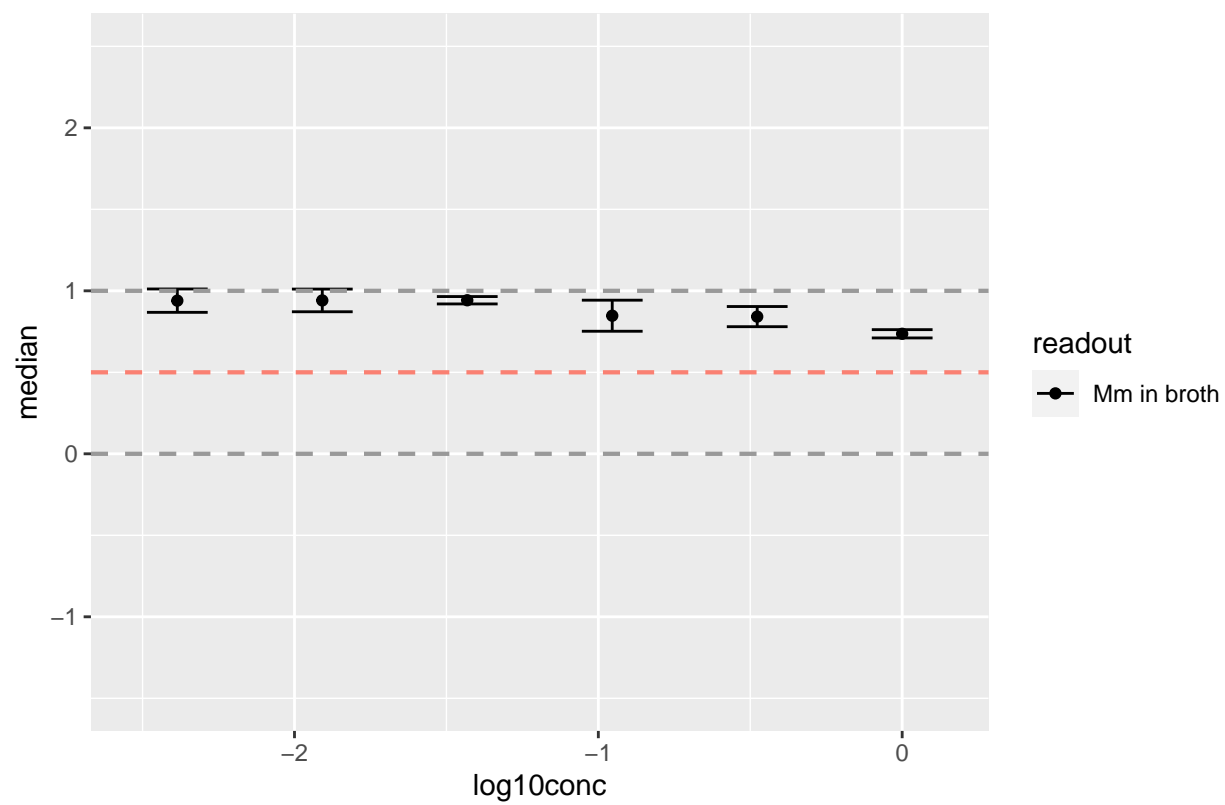
Gc_25 : dose response curve, median & mad

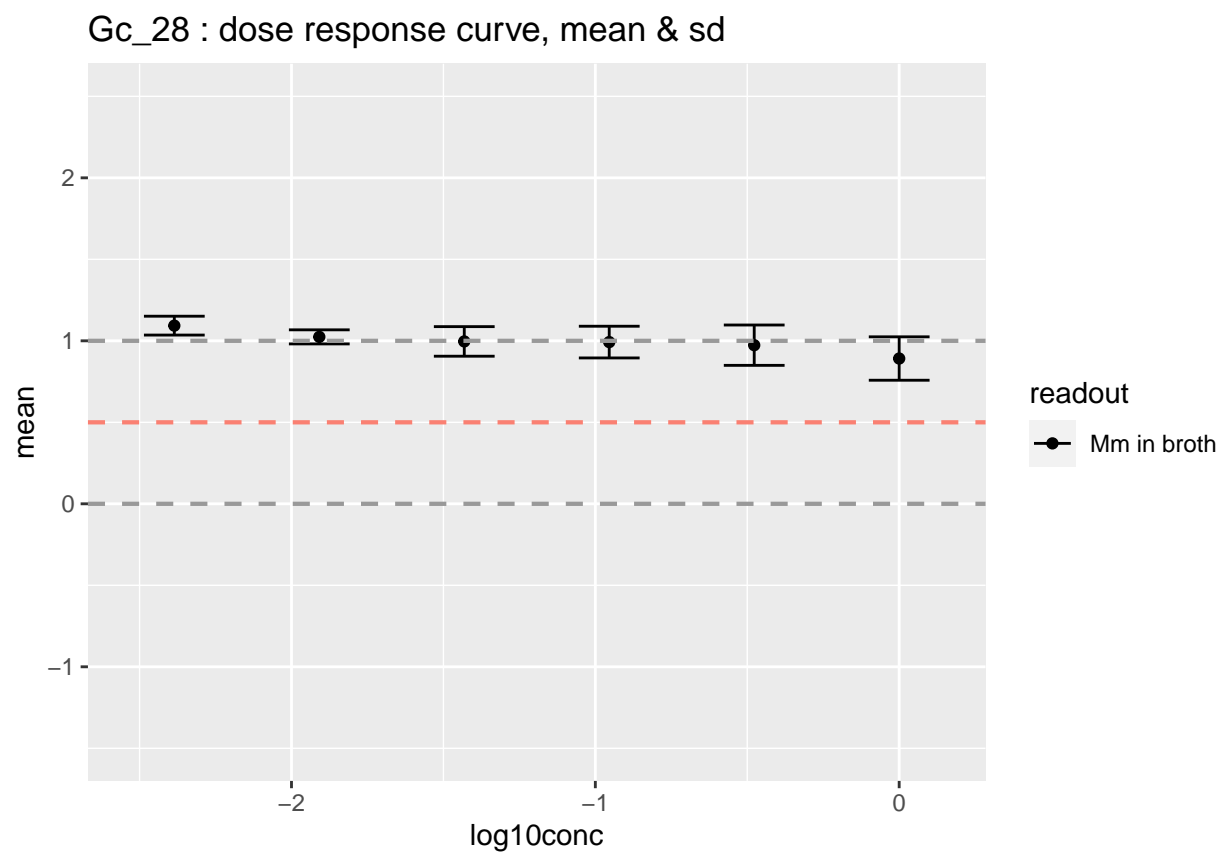


Gc_26 : dose response curve, mean & sd

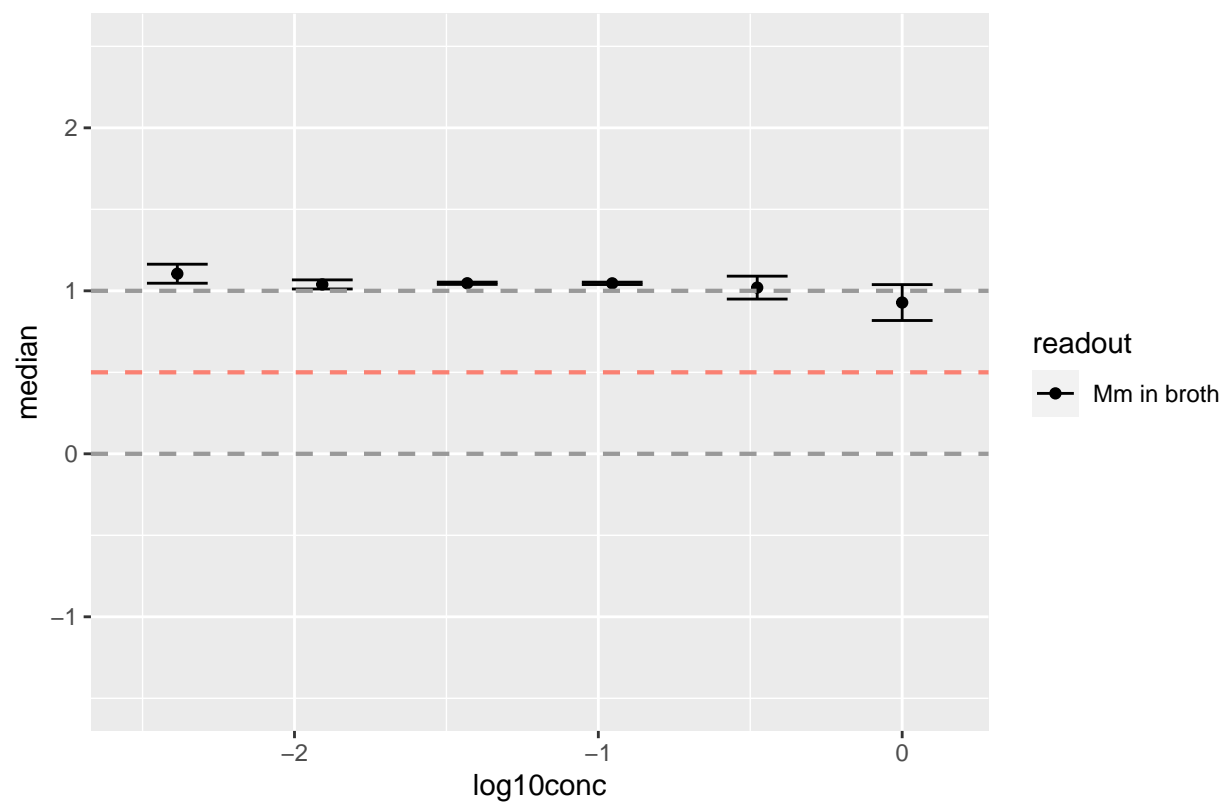


Gc_26 : dose response curve, median & mad

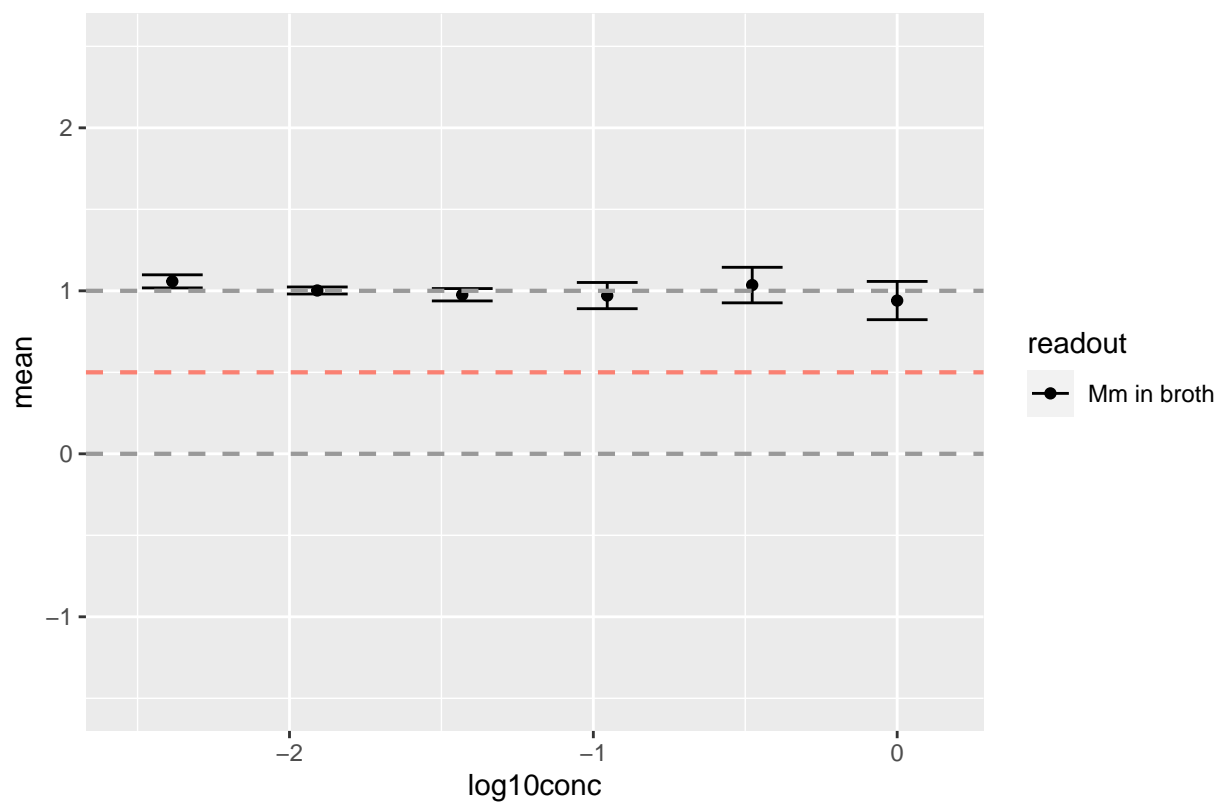




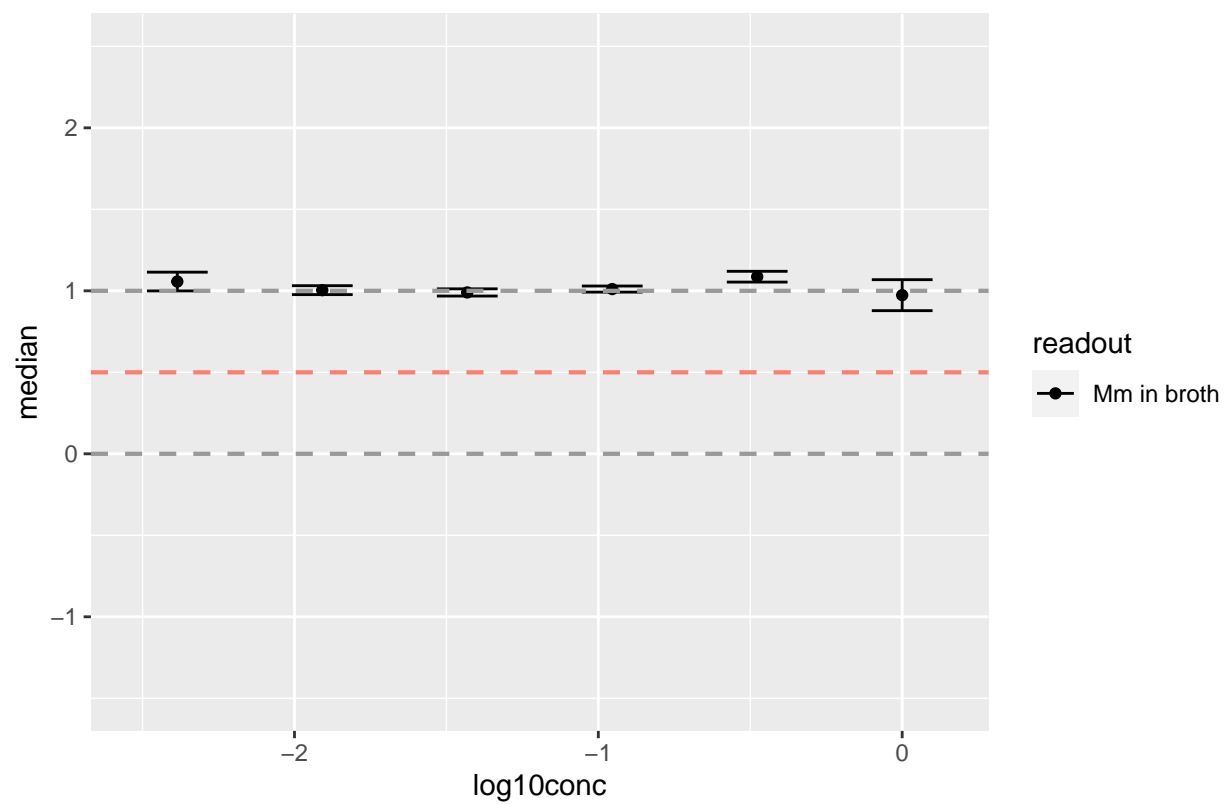
Gc_28 : dose response curve, median & mad

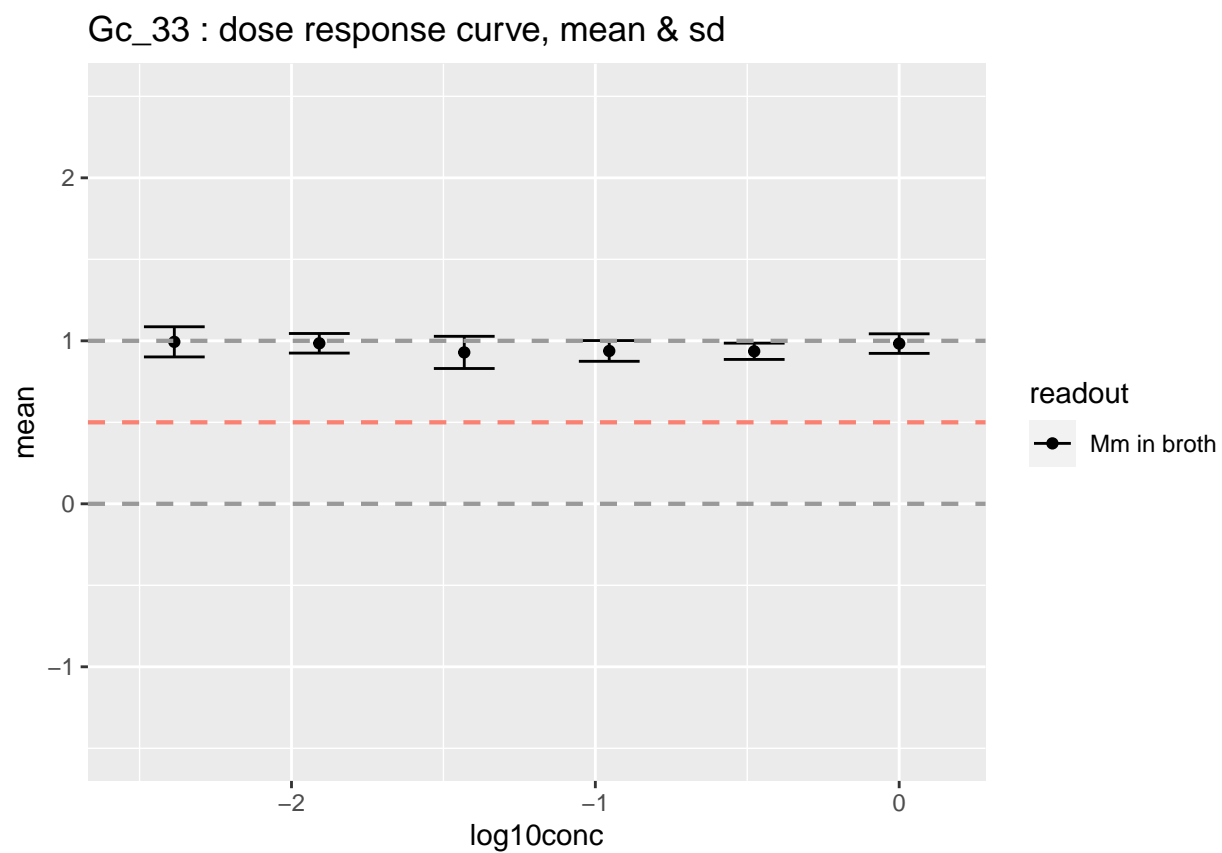


Gc_32 : dose response curve, mean & sd

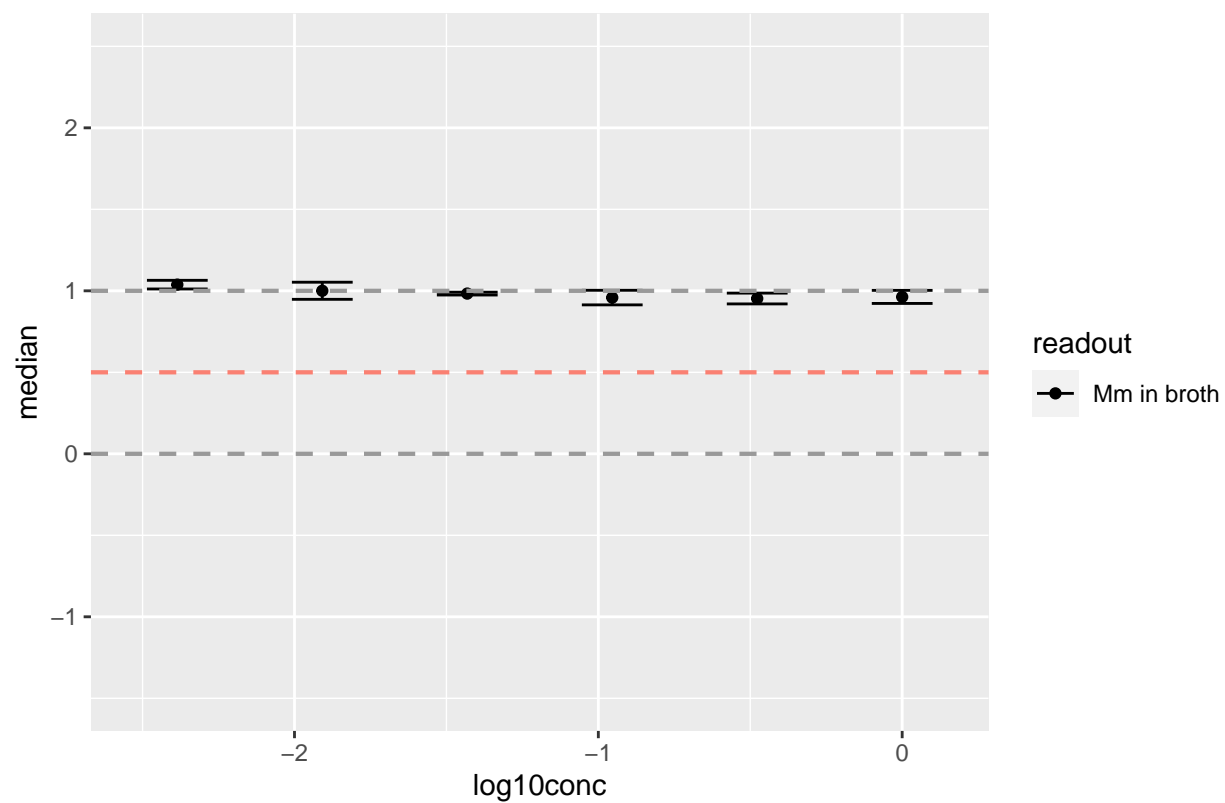


Gc_32 : dose response curve, median & mad

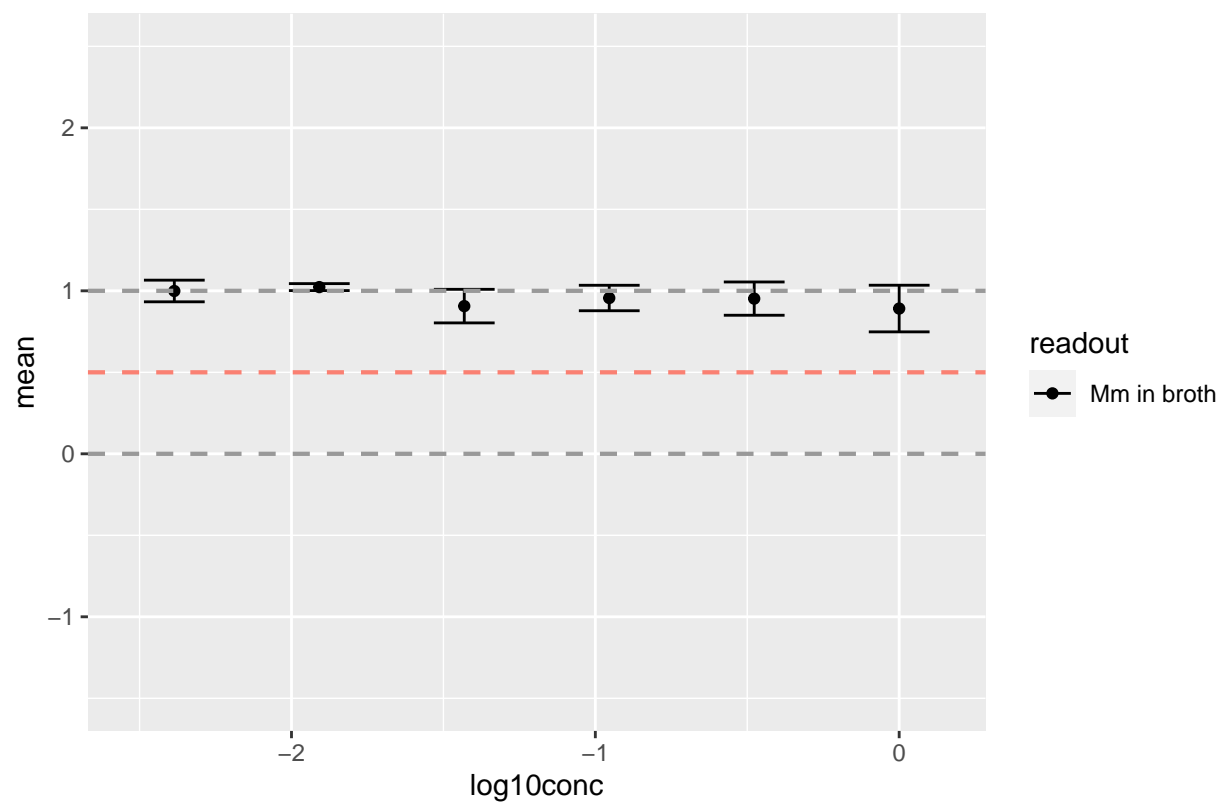




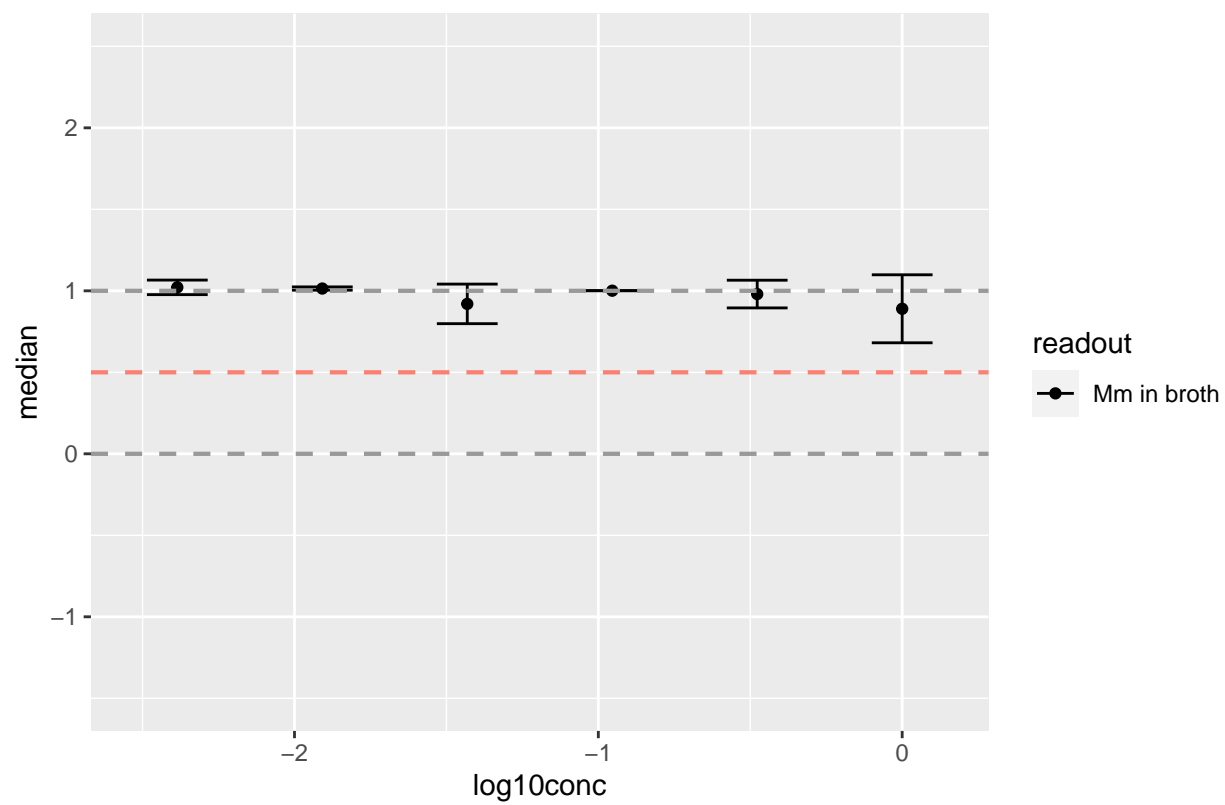
Gc_33 : dose response curve, median & mad



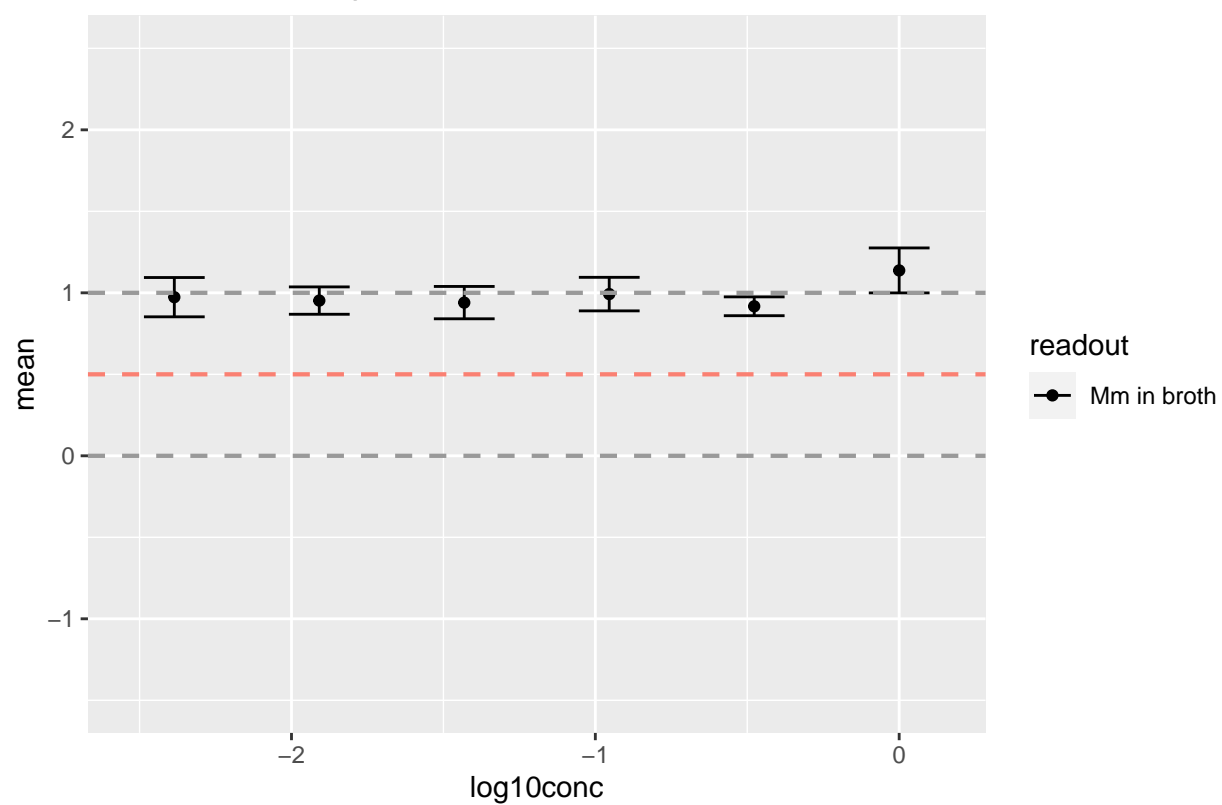
Gc_34 : dose response curve, mean & sd



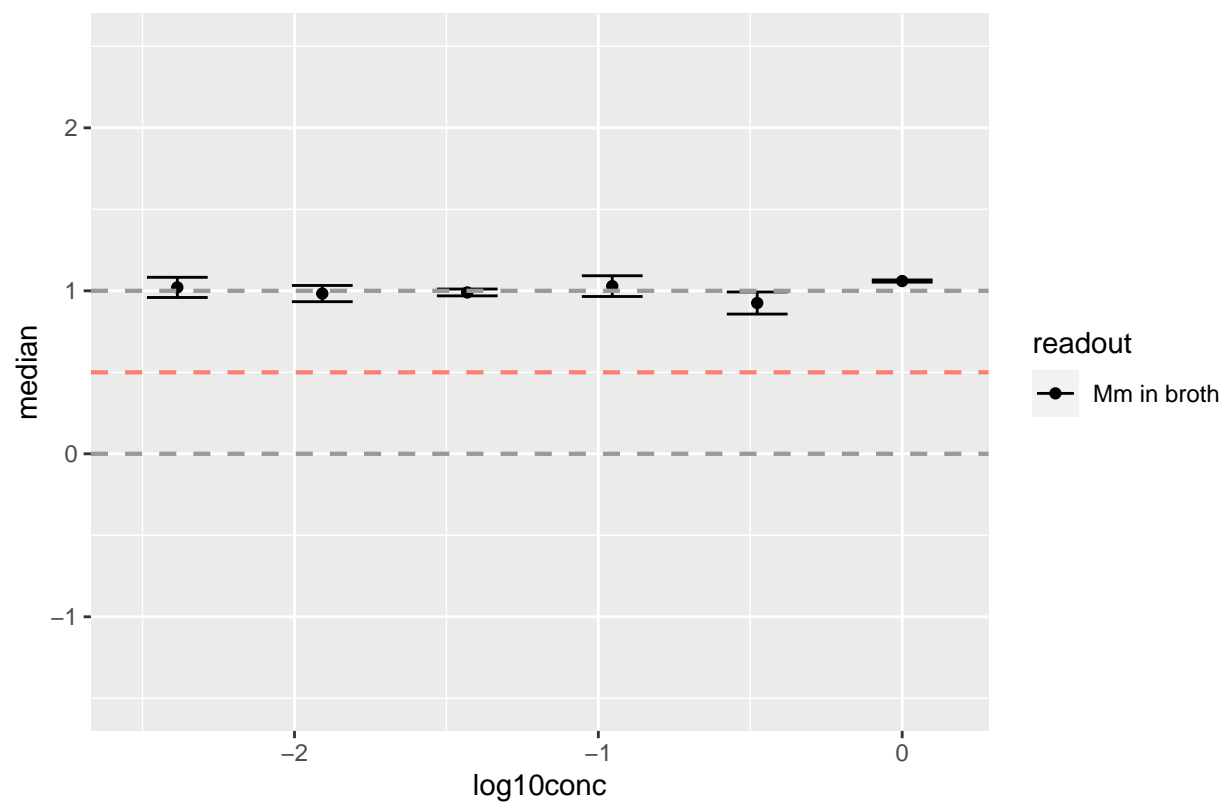
Gc_34 : dose response curve, median & mad

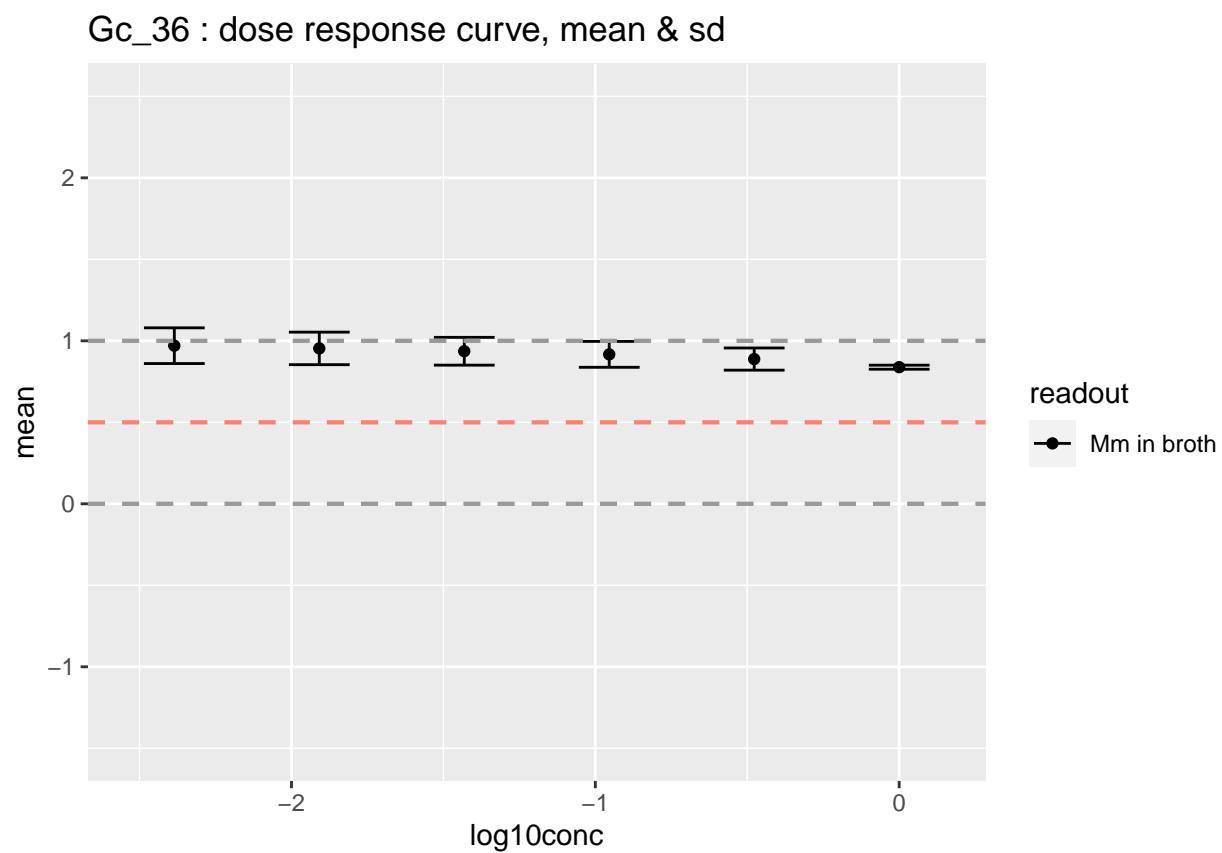


Gc_35 : dose response curve, mean & sd

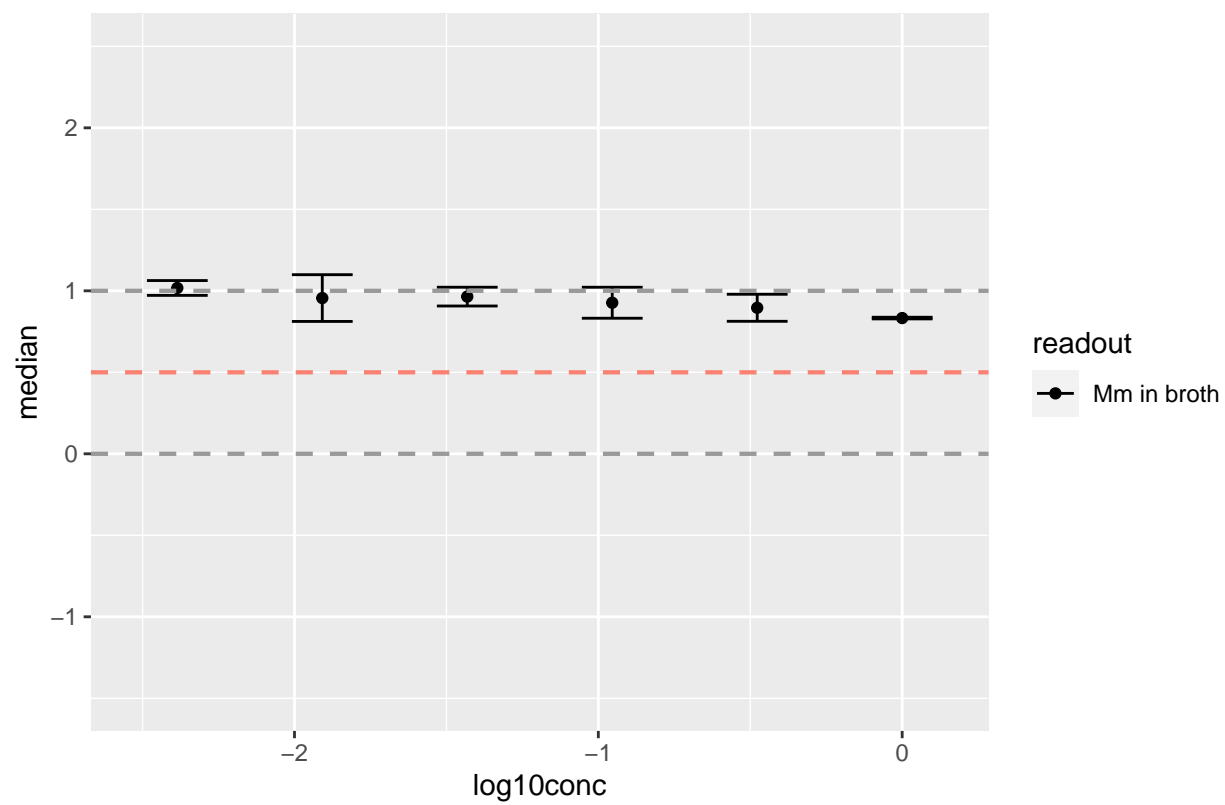


Gc_35 : dose response curve, median & mad

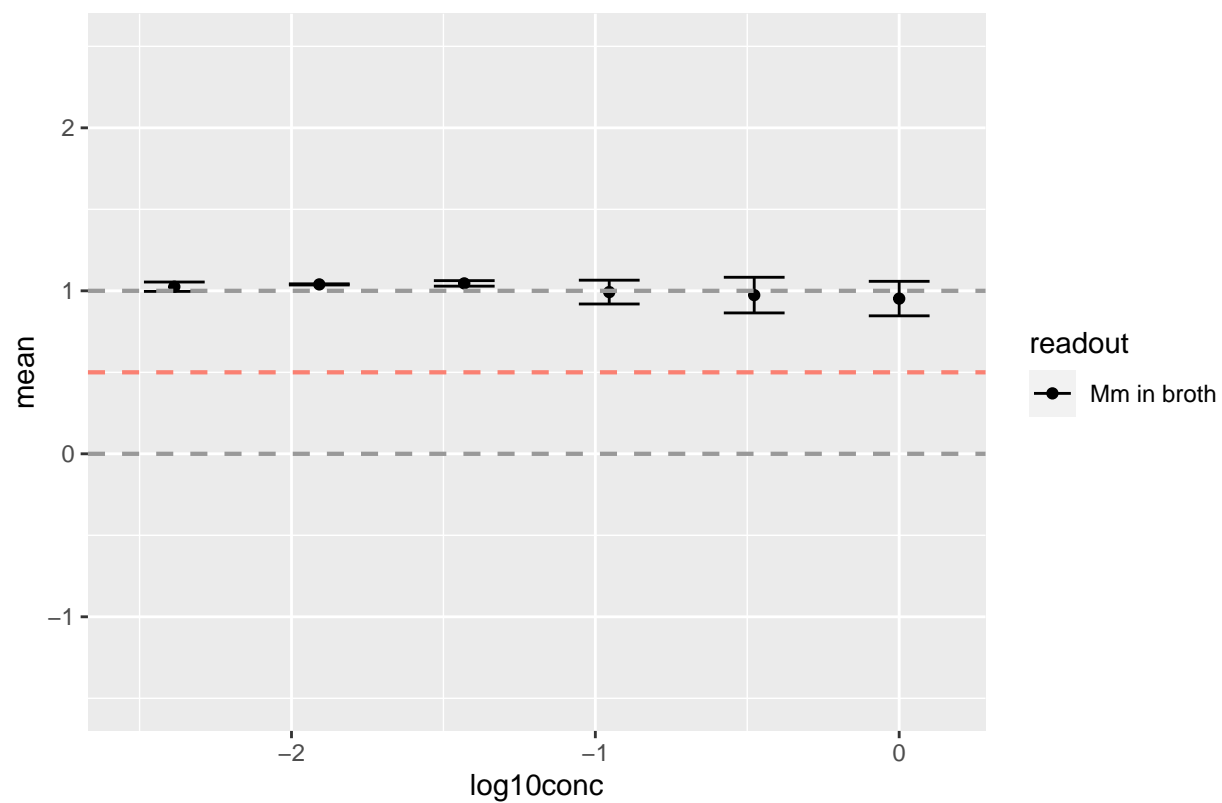




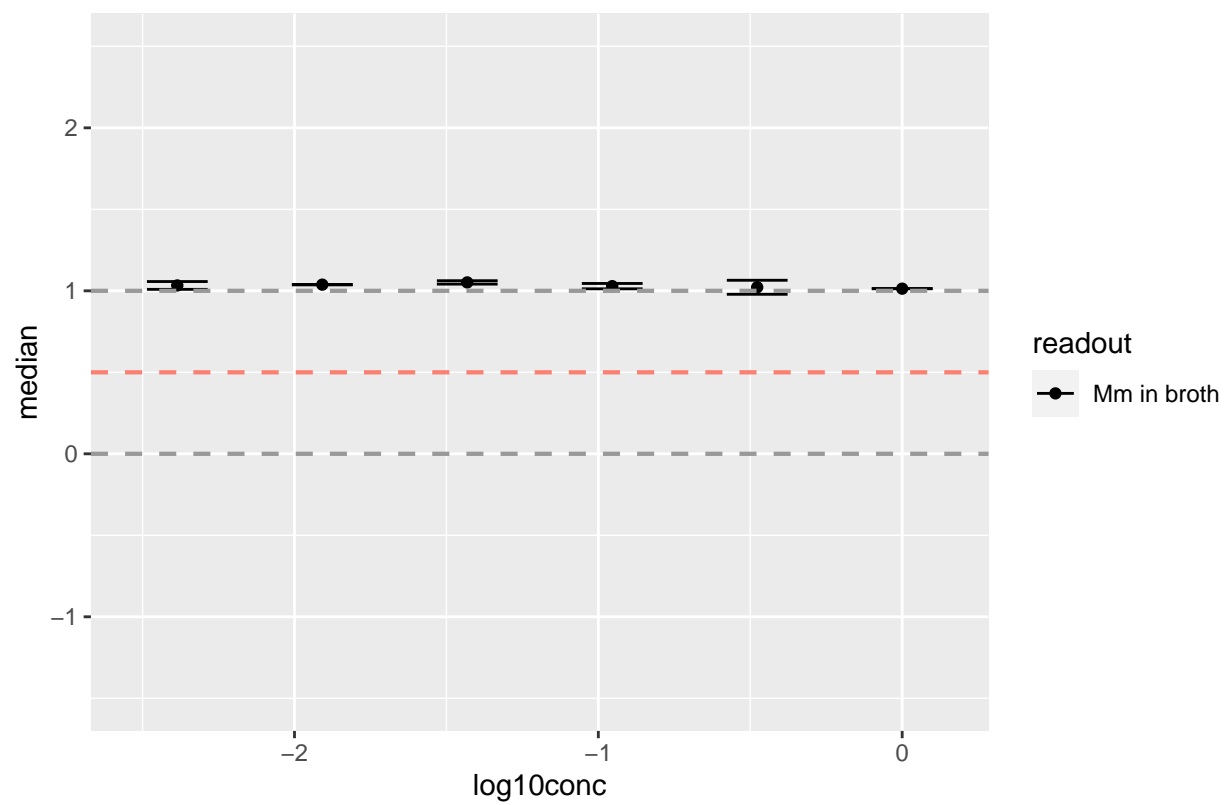
Gc_36 : dose response curve, median & mad



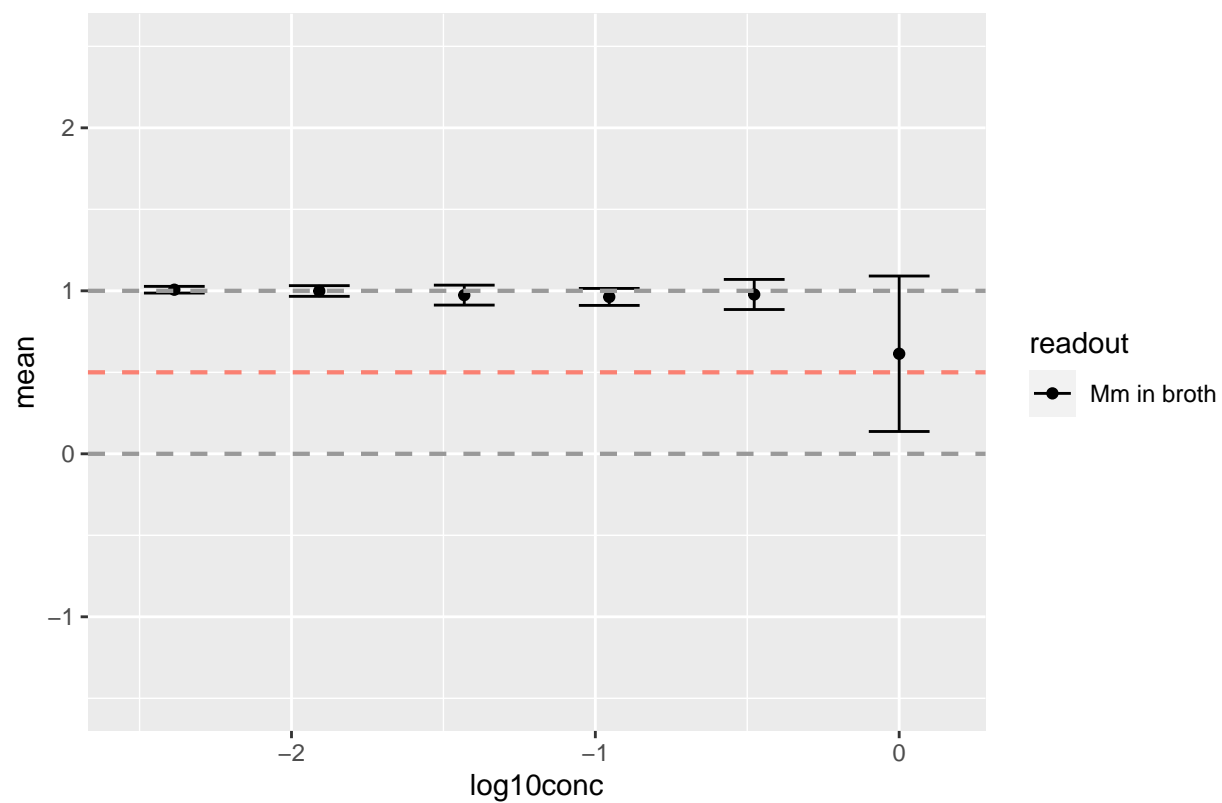
Gc_37 : dose response curve, mean & sd



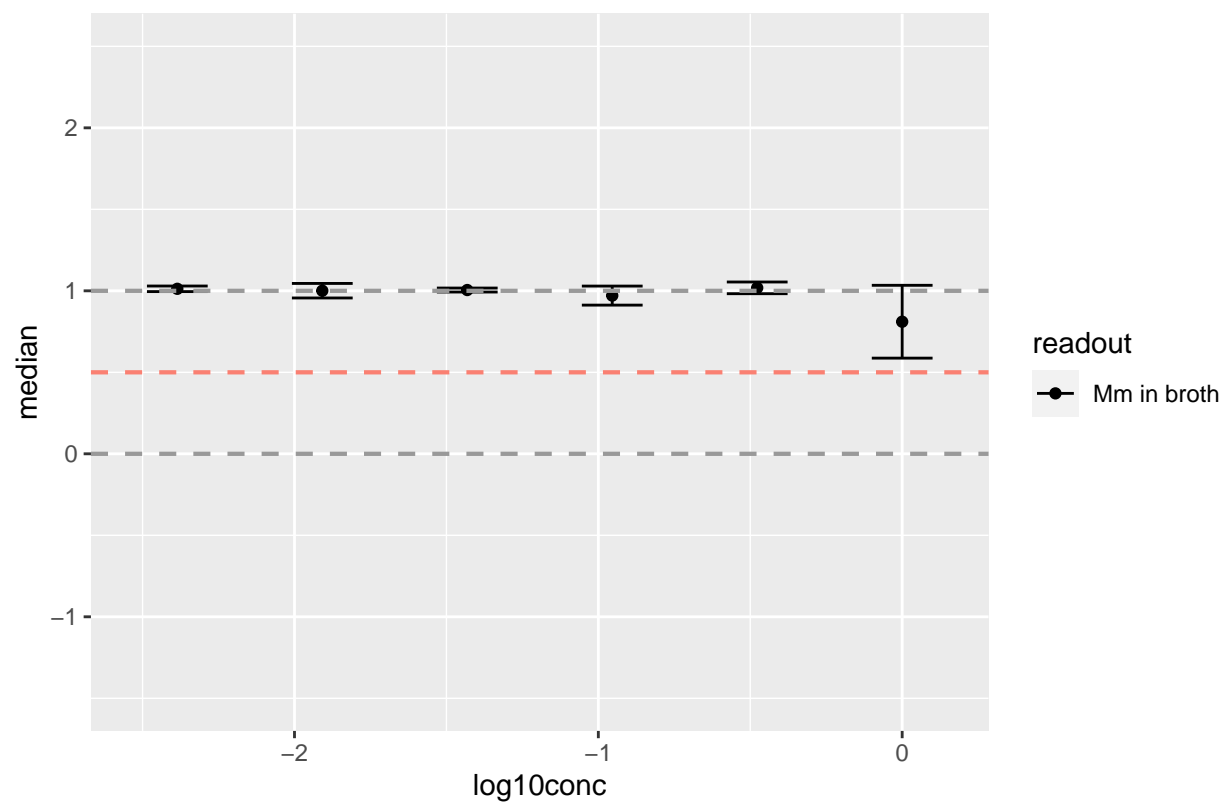
Gc_37 : dose response curve, median & mad



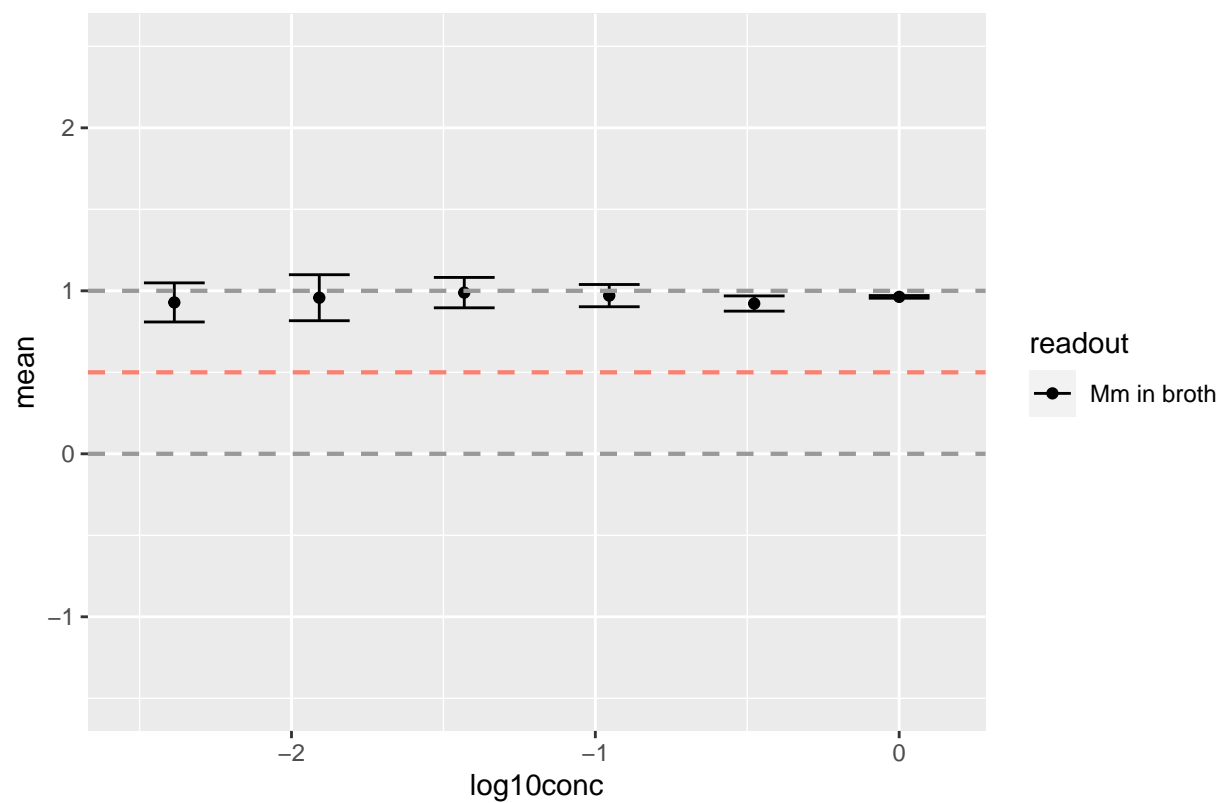
Ko_09 : dose response curve, mean & sd



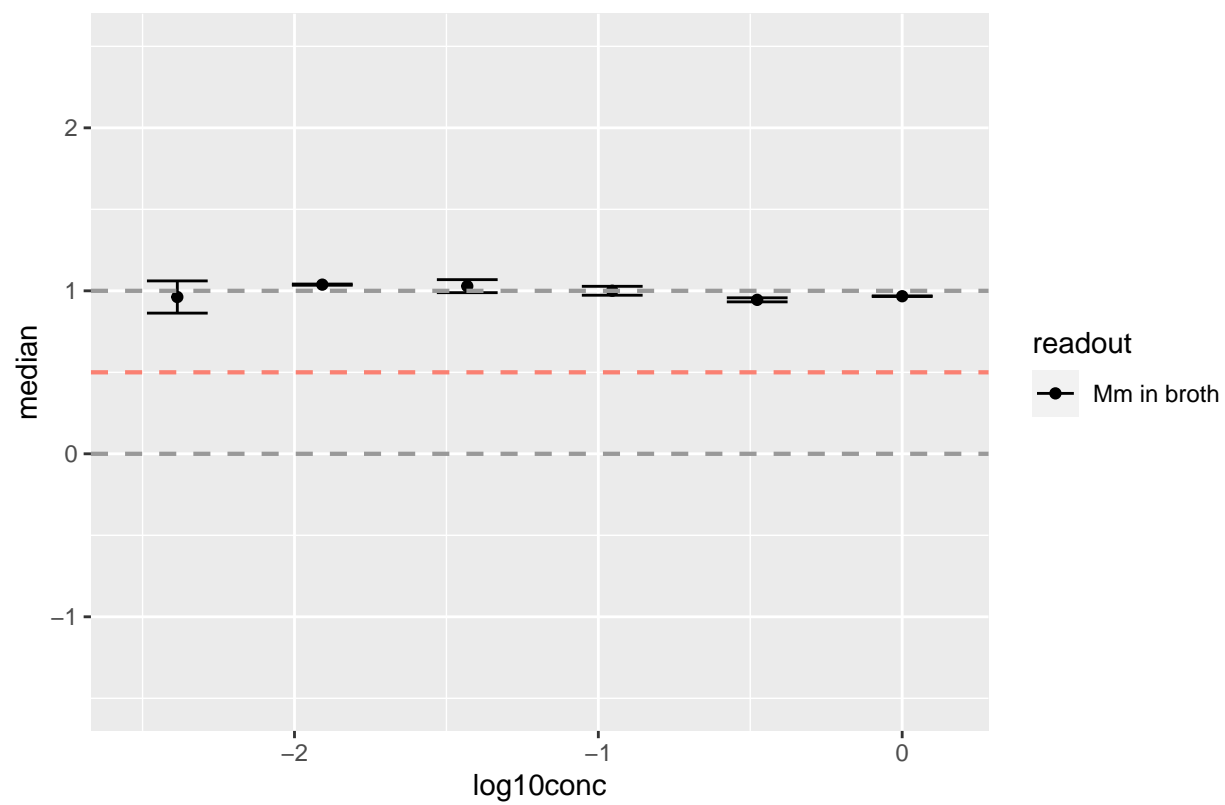
Ko_09 : dose response curve, median & mad



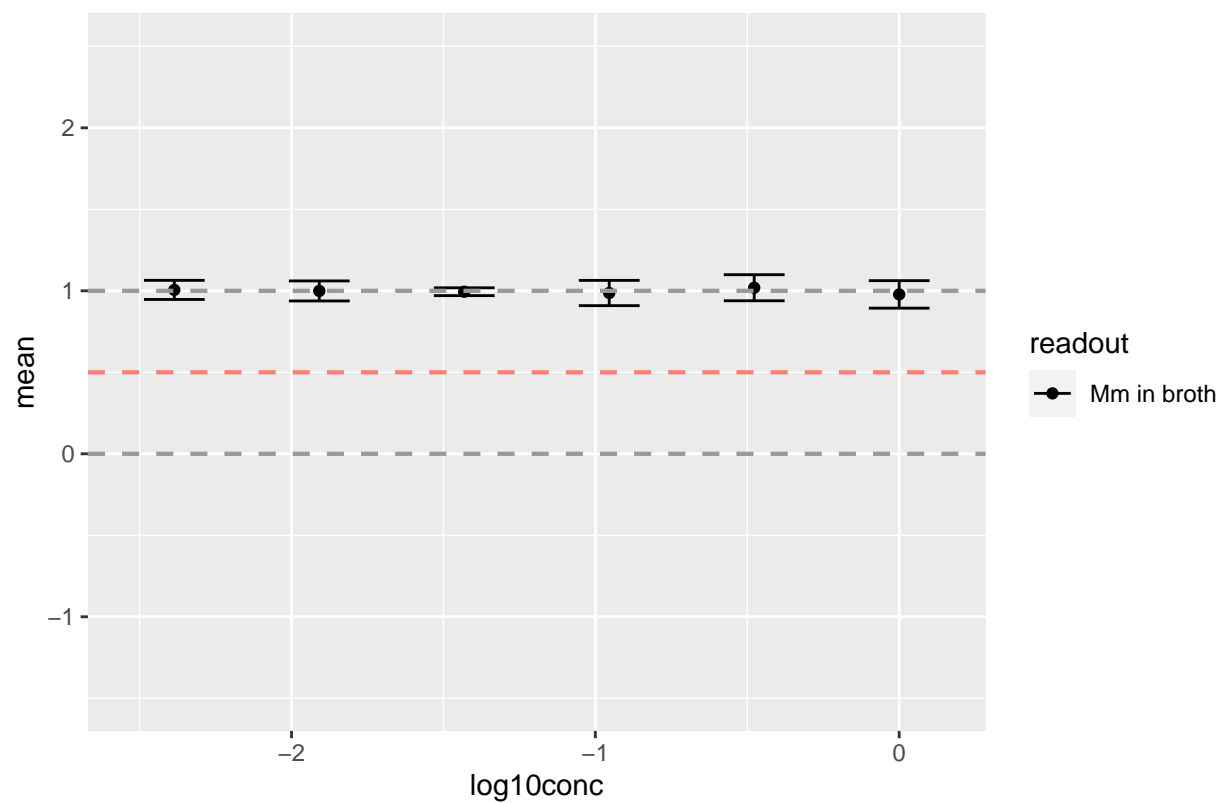
Ko_11 : dose response curve, mean & sd



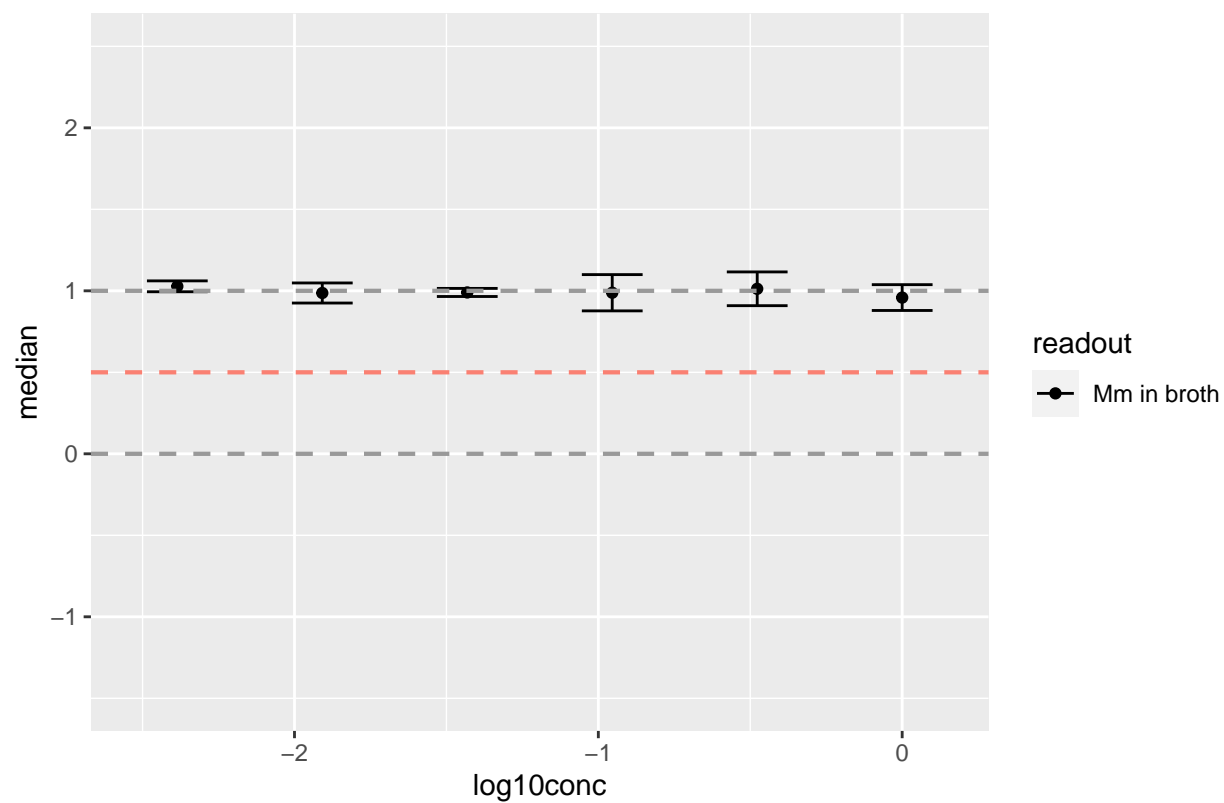
Ko_11 : dose response curve, median & mad



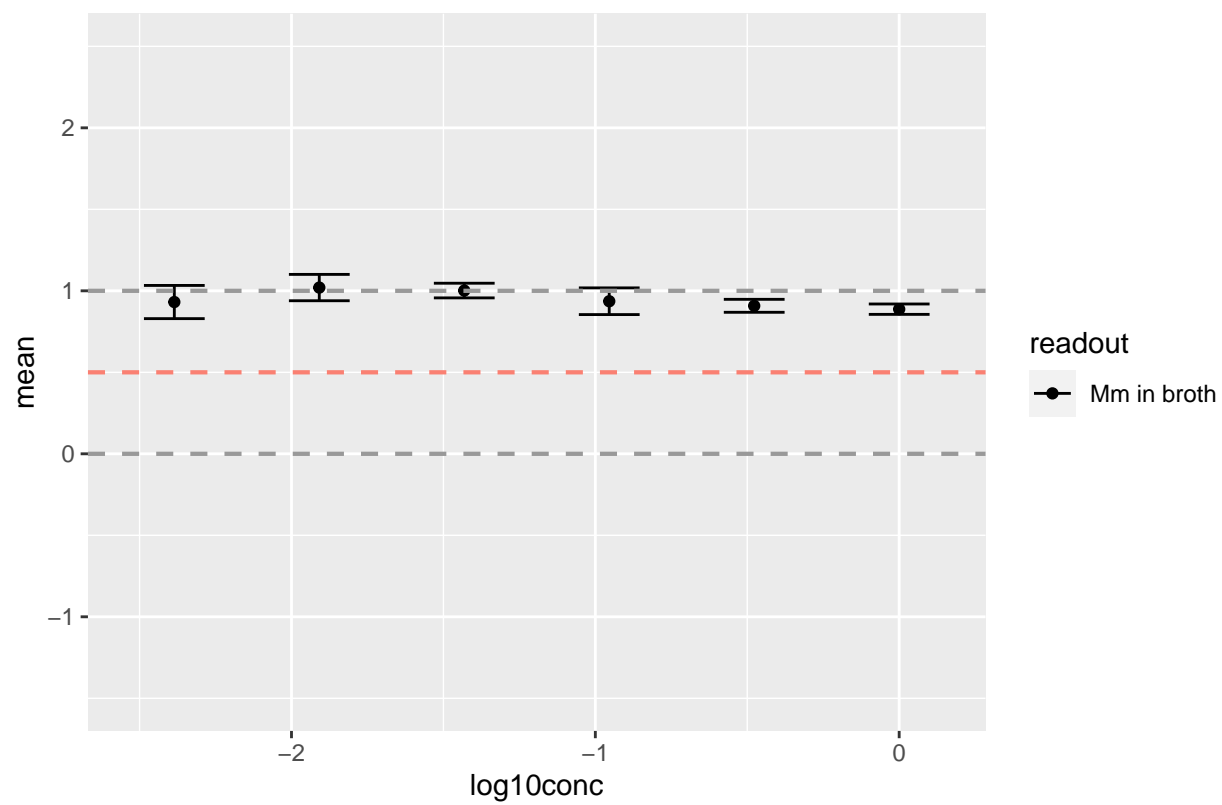
Ko_15 : dose response curve, mean & sd



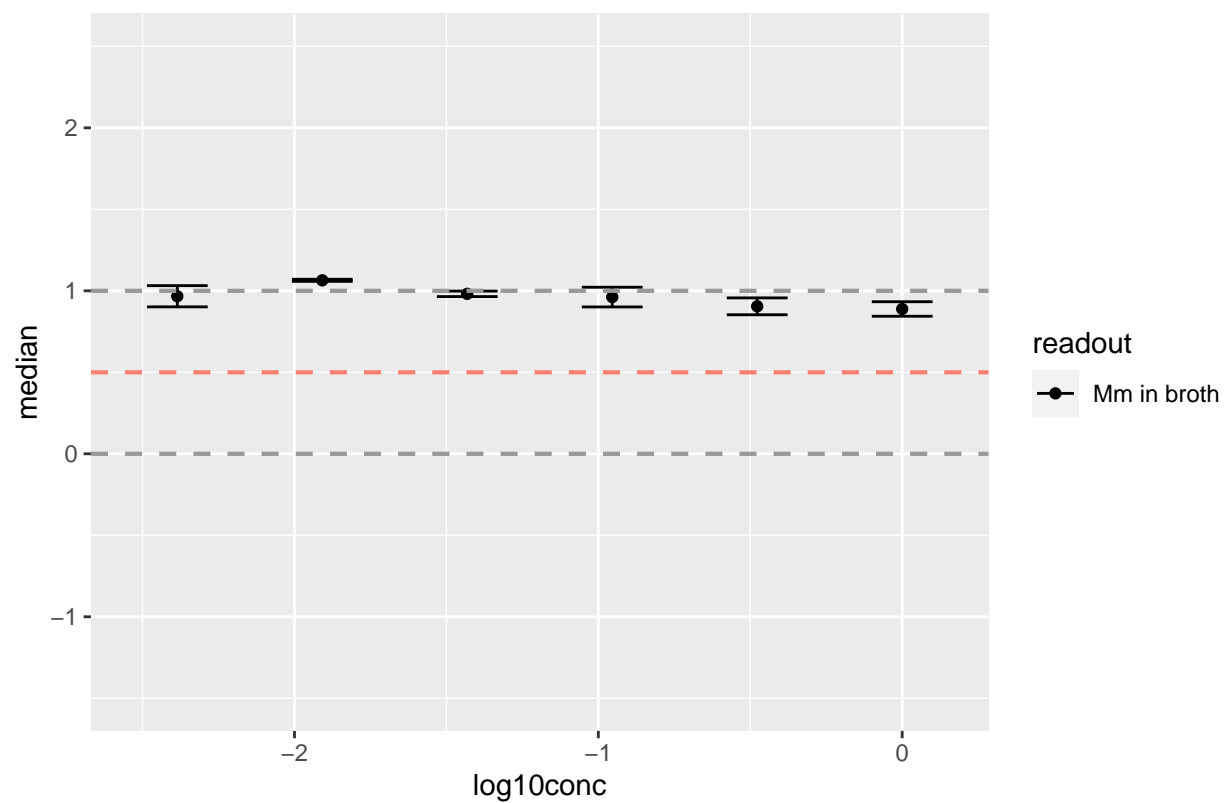
Ko_15 : dose response curve, median & mad



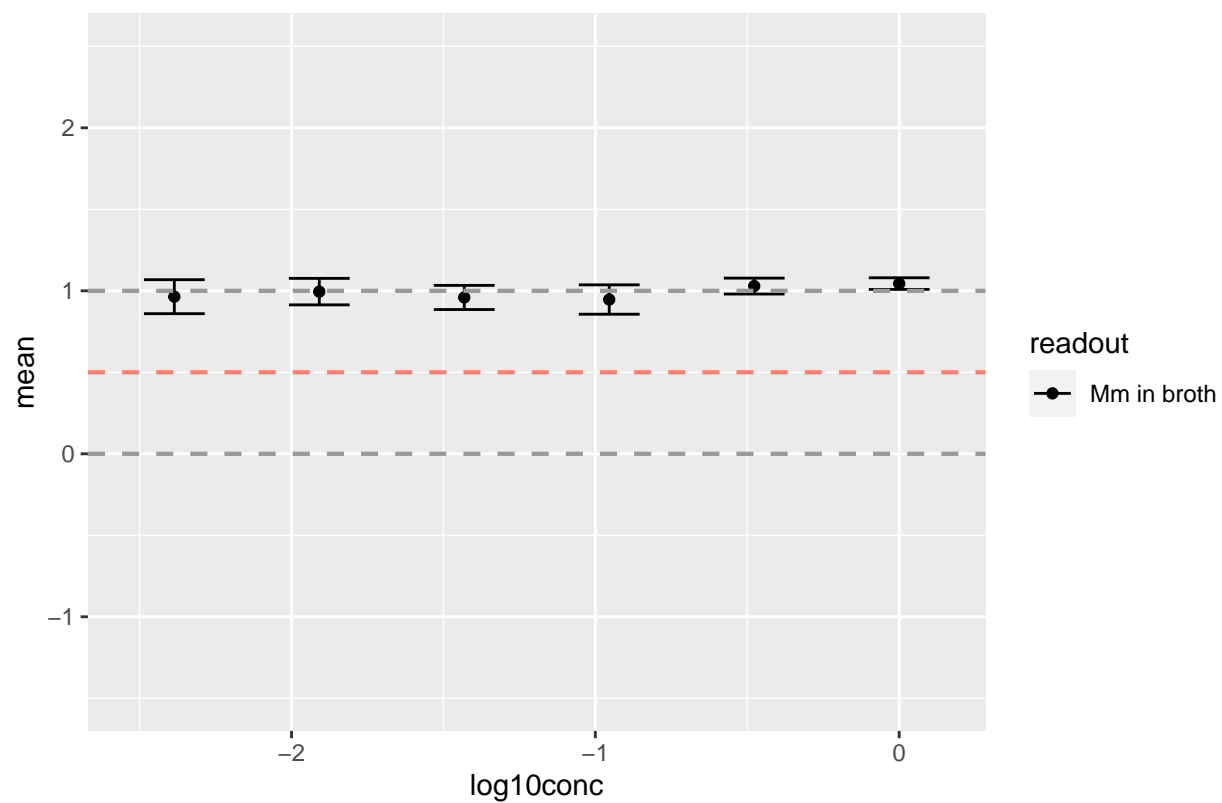
Ko_16 : dose response curve, mean & sd



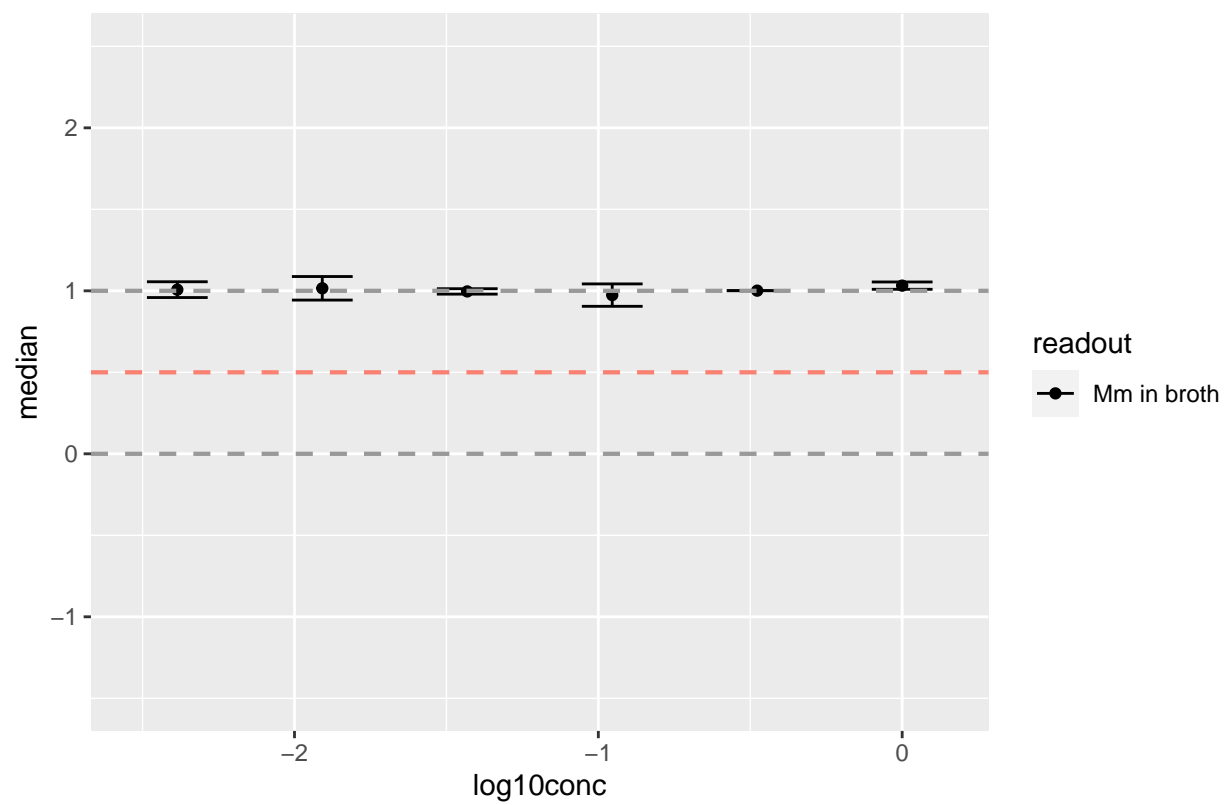
Ko_16 : dose response curve, median & mad



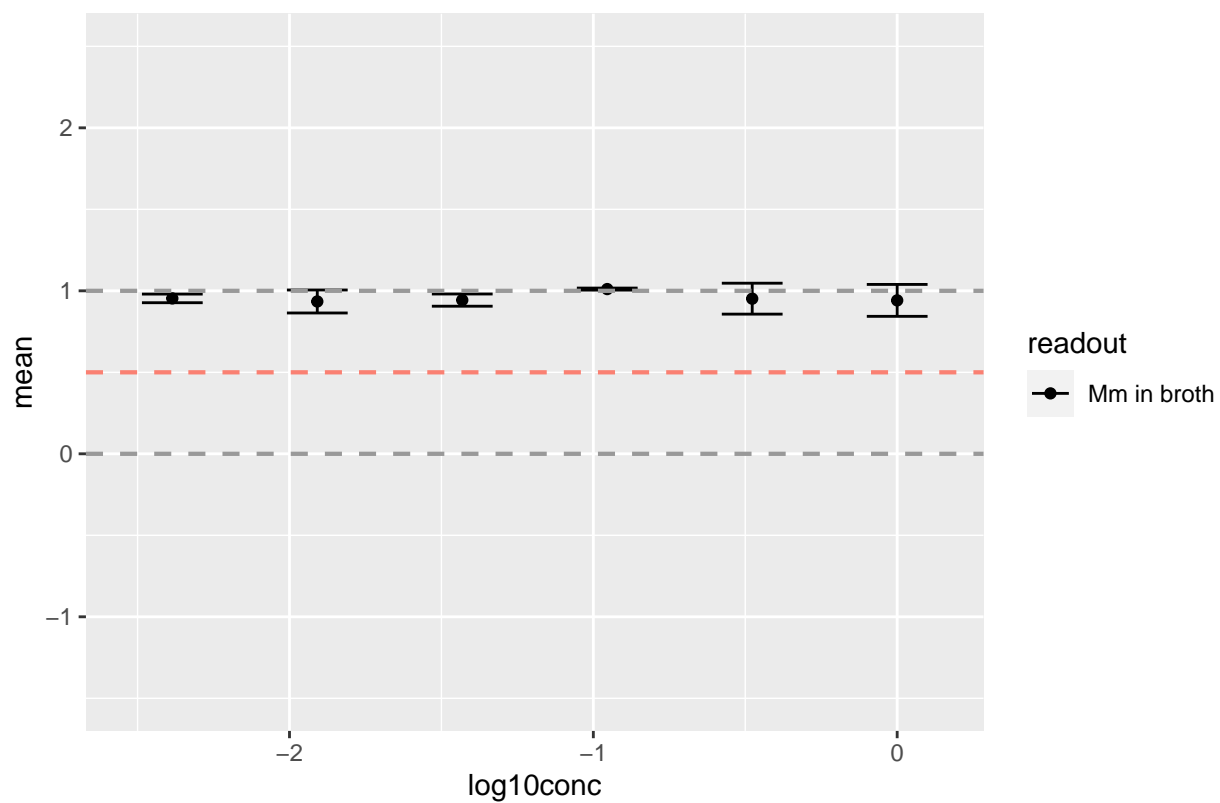
Ko_17 : dose response curve, mean & sd



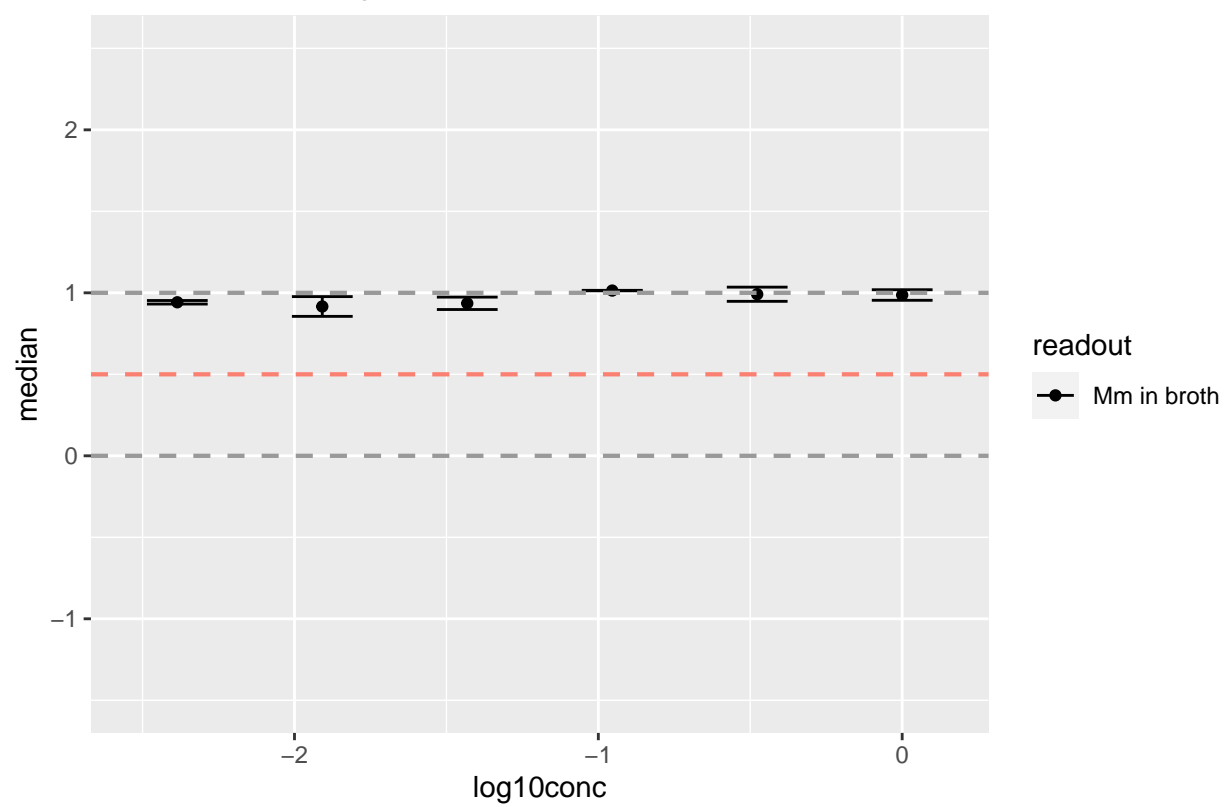
Ko_17 : dose response curve, median & mad



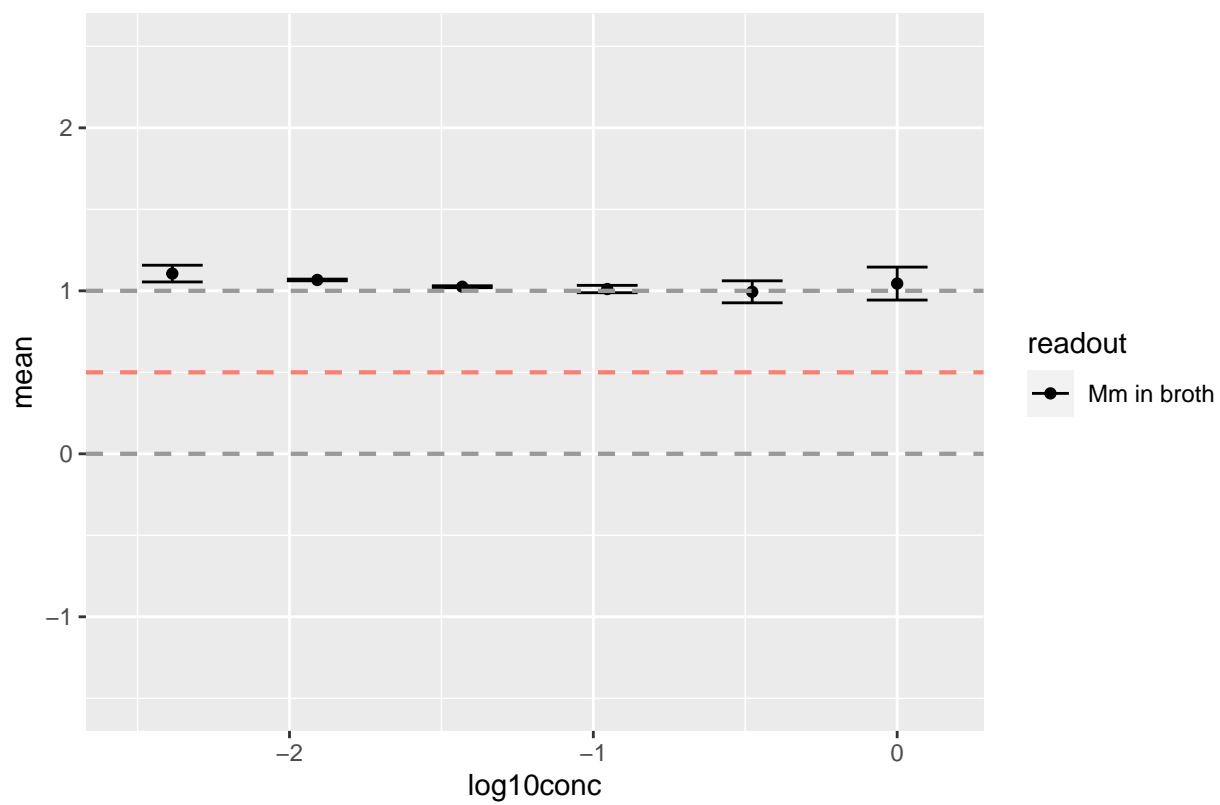
Ko_18 : dose response curve, mean & sd



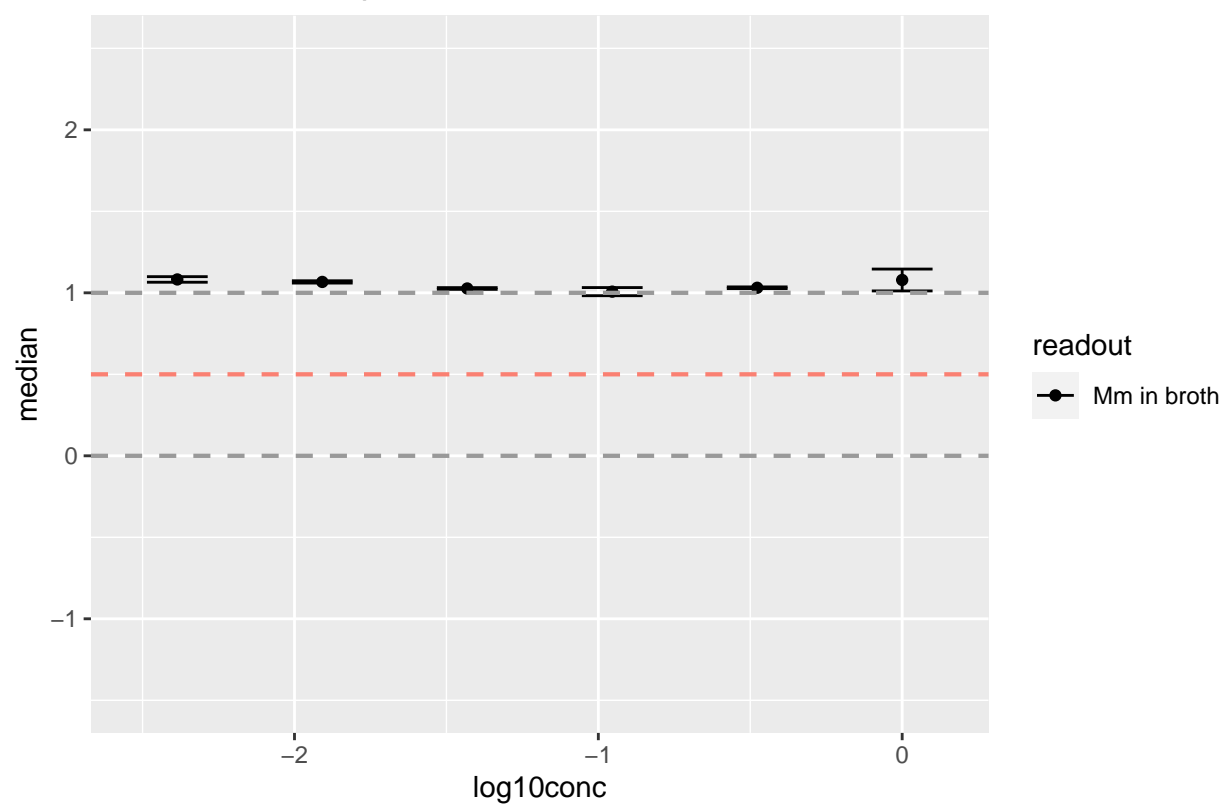
Ko_18 : dose response curve, median & mad



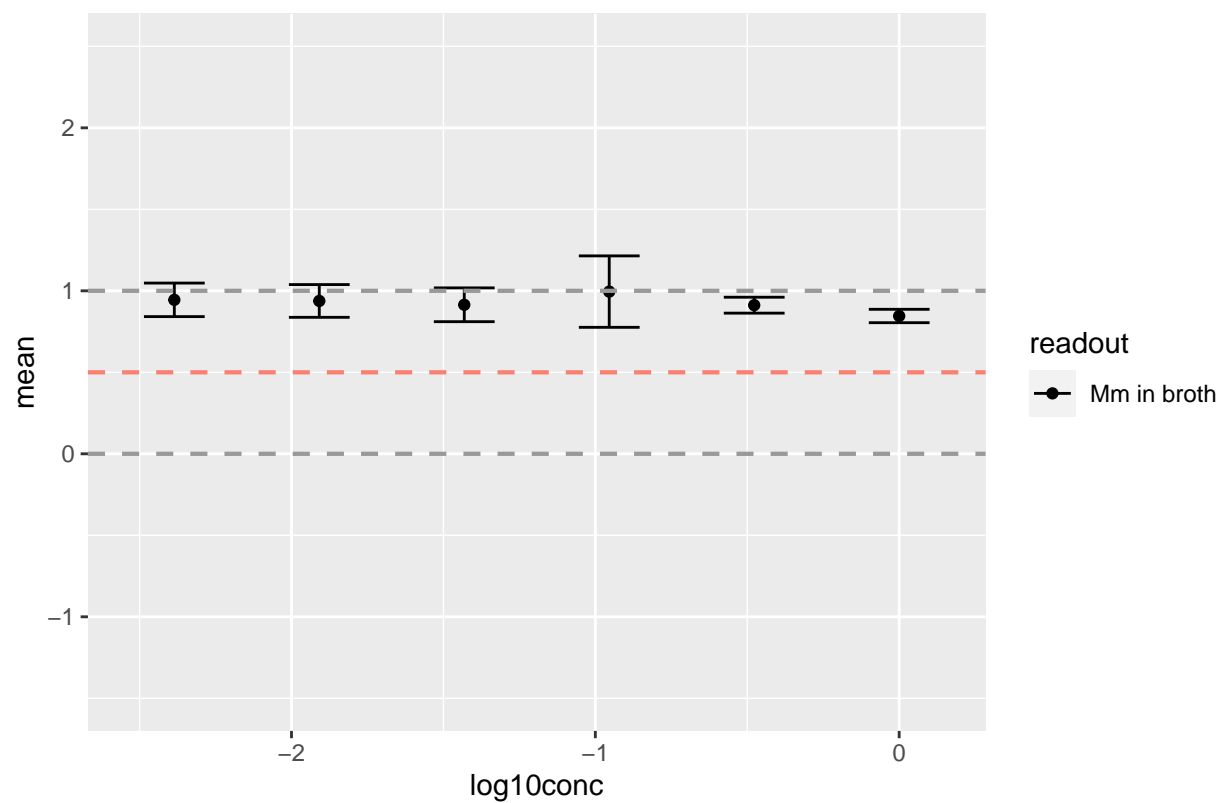
Ko_20 : dose response curve, mean & sd



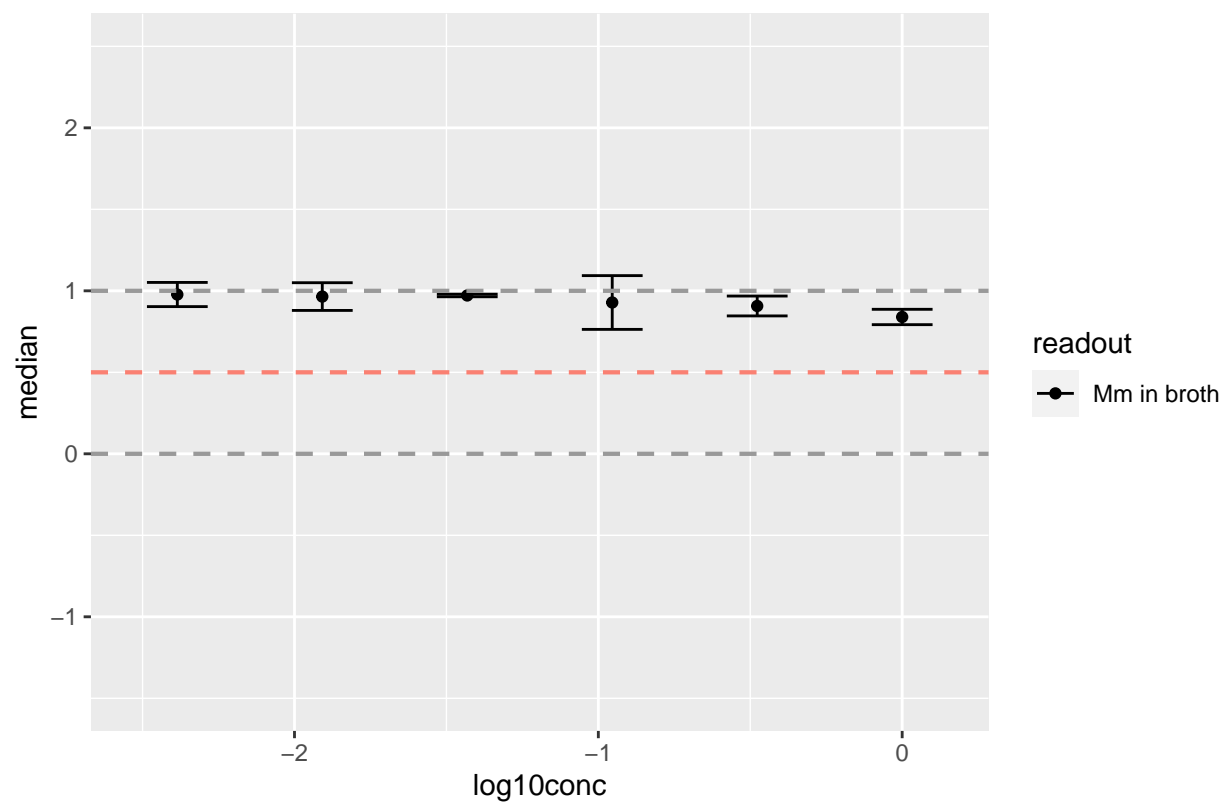
Ko_20 : dose response curve, median & mad



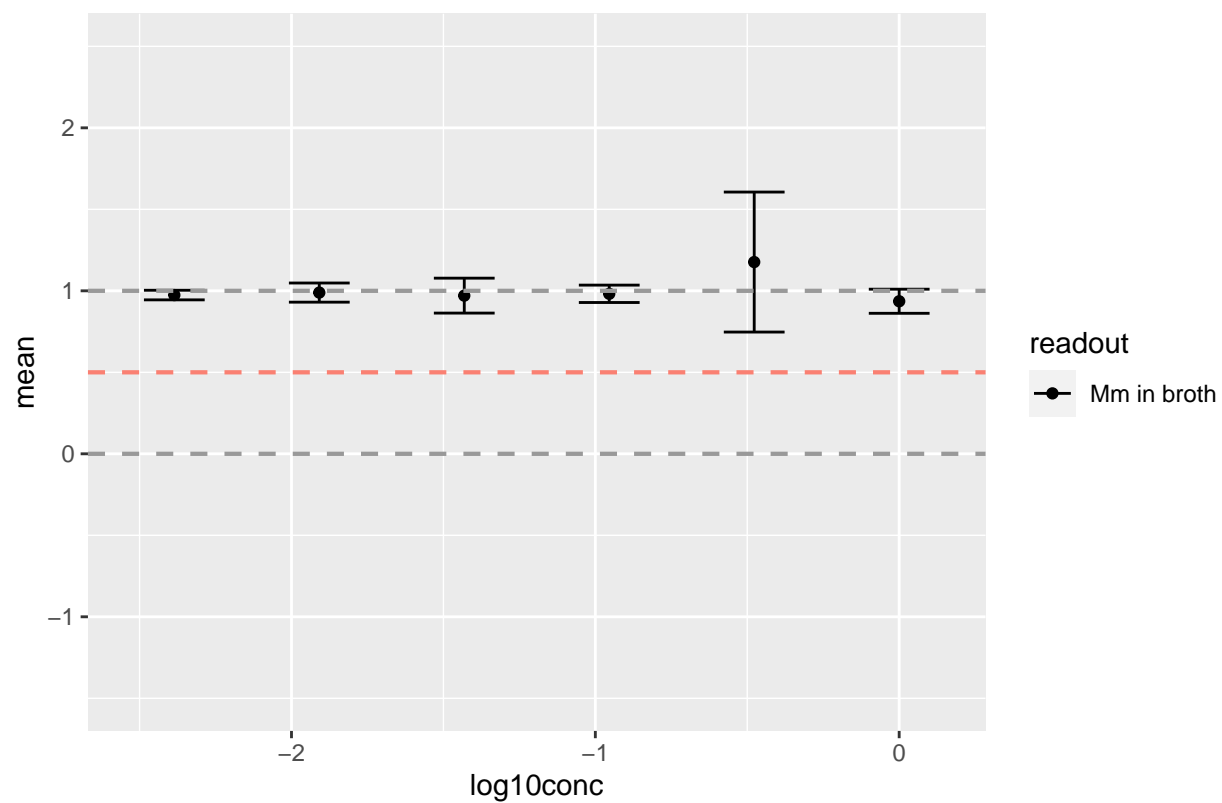
Ko_21 : dose response curve, mean & sd



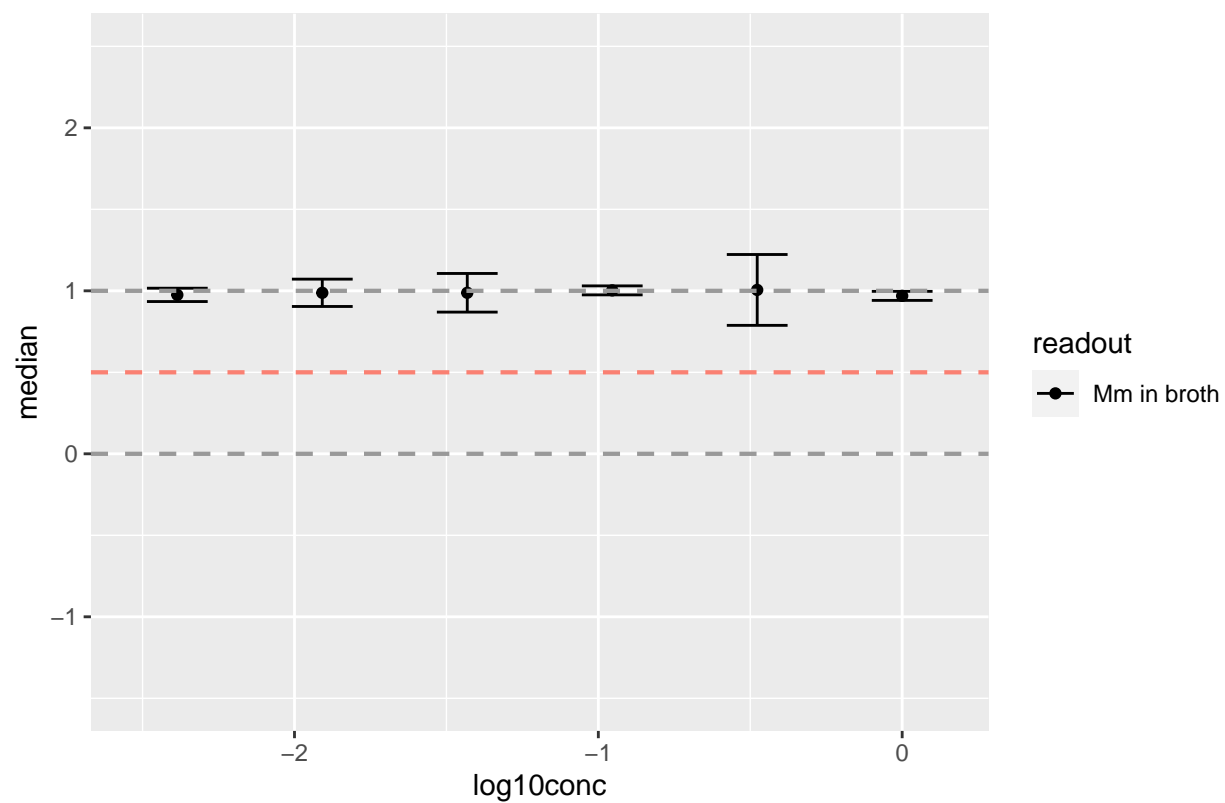
Ko_21 : dose response curve, median & mad



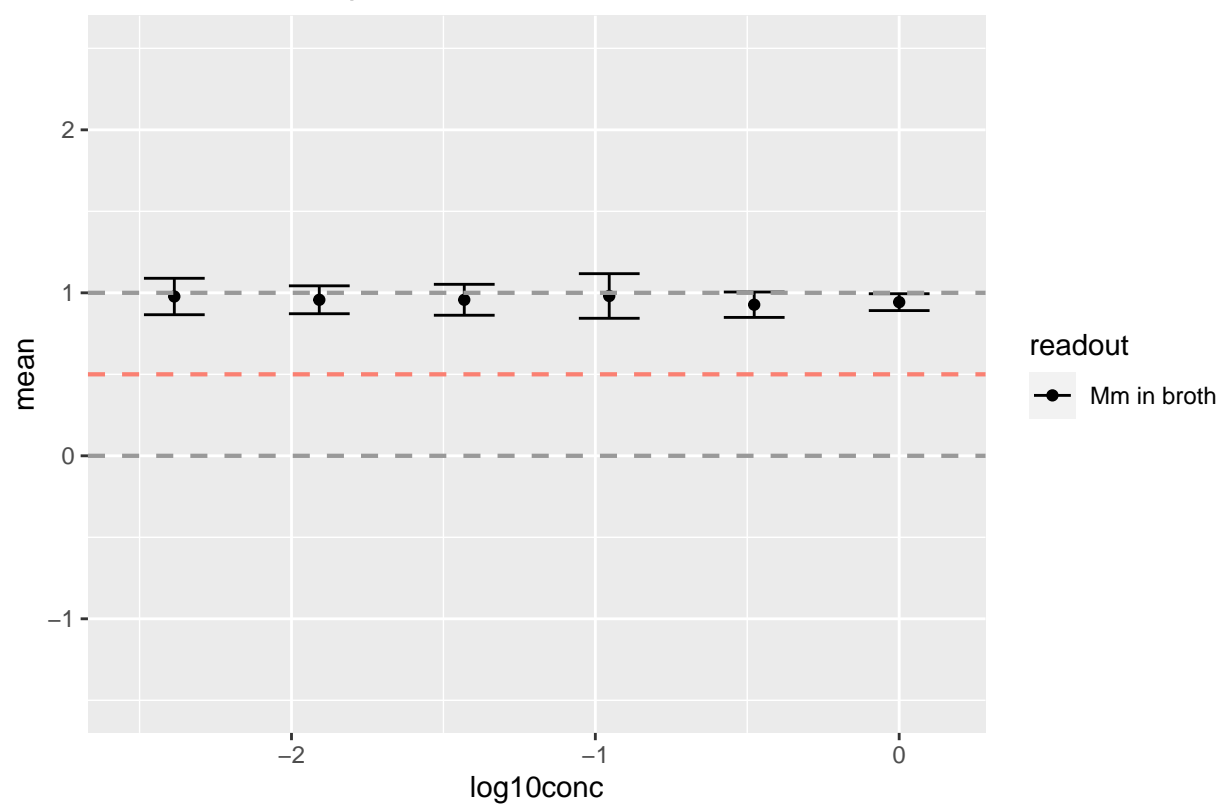
Ko_22 : dose response curve, mean & sd



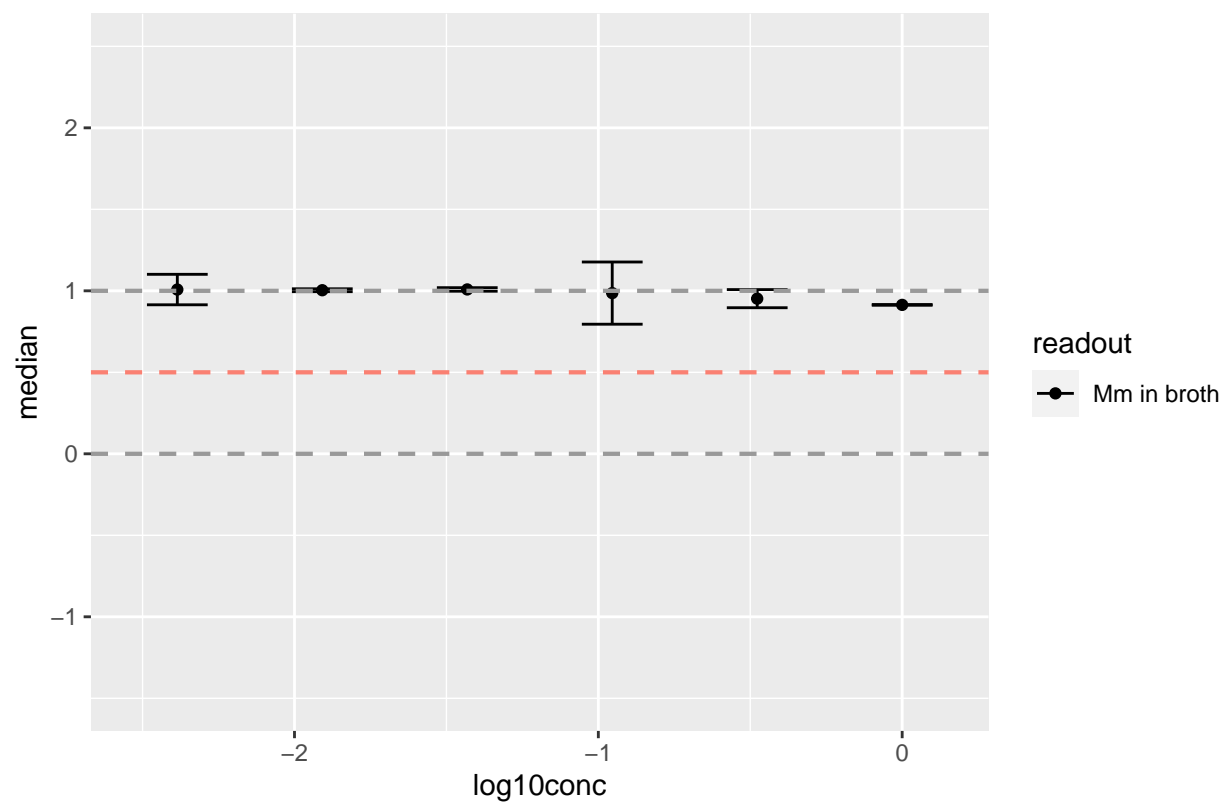
Ko_22 : dose response curve, median & mad



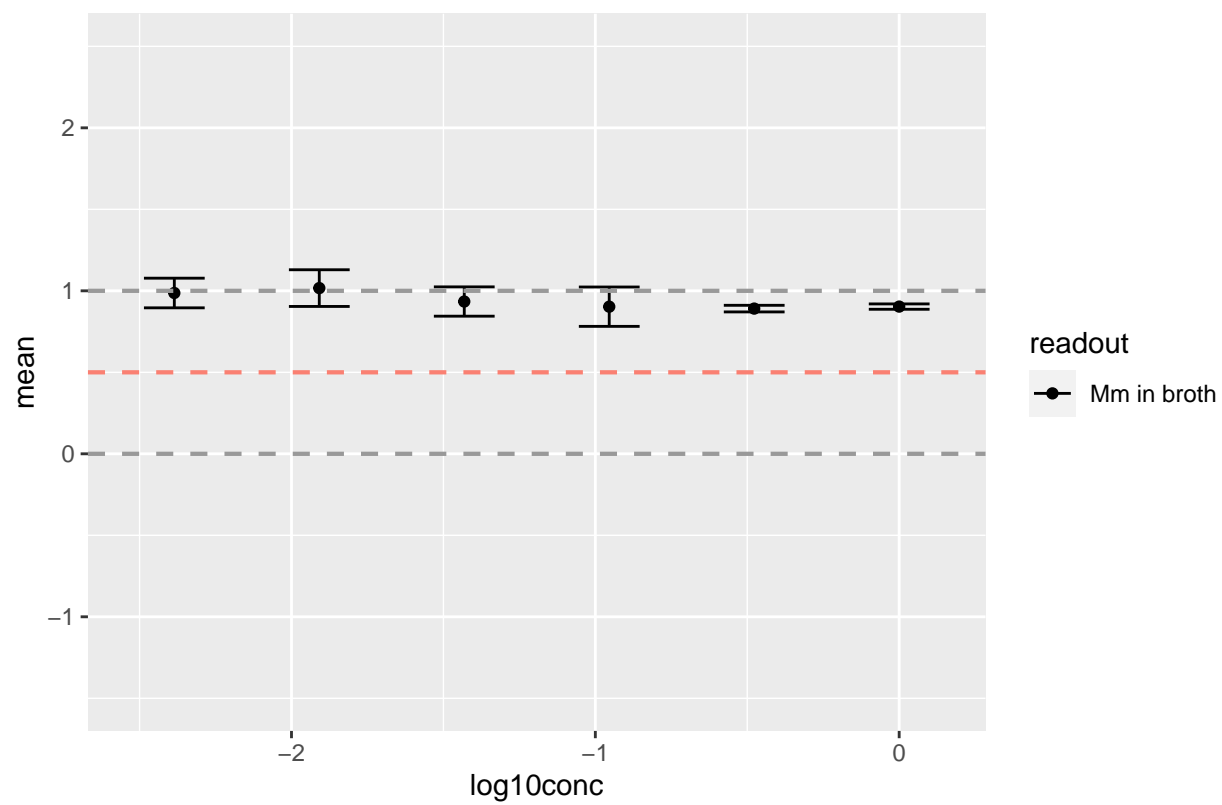
Ko_25 : dose response curve, mean & sd



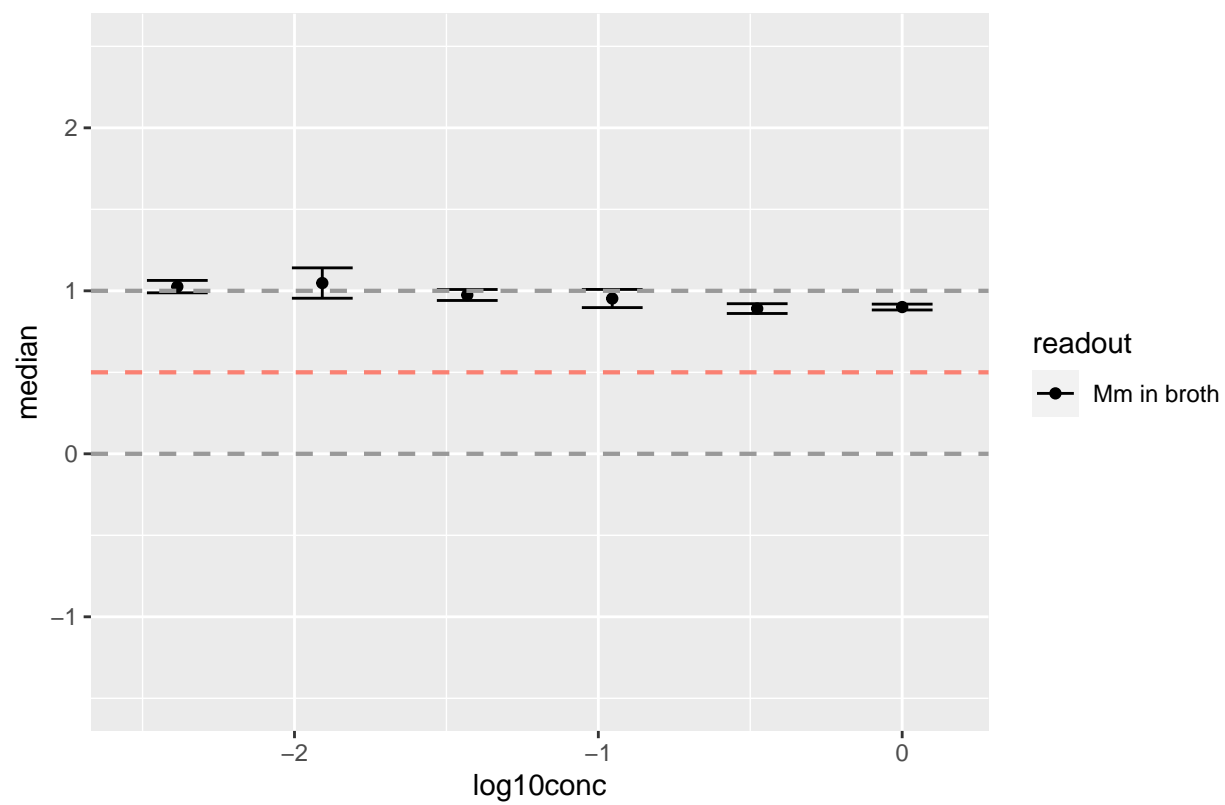
Ko_25 : dose response curve, median & mad



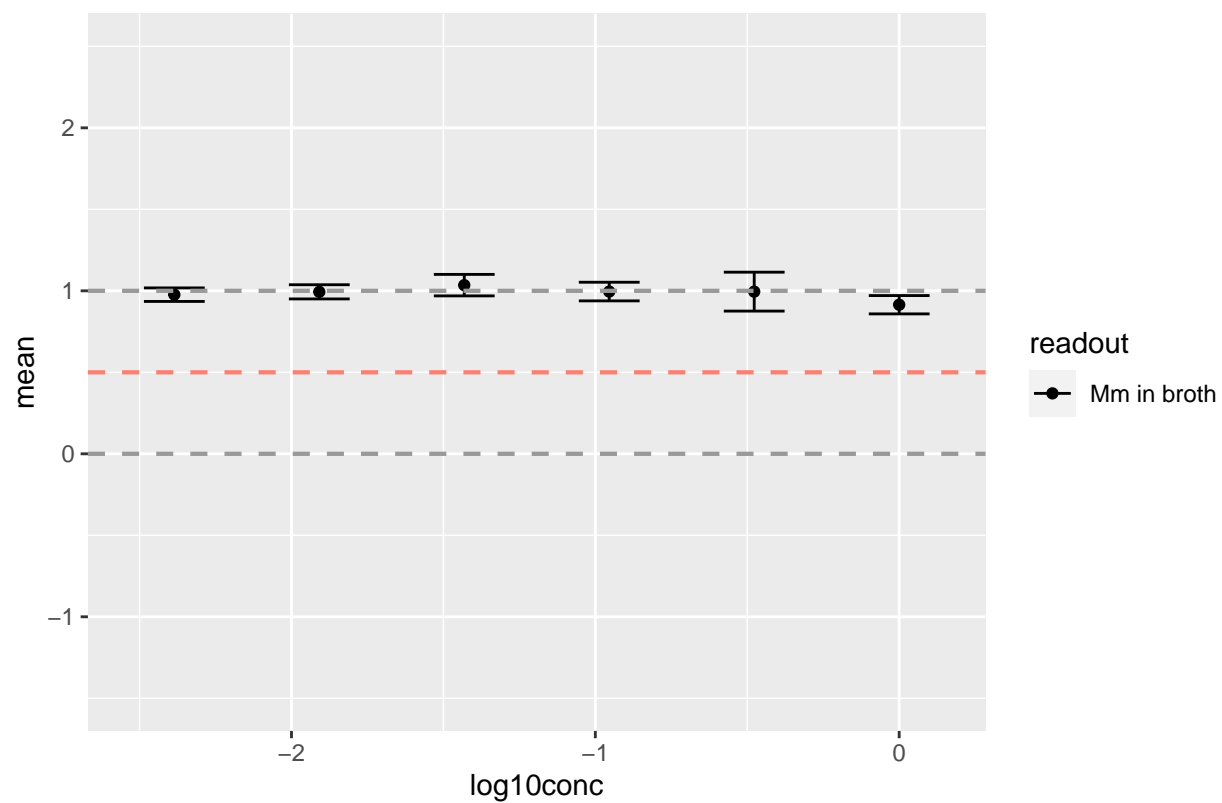
Ko_26 : dose response curve, mean & sd



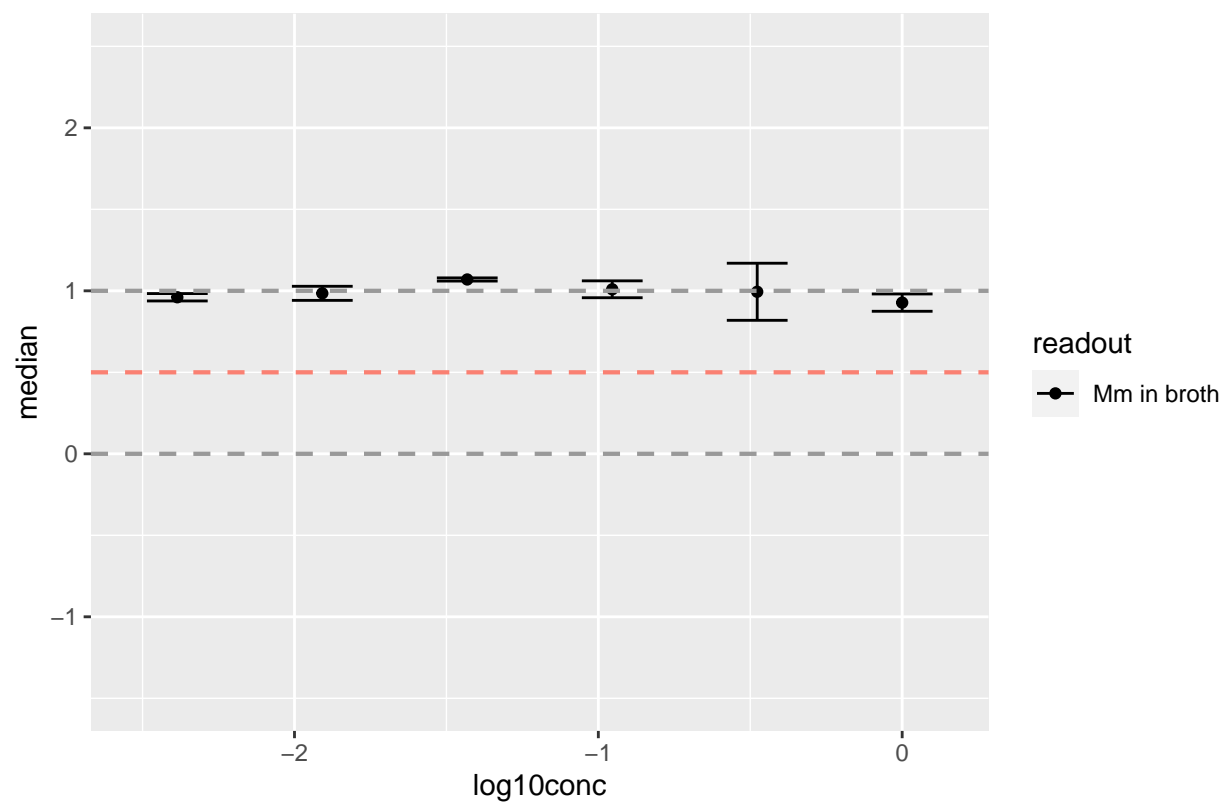
Ko_26 : dose response curve, median & mad



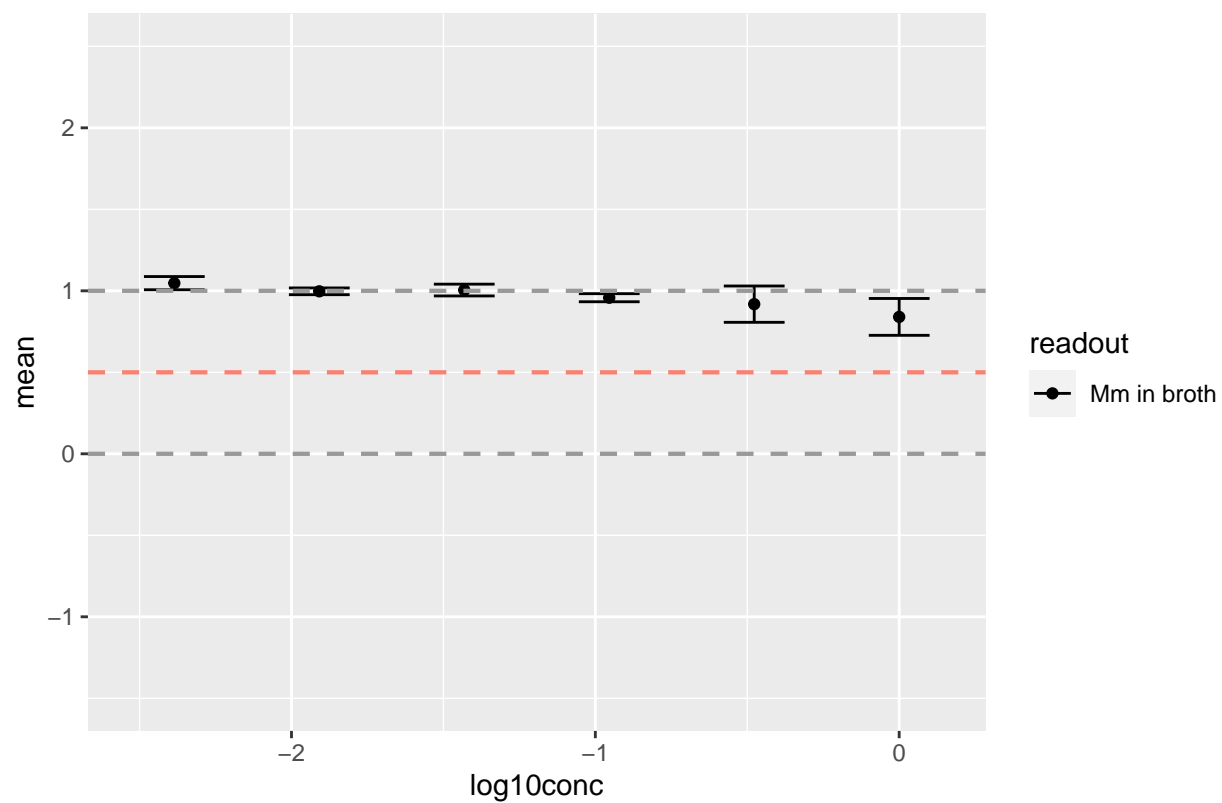
Ko_29 : dose response curve, mean & sd



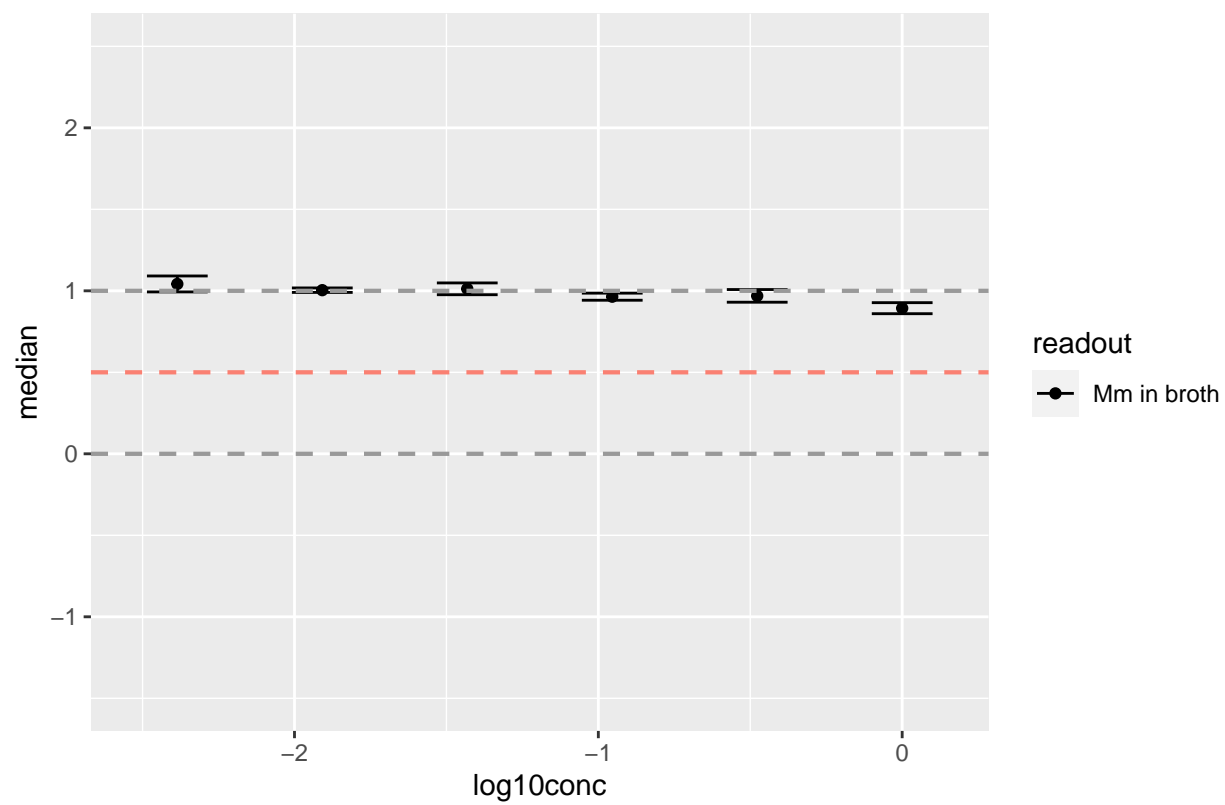
Ko_29 : dose response curve, median & mad



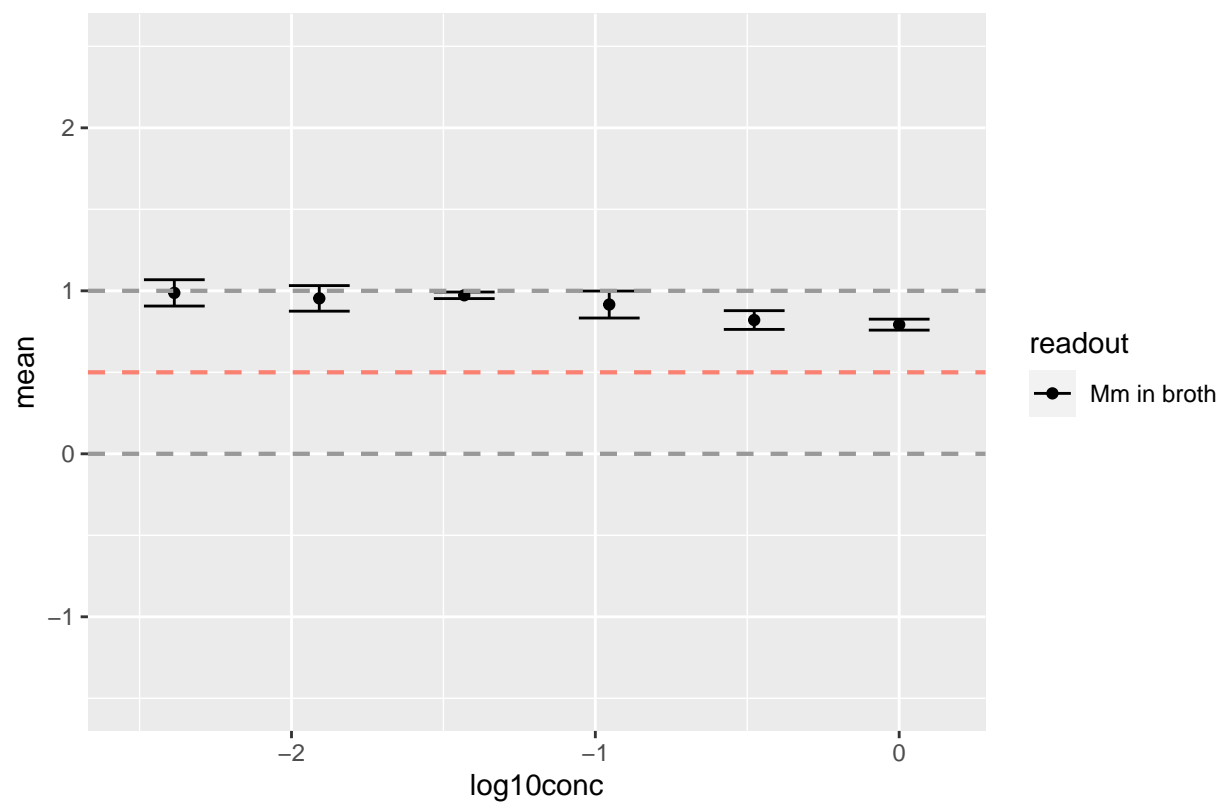
Ko_30 : dose response curve, mean & sd



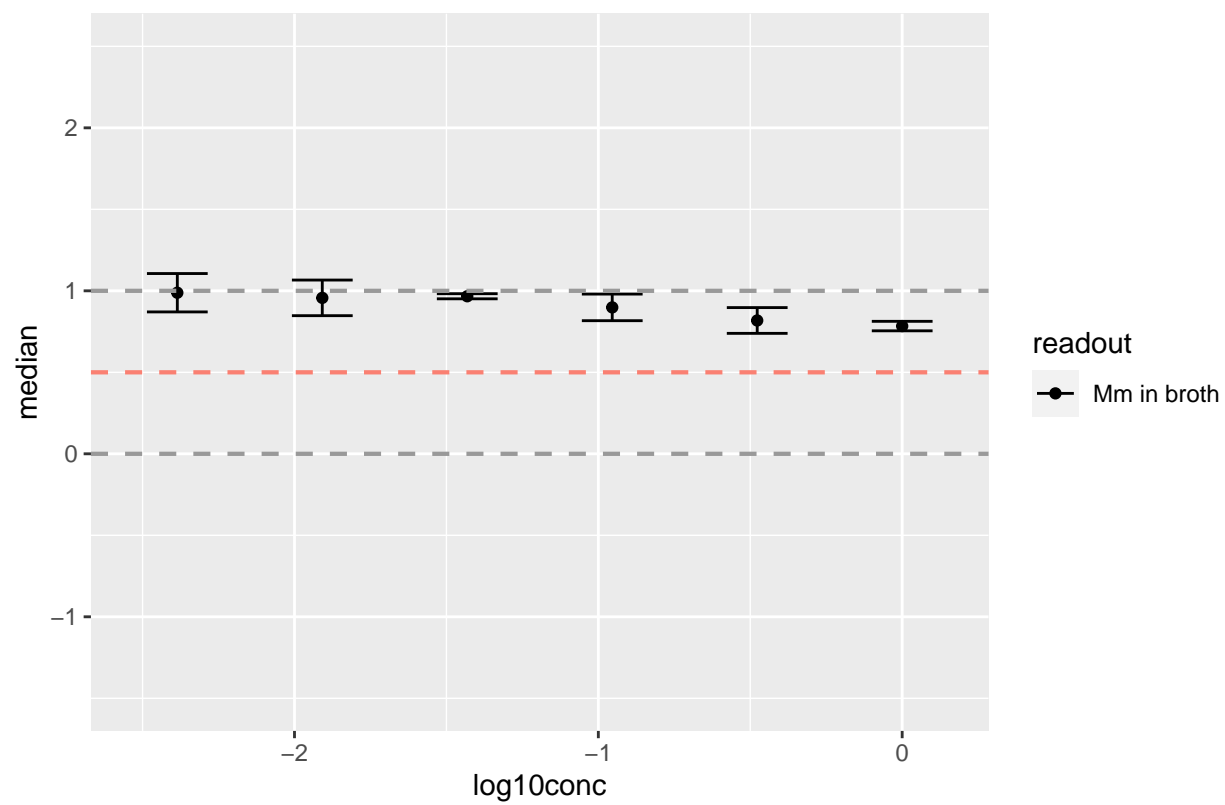
Ko_30 : dose response curve, median & mad



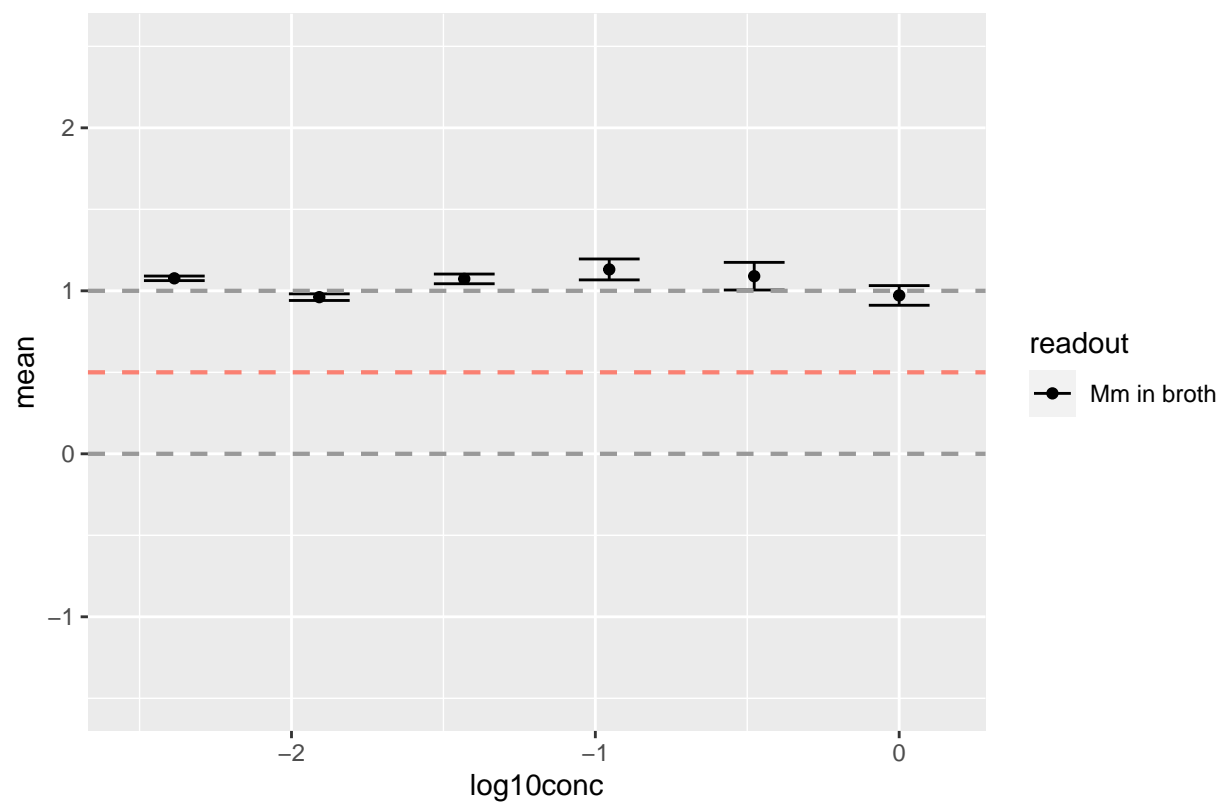
Ko_43 : dose response curve, mean & sd



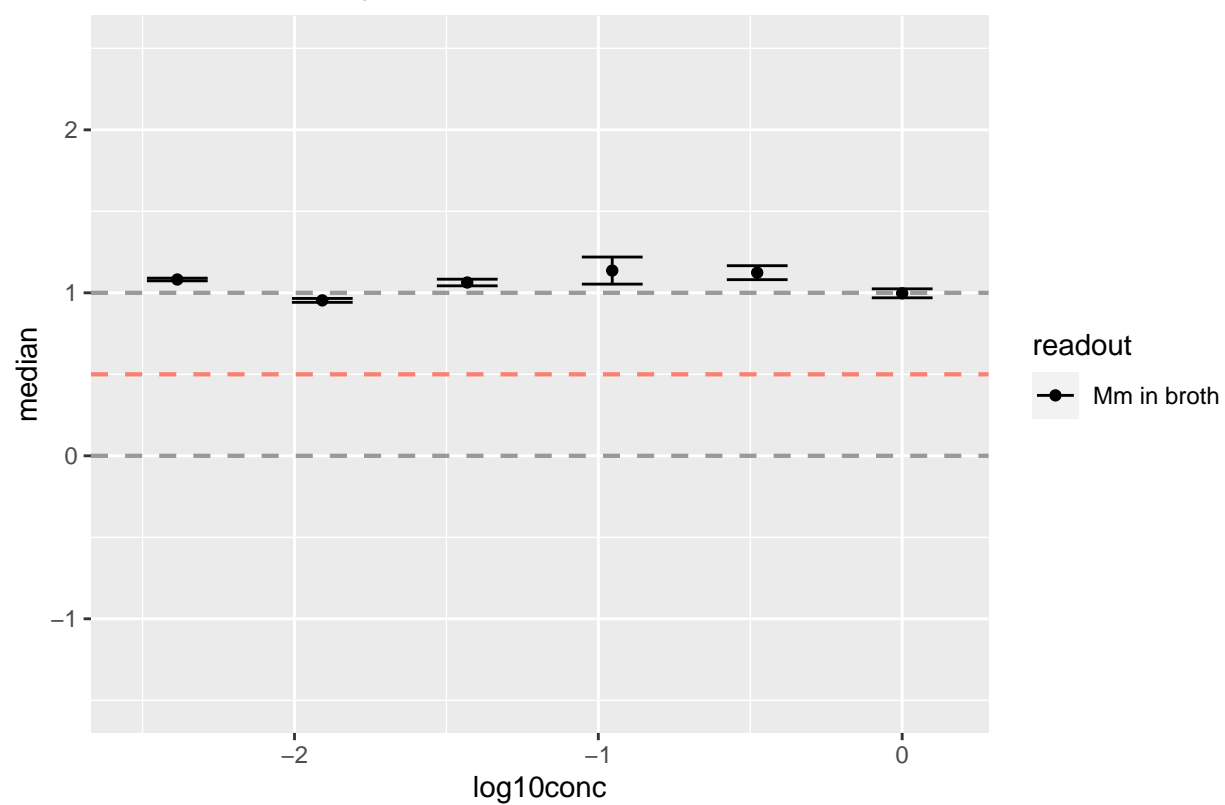
Ko_43 : dose response curve, median & mad



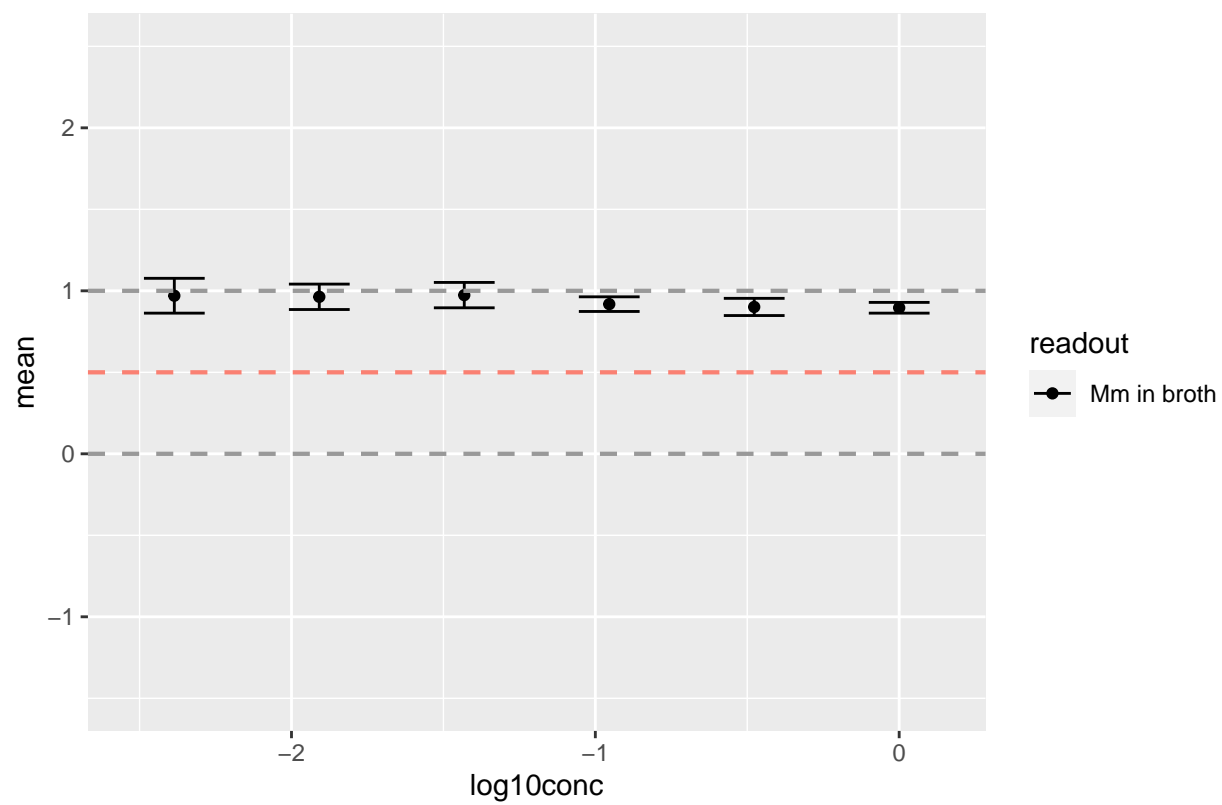
Ko_44 : dose response curve, mean & sd



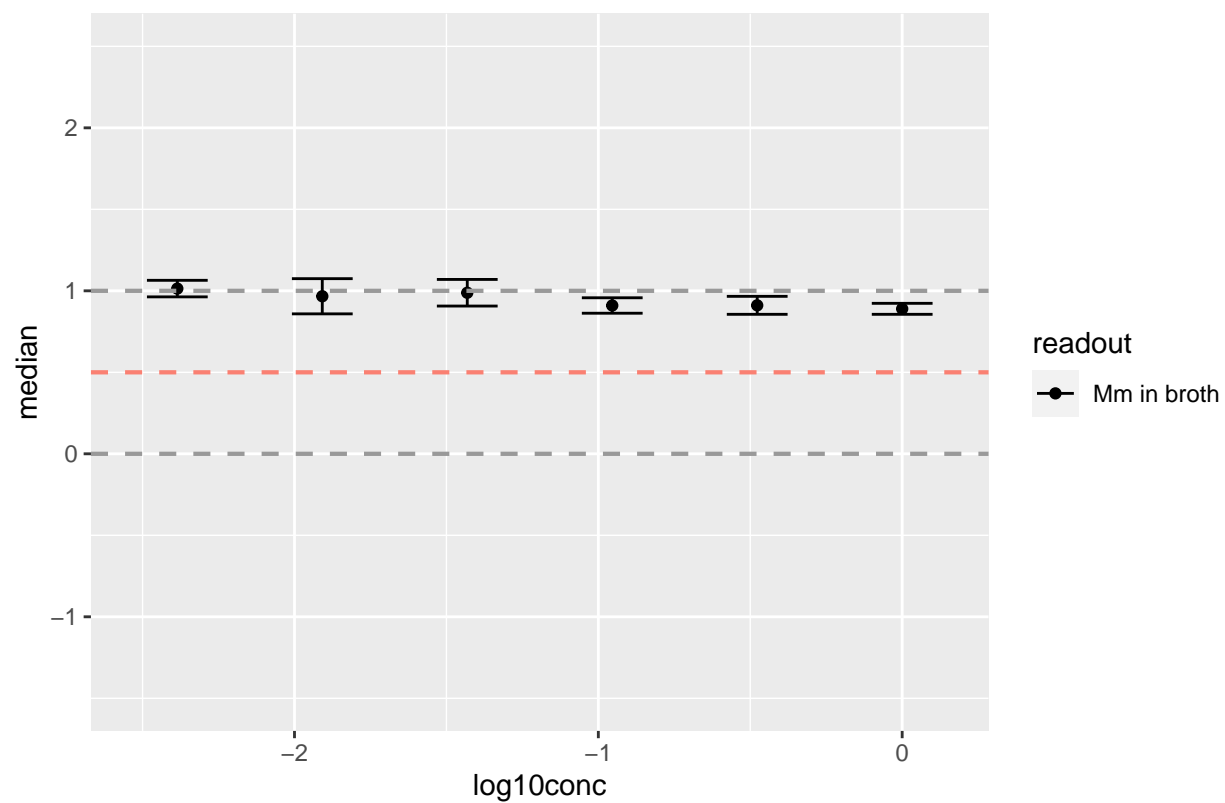
Ko_44 : dose response curve, median & mad



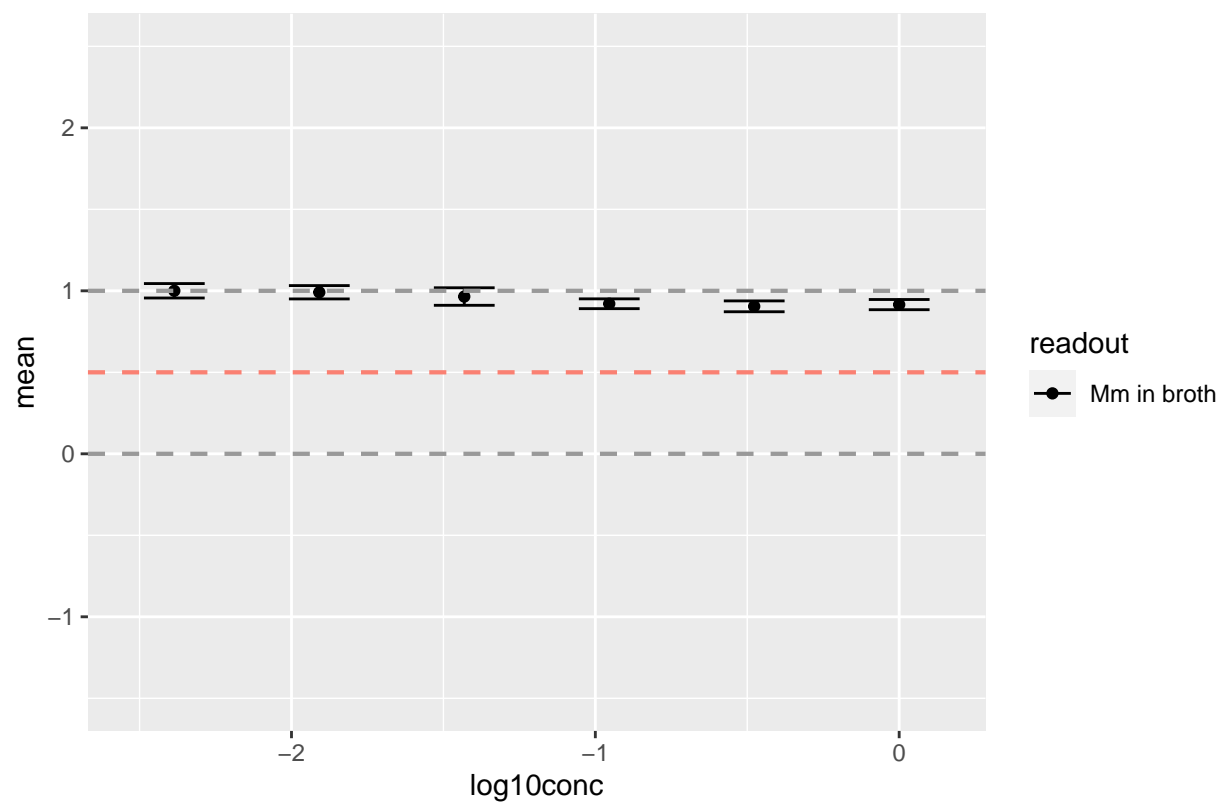
Ko_58 : dose response curve, mean & sd



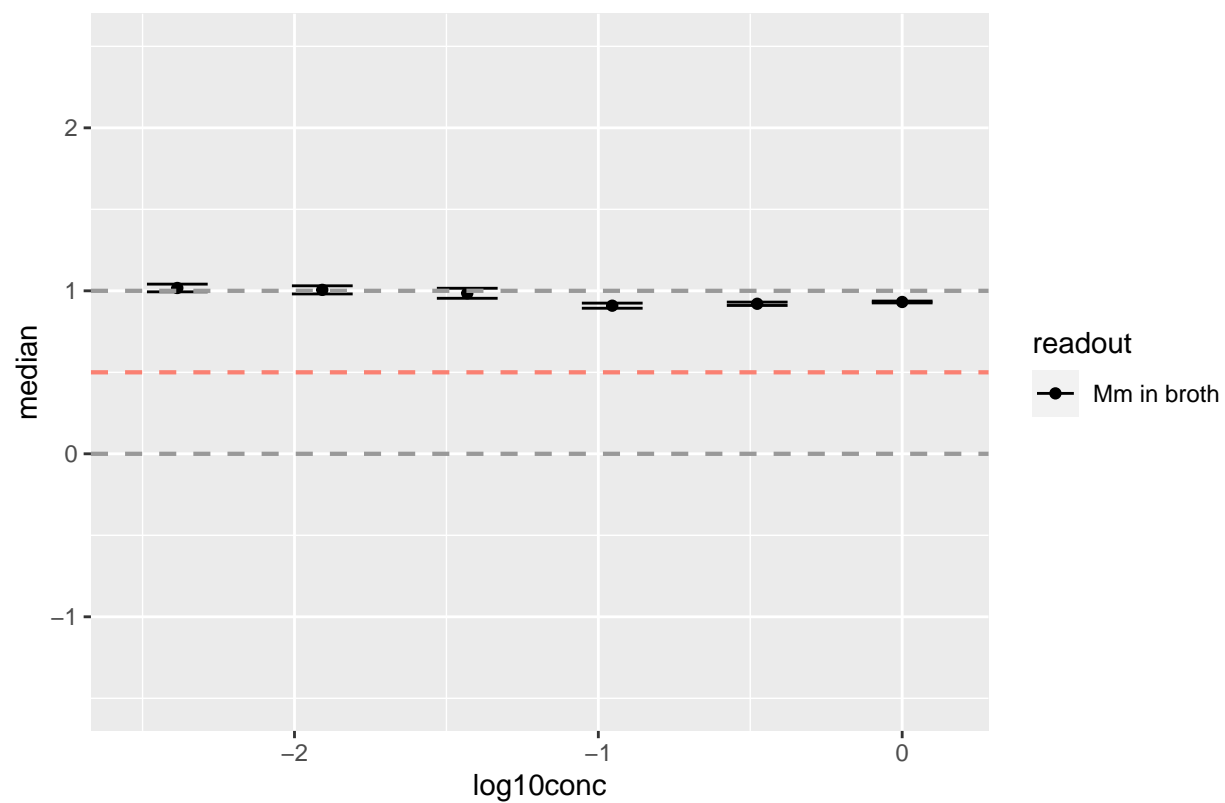
Ko_58 : dose response curve, median & mad



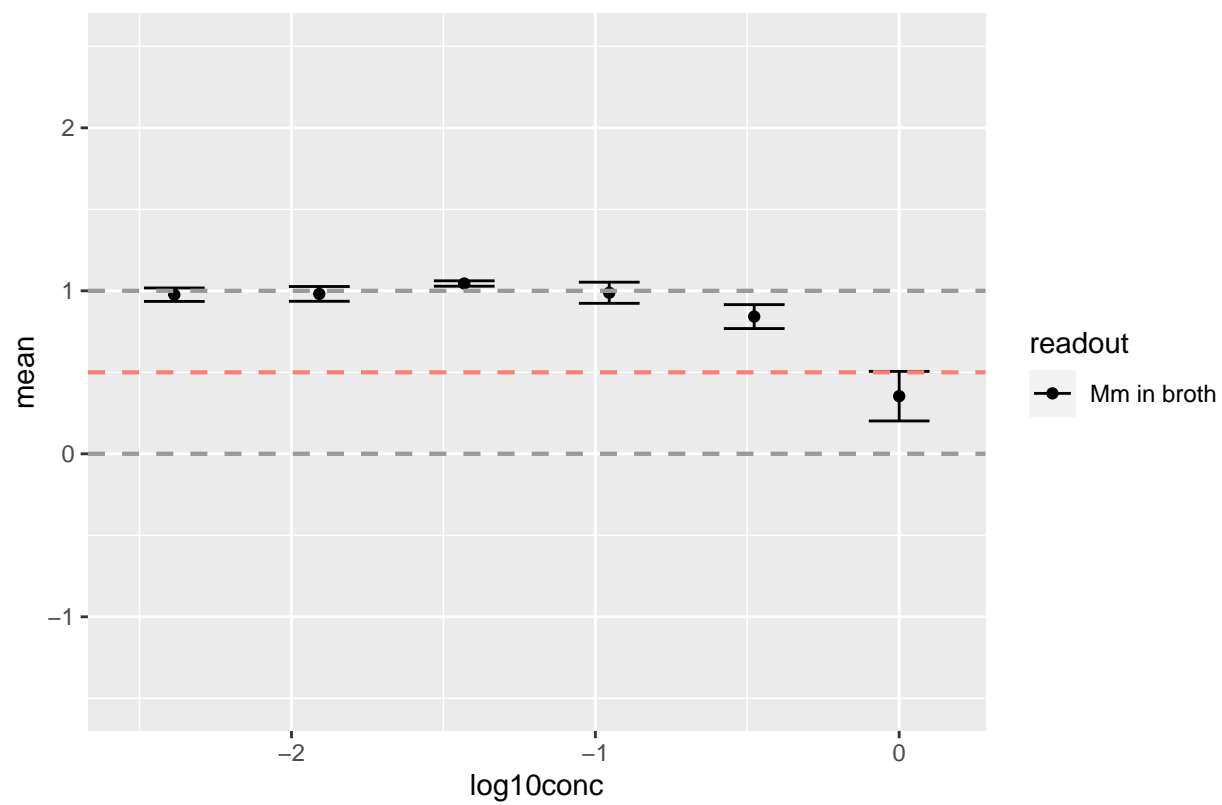
Mo_07 : dose response curve, mean & sd



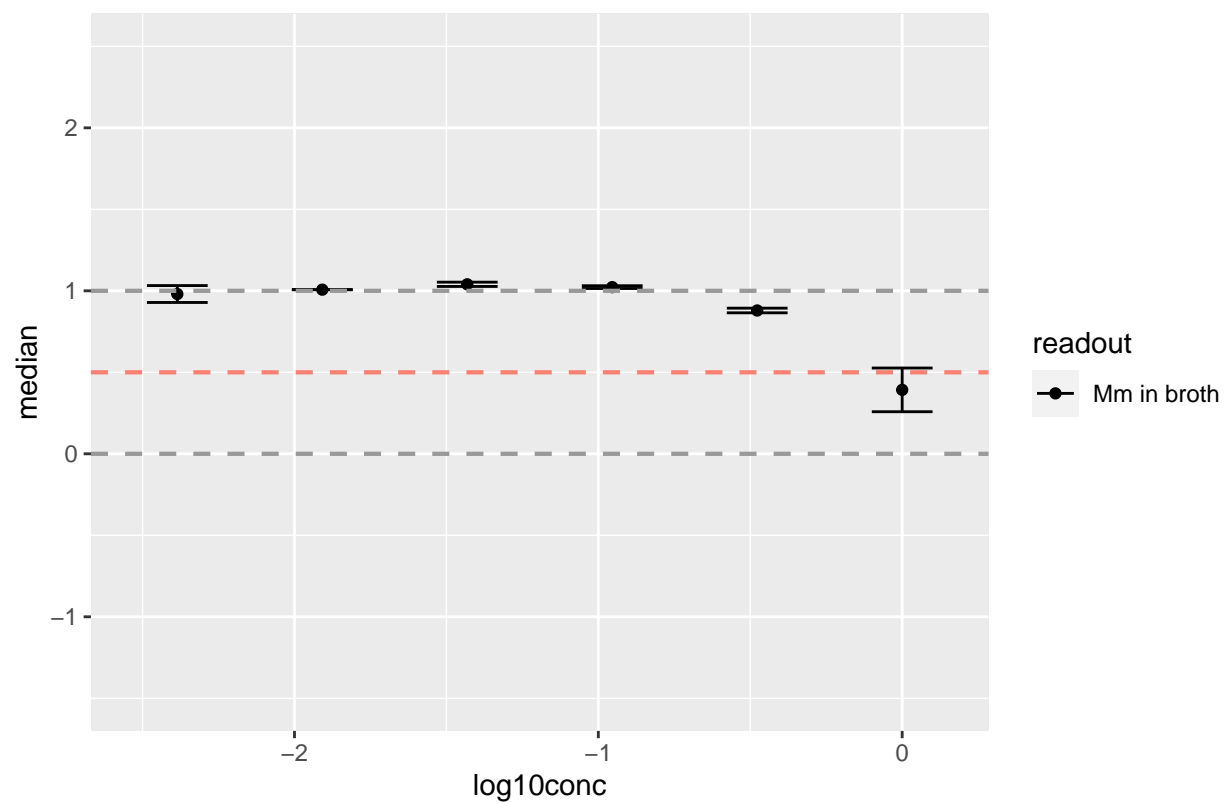
Mo_07 : dose response curve, median & mad



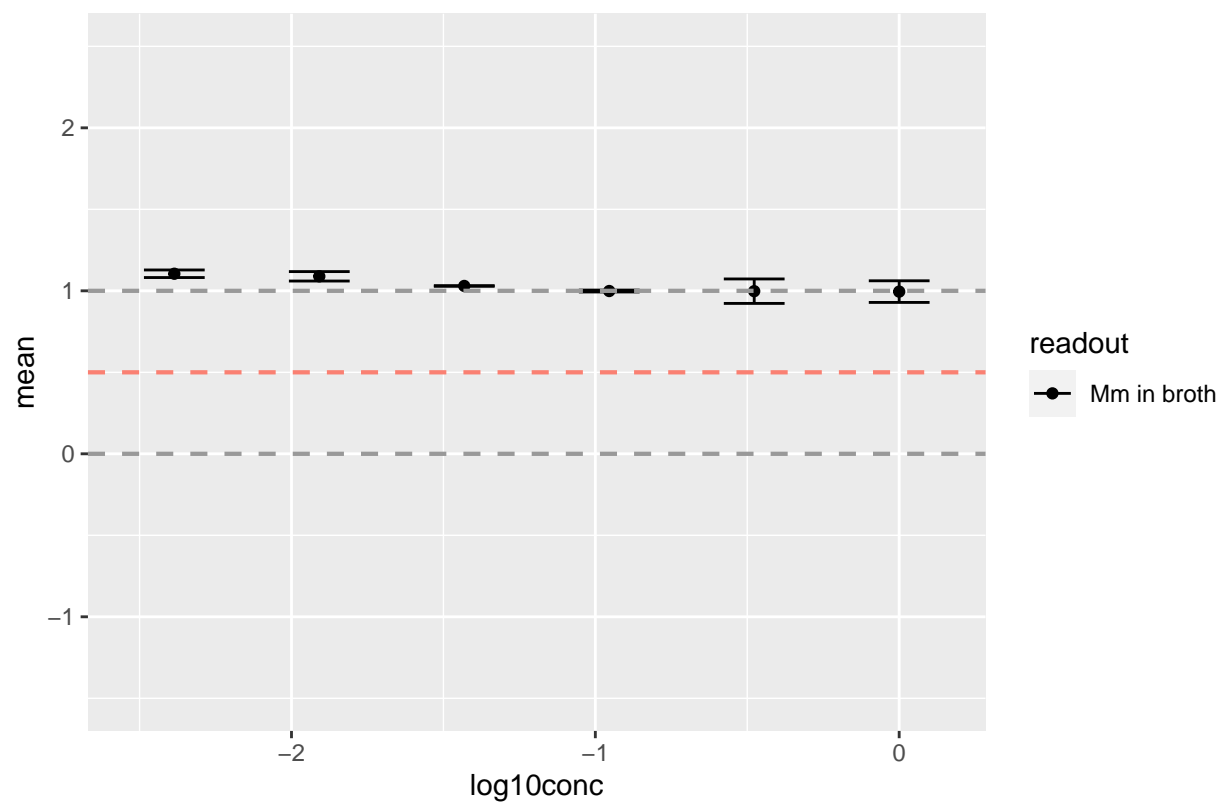
Mo_62 : dose response curve, mean & sd



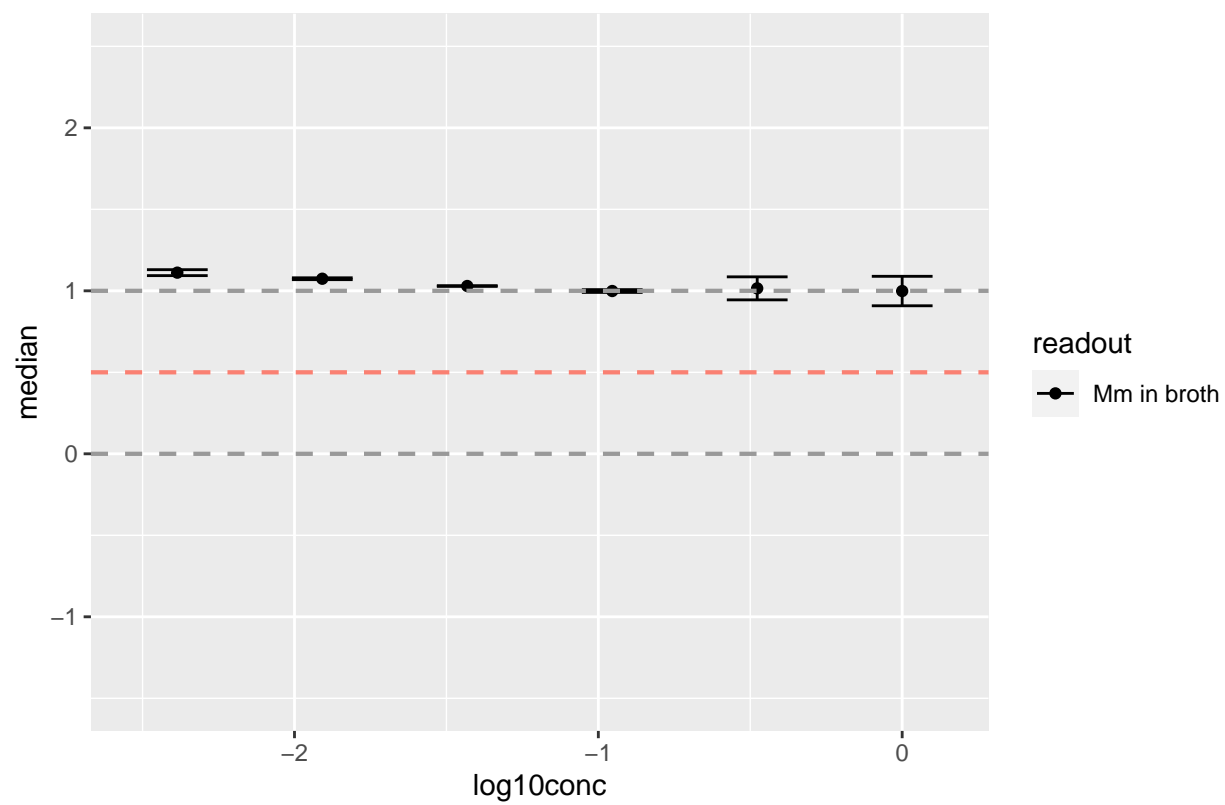
Mo_62 : dose response curve, median & mad



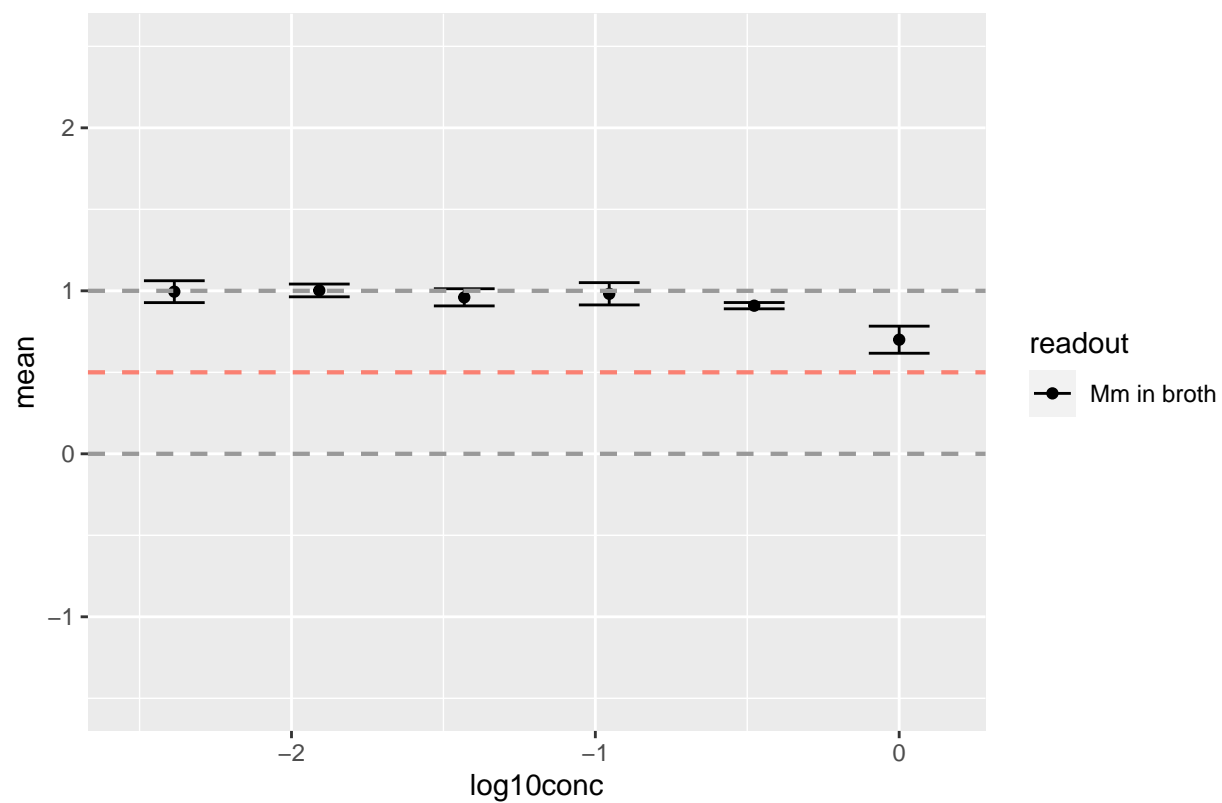
Mo_63 : dose response curve, mean & sd



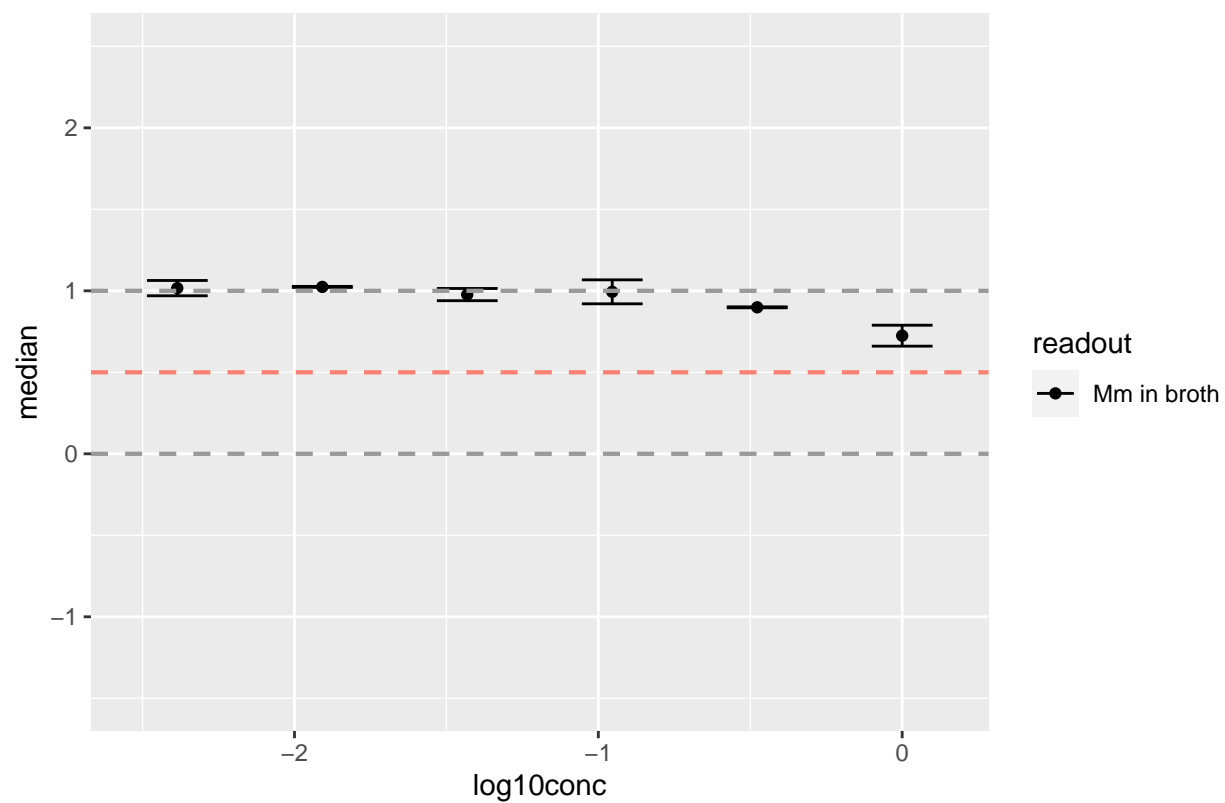
Mo_63 : dose response curve, median & mad



Mo_64 : dose response curve, mean & sd

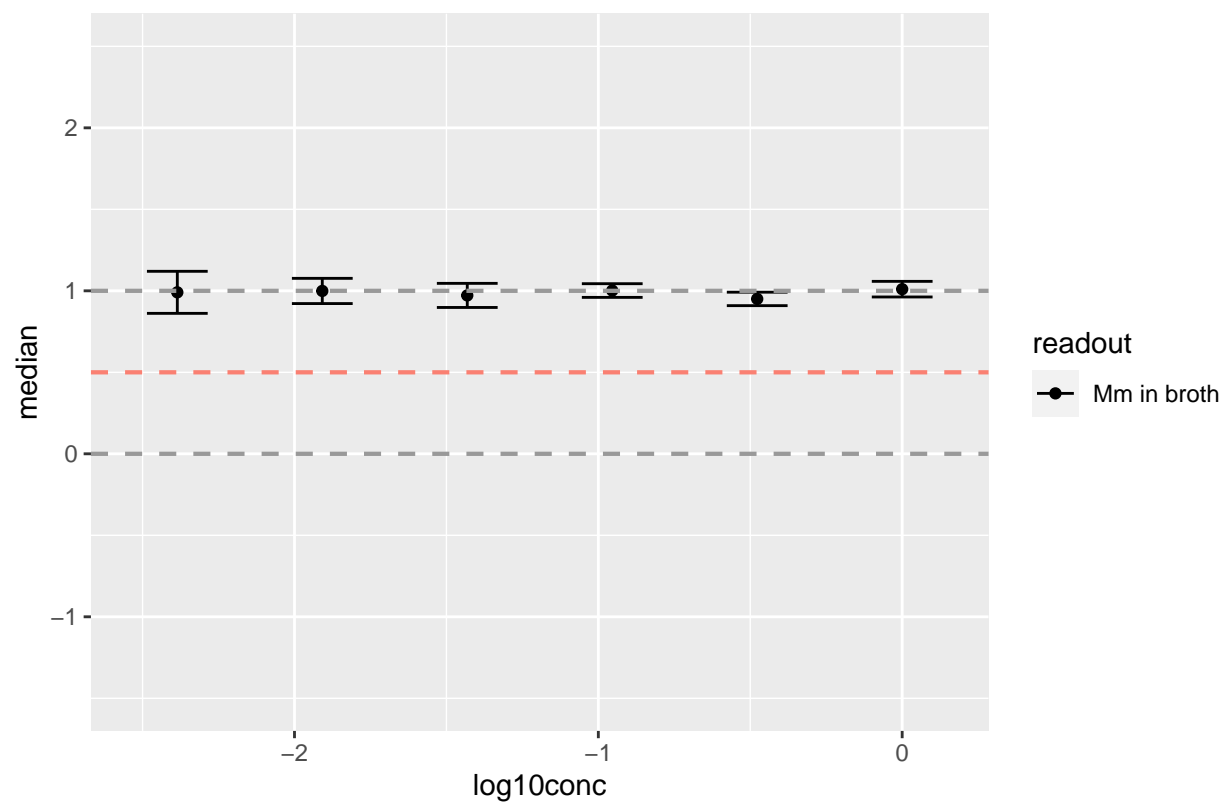


Mo_64 : dose response curve, median & mad

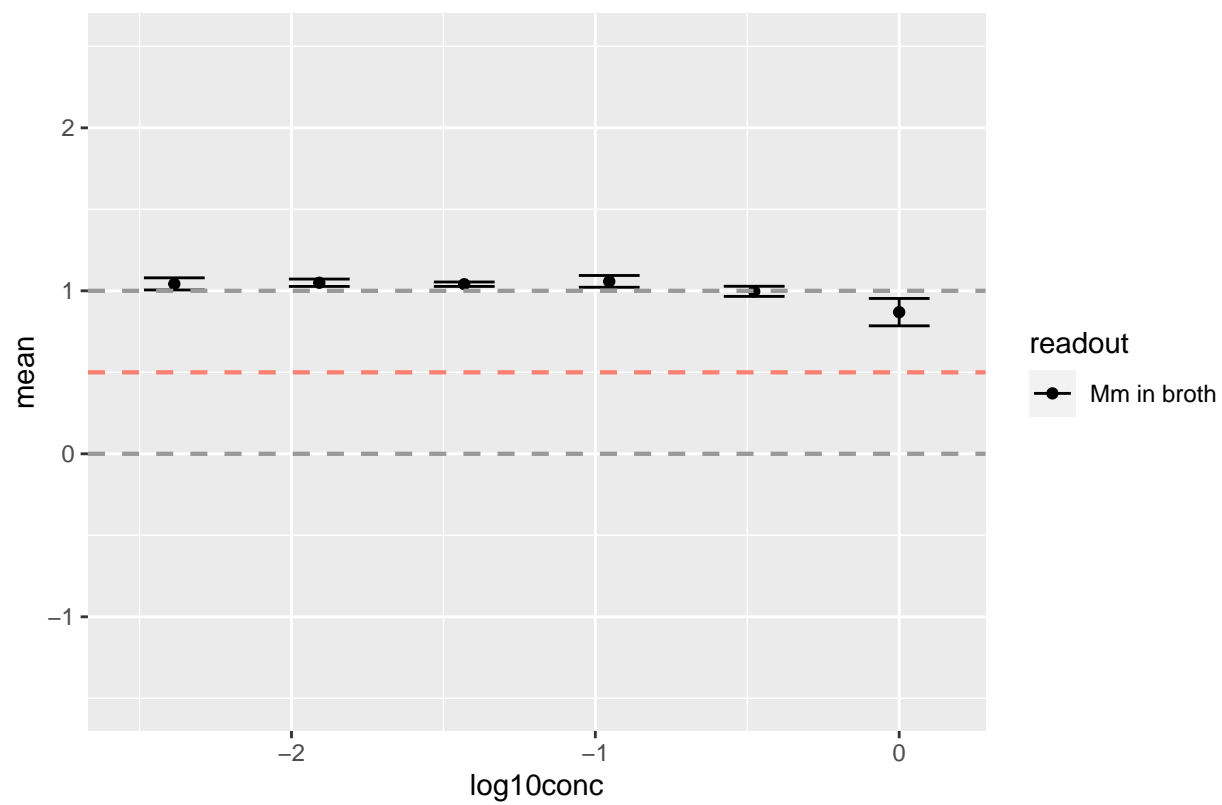




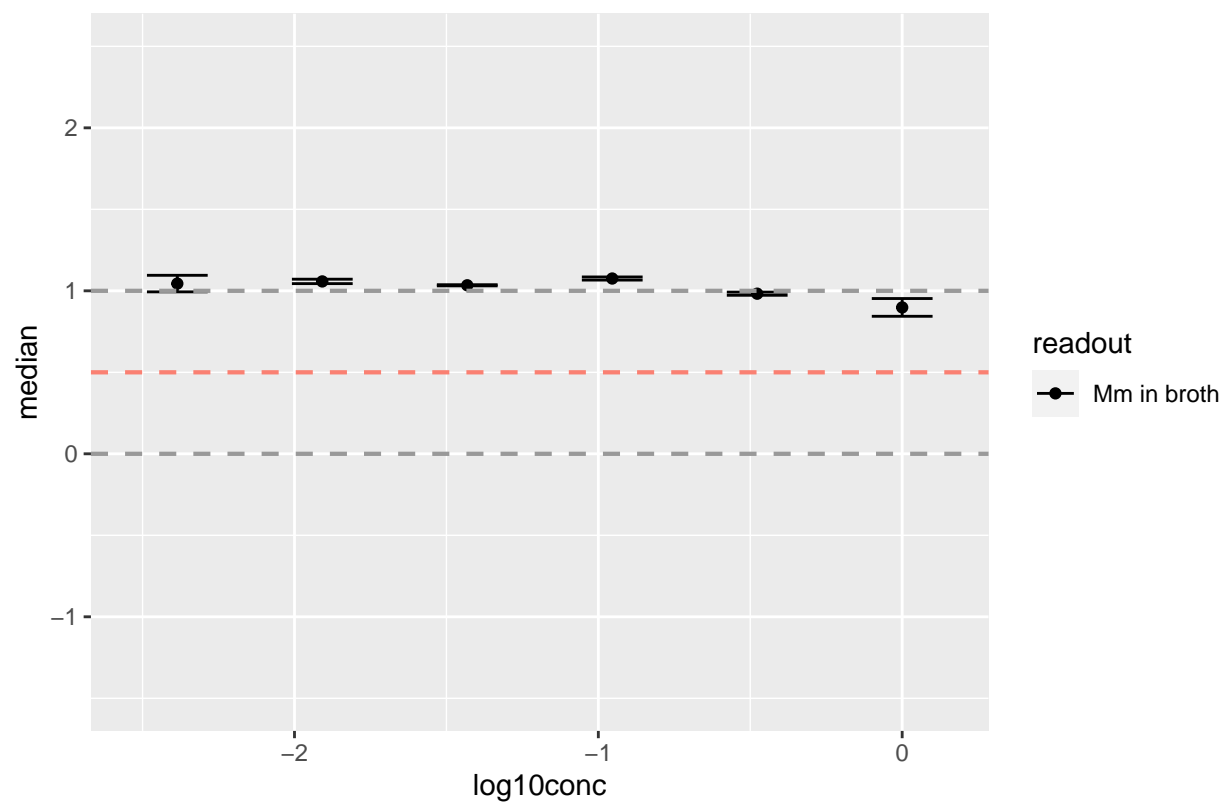
Mo_65 : dose response curve, median & mad



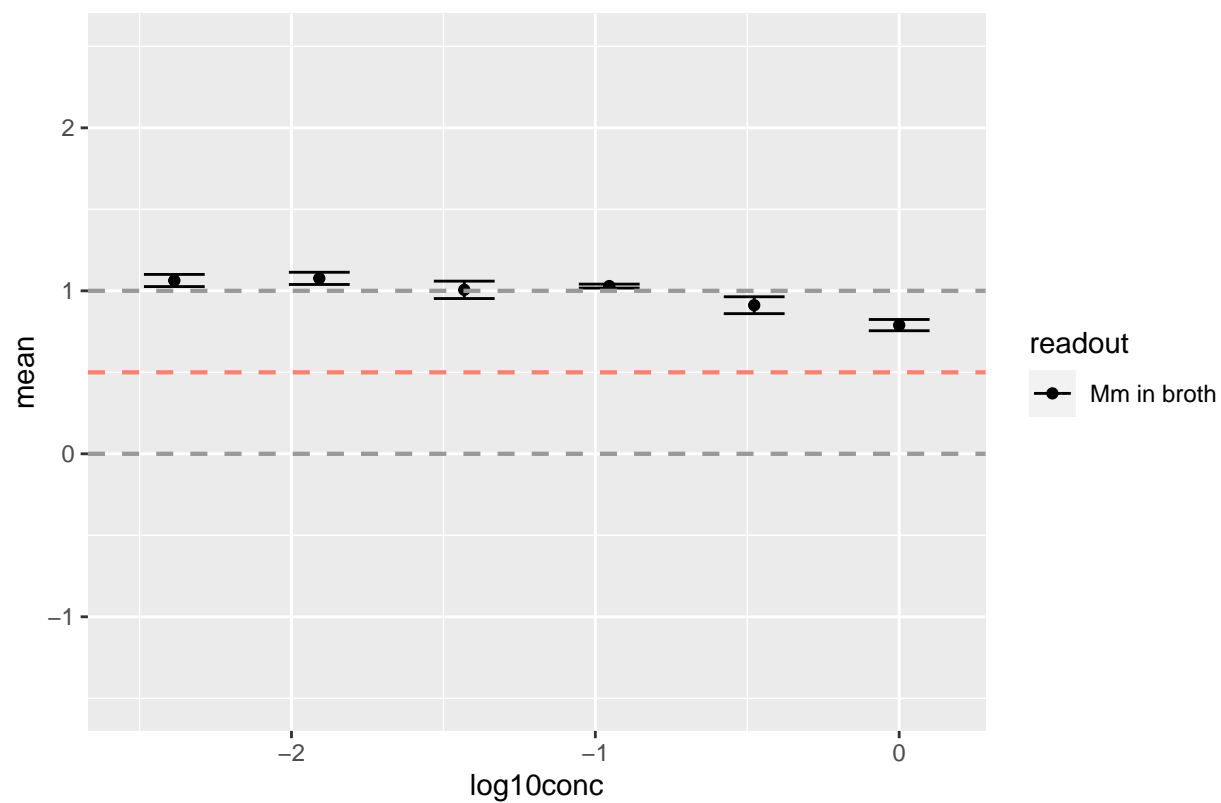
Mo_71 : dose response curve, mean & sd



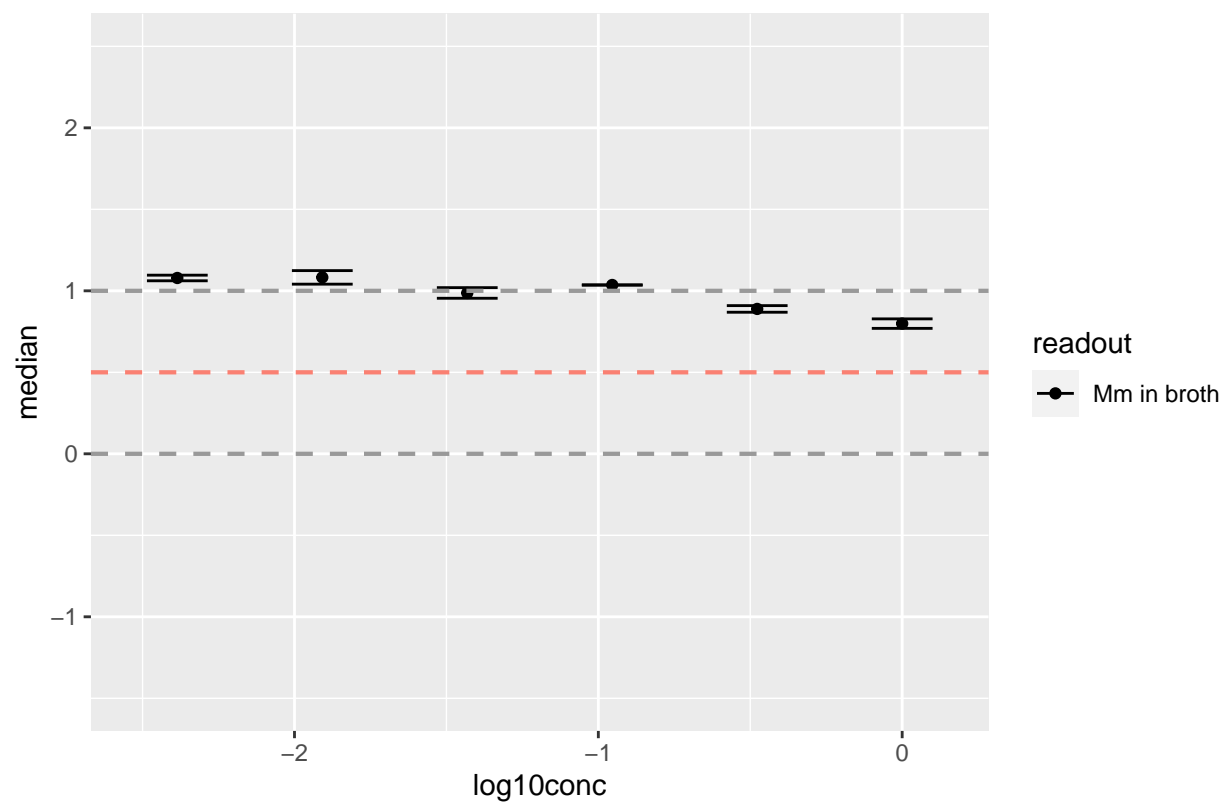
Mo_71 : dose response curve, median & mad



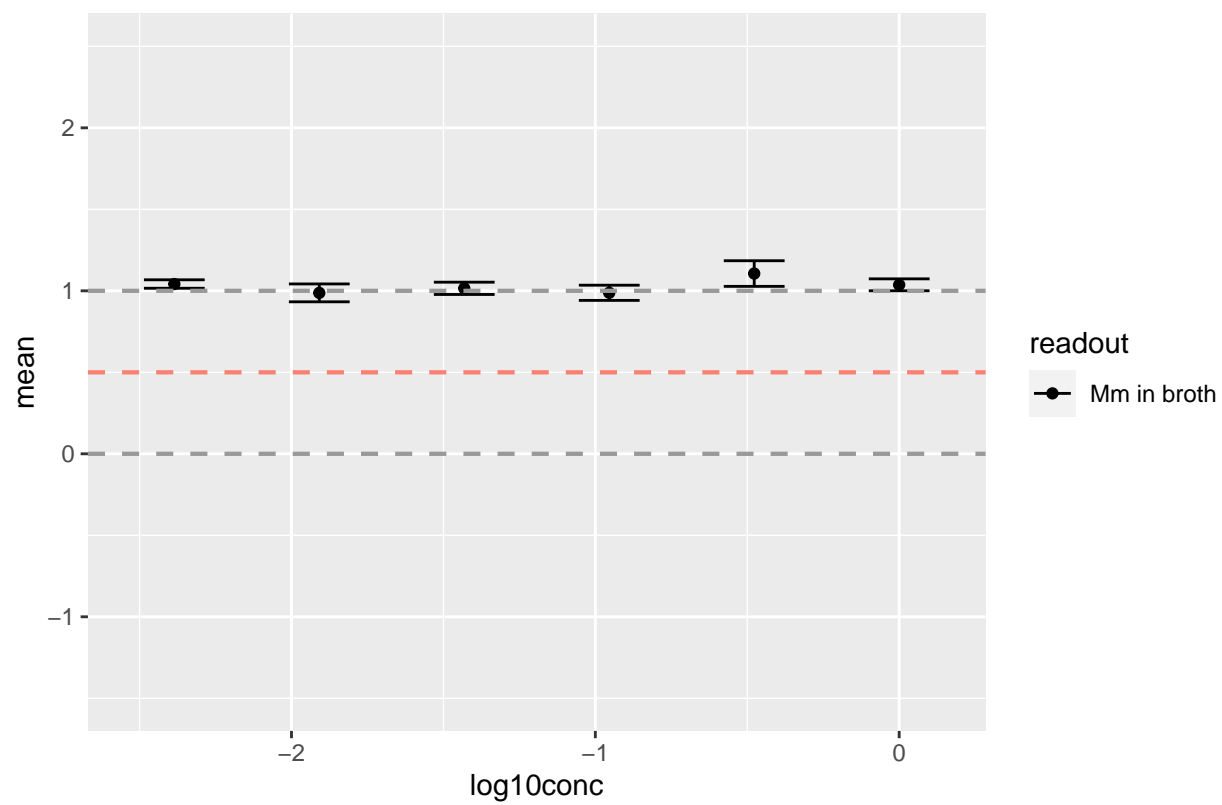
Mo_72 : dose response curve, mean & sd



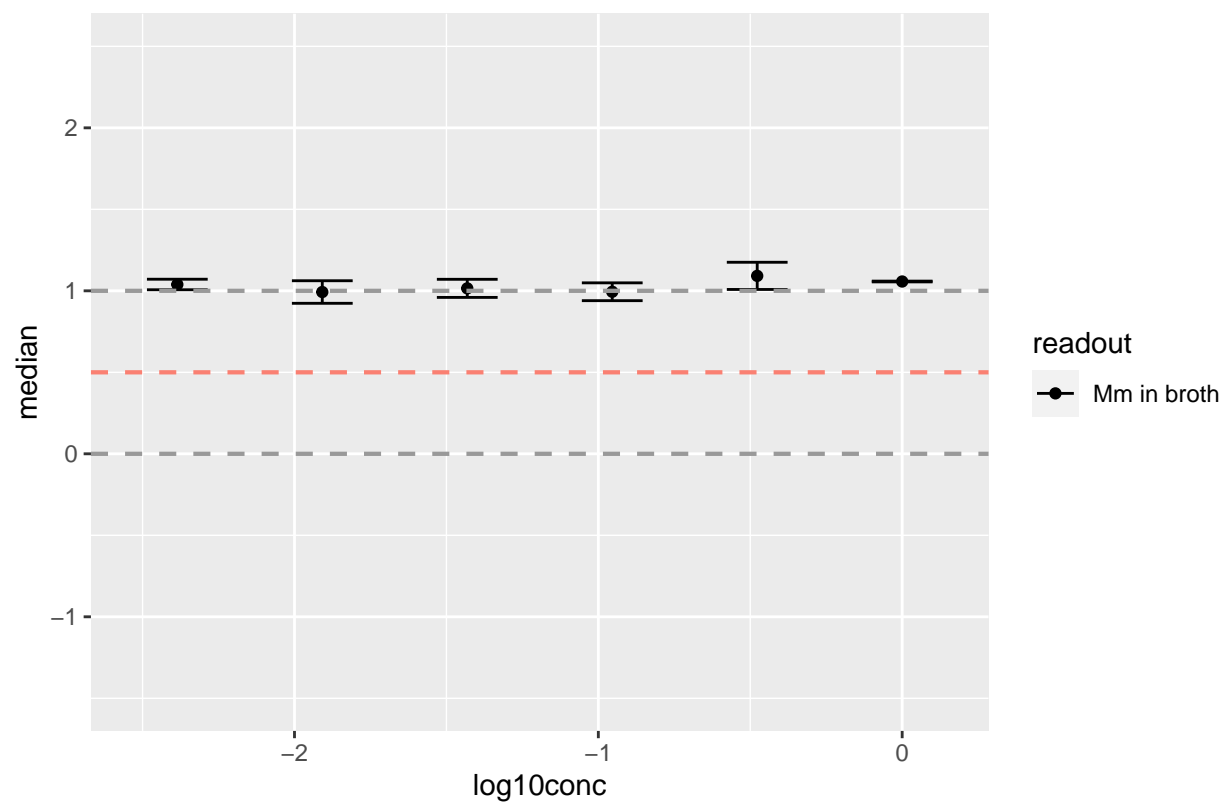
Mo_72 : dose response curve, median & mad



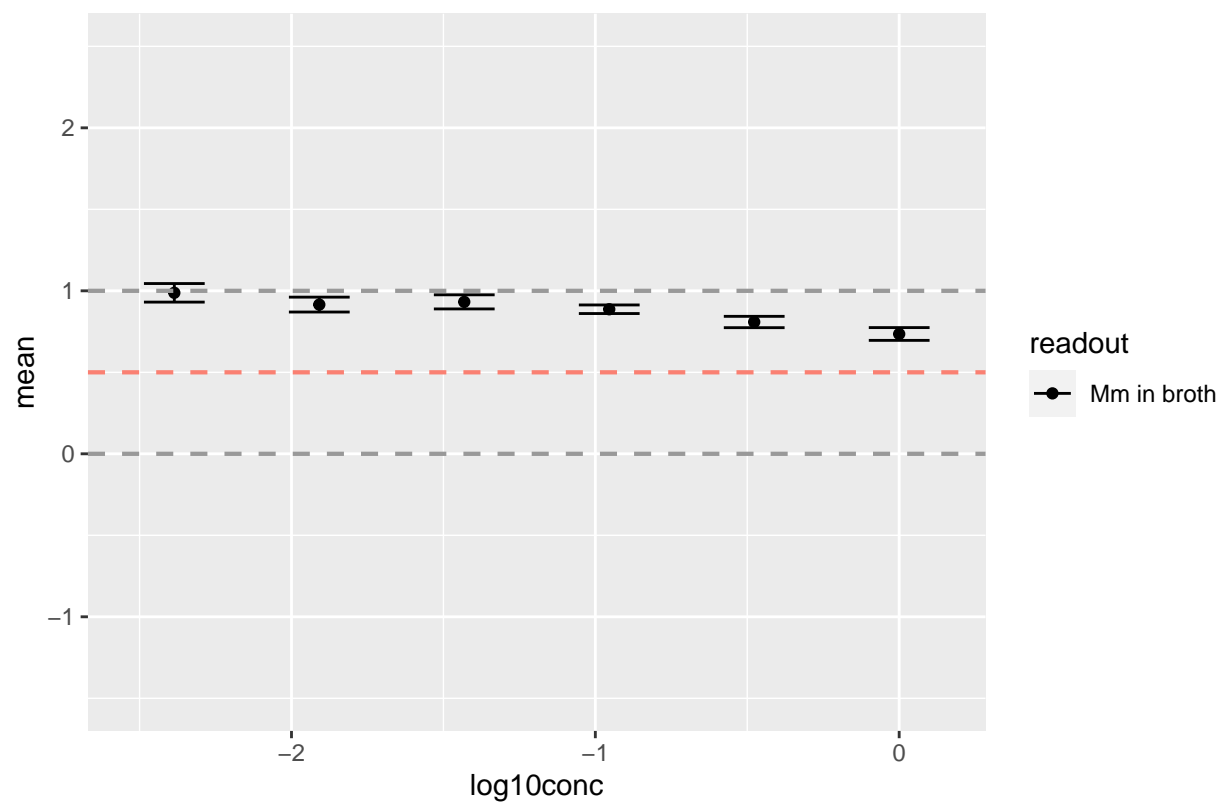
Pf_62 : dose response curve, mean & sd



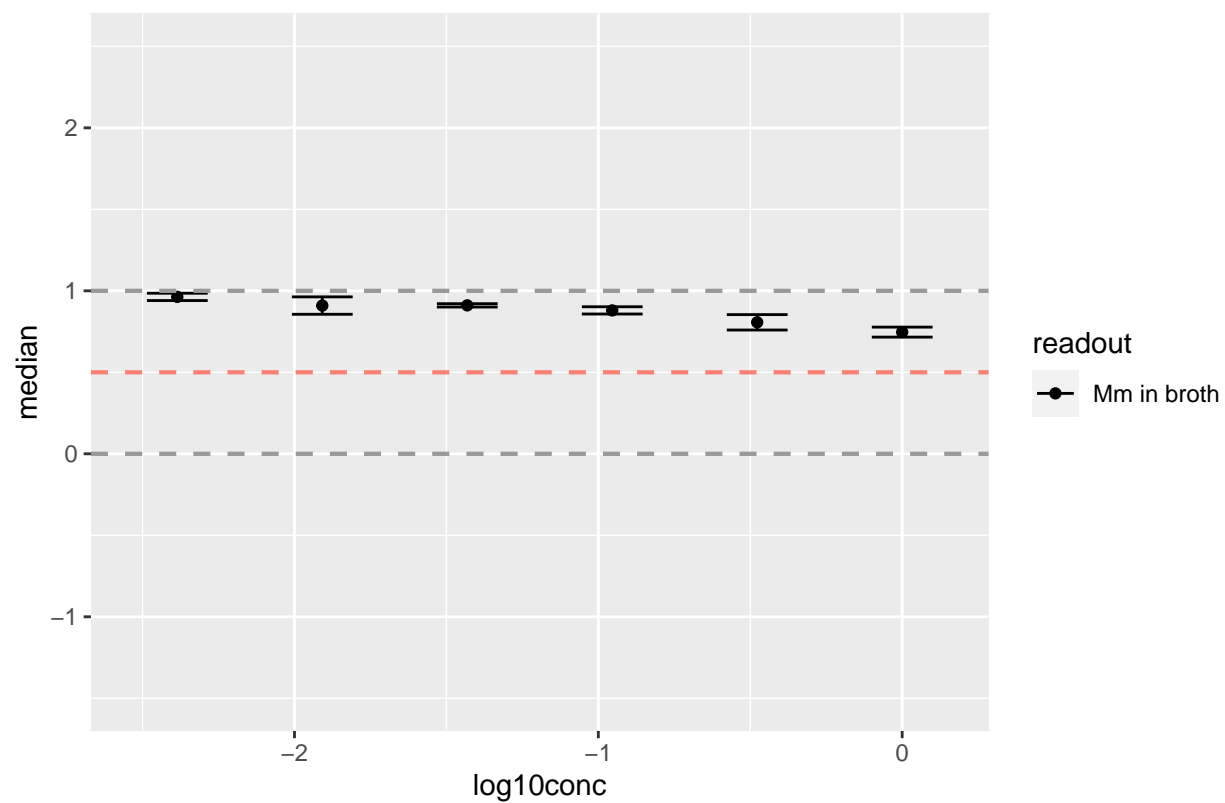
Pf_62 : dose response curve, median & mad



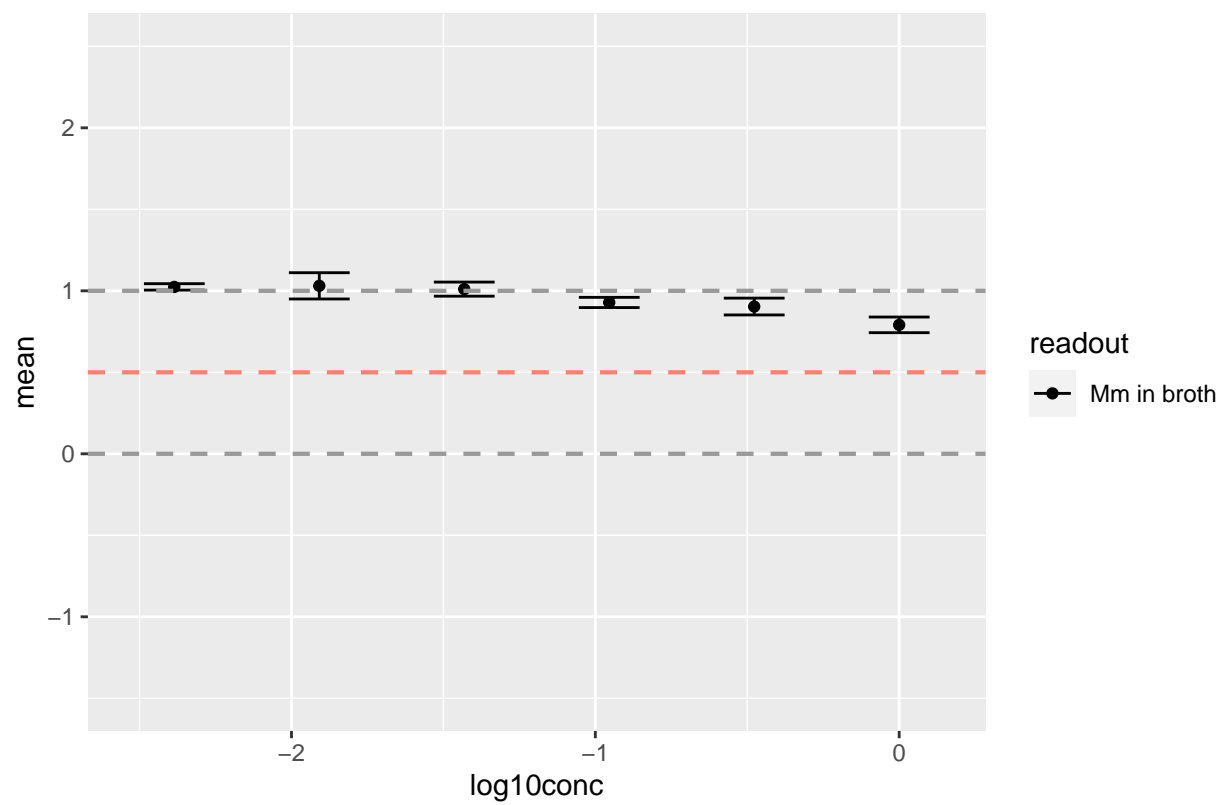
Pf_63 : dose response curve, mean & sd



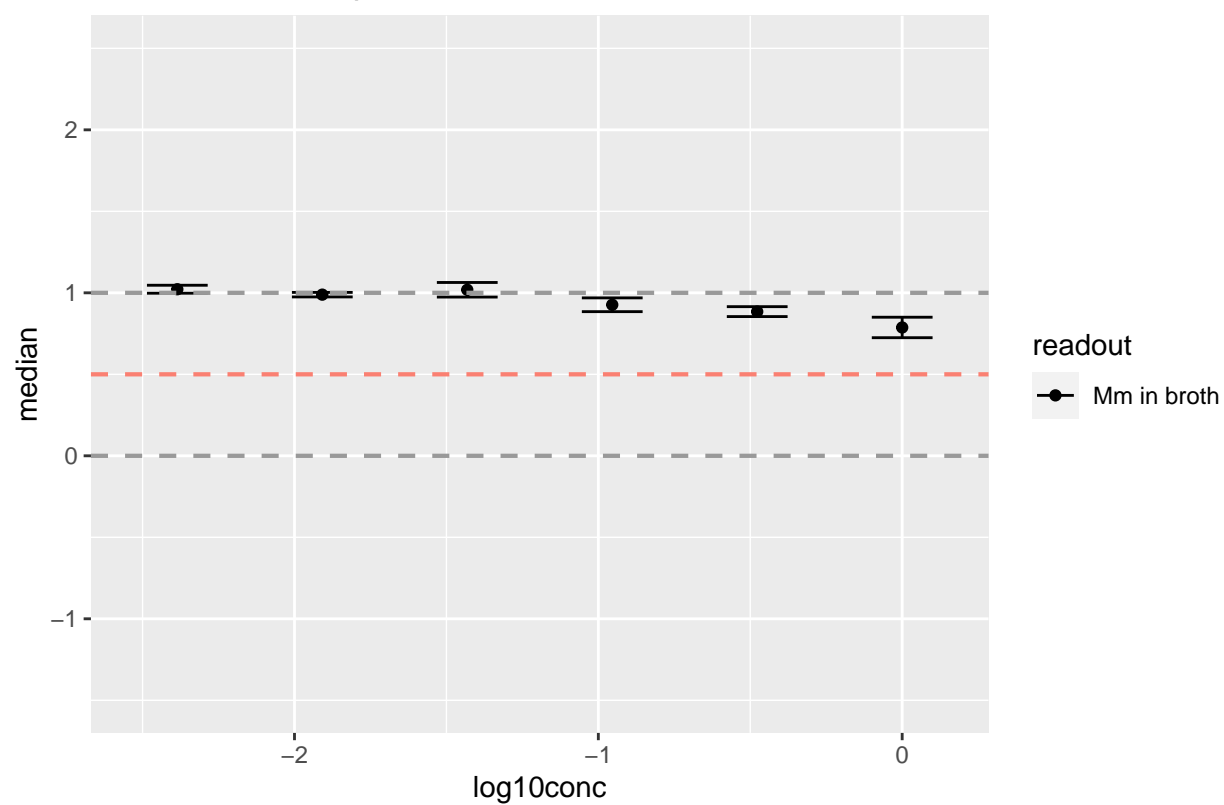
Pf_63 : dose response curve, median & mad



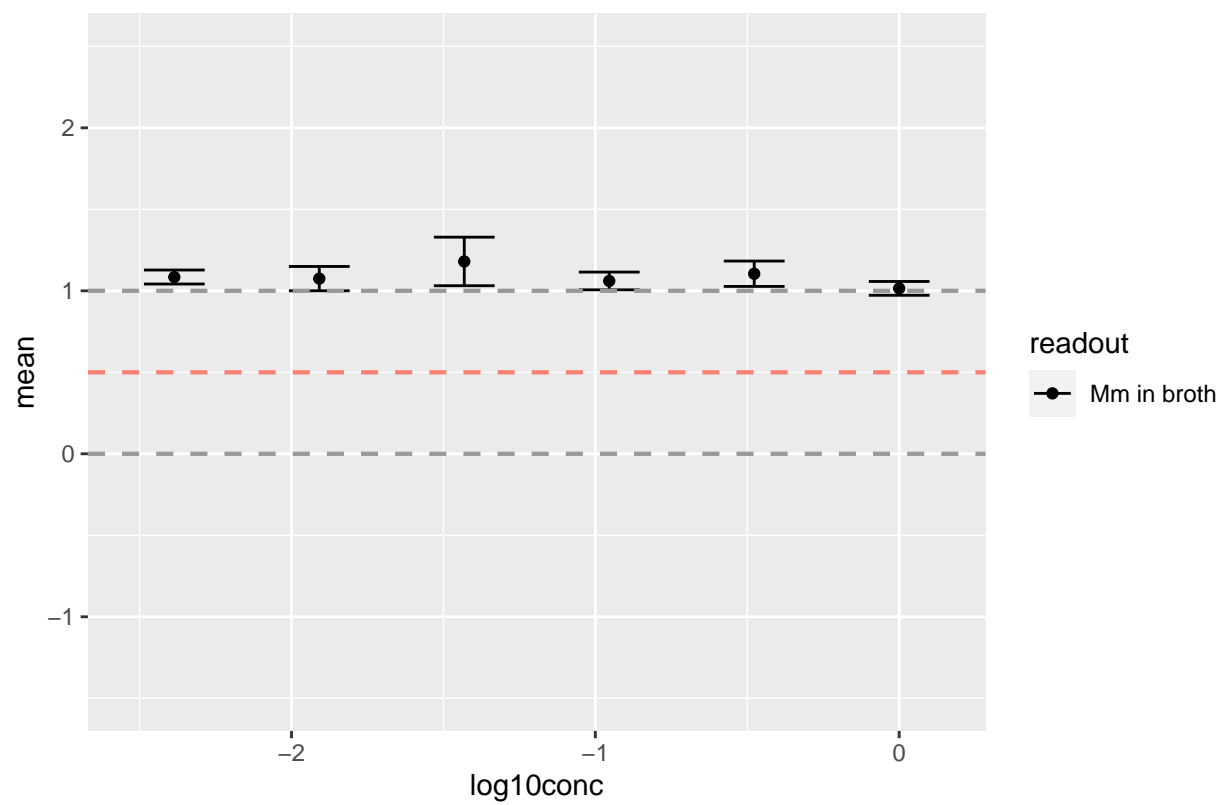
Pf_64 : dose response curve, mean & sd



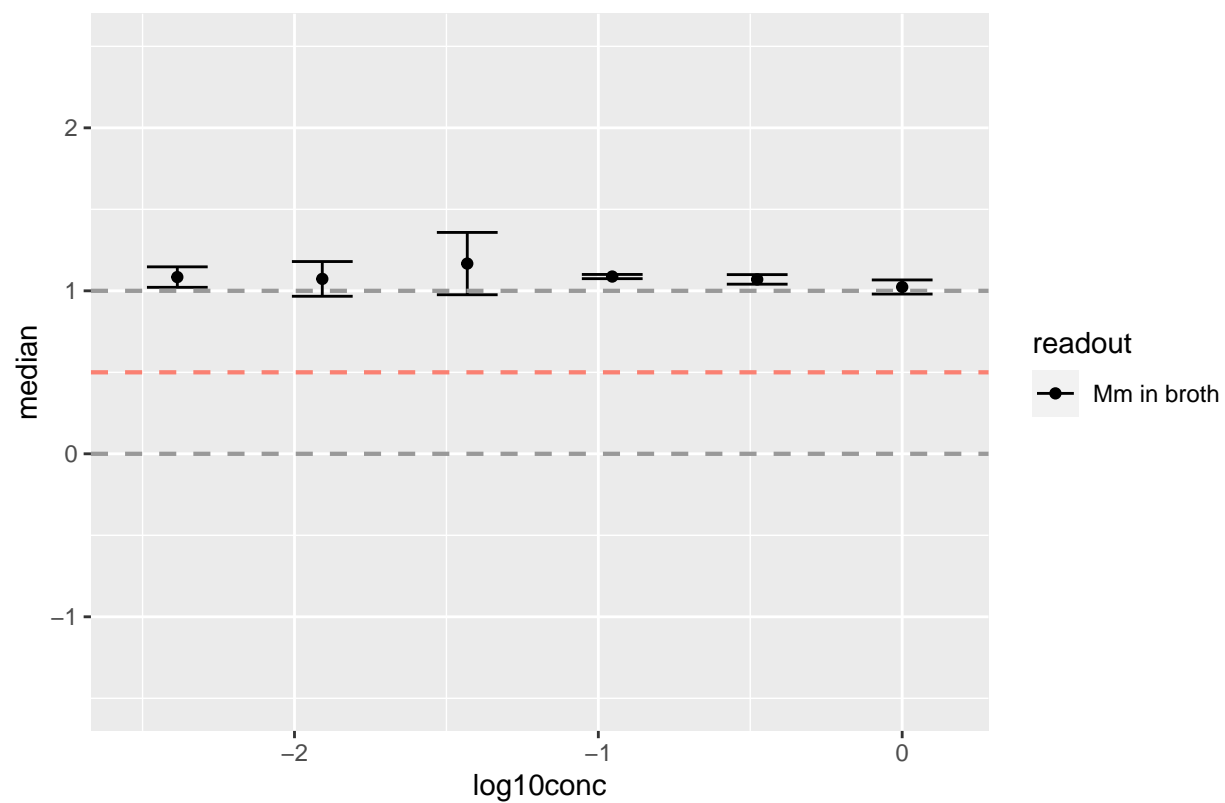
Pf_64 : dose response curve, median & mad



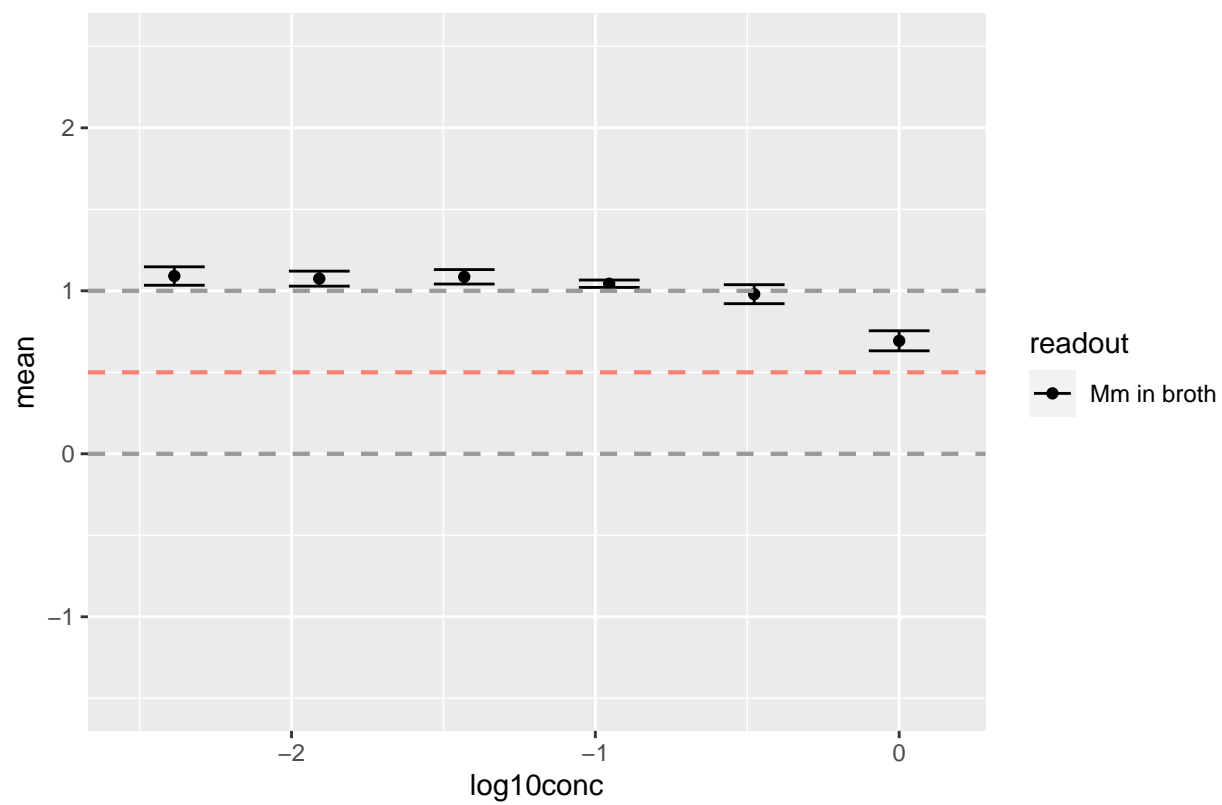
Pf_68 : dose response curve, mean & sd



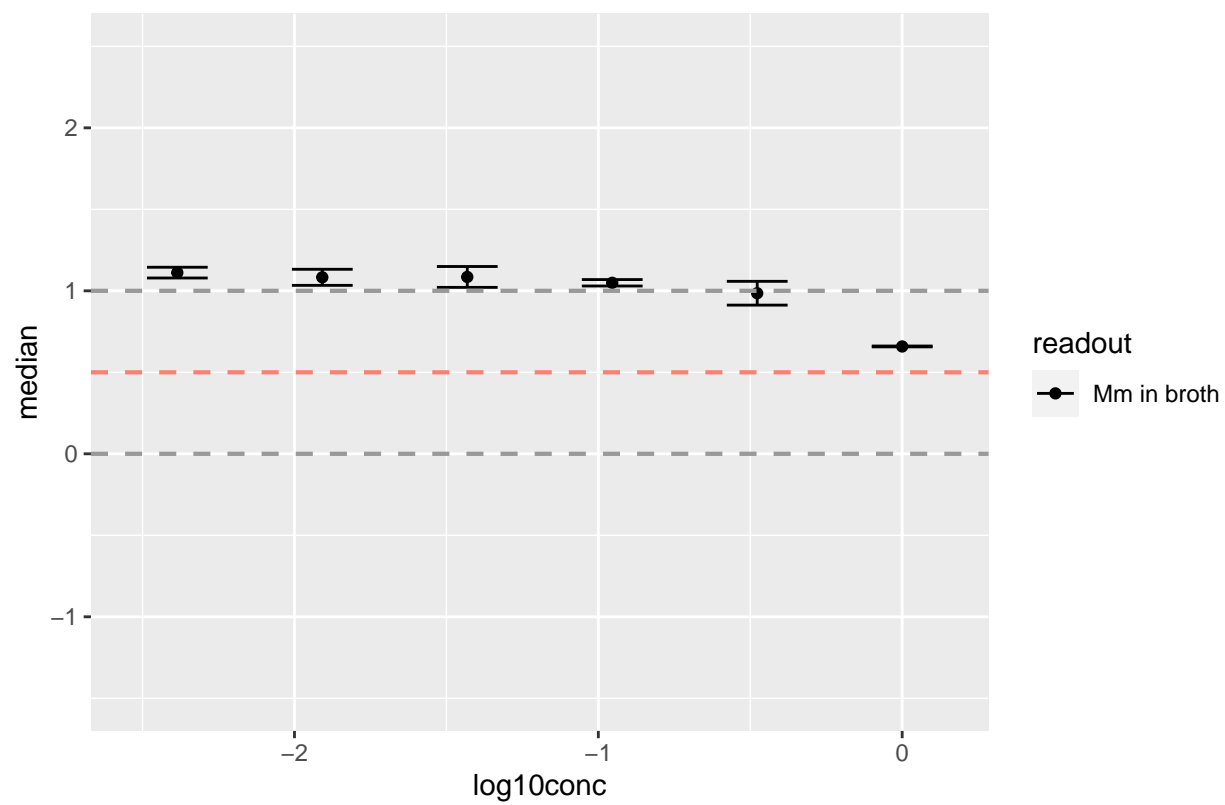
Pf_68 : dose response curve, median & mad



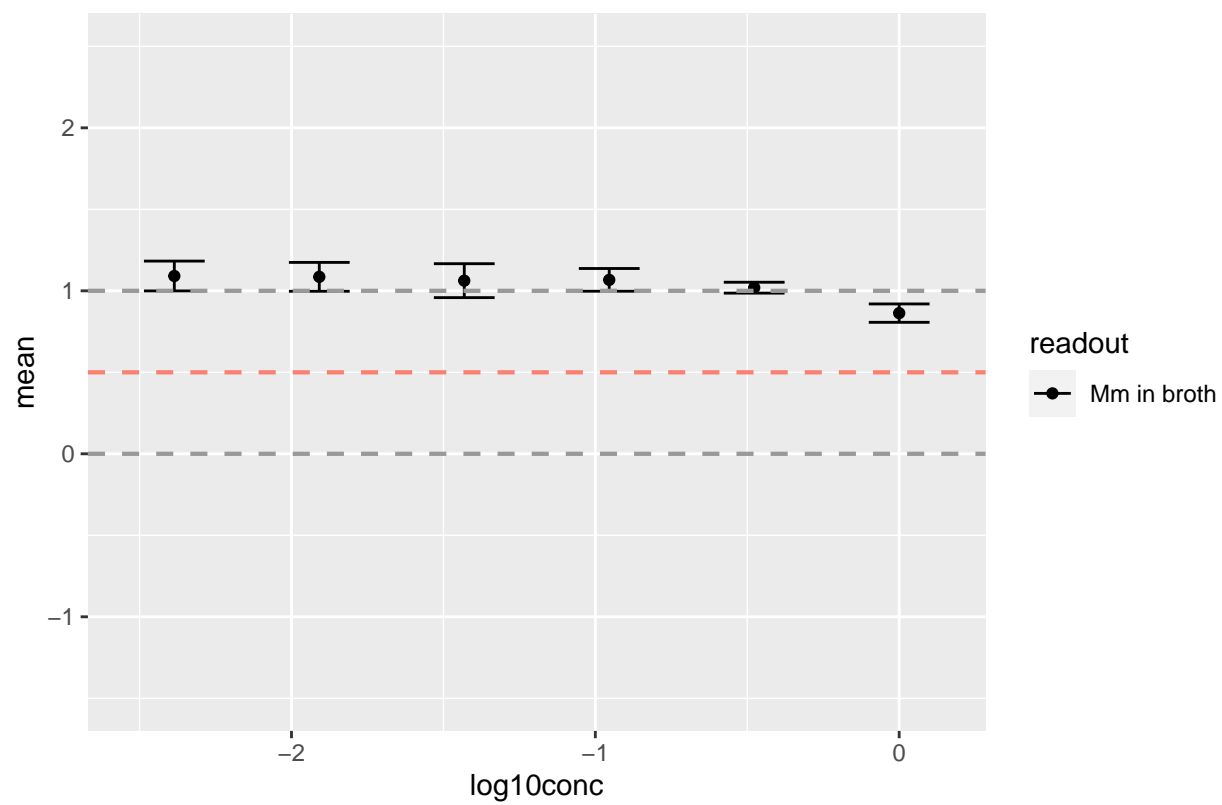
Pf_70 : dose response curve, mean & sd



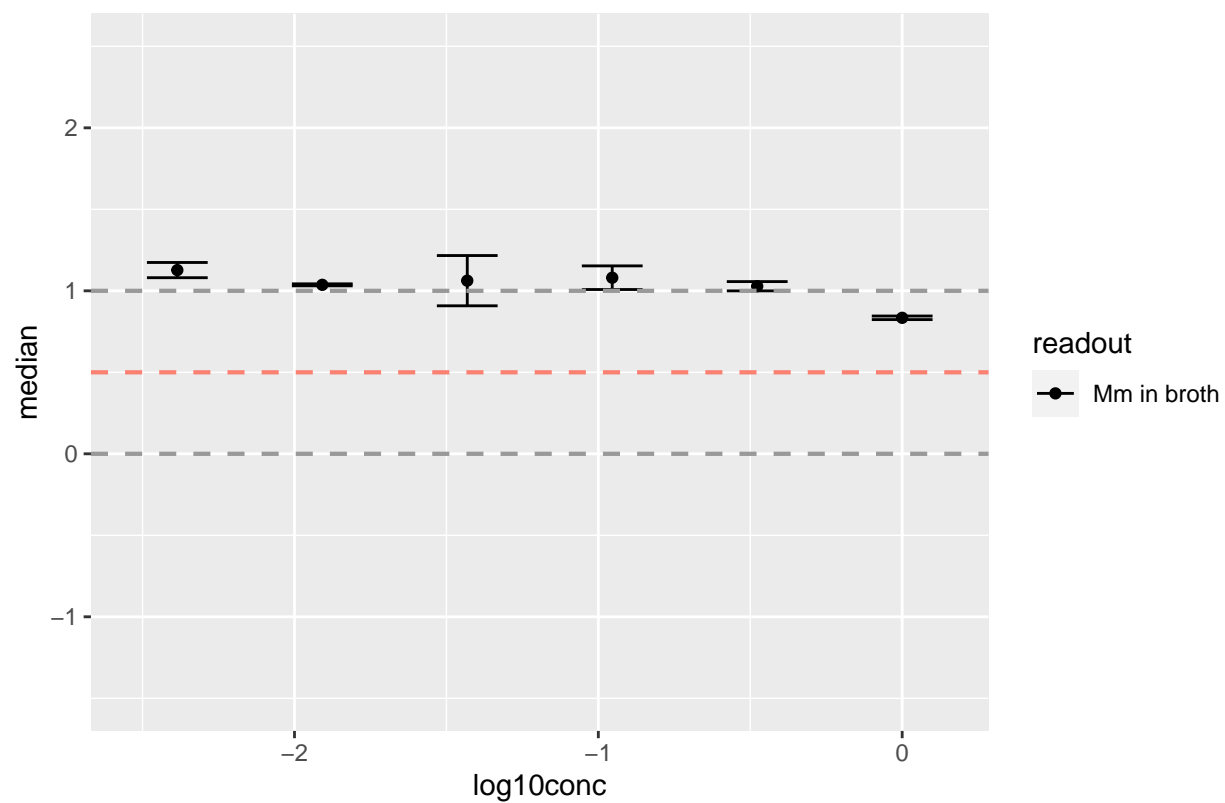
Pf_70 : dose response curve, median & mad



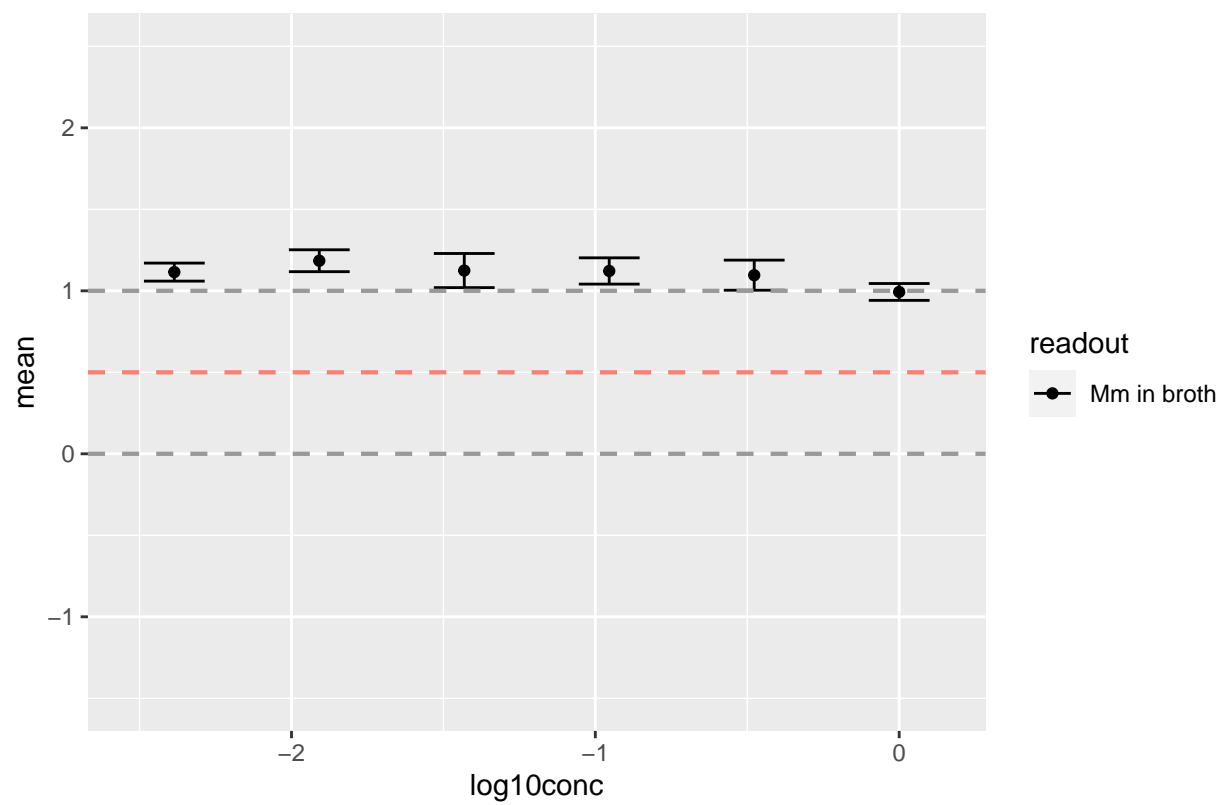
Pf_71 : dose response curve, mean & sd



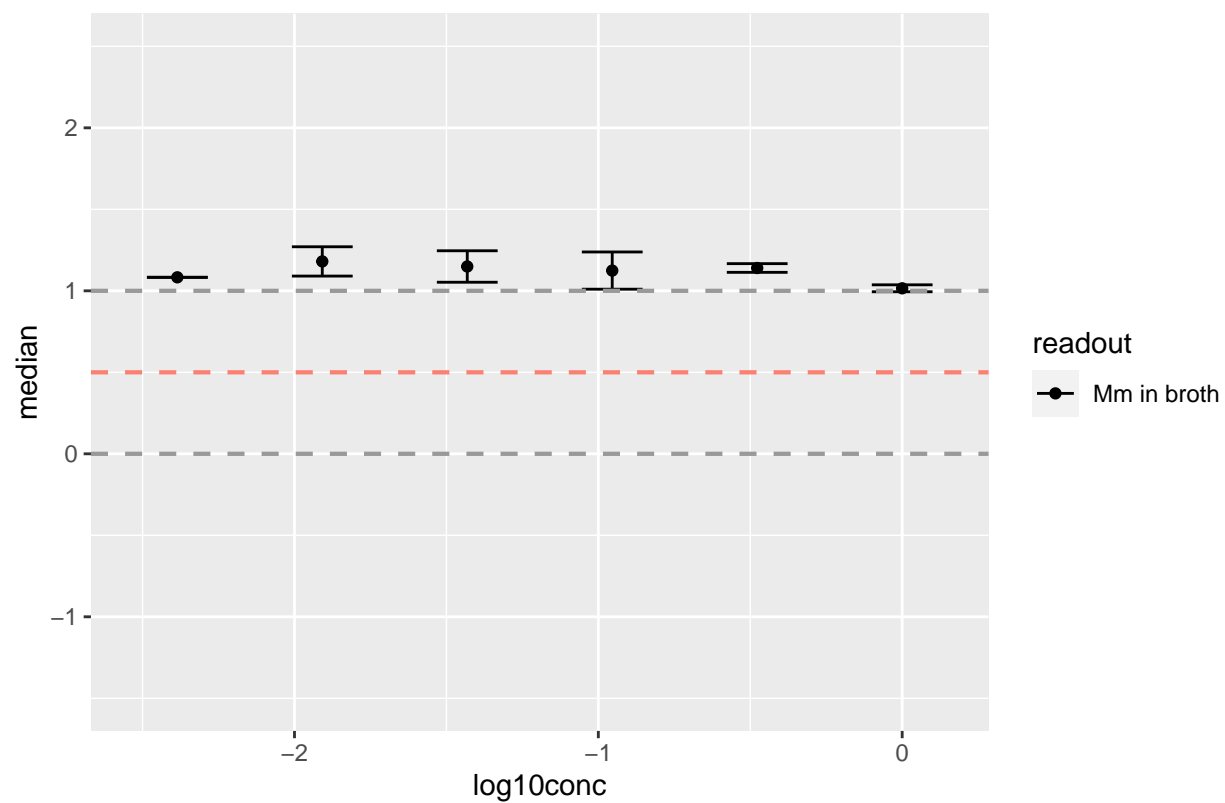
Pf_71 : dose response curve, median & mad



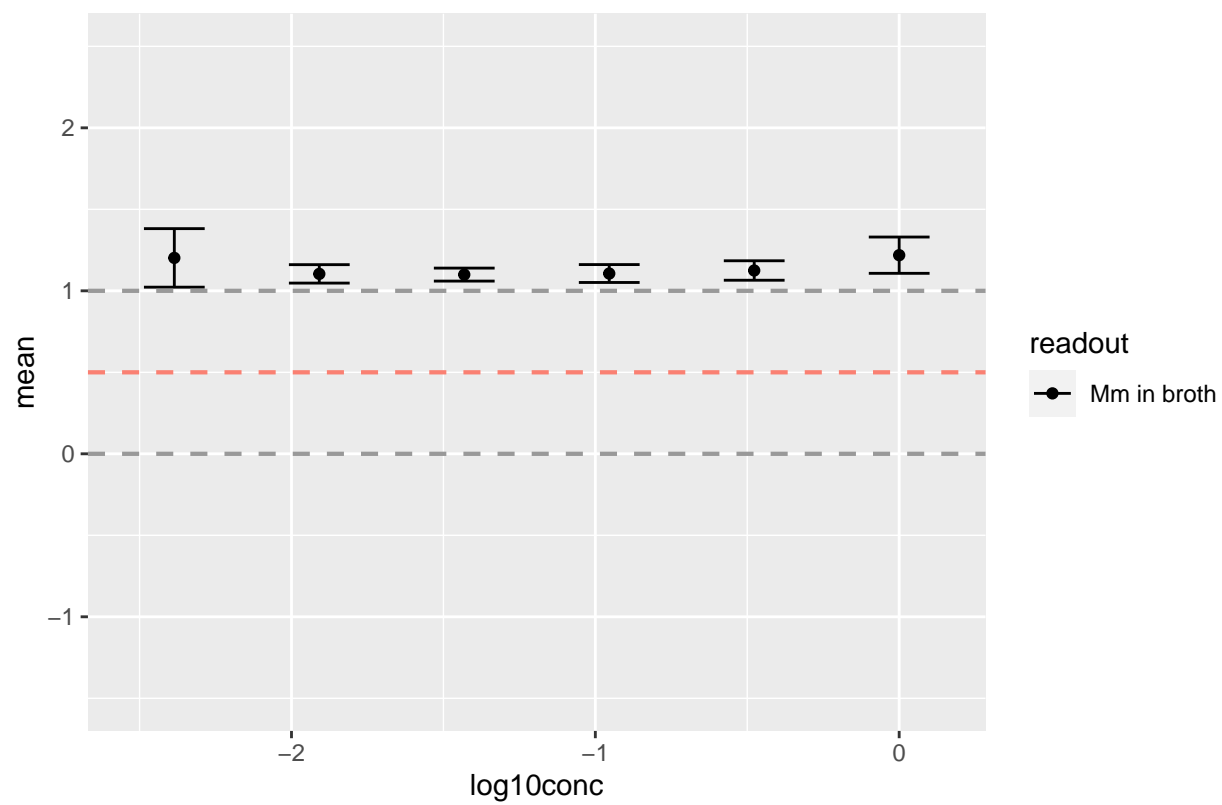
Pf_72 : dose response curve, mean & sd



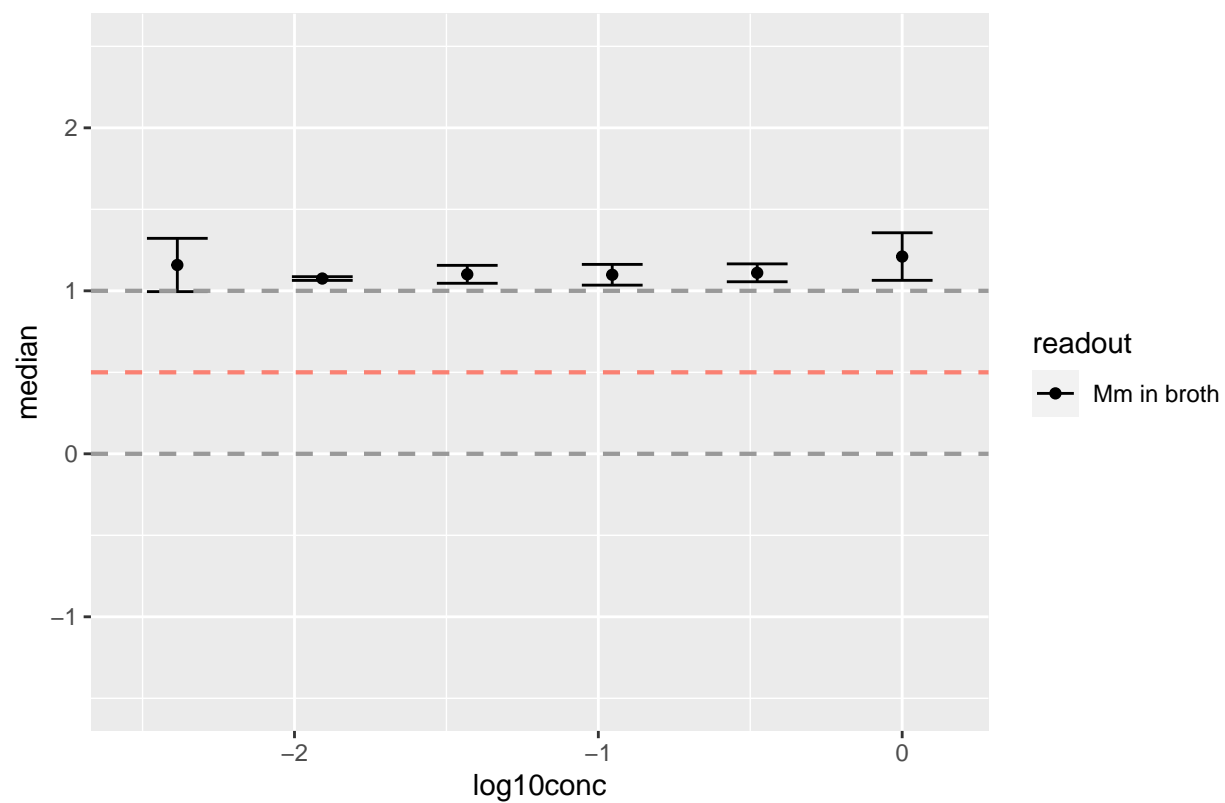
Pf_72 : dose response curve, median & mad



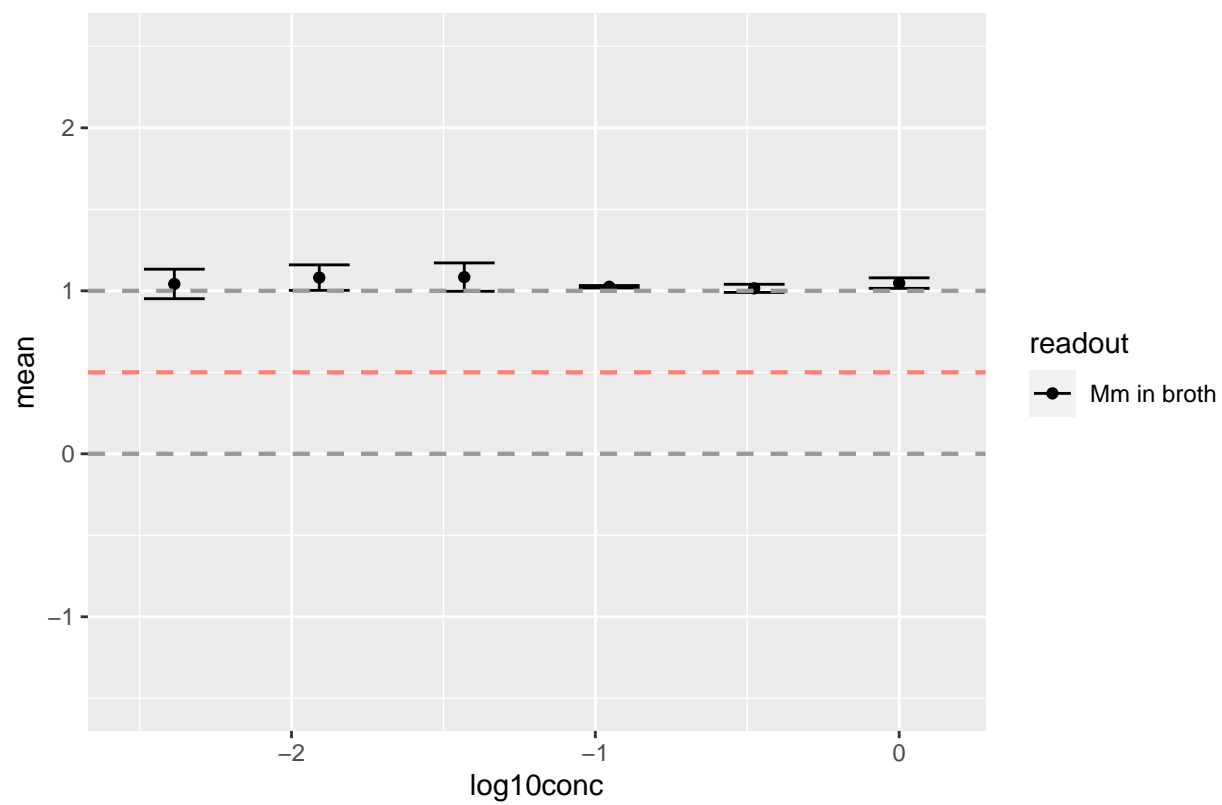
Pf_84 : dose response curve, mean & sd



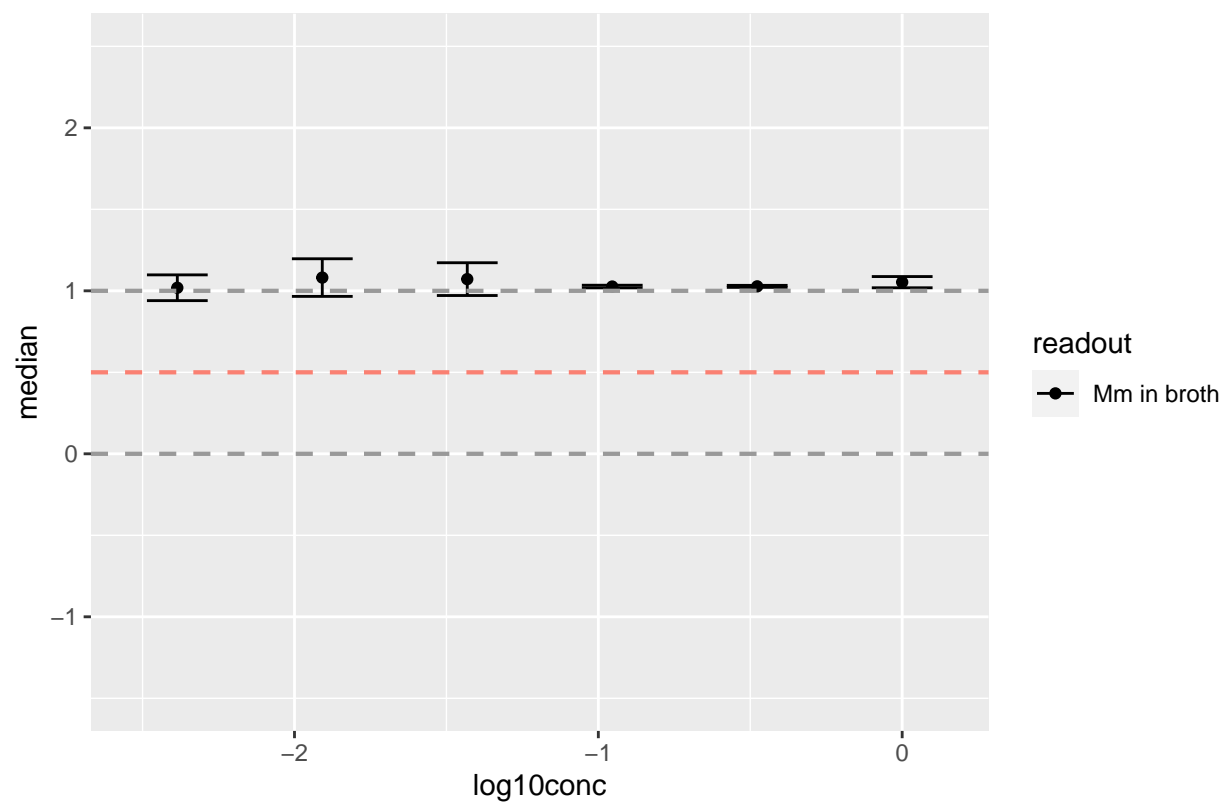
Pf_84 : dose response curve, median & mad



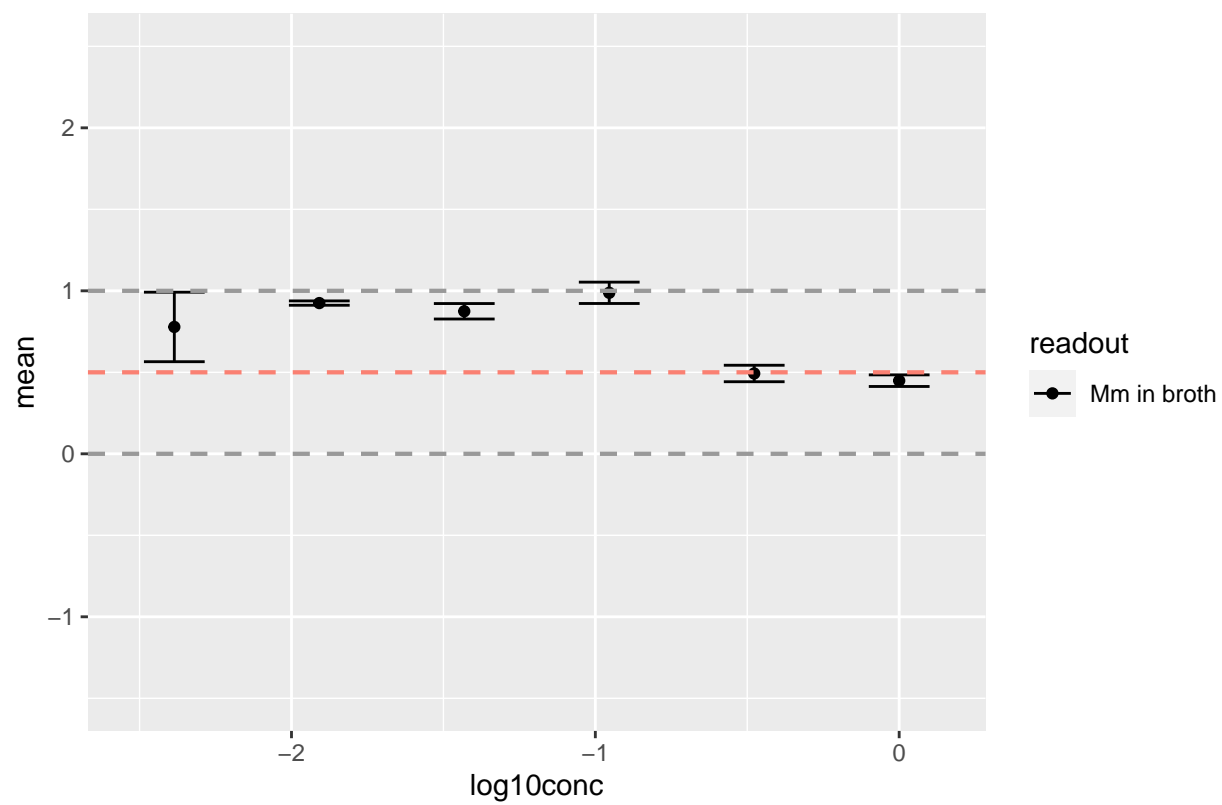
Pt_46 : dose response curve, mean & sd



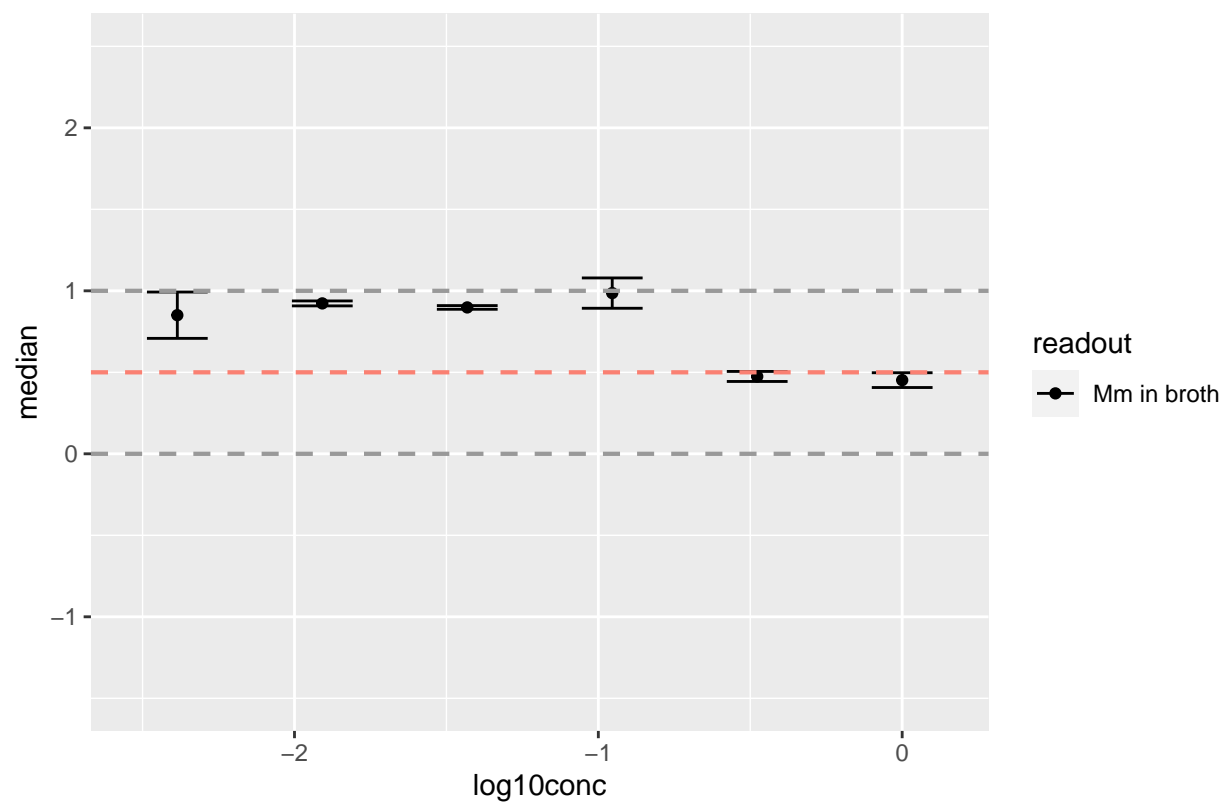
Pt_46 : dose response curve, median & mad

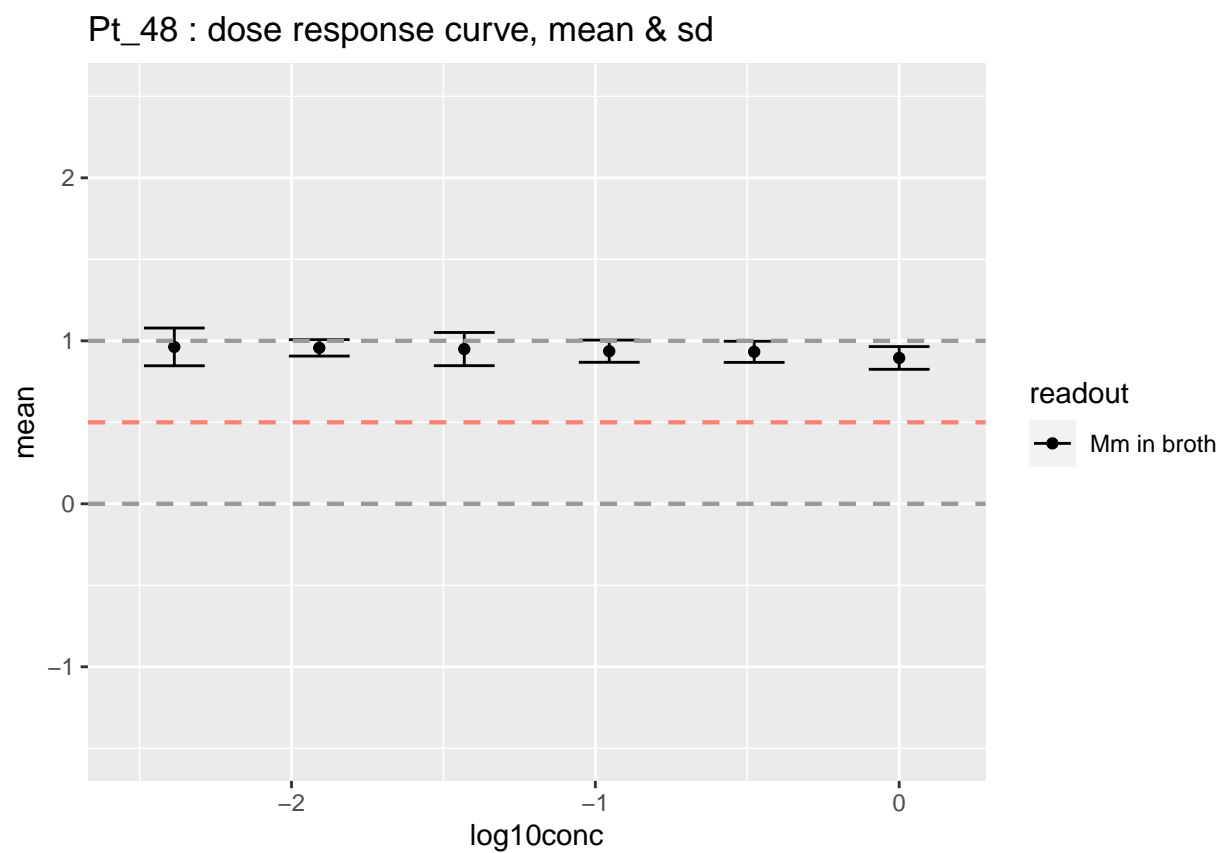


Pt_47 : dose response curve, mean & sd

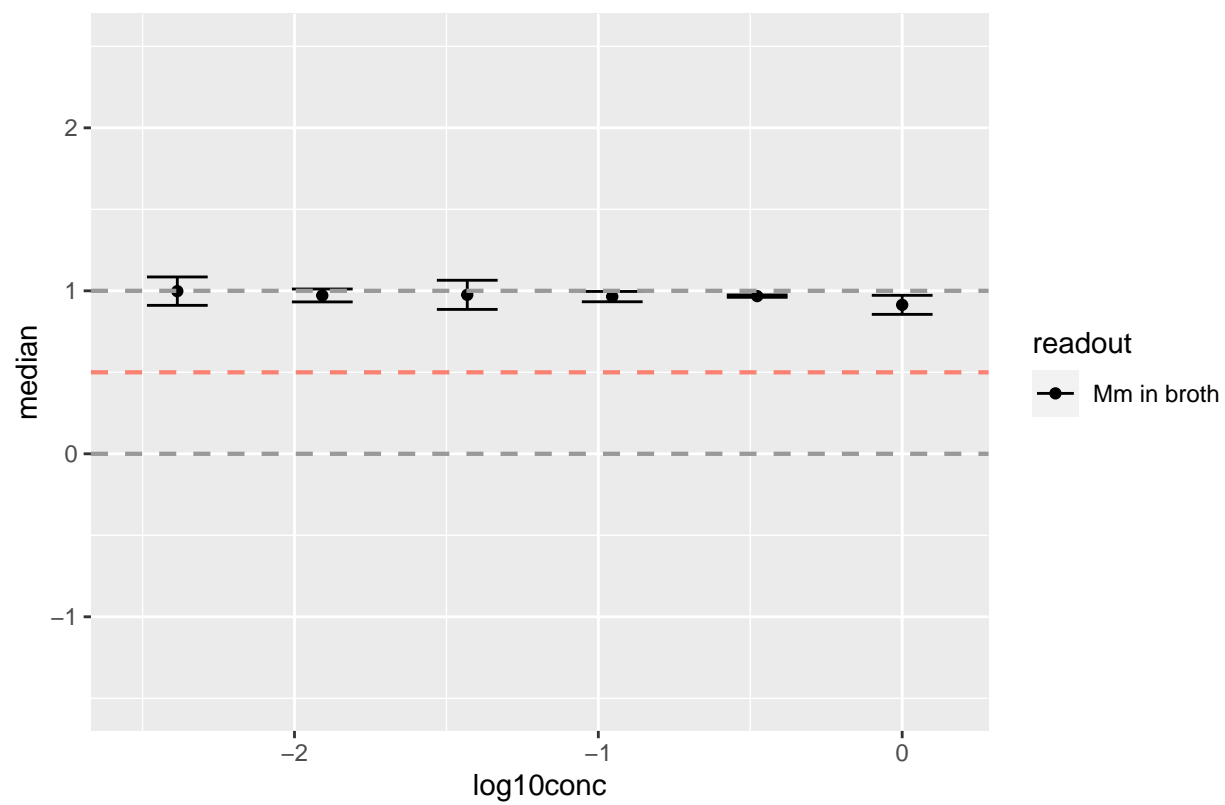


Pt_47 : dose response curve, median & mad

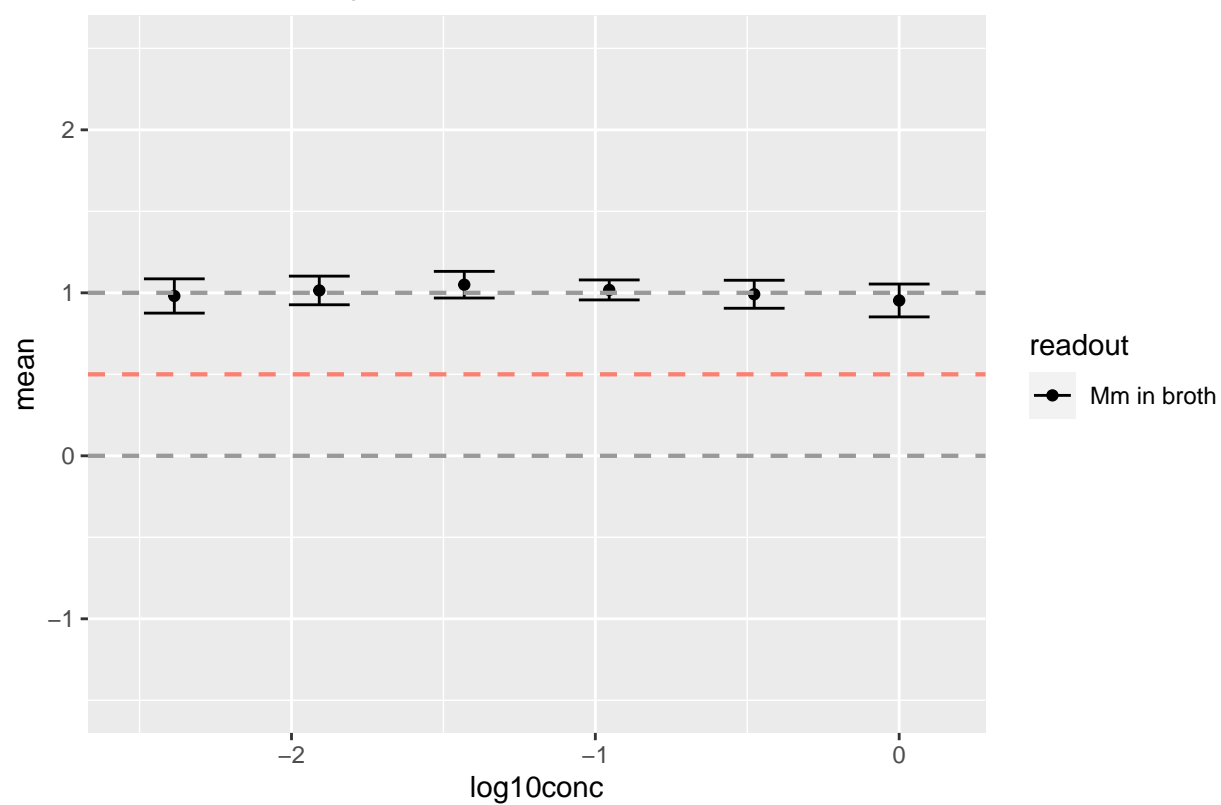




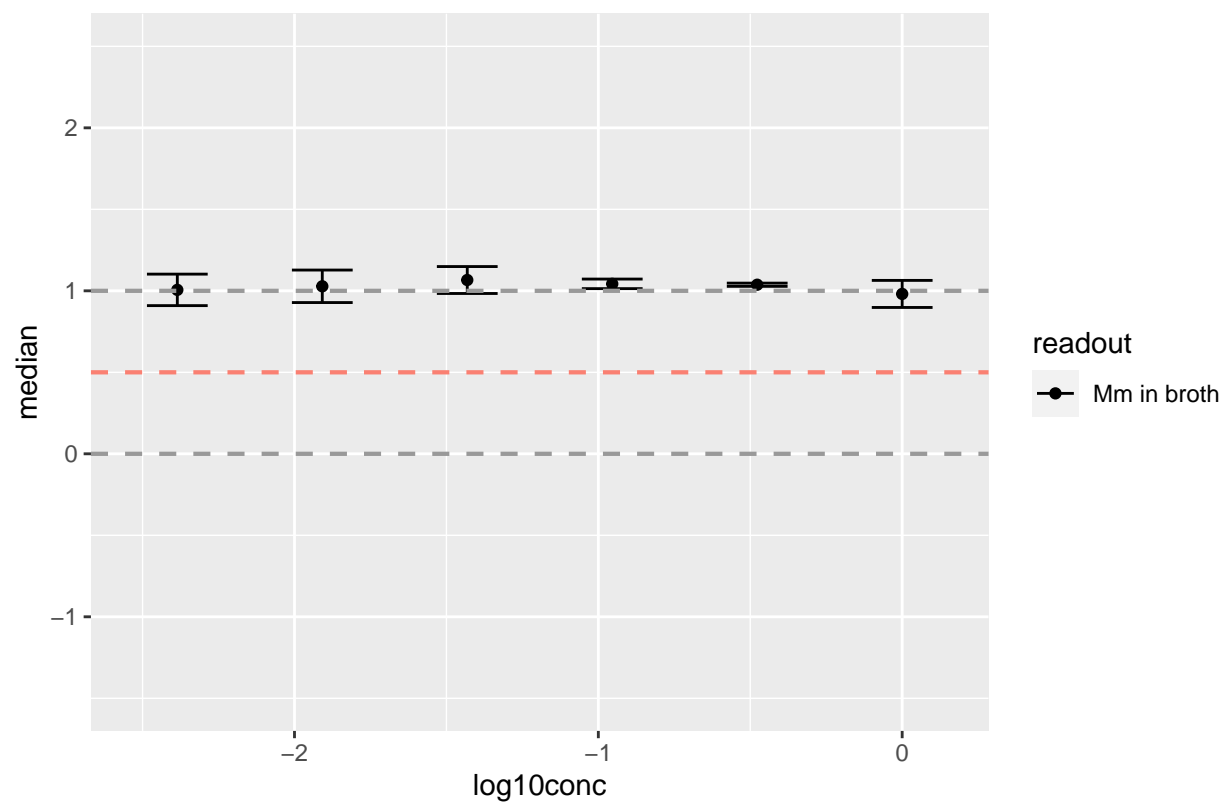
Pt_48 : dose response curve, median & mad



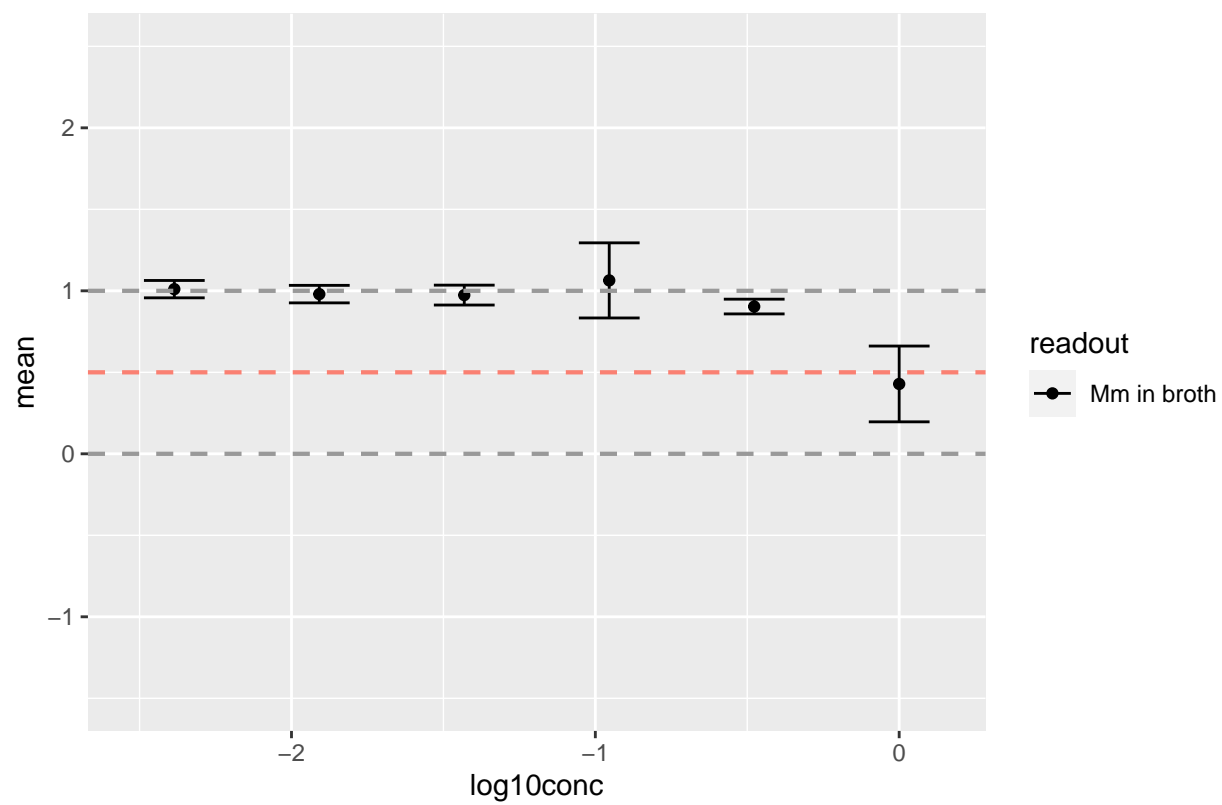
Sb_24 : dose response curve, mean & sd



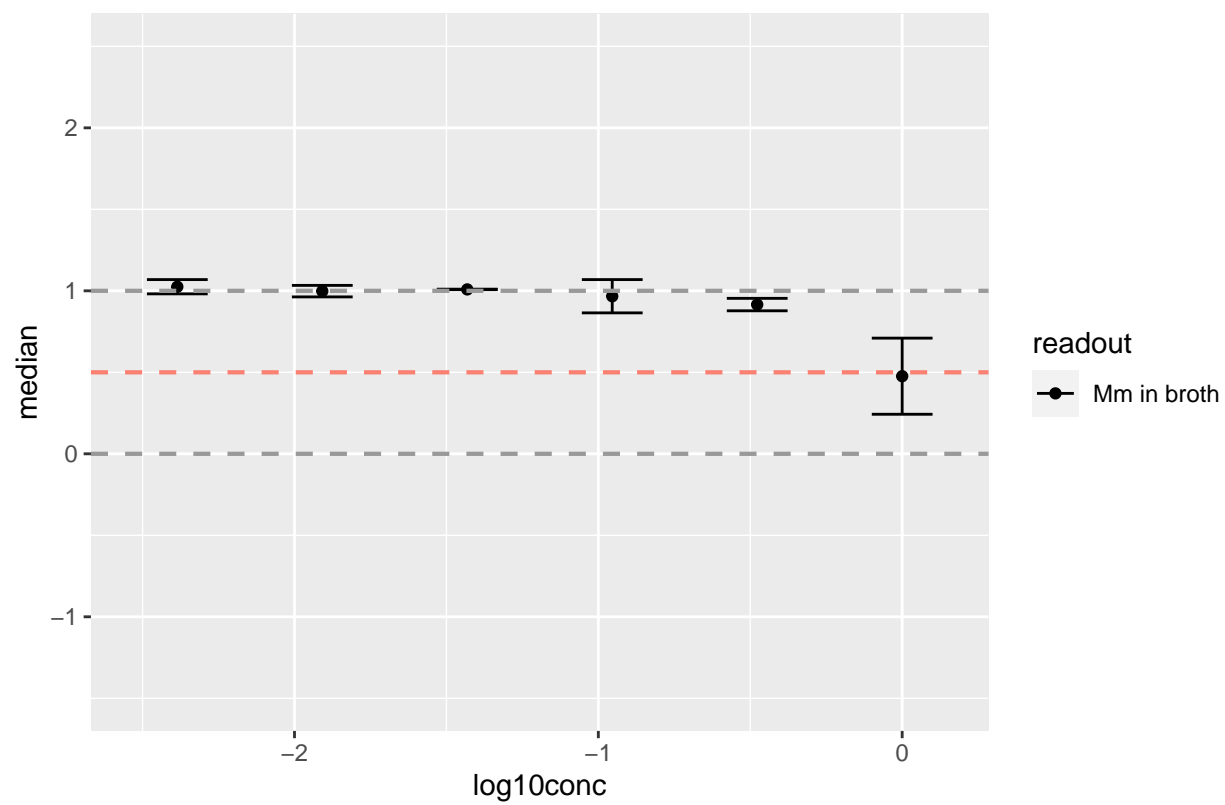
Sb_24 : dose response curve, median & mad



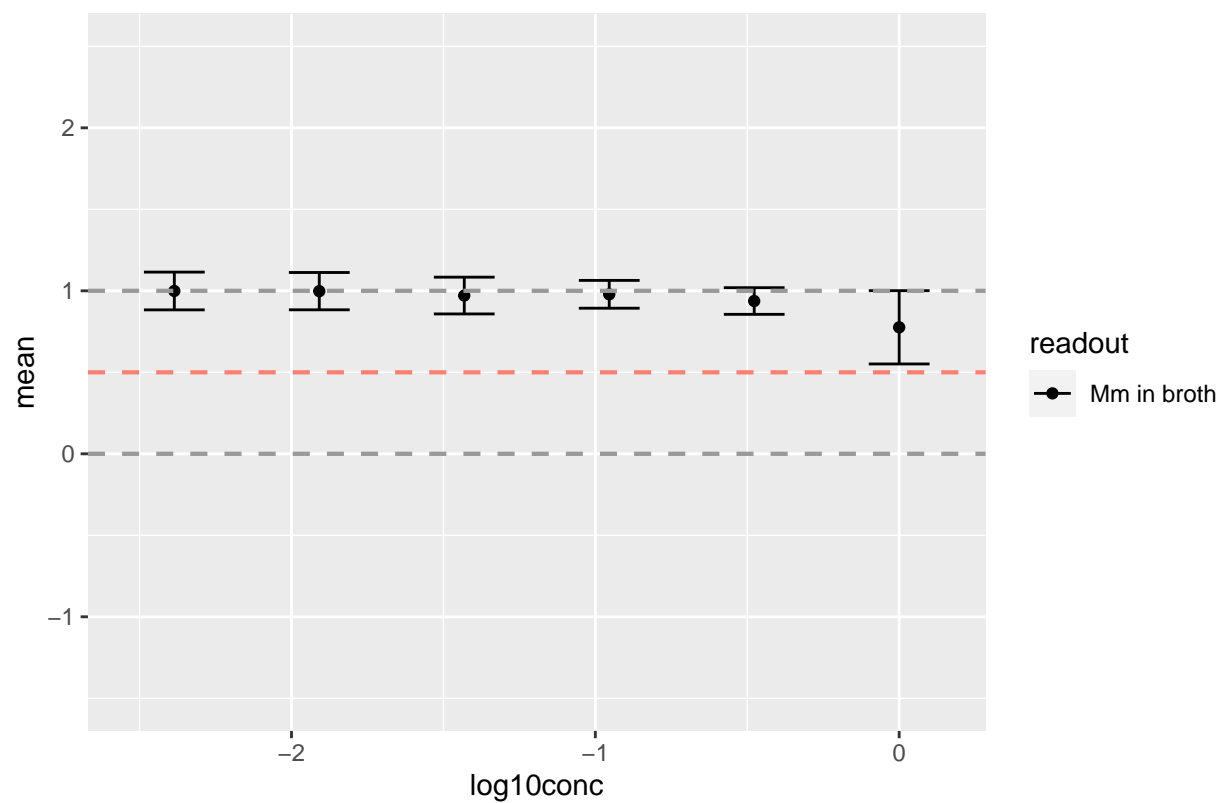
Sb_25 : dose response curve, mean & sd



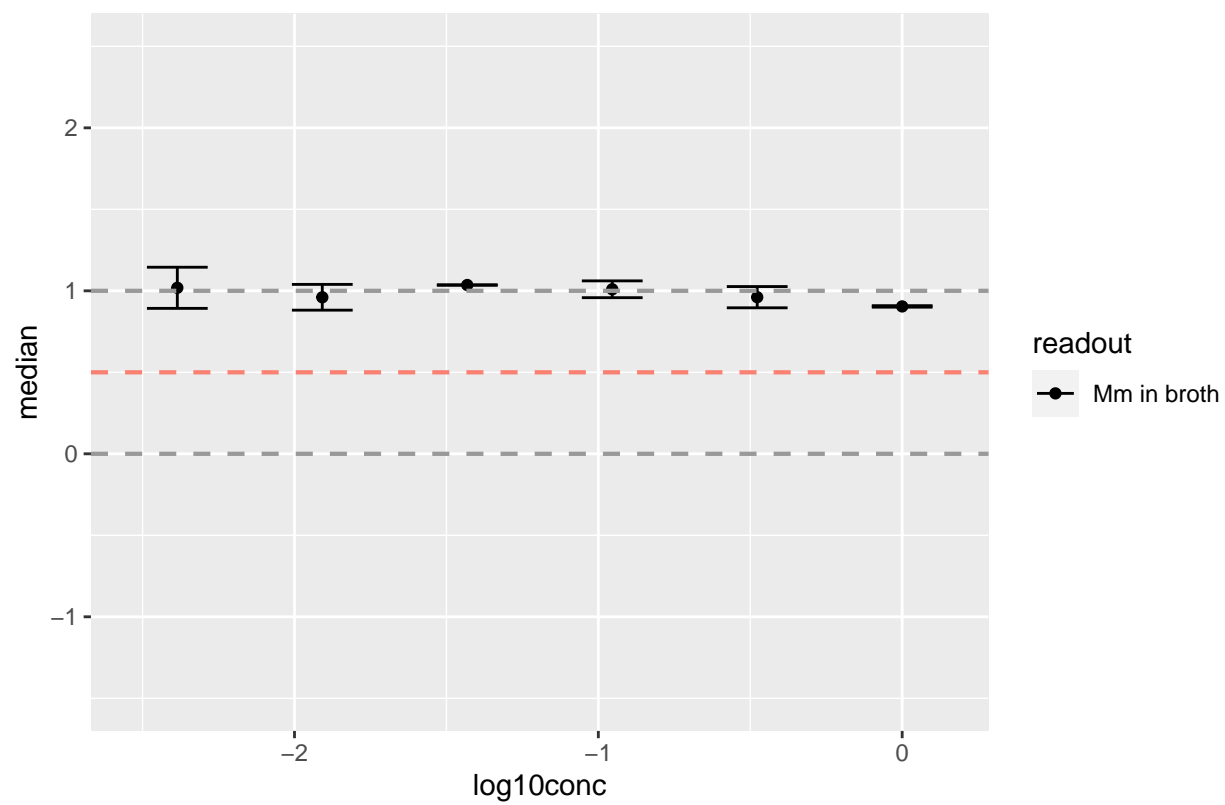
Sb_25 : dose response curve, median & mad



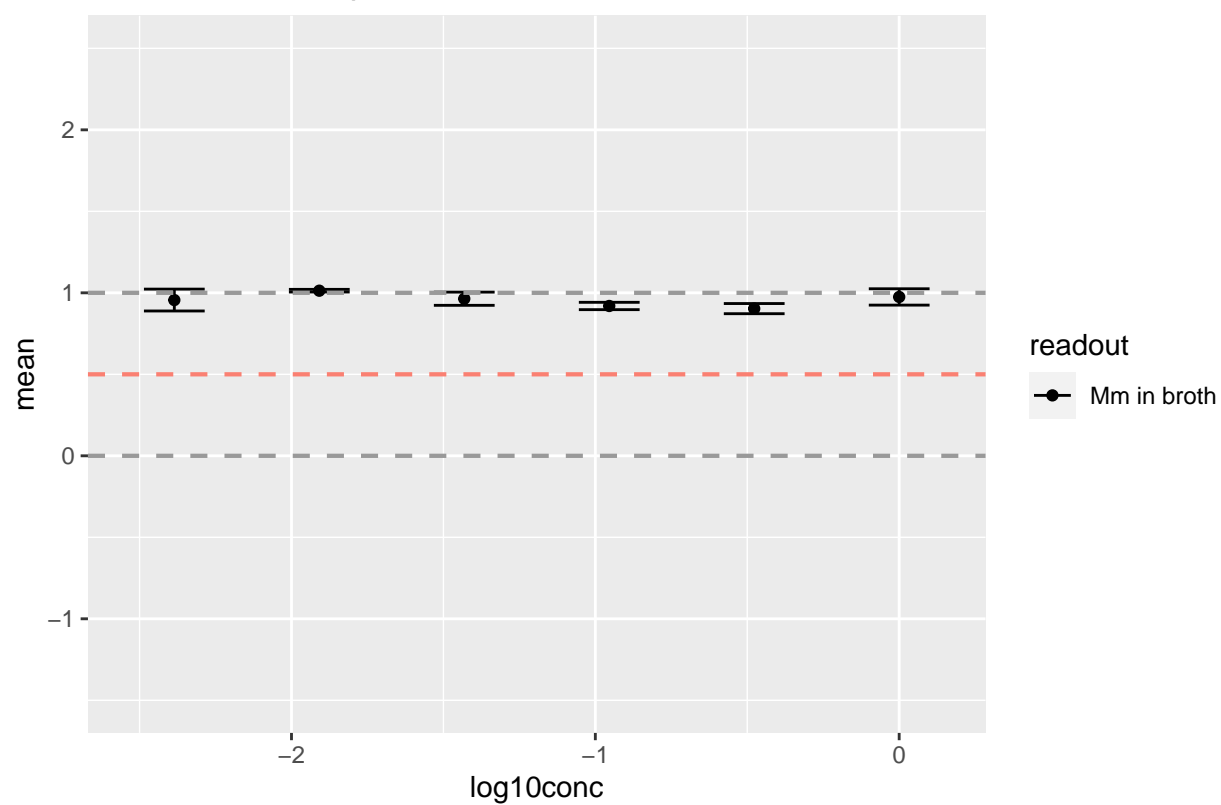
Sb_26 : dose response curve, mean & sd



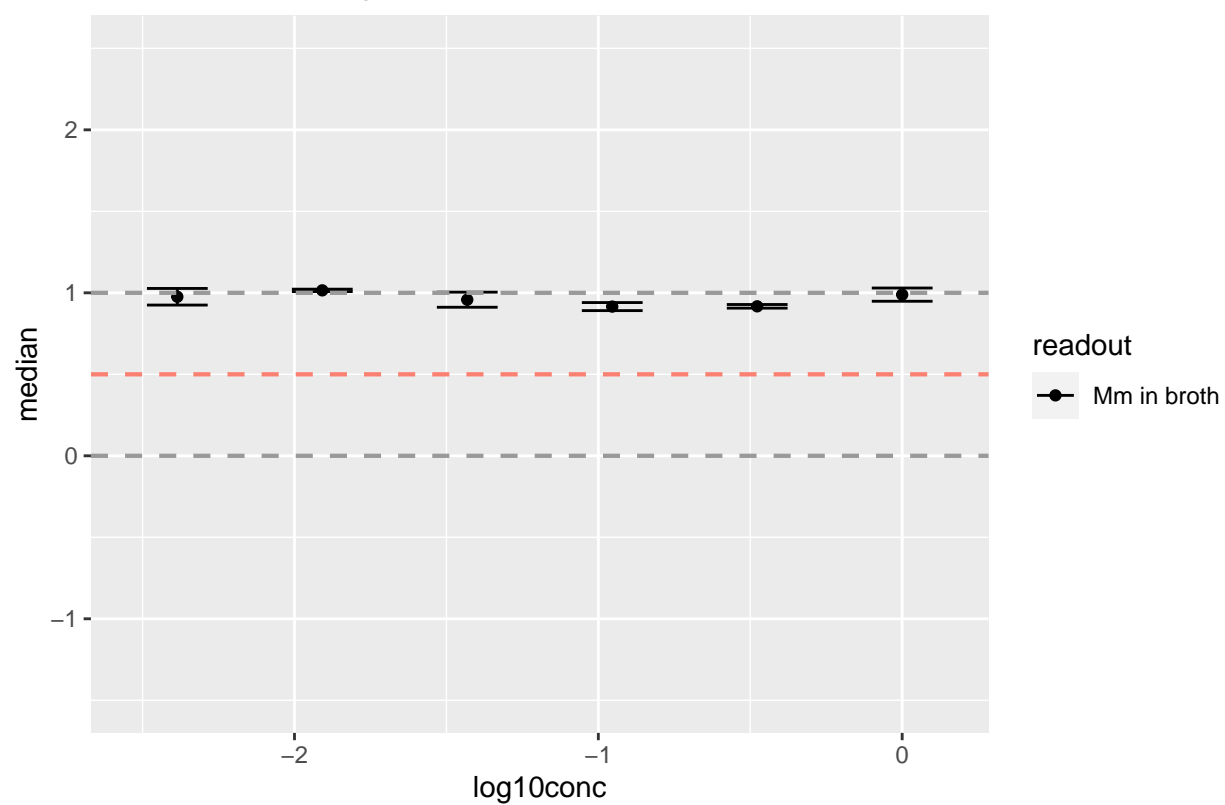
Sb_26 : dose response curve, median & mad

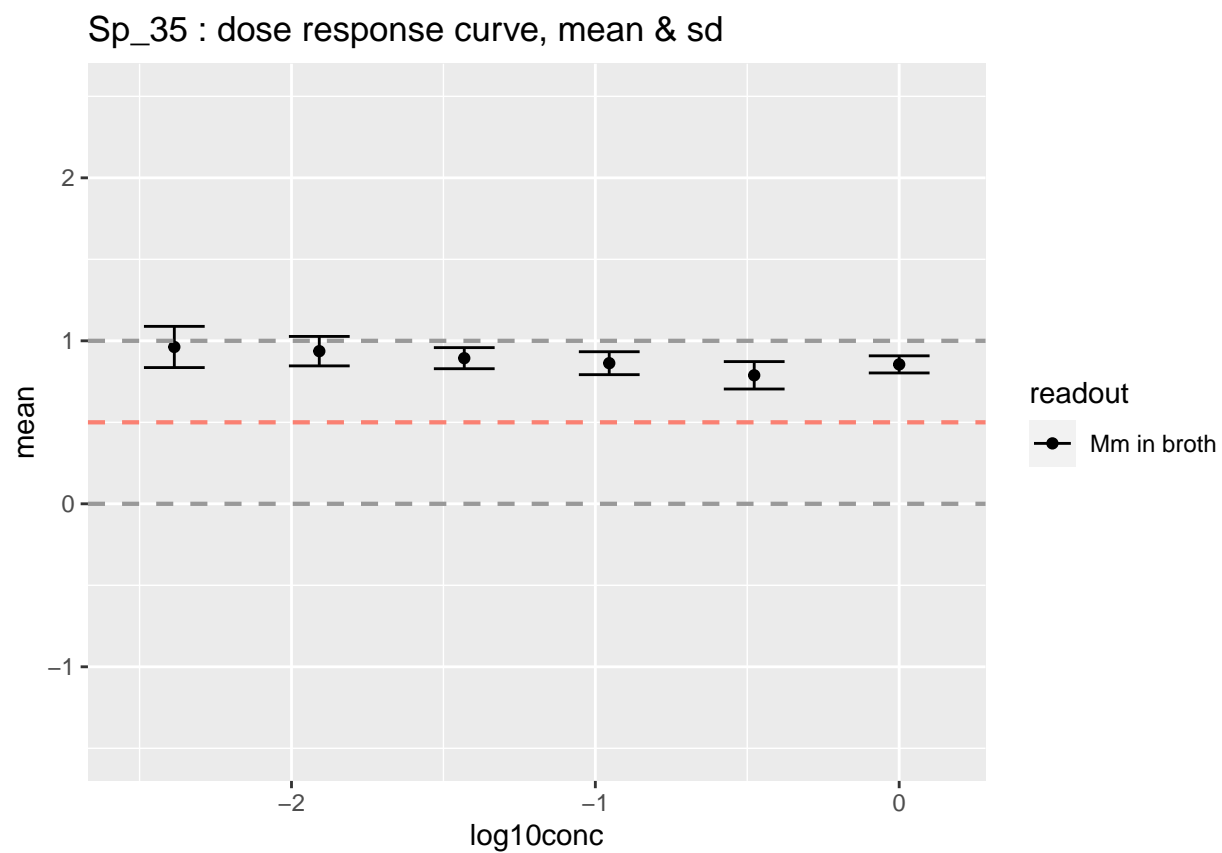


Sb_44 : dose response curve, mean & sd

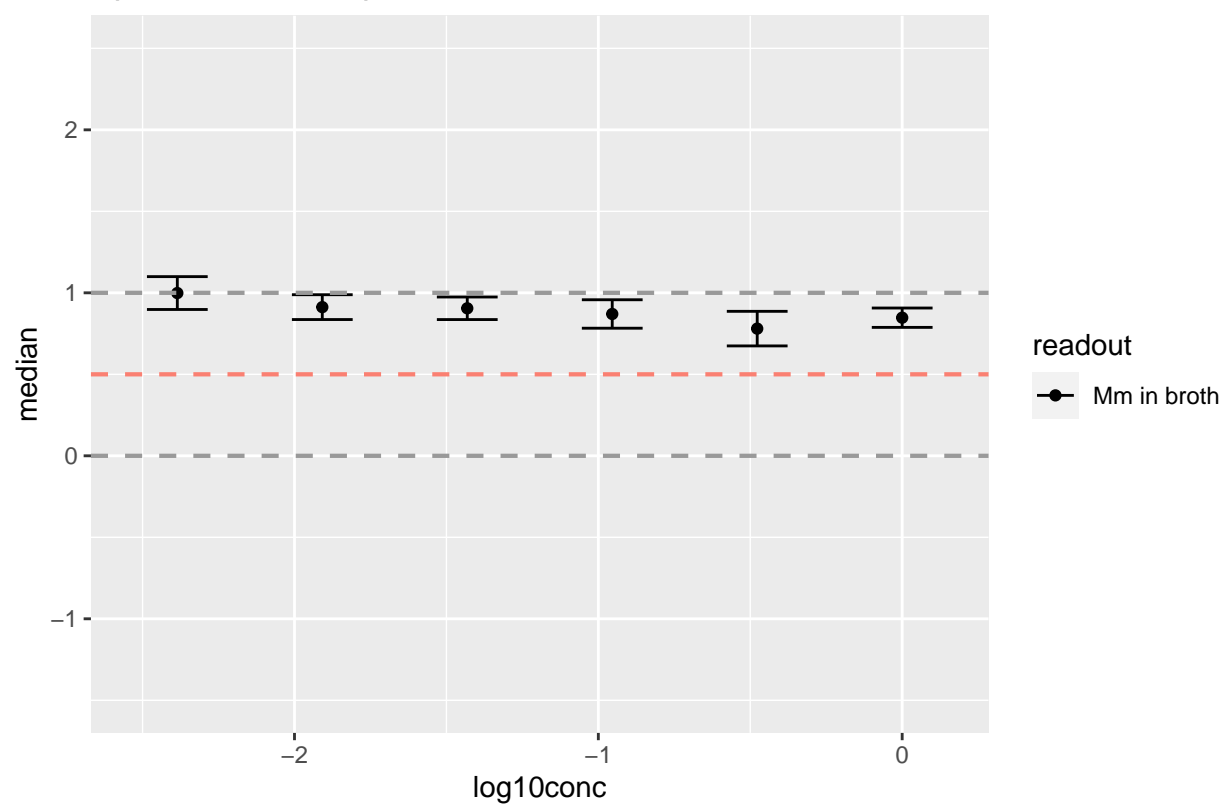


Sb_44 : dose response curve, median & mad

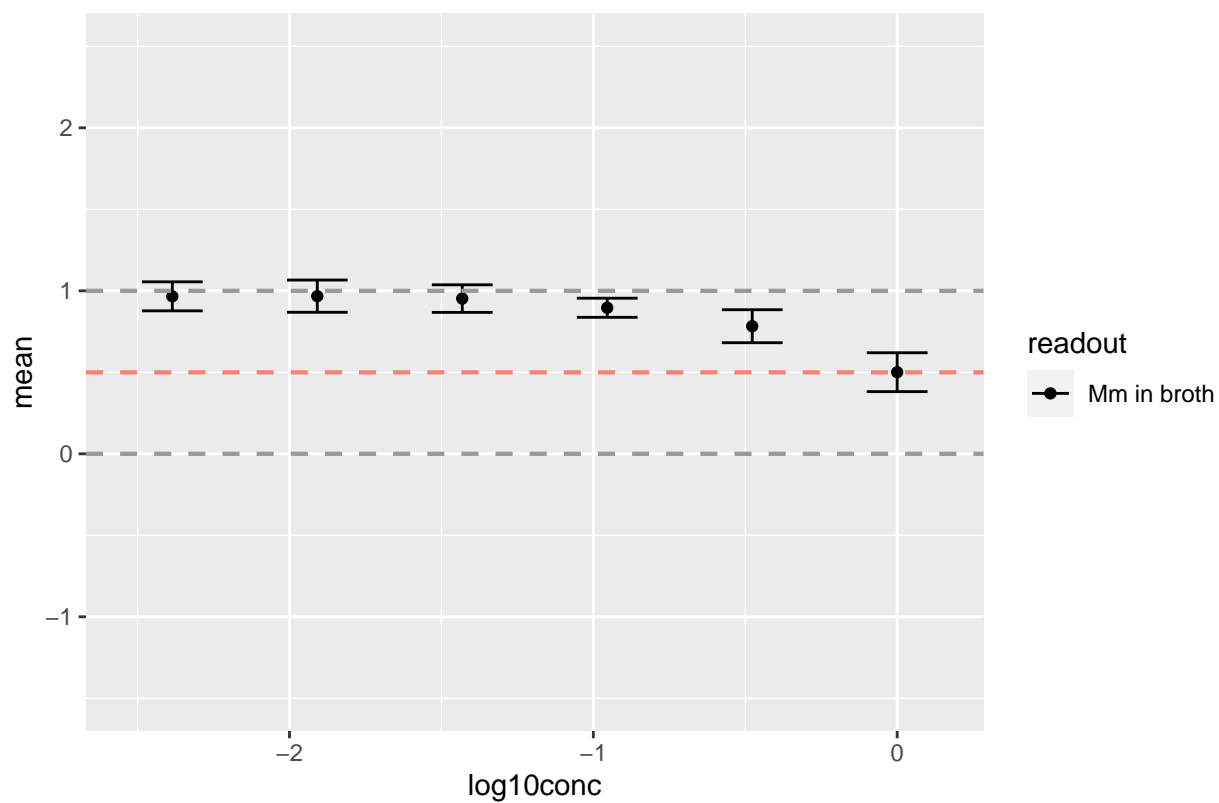




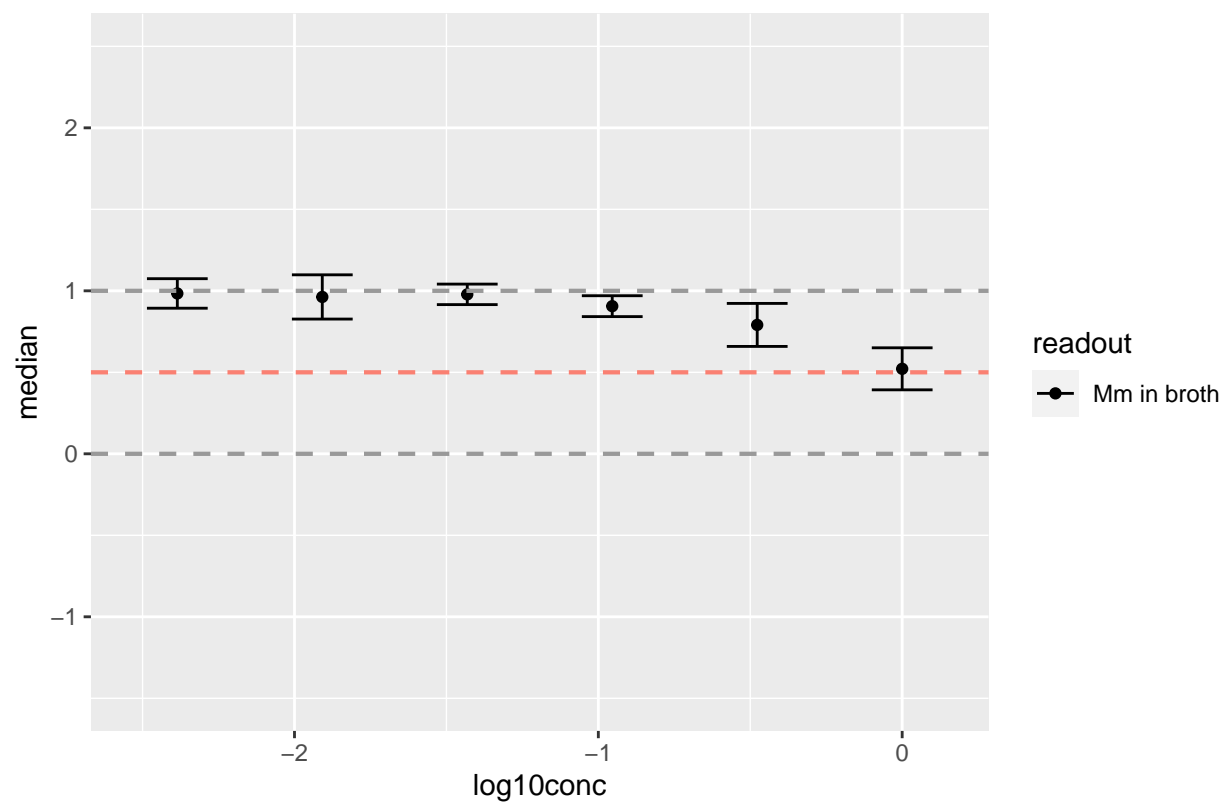
Sp_35 : dose response curve, median & mad



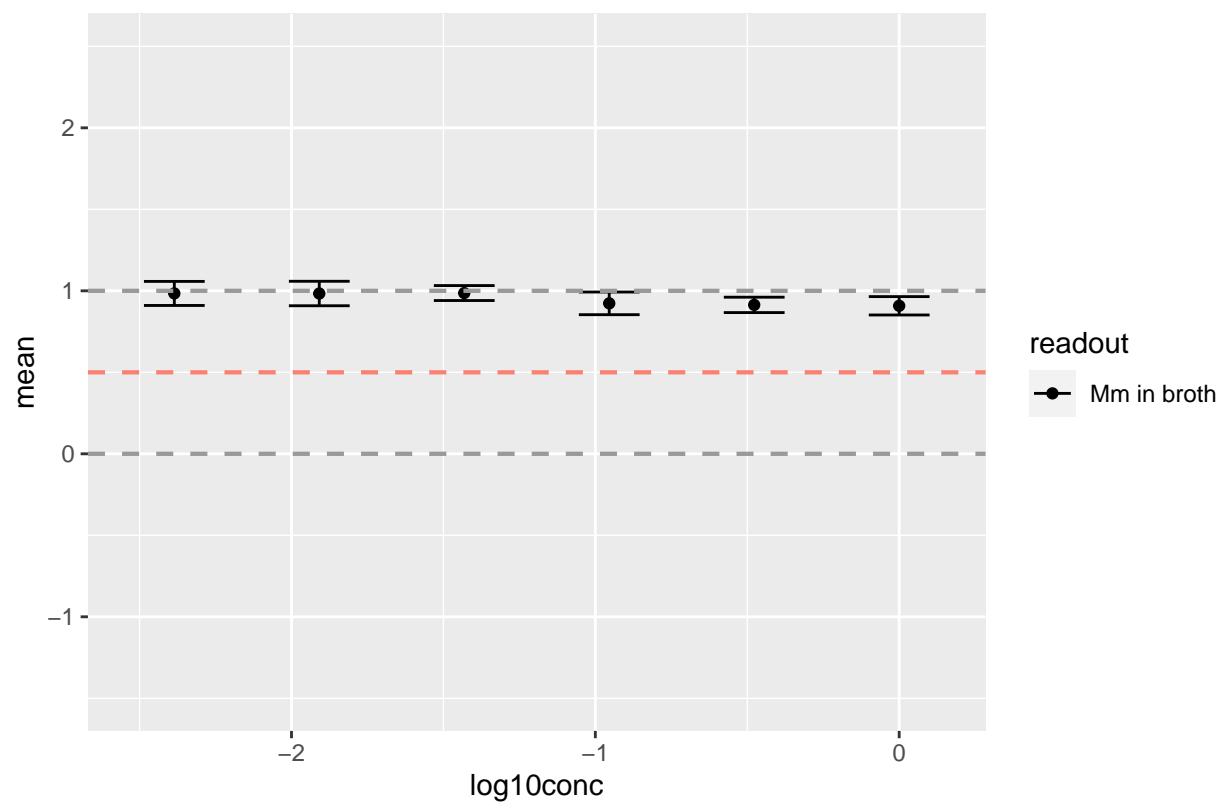
Sp_36 : dose response curve, mean & sd



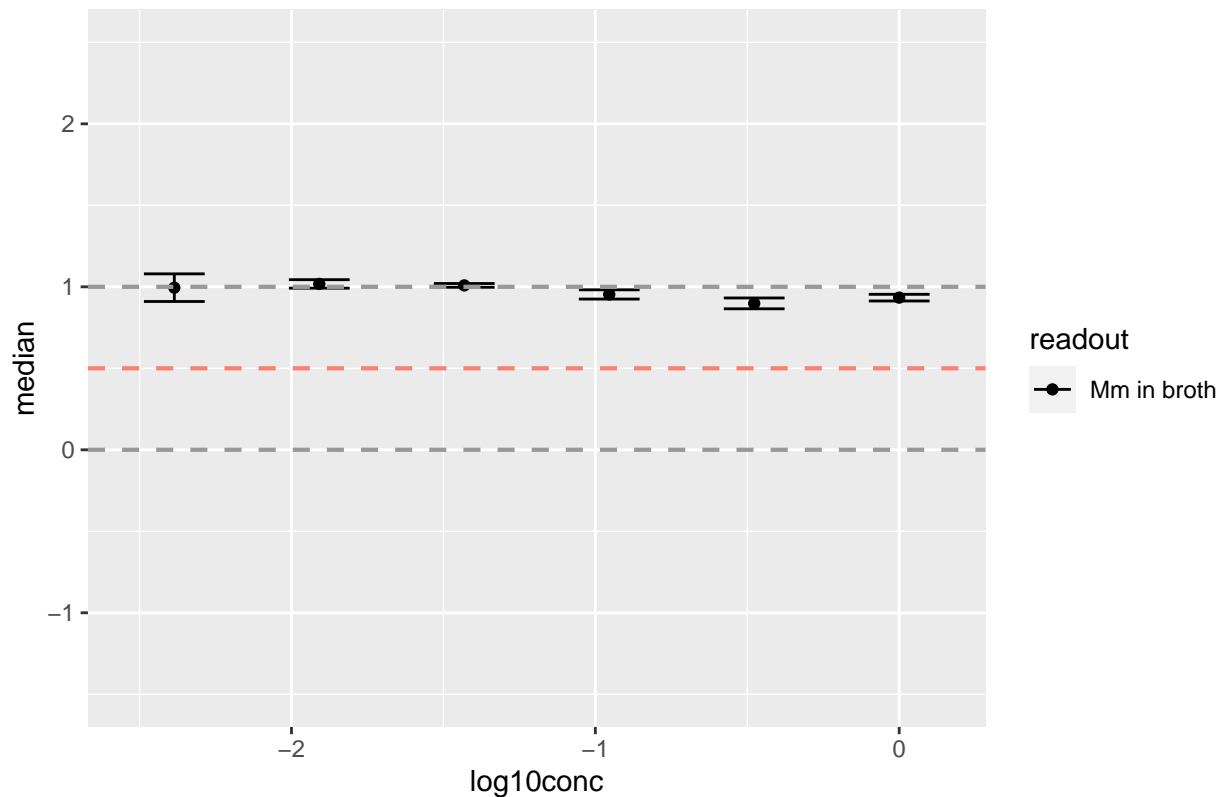
Sp_36 : dose response curve, median & mad



Tt_07 : dose response curve, mean & sd



Tt_07 : dose response curve, median & mad



```
## R version 4.3.1 (2023-06-16 ucrt)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 19045)
##
## Matrix products: default
##
## locale:
## [1] LC_COLLATE=English_Switzerland.utf8 LC_CTYPE=English_Switzerland.utf8
## [3] LC_MONETARY=English_Switzerland.utf8 LC_NUMERIC=C
## [5] LC_TIME=English_Switzerland.utf8
##
## time zone: Europe/Zurich
## tzcode source: internal
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods   base
##
## other attached packages:
## [1] reshape2_1.4.4 tidyr_1.3.0    dplyr_1.1.3    ggplot2_3.4.4  gplots_3.1.3
## [6] readxl_1.4.3   xlsx_0.6.5
##
## loaded via a namespace (and not attached):
## [1] gtable_0.3.4      compiler_4.3.1    gtools_3.9.4      Rcpp_1.0.11
## [5] tidyselect_1.2.0  stringr_1.5.0     bitops_1.0-7      scales_1.2.1
## [9] yaml_2.3.7        fastmap_1.1.1     plyr_1.8.9        R6_2.5.1
```

## [13]	labeling_0.4.3	generics_0.1.3	knitr_1.44	tibble_3.2.1
## [17]	munsell_0.5.0	pillar_1.9.0	rlang_1.1.1	utf8_1.2.3
## [21]	stringi_1.7.12	xfun_0.40	caTools_1.18.2	cli_3.6.1
## [25]	withr_2.5.1	magrittr_2.0.3	digest_0.6.33	grid_4.3.1
## [29]	rstudioapi_0.15.0	rJava_1.0-6	lifecycle_1.0.3	vctrs_0.6.3
## [33]	KernSmooth_2.23-21	evaluate_0.22	glue_1.6.2	farver_2.1.1
## [37]	cellranger_1.1.0	xlsxjars_0.6.1	fansi_1.0.5	colorspace_2.1-0
## [41]	rmarkdown_2.25	purrr_1.0.2	tools_4.3.1	pkgconfig_2.0.3
## [45]	htmltools_0.5.6.1			