Of mice

Michel de Lange

10/16/2017

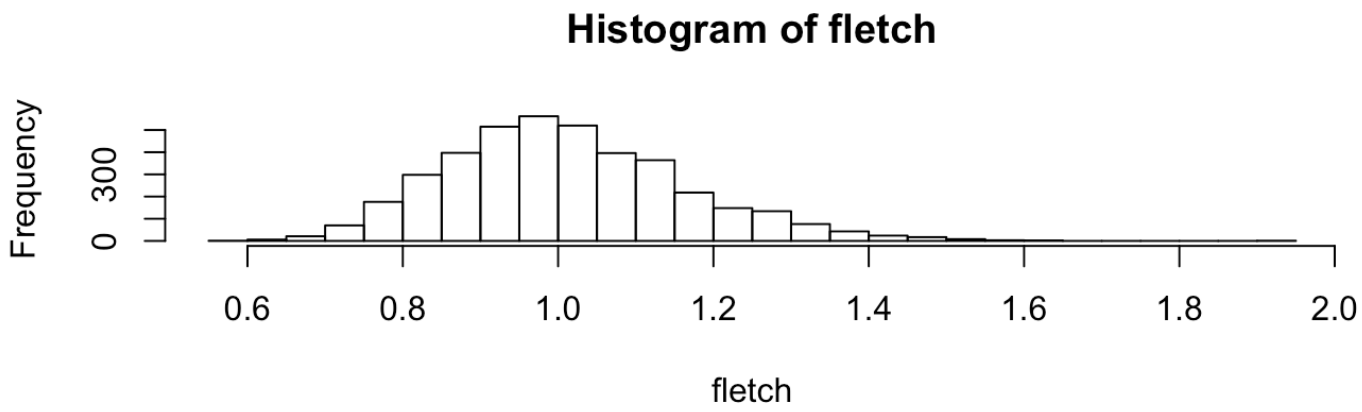
Of mice

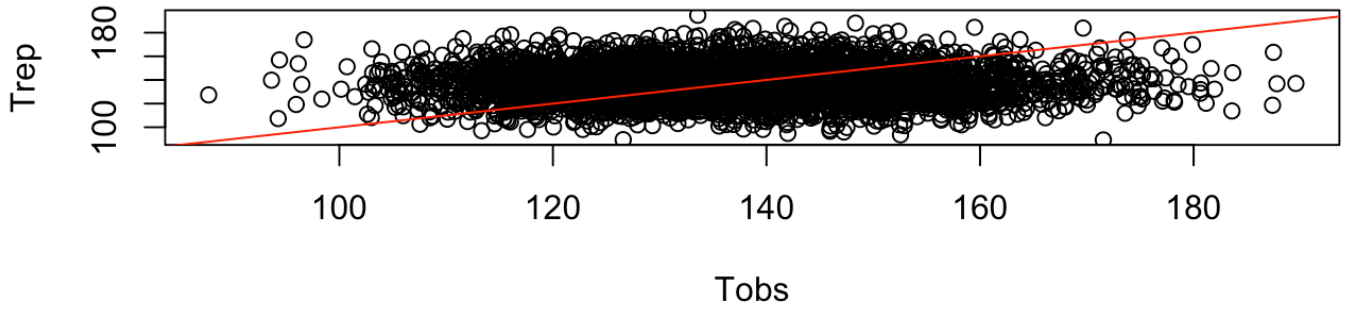
All mice cell types. buonferroni correction is TRUE

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

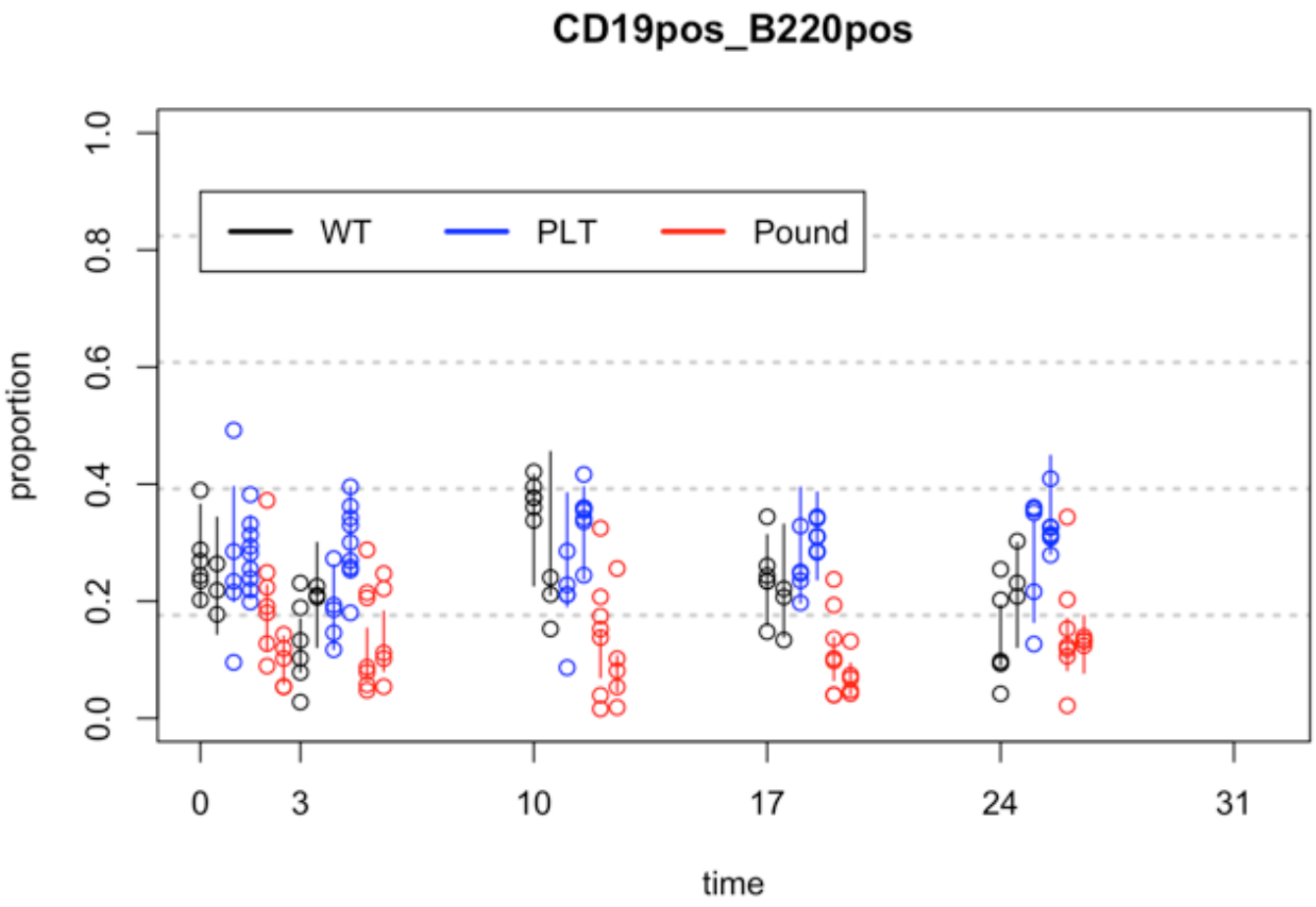
1 CD19pos_B220pos

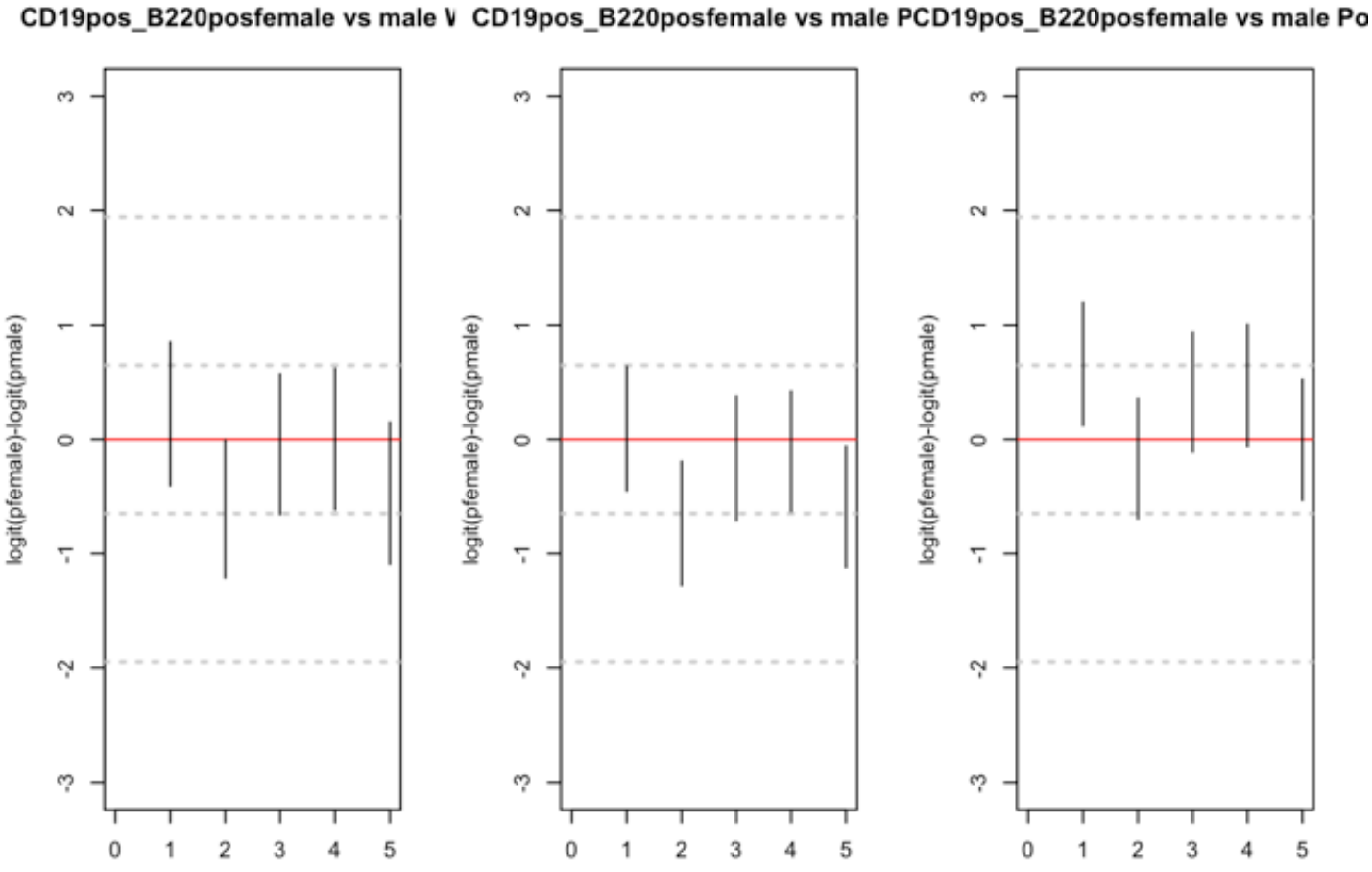
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```



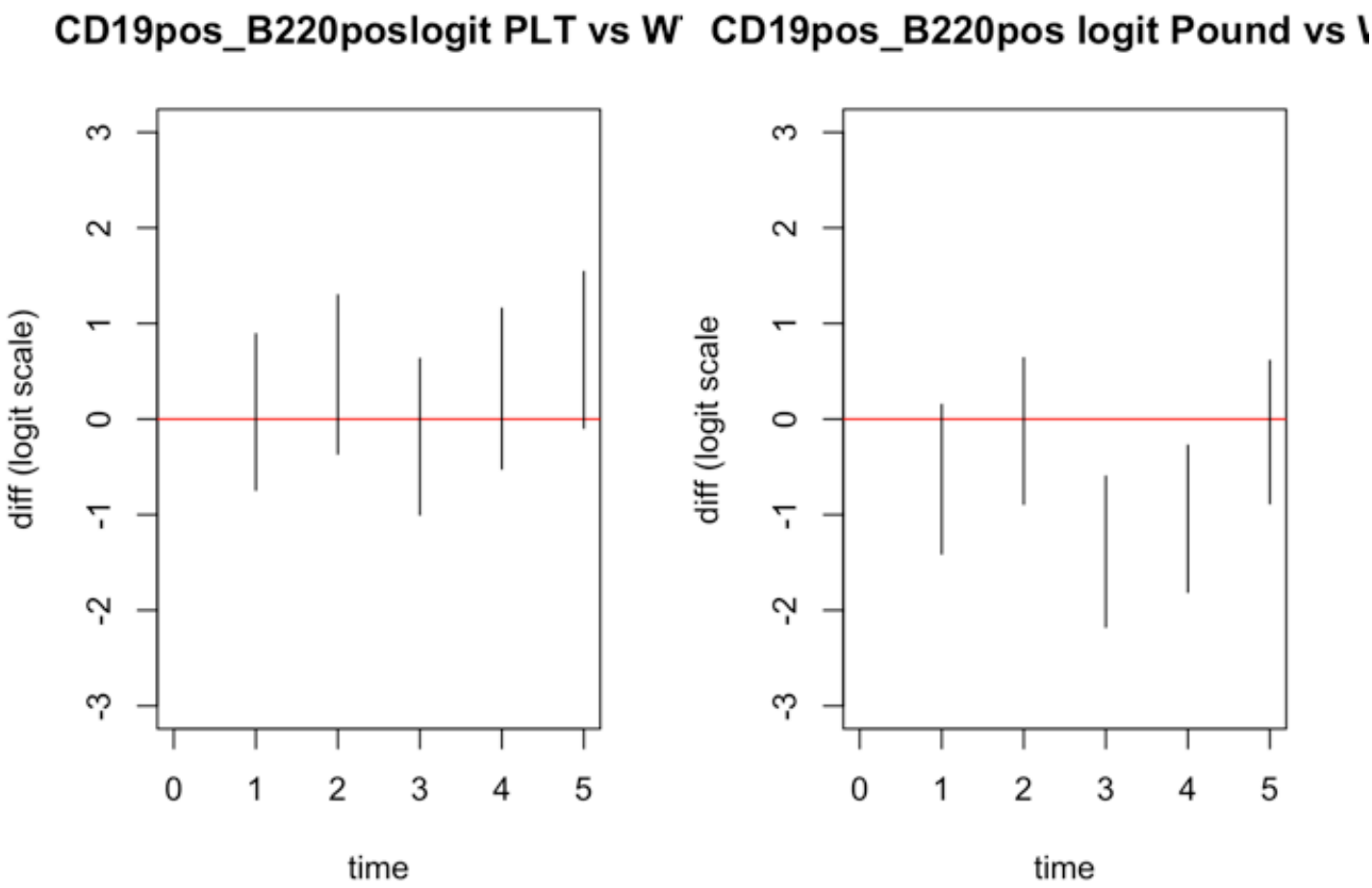


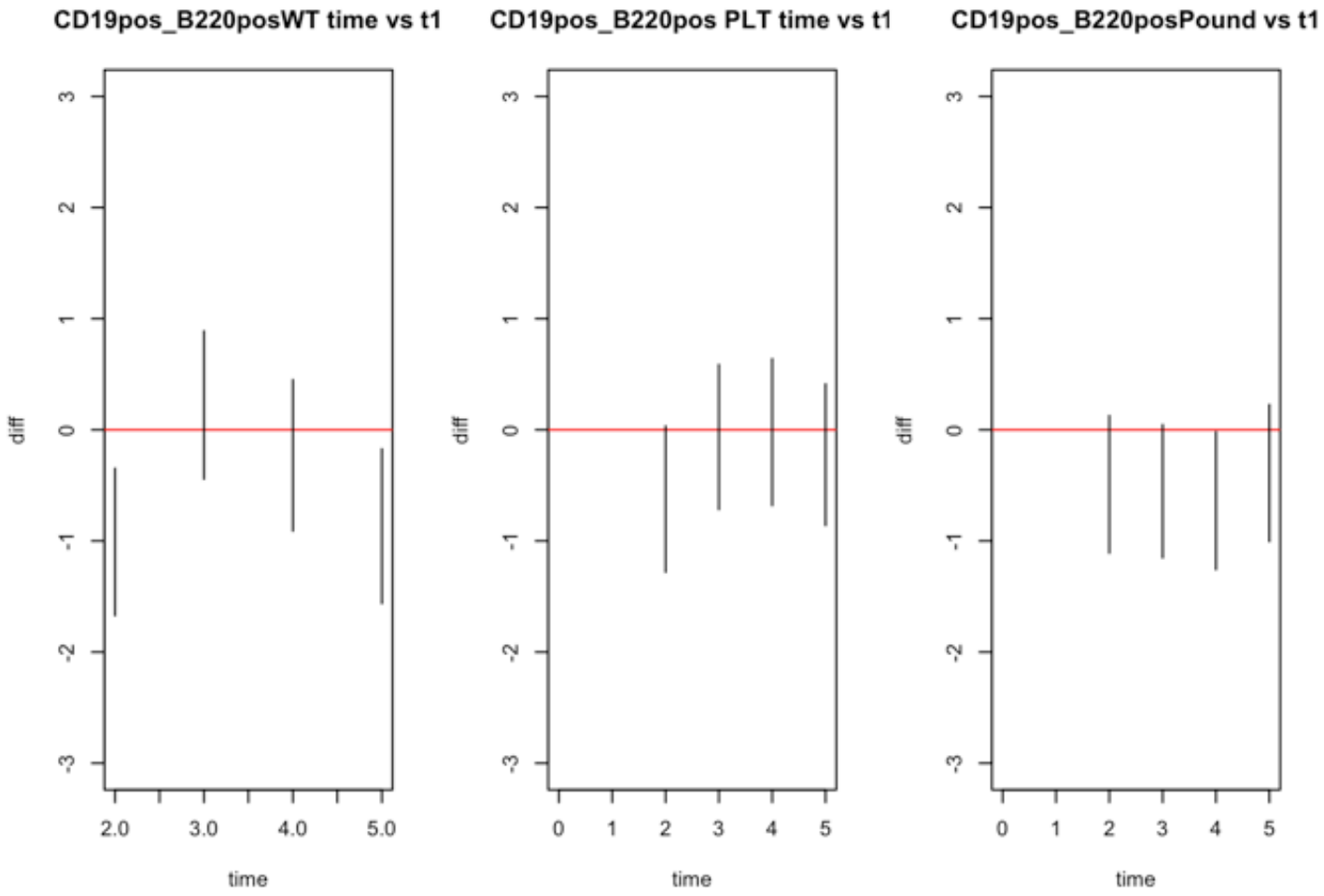

```
## [1] "got posteriors"
## [1] "DIC: 2240.34"
```


CD19pos_B220pos
WT
PLT
Pound
proportion
0.0
0.2
0.4
0.6
0.8
1.0
0
3
10
17
24
31
time


CD19pos_B220posfemale vs male W
CD19pos_B220posfemale vs male P
CD19pos_B220posfemale vs male Po
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

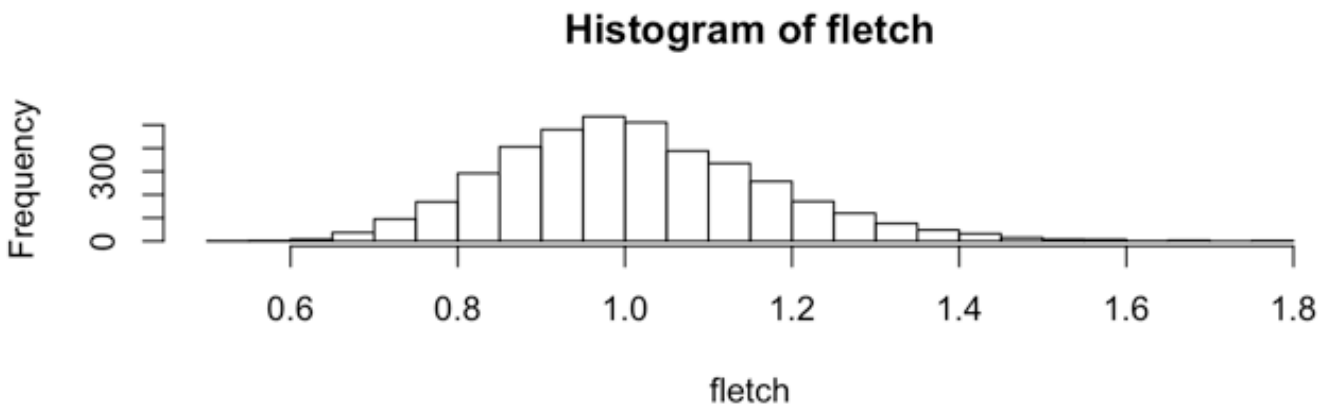
time time time

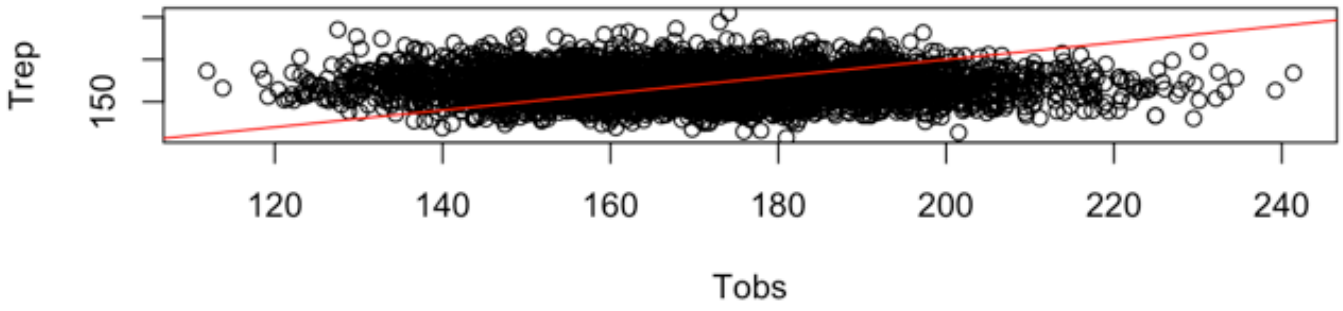




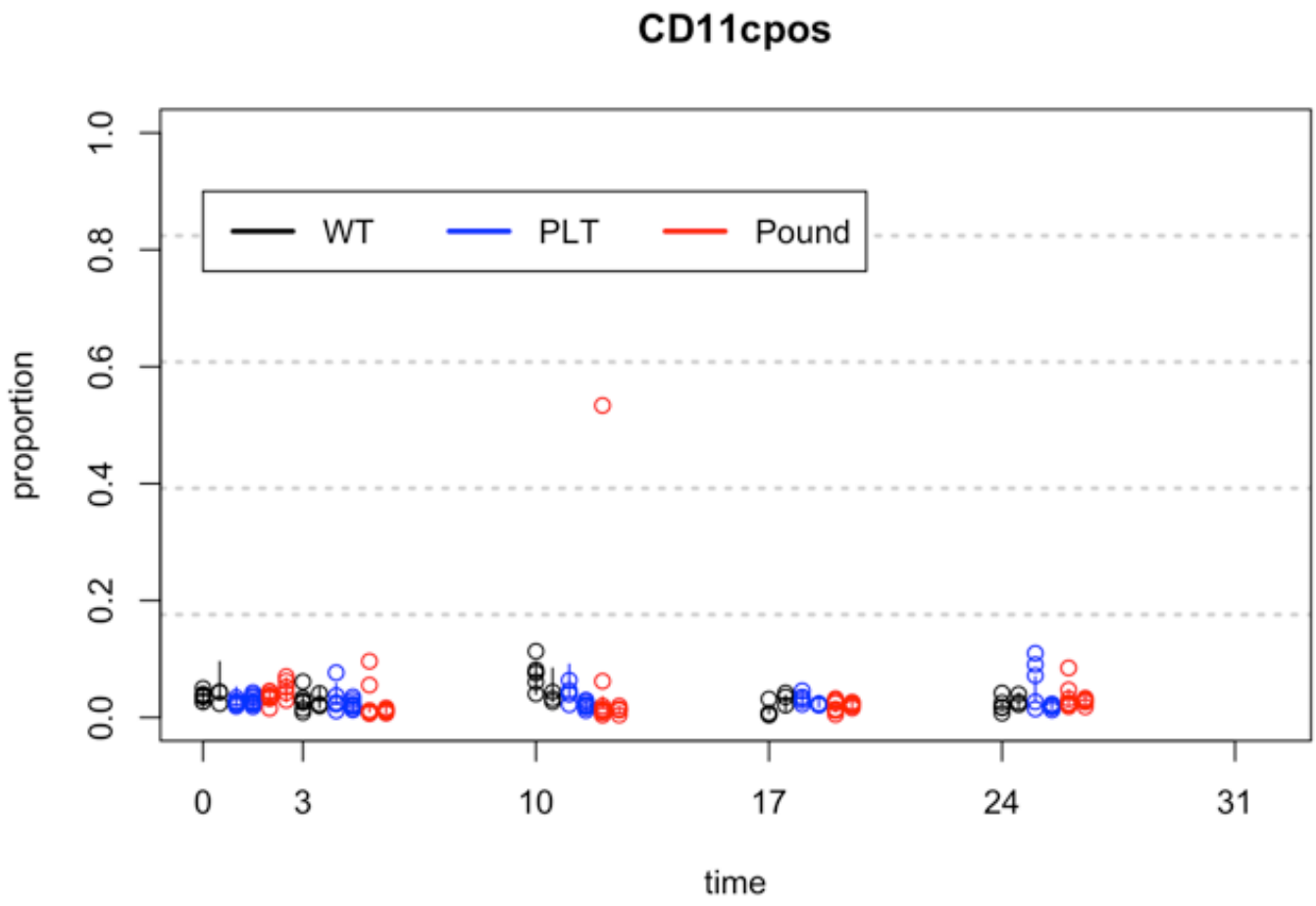
2 “CD11cpos”

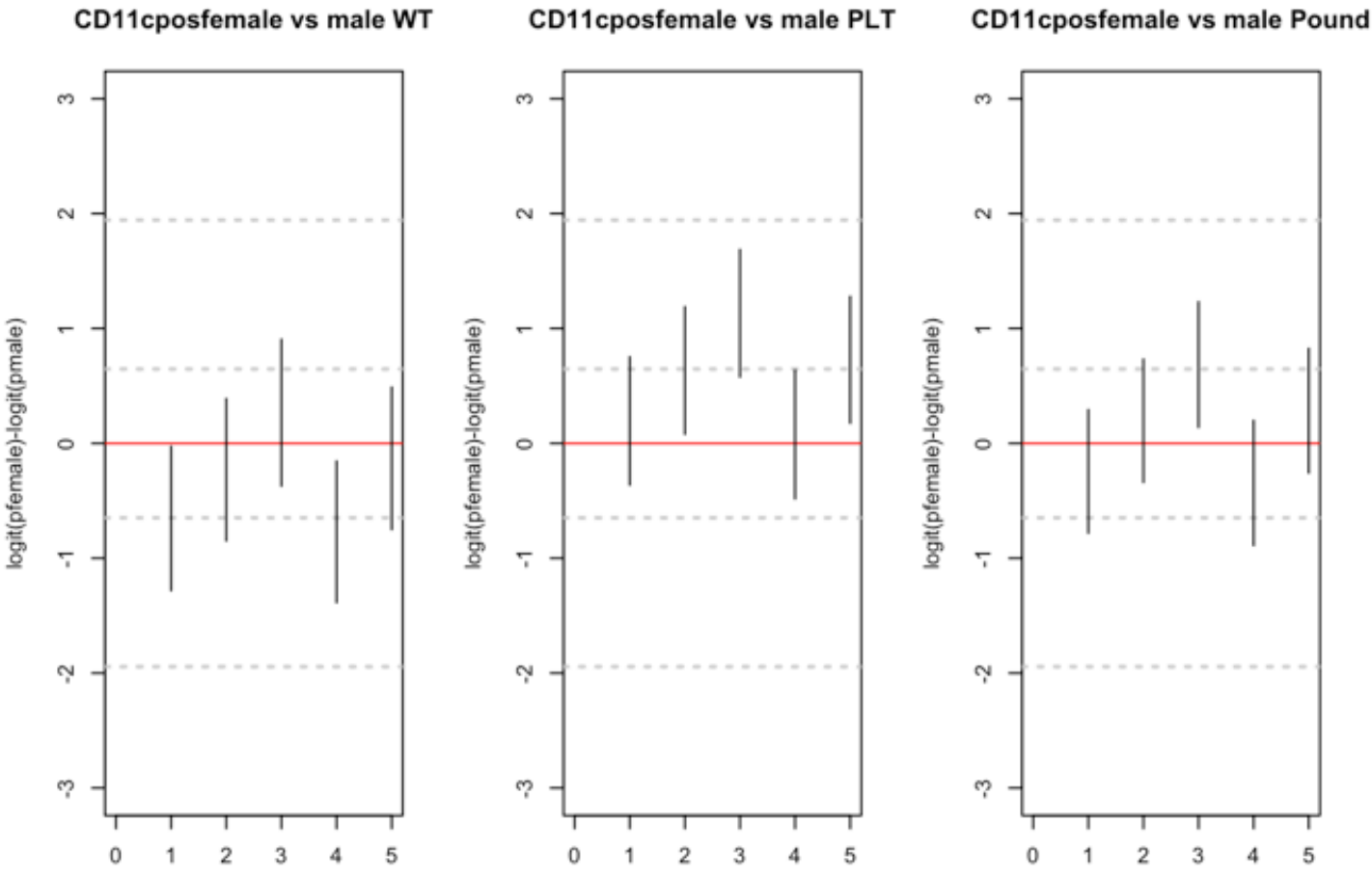
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```



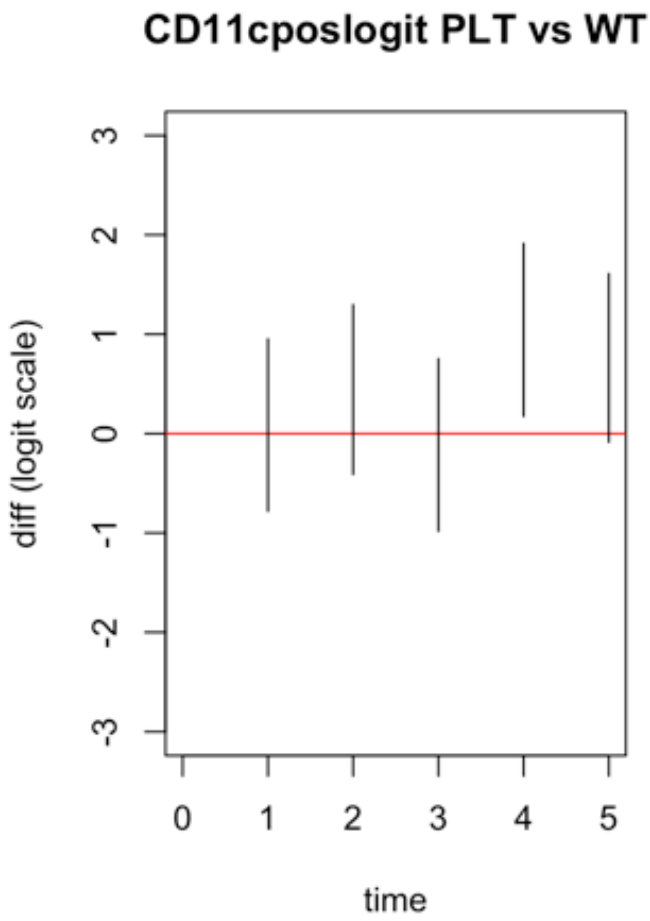


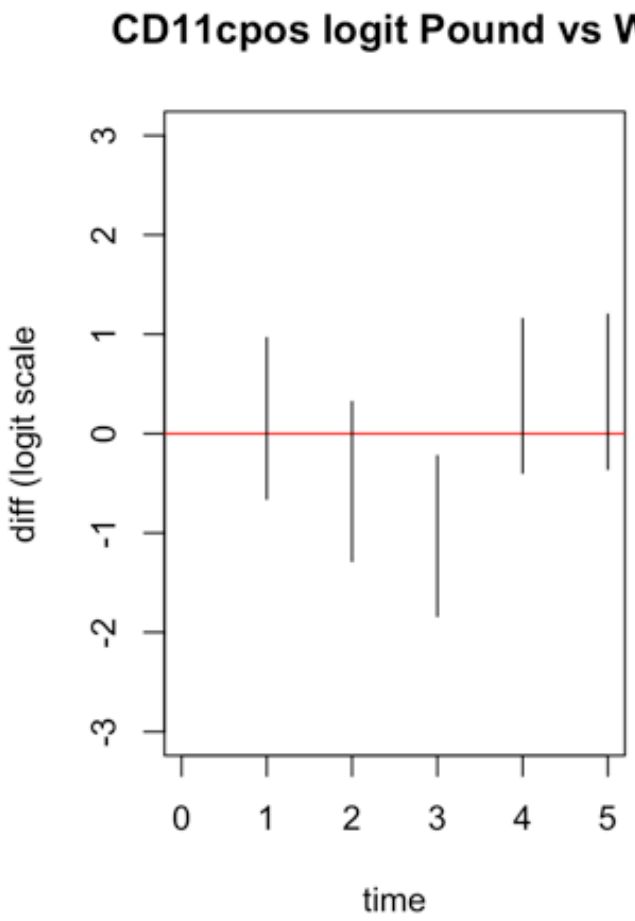

```
## [1] "got posteriors"
## [1] "DIC: 1951"
```

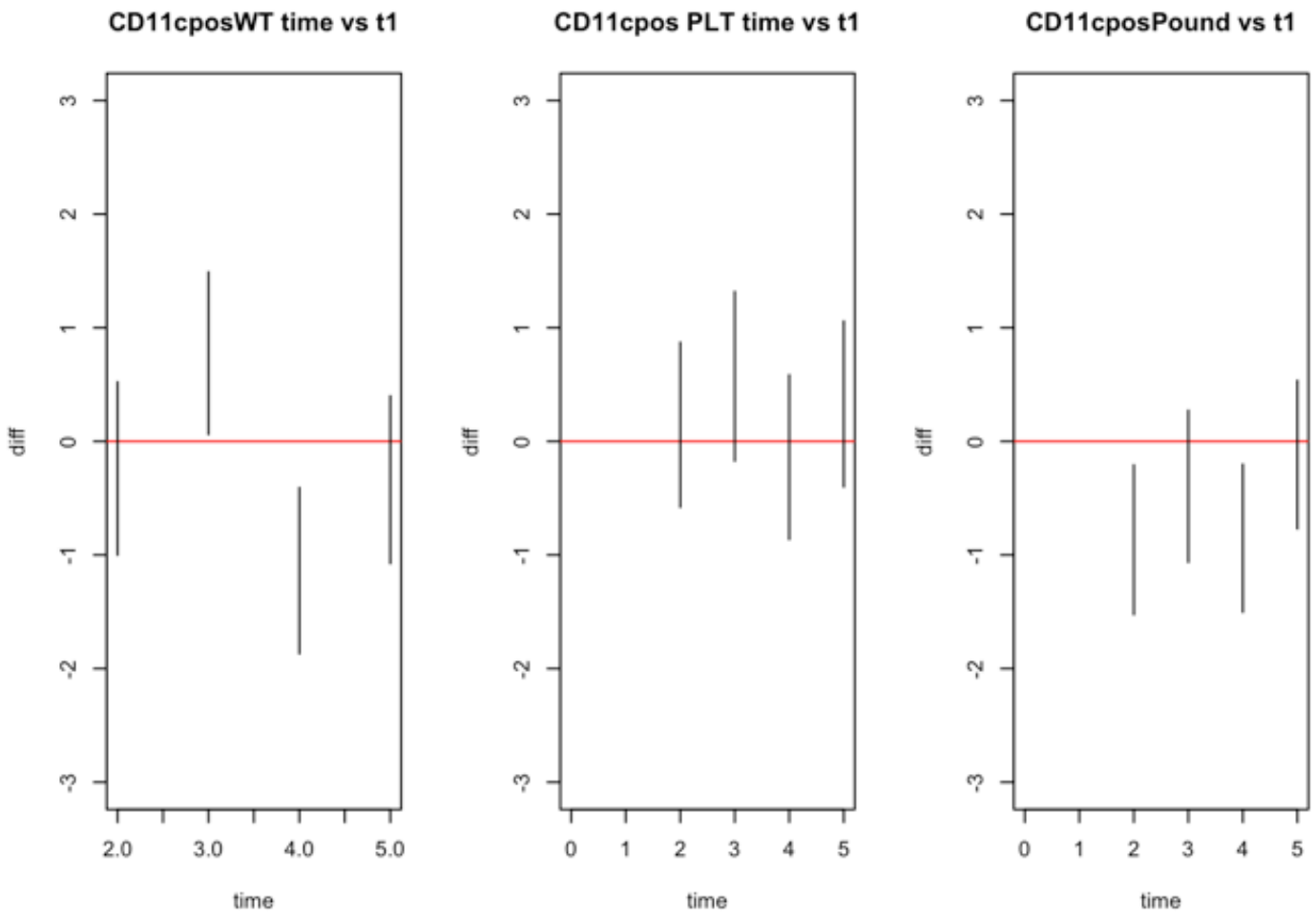

CD11cpos
WT
PLT
Pound
proportion
0.0
0.2
0.4
0.6
0.8
1.0
0
3
10
17
24
31
time


CD11cposfemale vs male WT
CD11cposfemale vs male PLT
CD11cposfemale vs male Pound
logit(pfemale)-logit(pmale)
3
2
1
0
-1
-2
-3
0
1
2
3
4
5

time time time

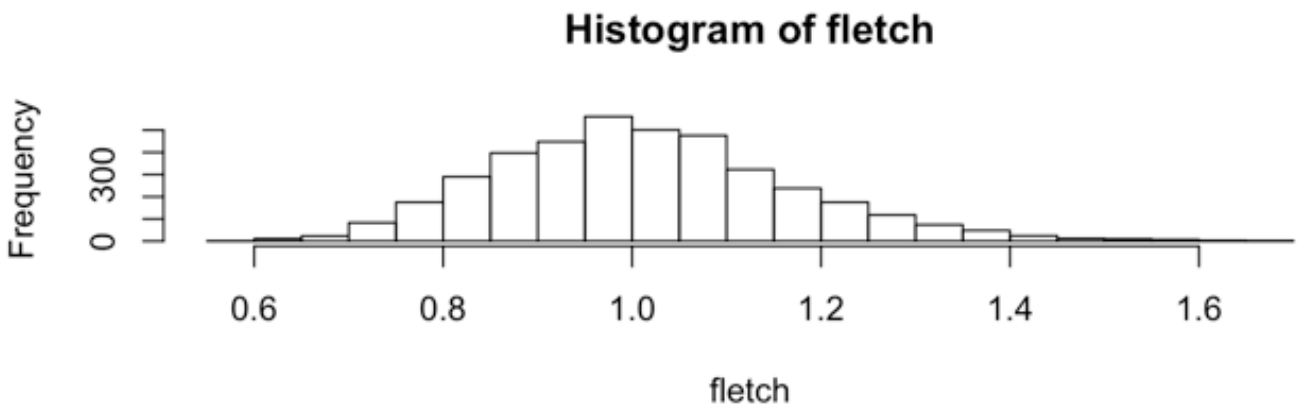


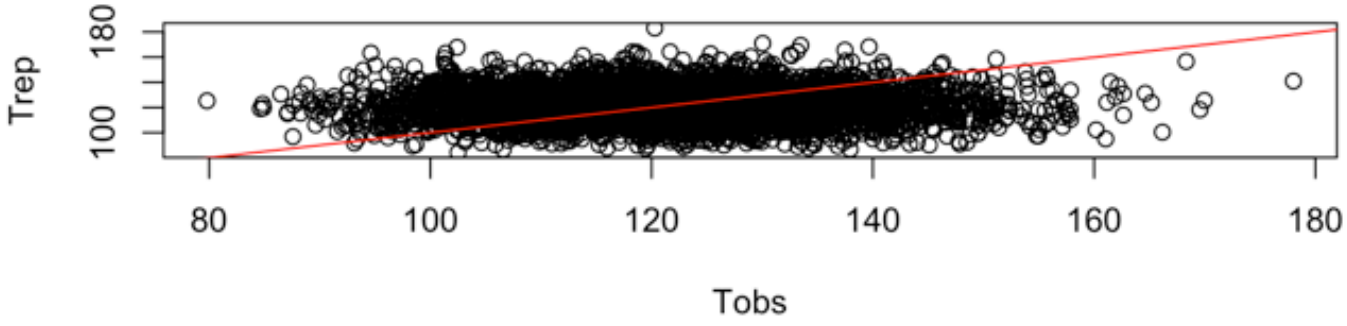




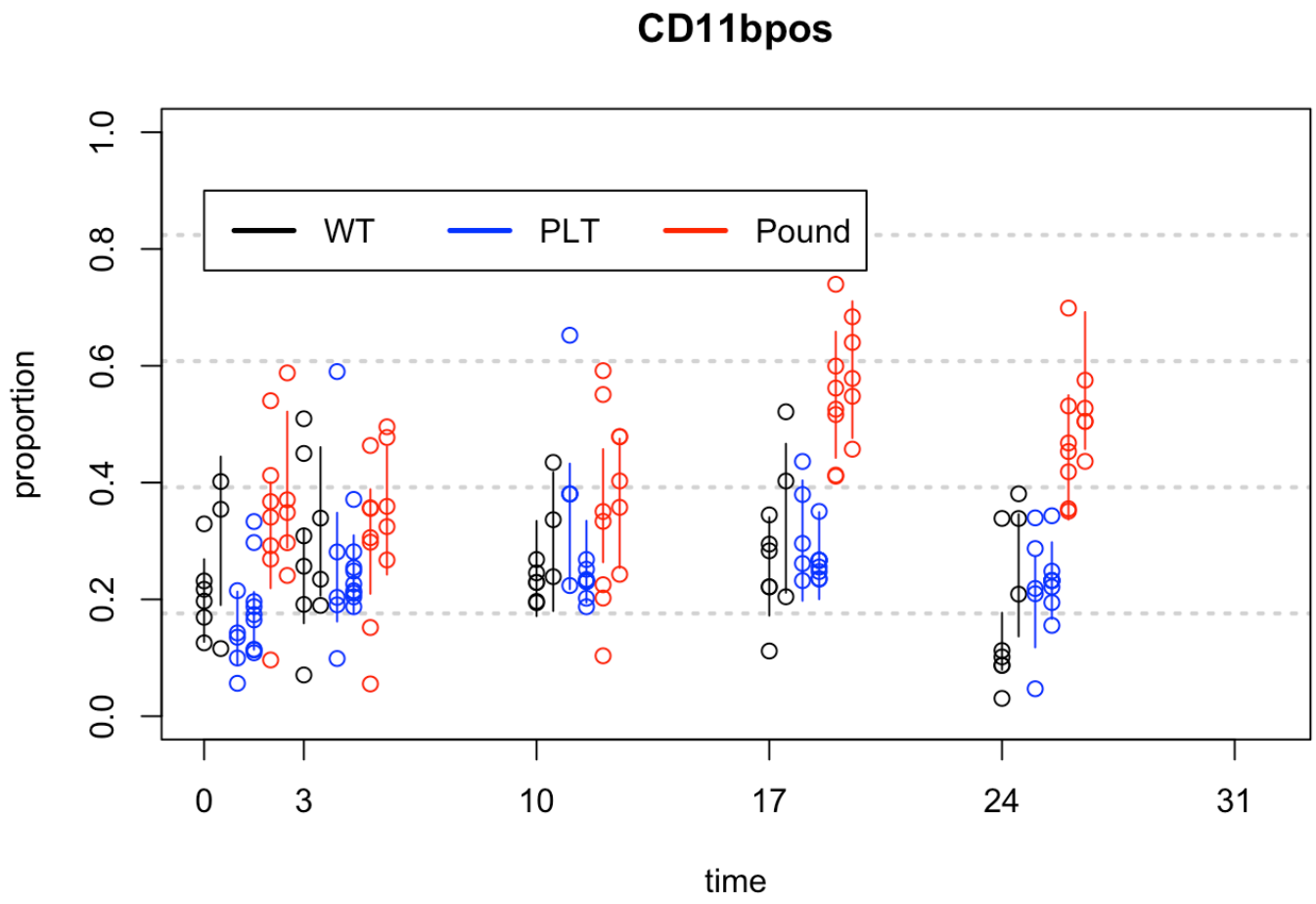
3 “CD11bpos”

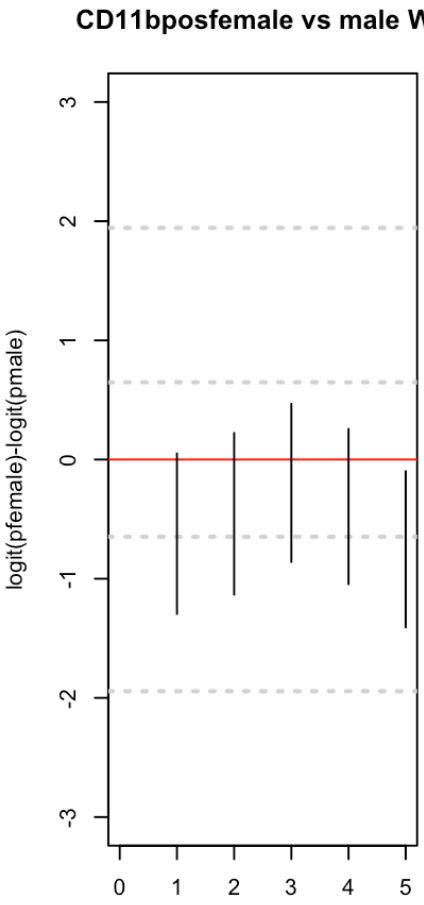
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```

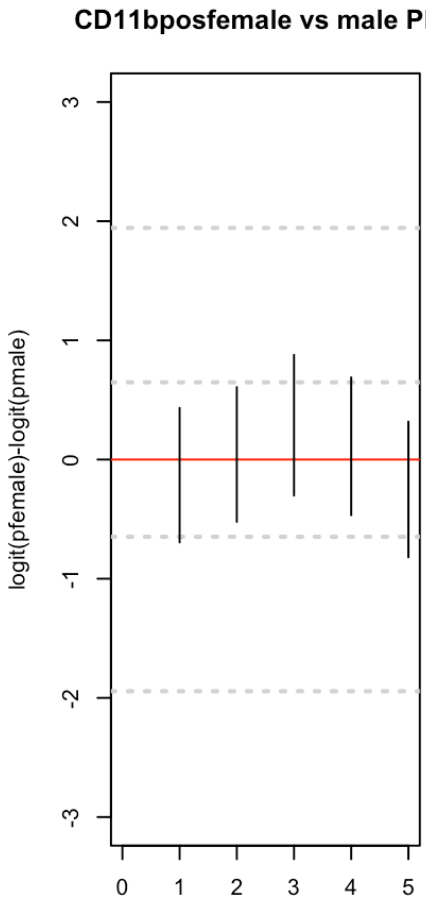


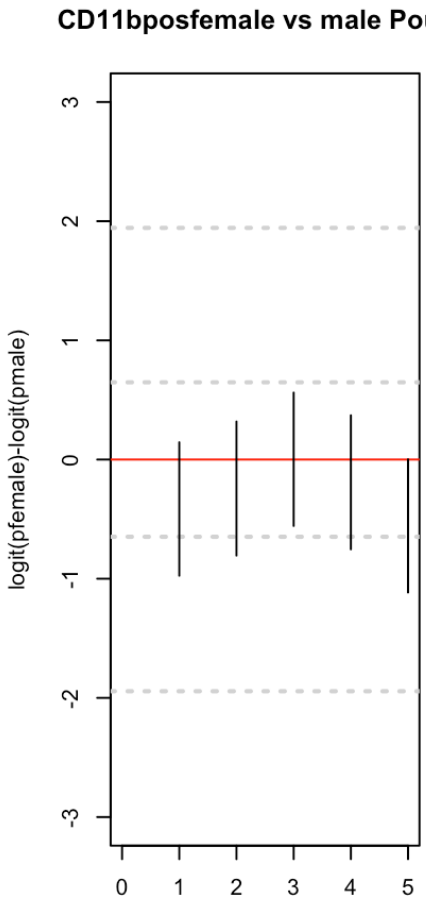



```
## [1] "got posteriors"
## [1] "DIC: 2285.7"
```

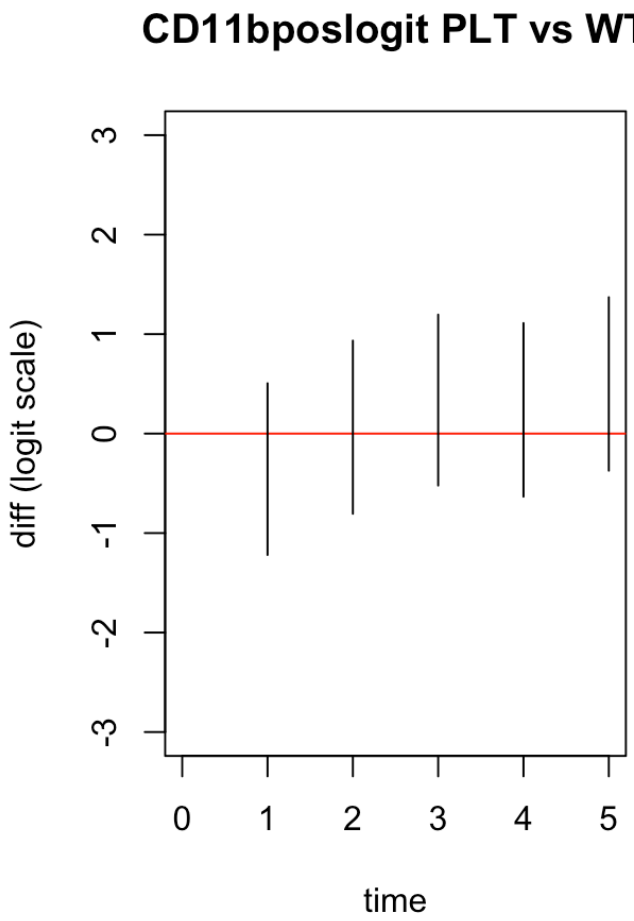

CD11bpos
WT
PLT
Pound
proportion
0.0
0.2
0.4
0.6
0.8
1.0
0
3
10
17
24
31
time

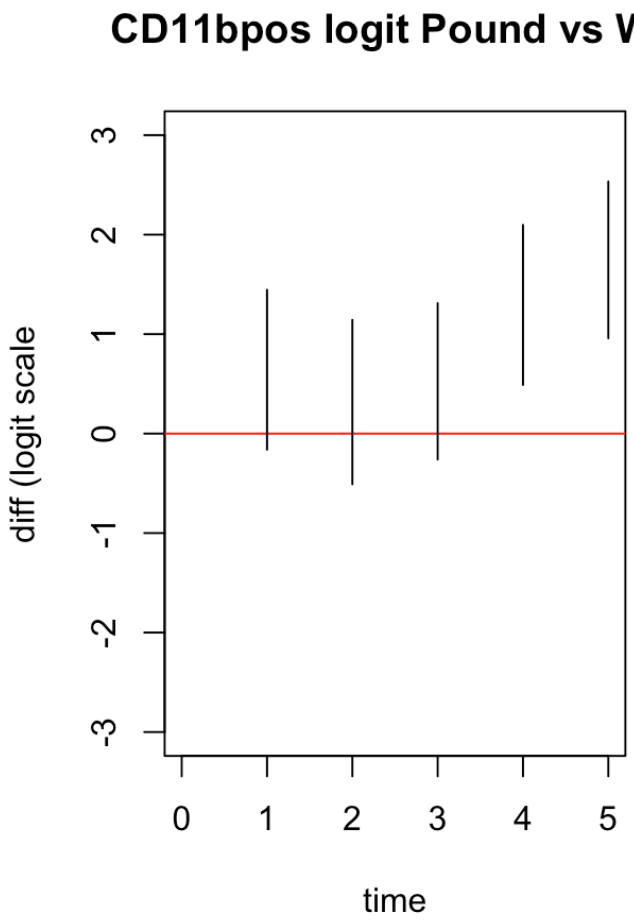

CD11bposfemale vs male WT
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

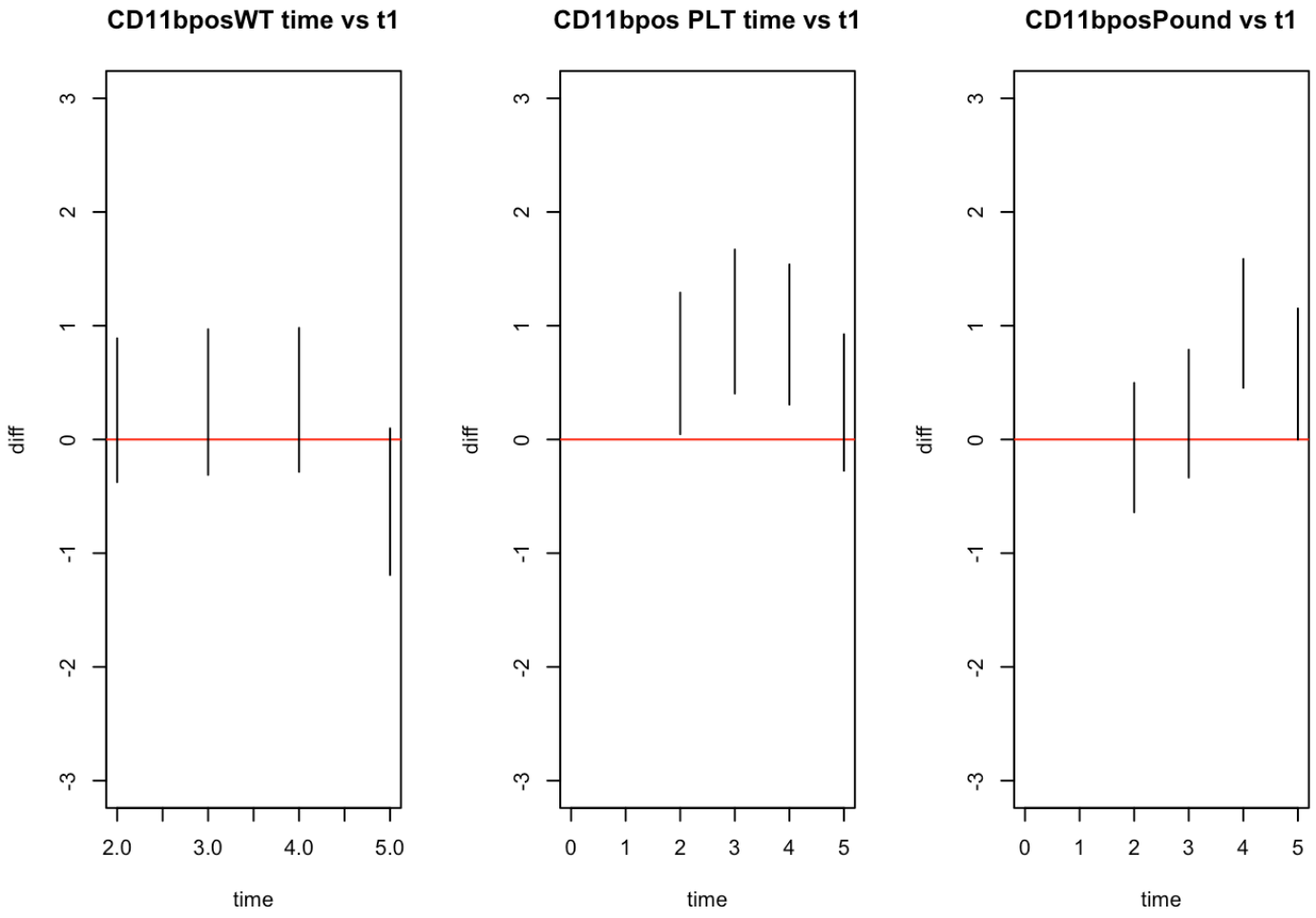

CD11bposfemale vs male PLT
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5


CD11bposfemale vs male Pound
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

time time time

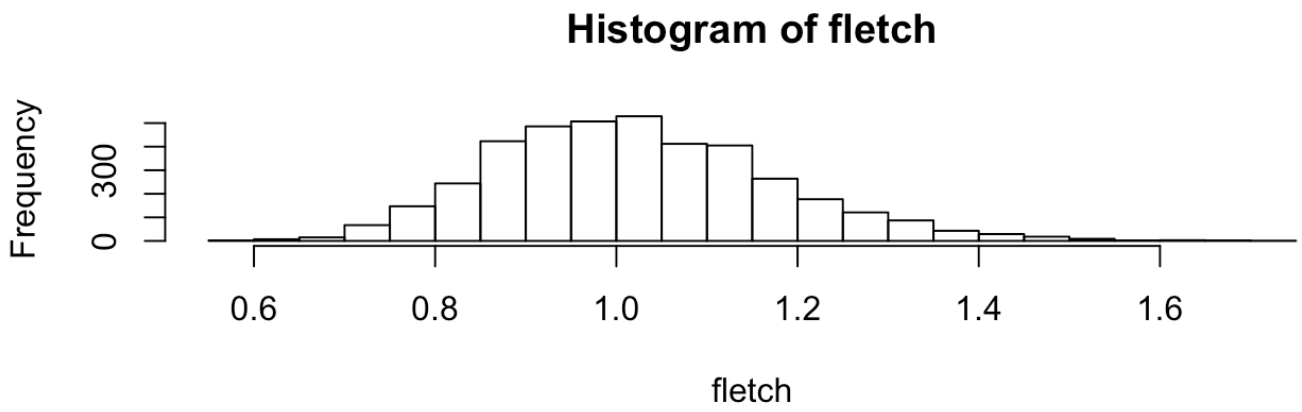


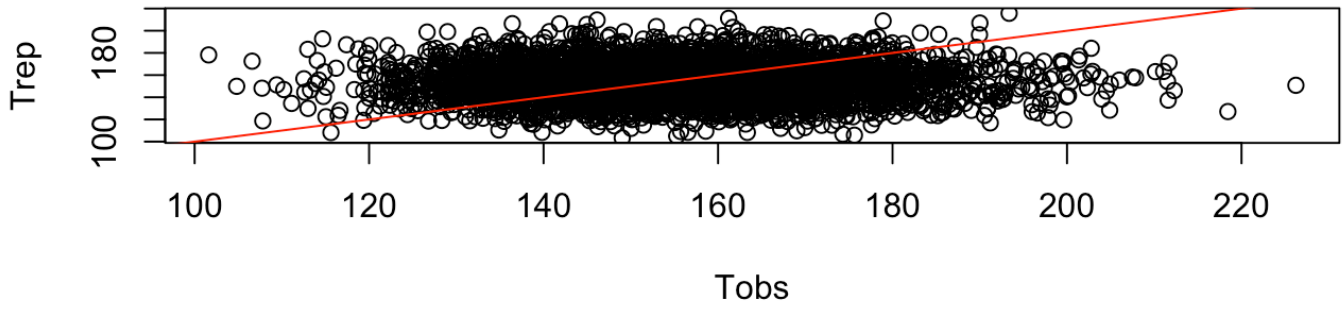




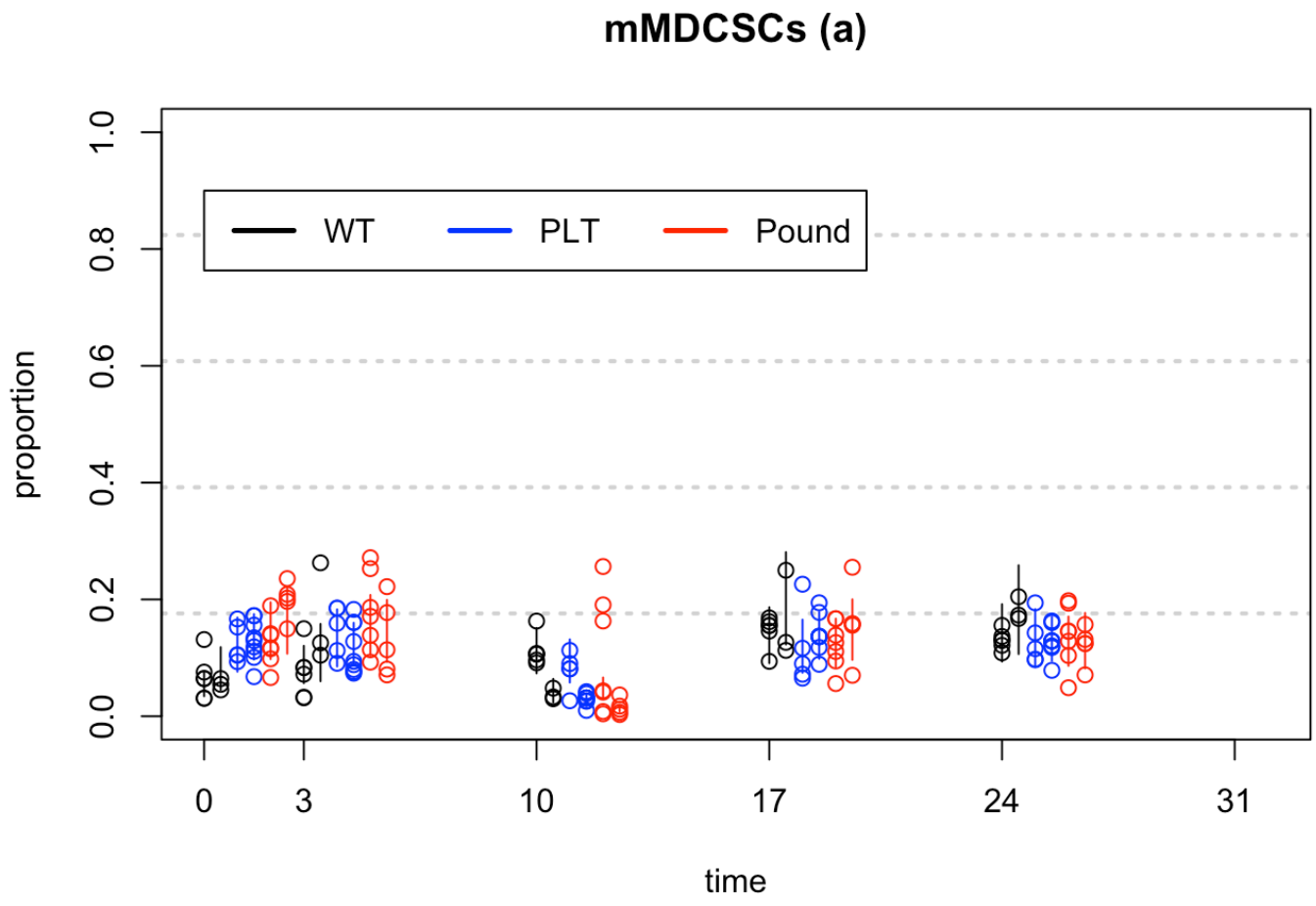
4A “mMDCSC as proportion of CD11bpos”

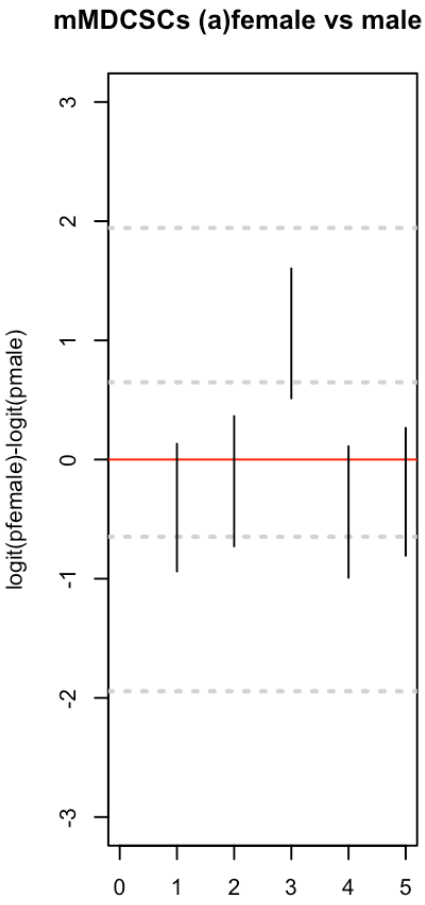
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```

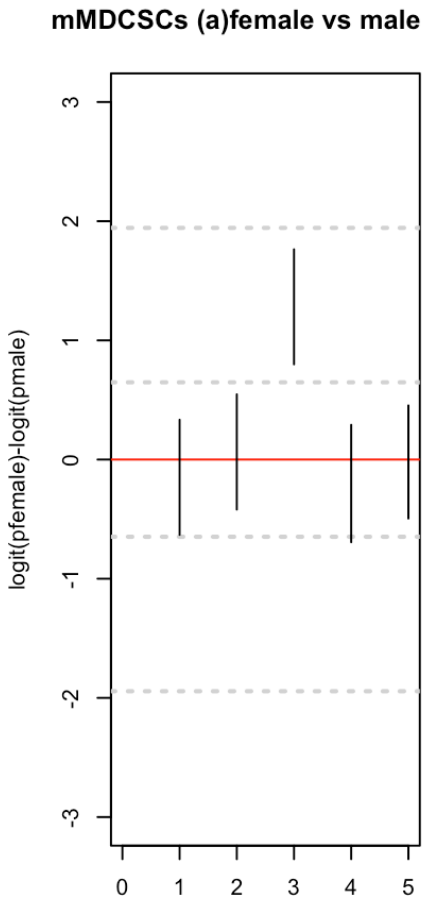


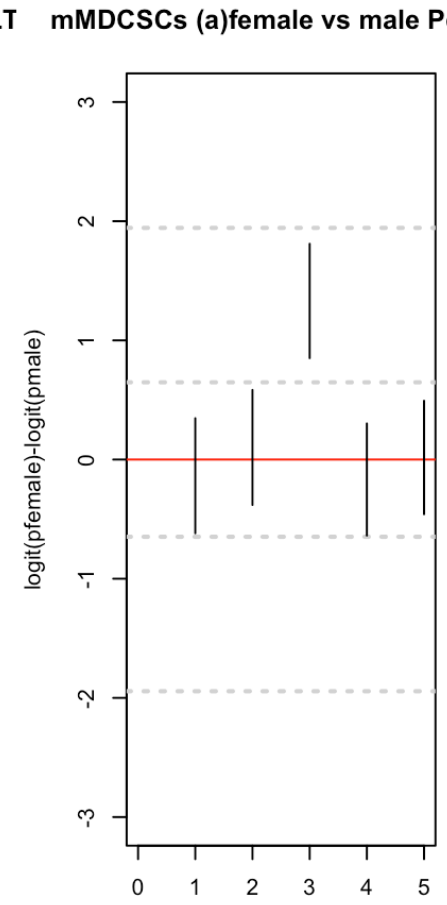



```
## [1] "got posteriors"
## [1] "DIC: 1921.78"
```

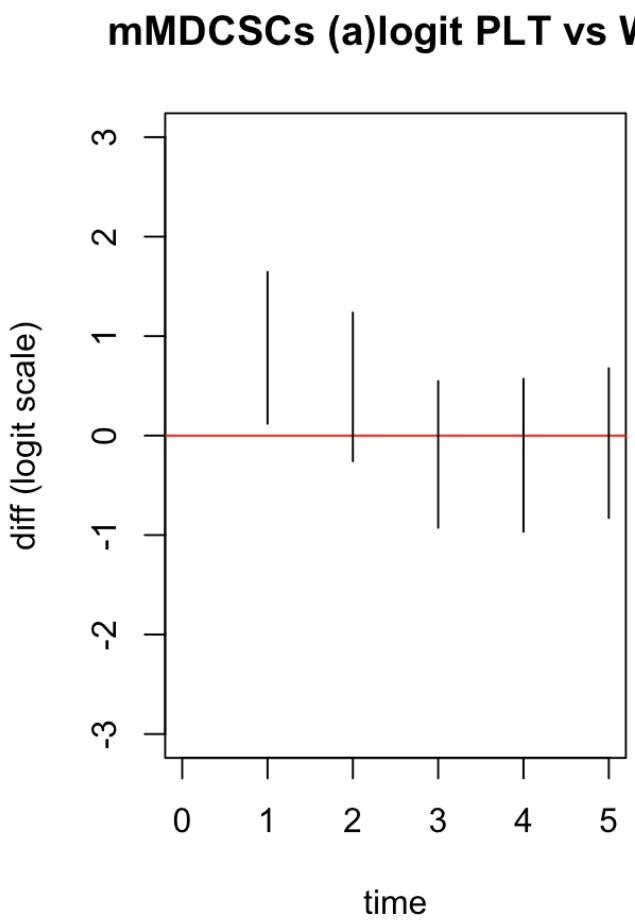

mMDCSCs (a)
WT
PLT
Pound
proportion
0.0
0.2
0.4
0.6
0.8
1.0
0
3
10
17
24
31
time

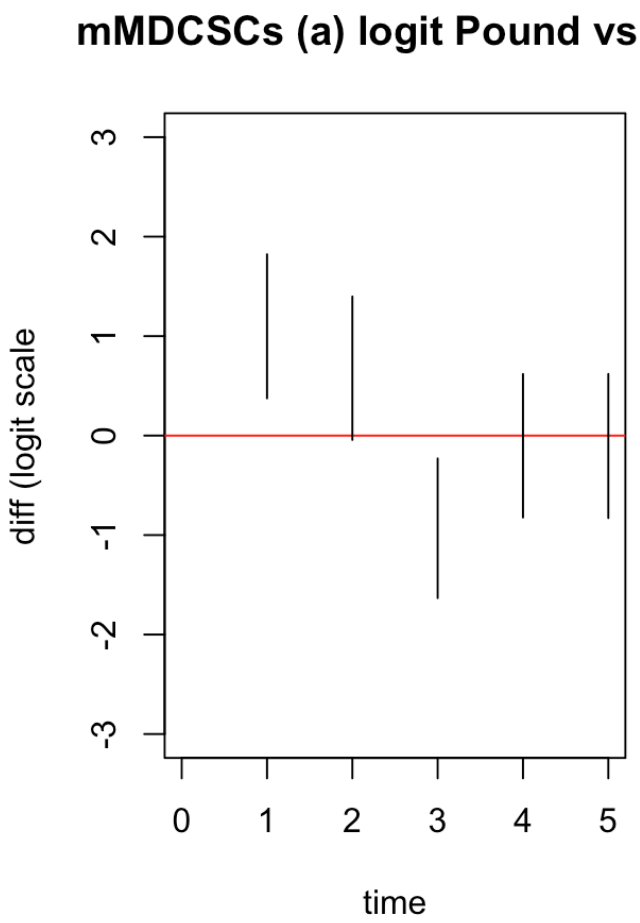

mMDCSCs (a)female vs male WT
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

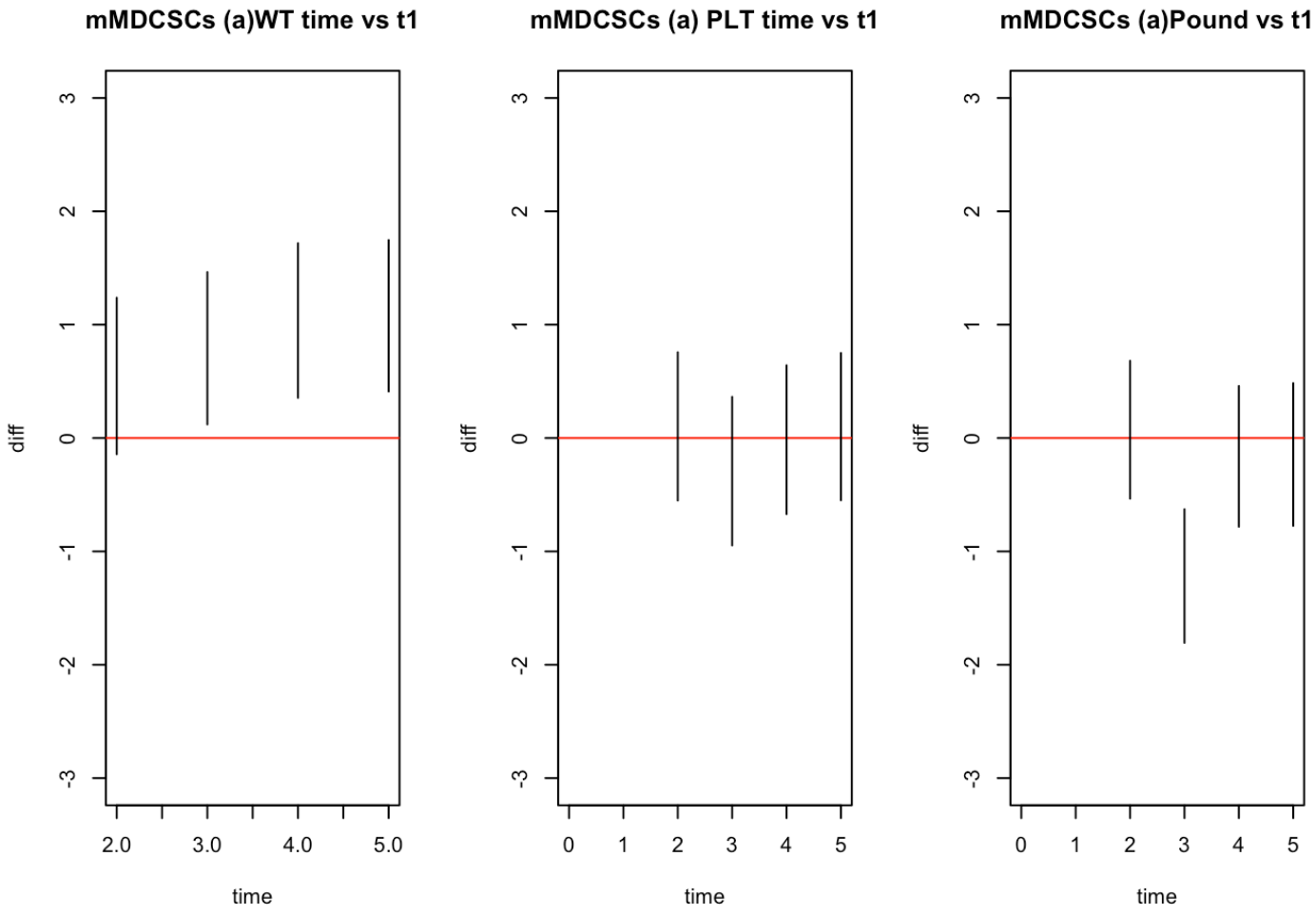

mMDCSCs (a)female vs male PLT
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5


mMDCSCs (a)female vs male Poun
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

time time time

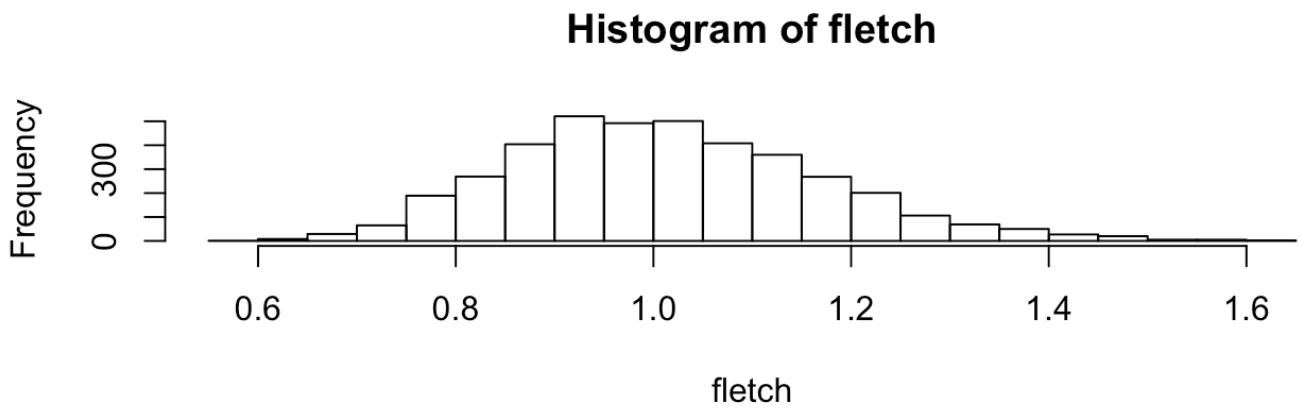


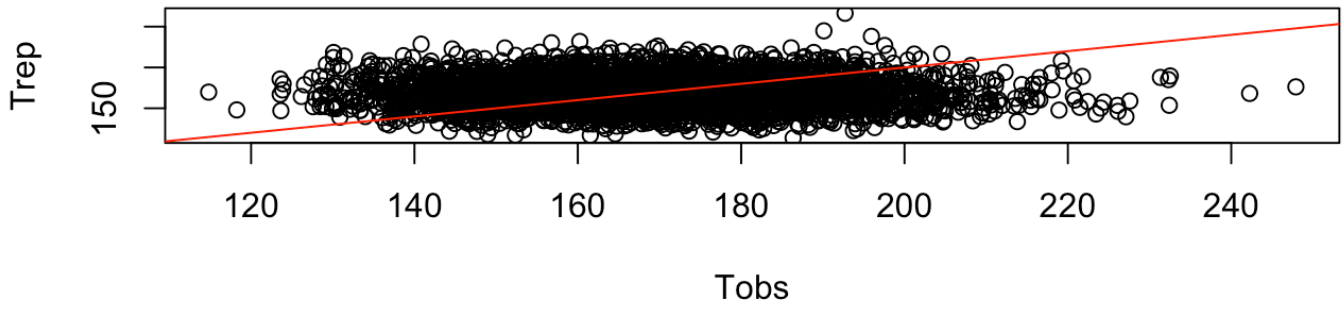




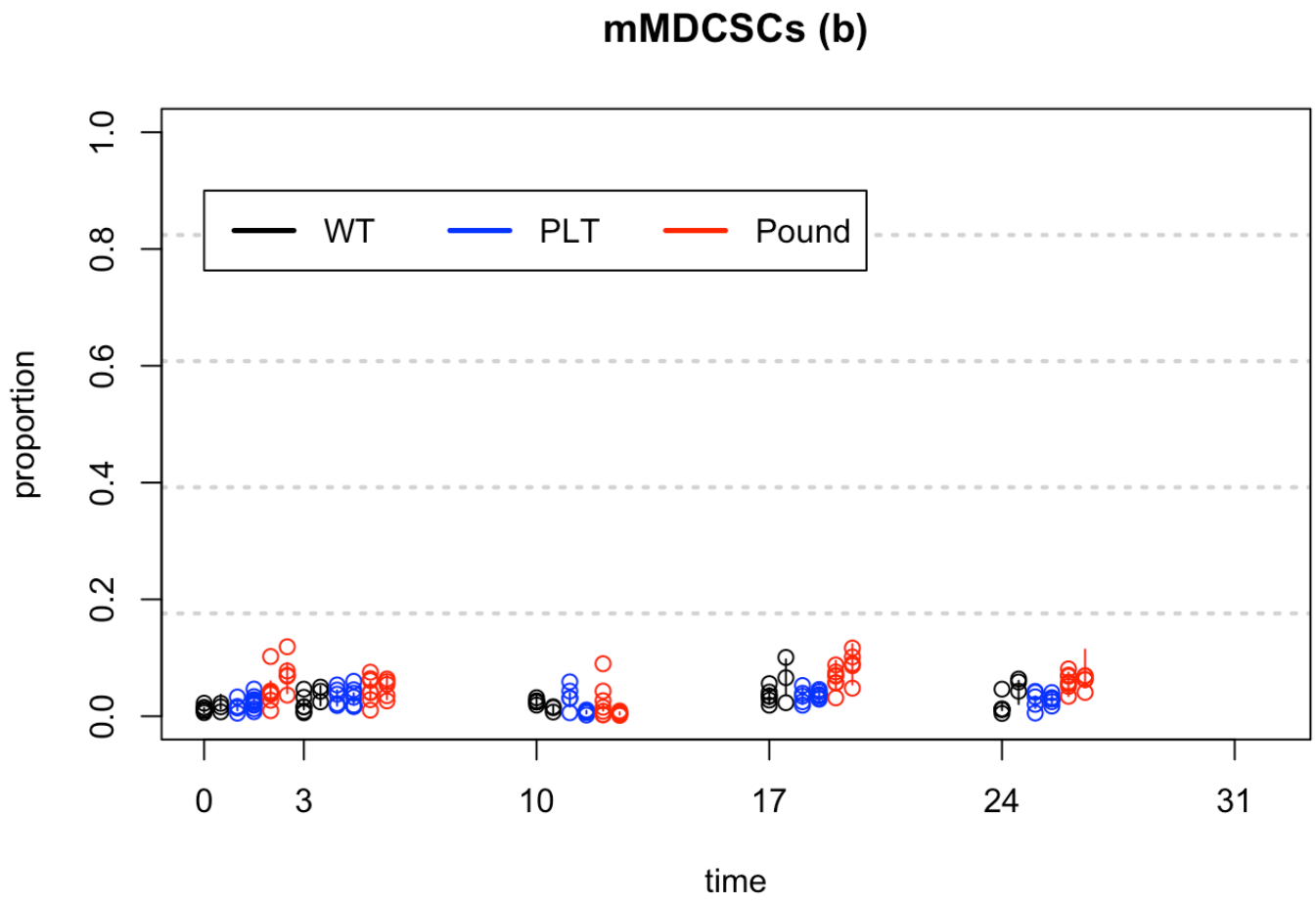
4B mMDCSC as proportion of live cells.

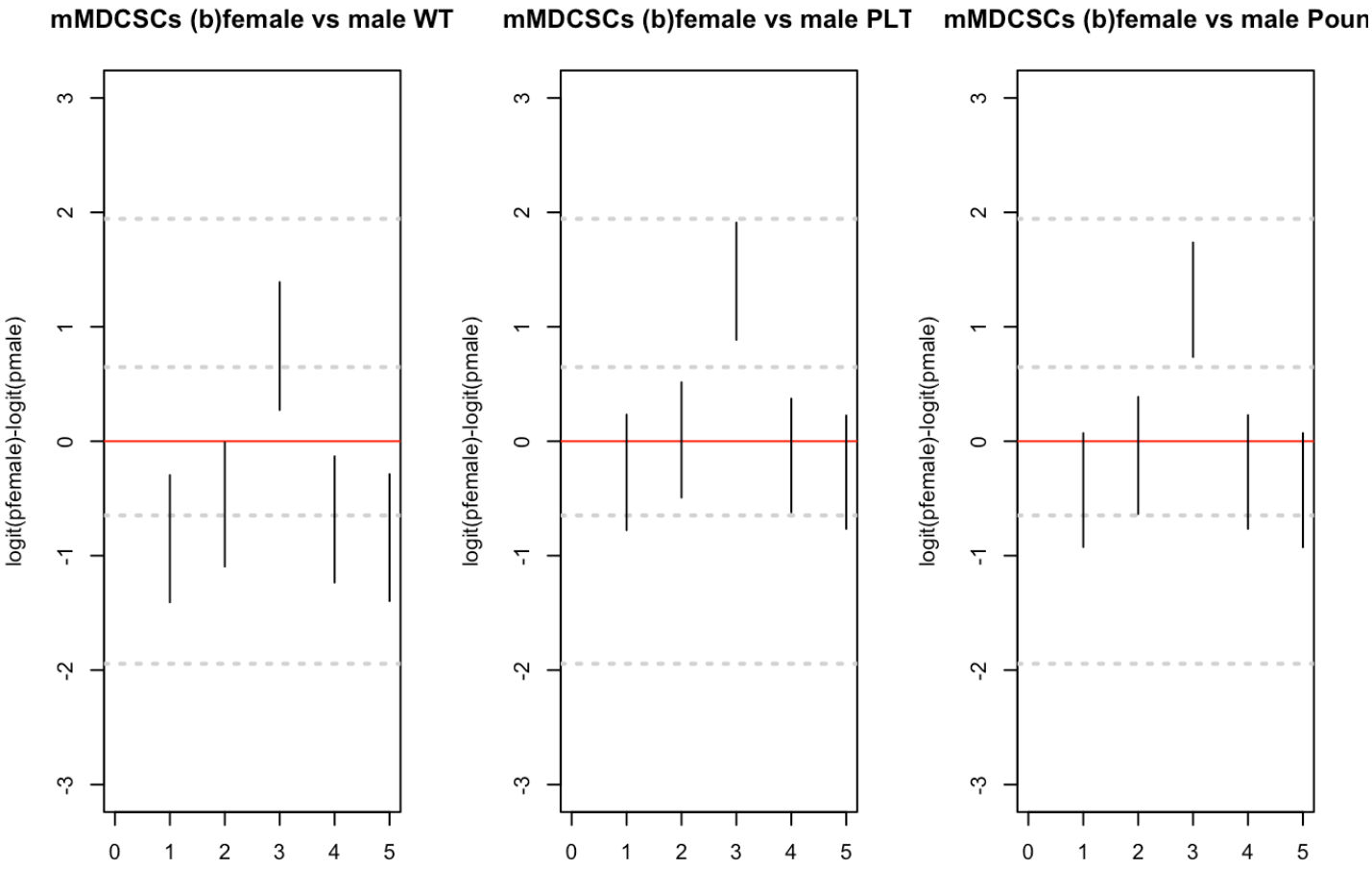
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```



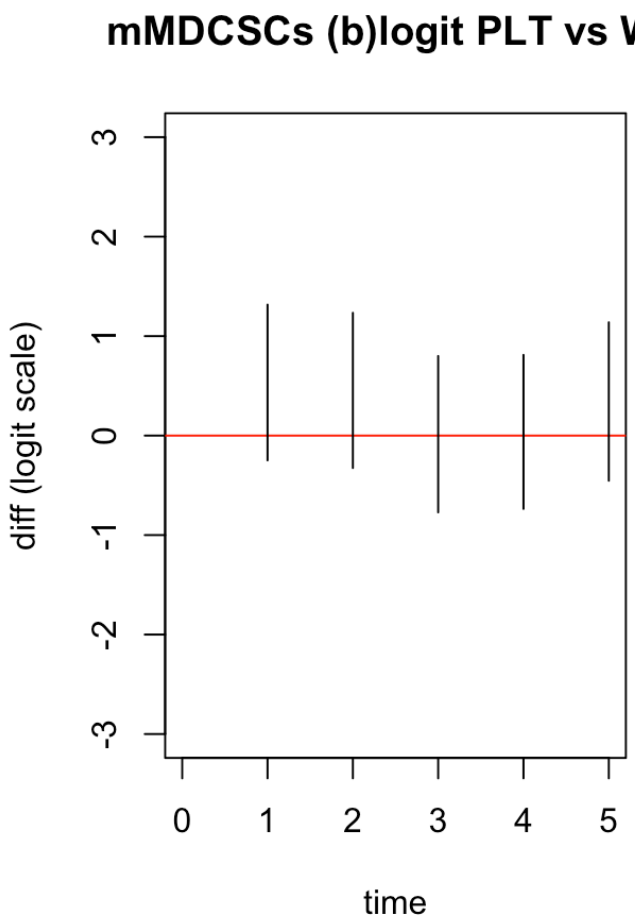


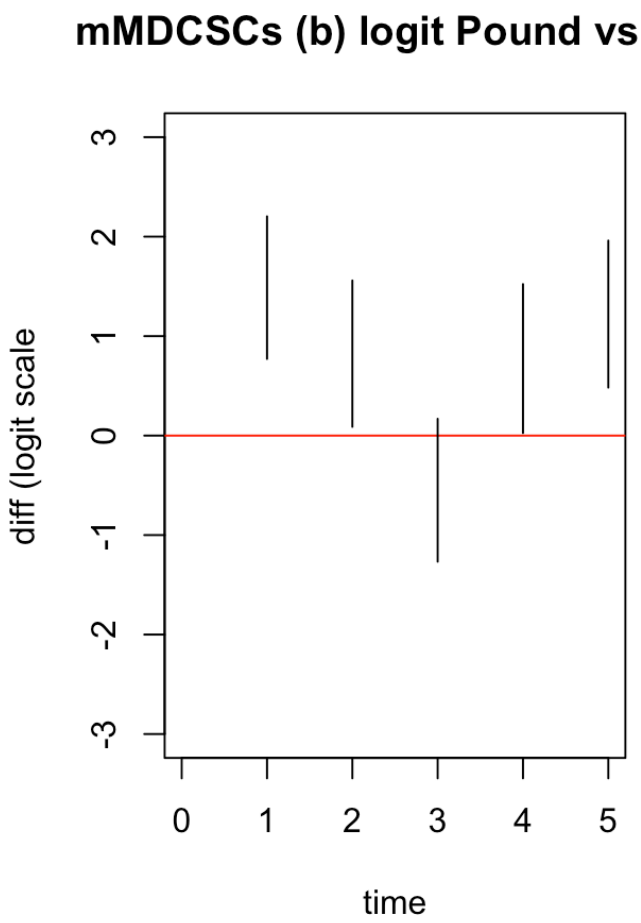

```
## [1] "got posteriors"
## [1] "DIC: 1930.97"
```

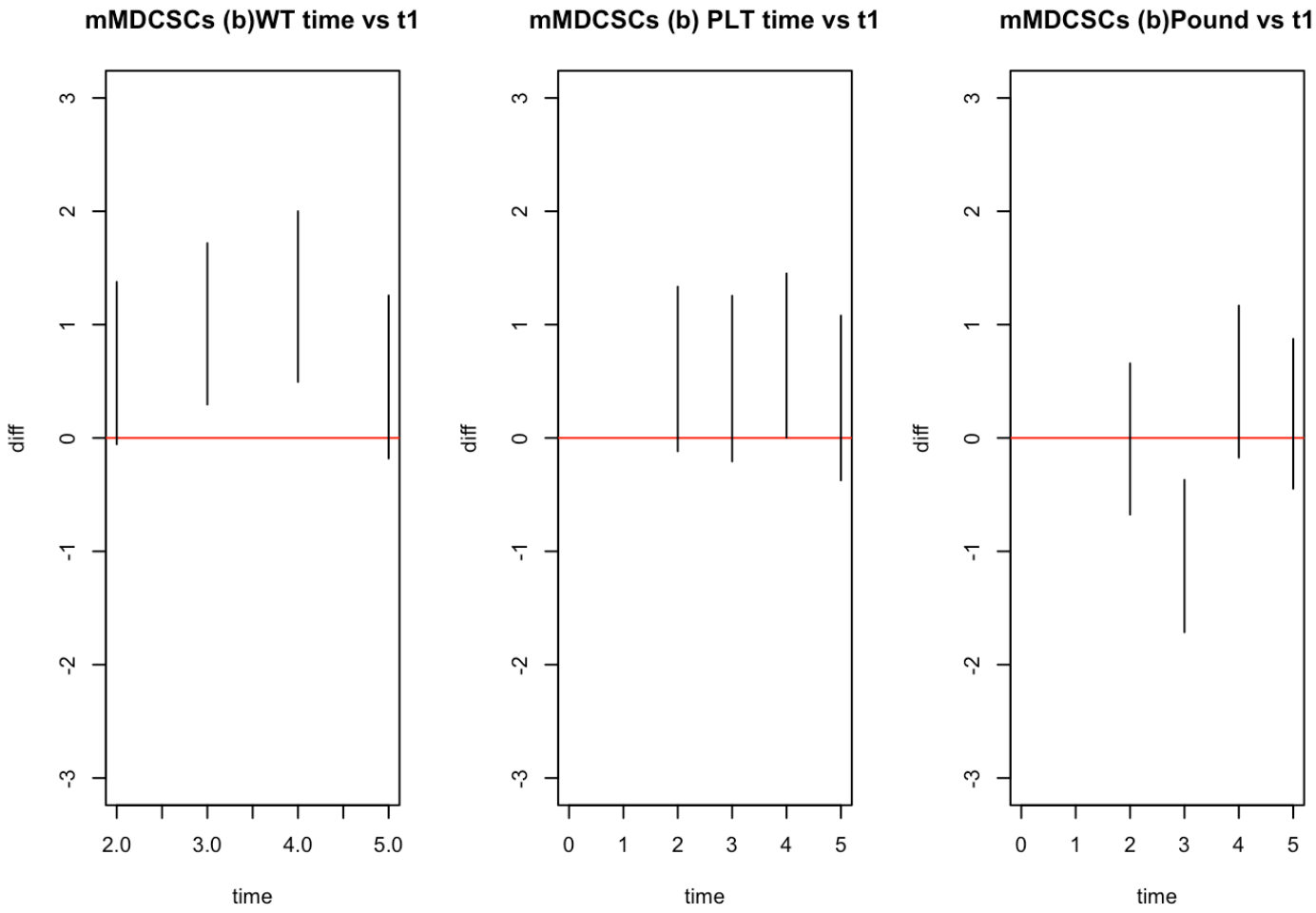

mMDCSCs (b)
WT
PLT
Pound
proportion
0.0
0.2
0.4
0.6
0.8
1.0
0
3
10
17
24
31
time


mMDCSCs (b)female vs male WT
mMDCSCs (b)female vs male PLT
mMDCSCs (b)female vs male Poun
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

time time time

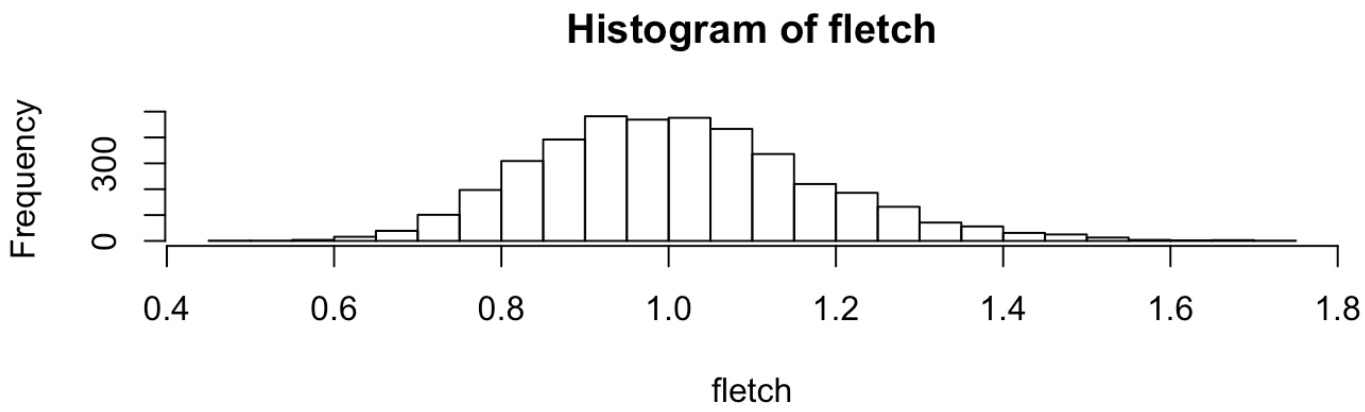


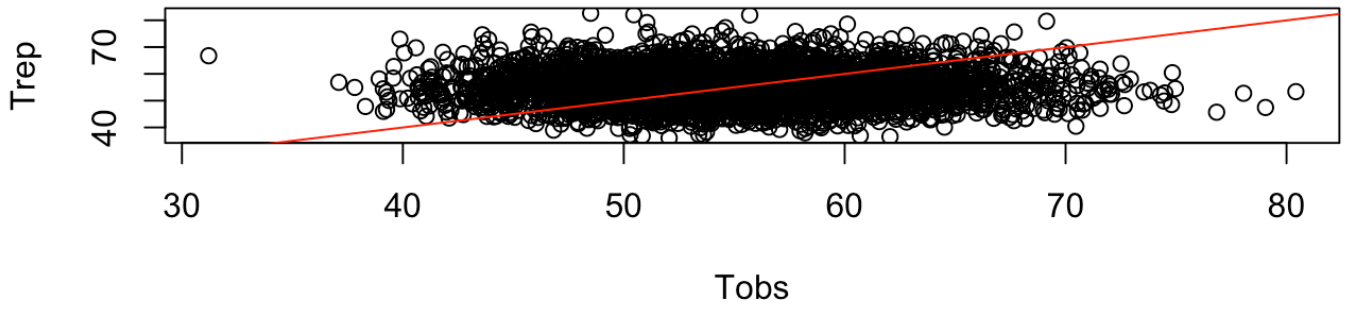




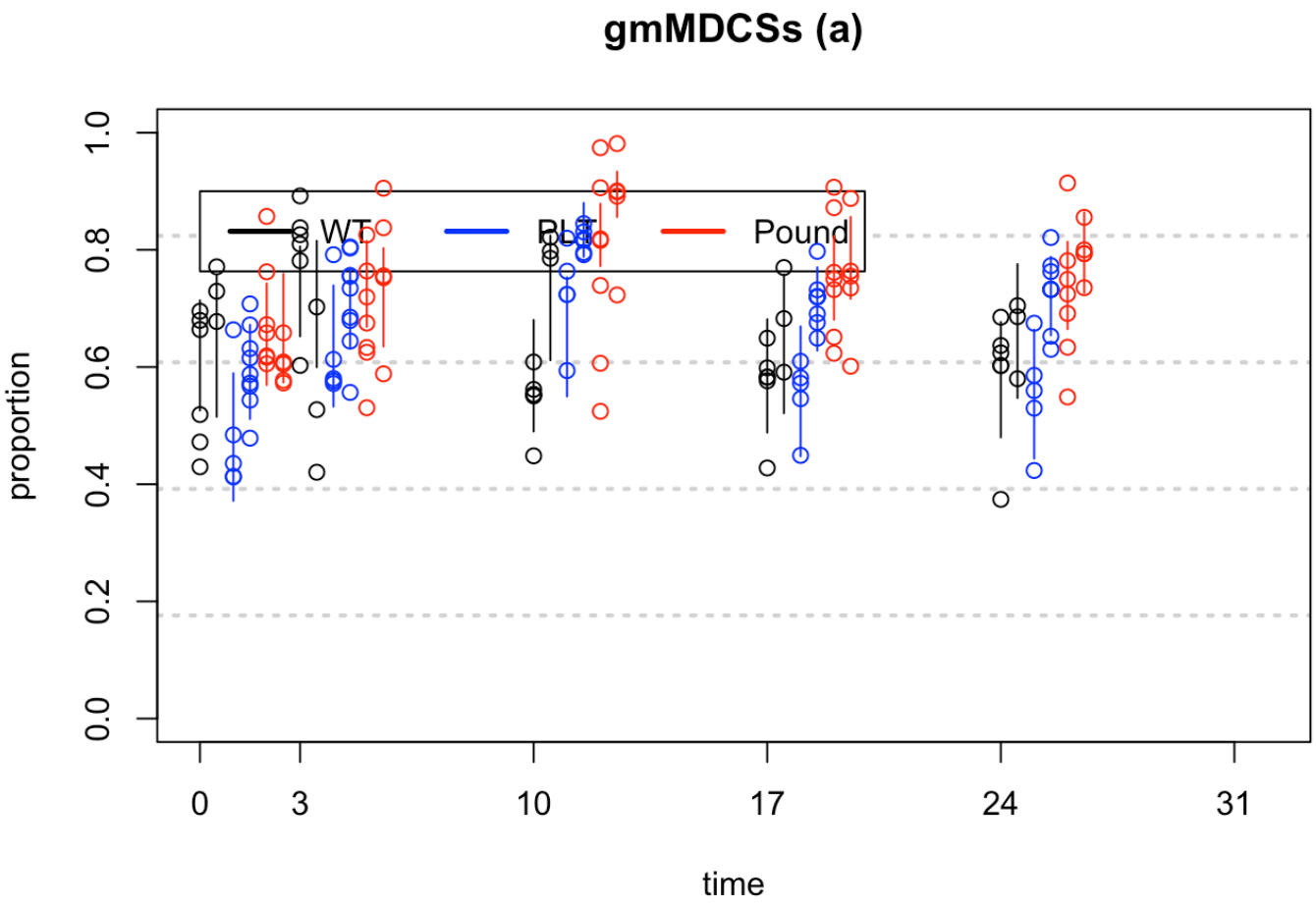
5a “gMDCSC (a) as proportion of CD11bpos”"

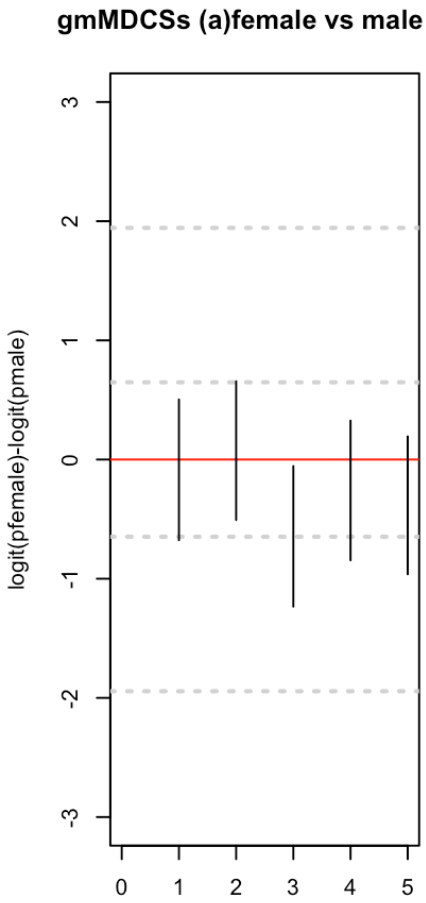
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```

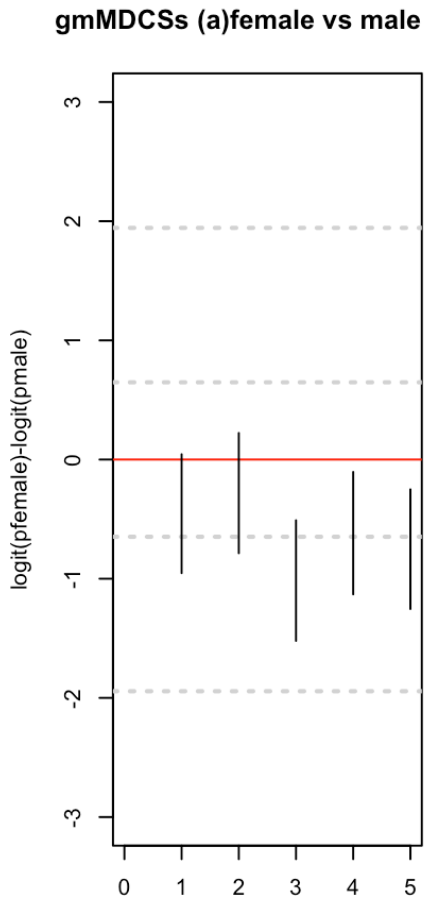


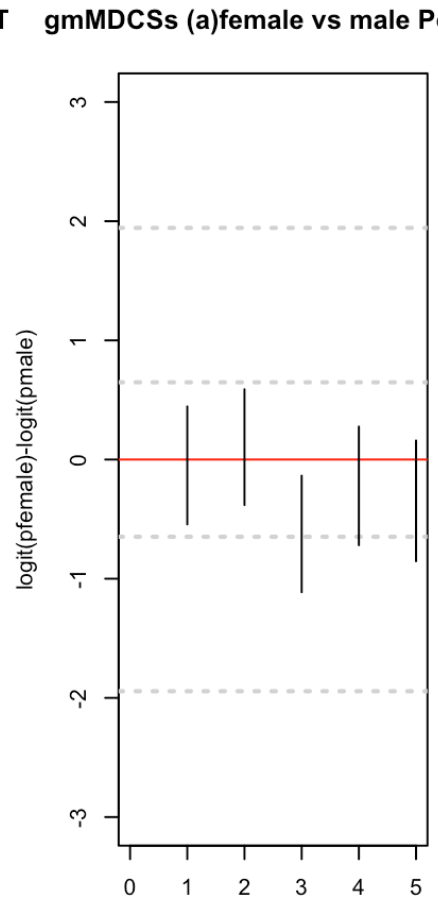



```
## [1] "got posteriors"
## [1] "DIC: 2066.66"
```

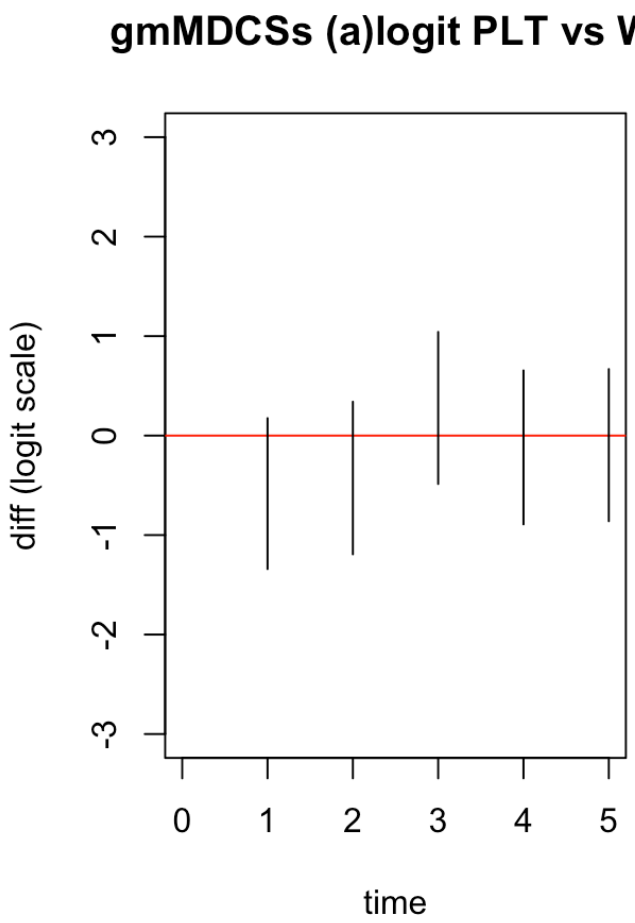

gmMDCSs (a)
proportion
0.0
0.2
0.4
0.6
0.8
1.0
WT
PLT
Pound
0
3
10
17
24
31
time

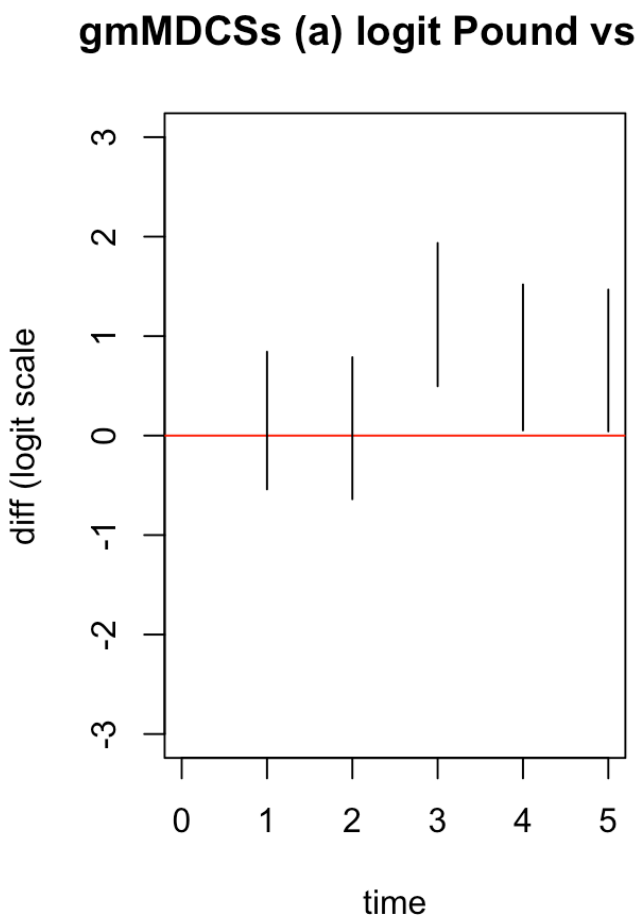

gmMDCSs (a)female vs male WT
logit(pfemale)-logit(pmale)
3
2
1
0
-1
-2
-3
0
1
2
3
4
5

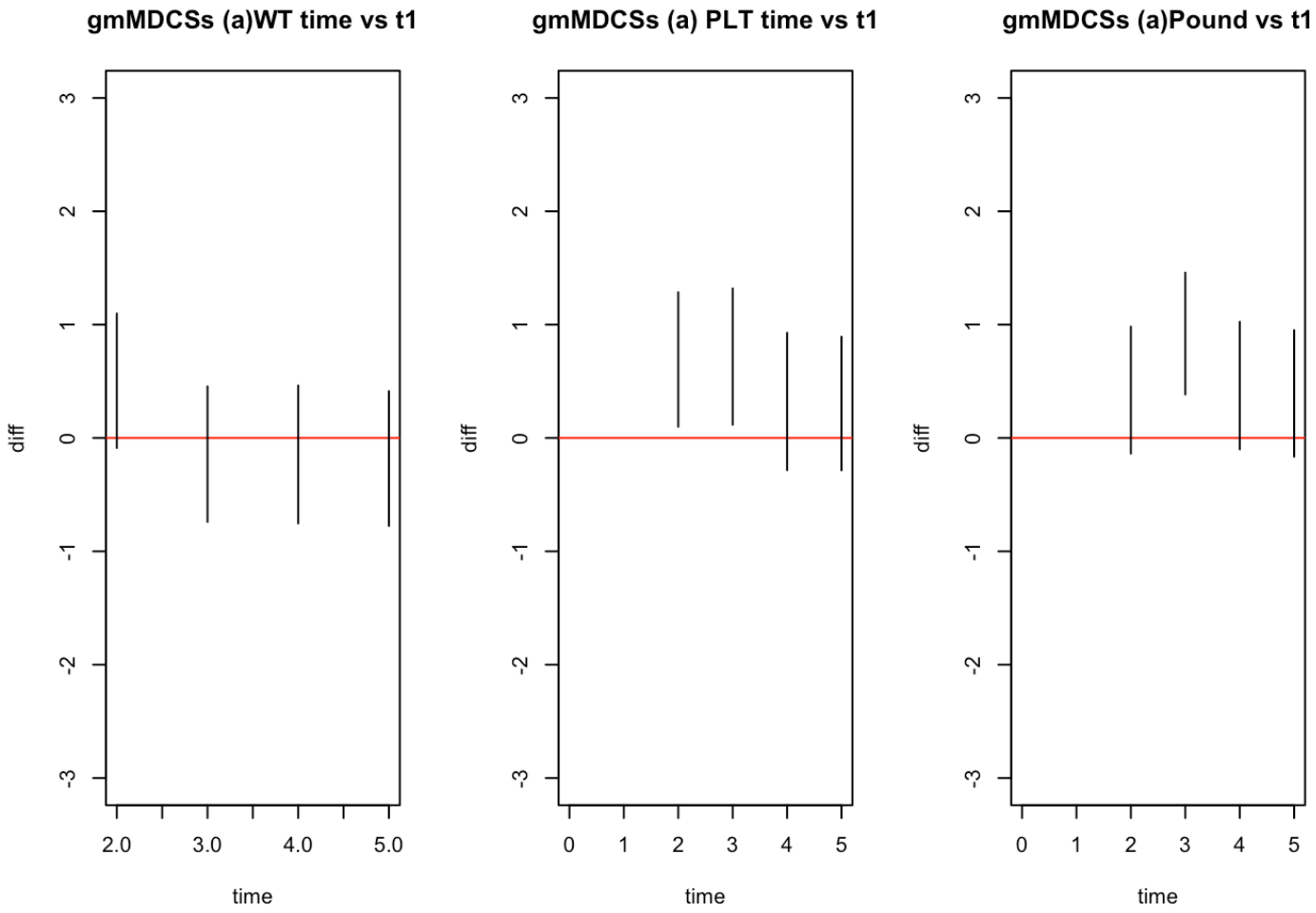

gmMDCSs (a)female vs male PLT
logit(pfemale)-logit(pmale)
3
2
1
0
-1
-2
-3
0
1
2
3
4
5


gmMDCSs (a)female vs male Poun
logit(pfemale)-logit(pmale)
3
2
1
0
-1
-2
-3
0
1
2
3
4
5

time time time

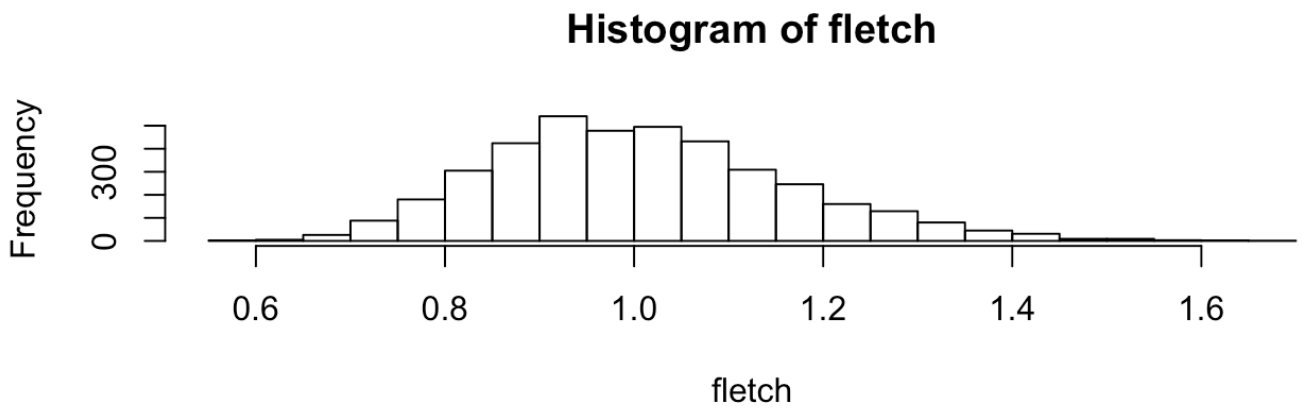


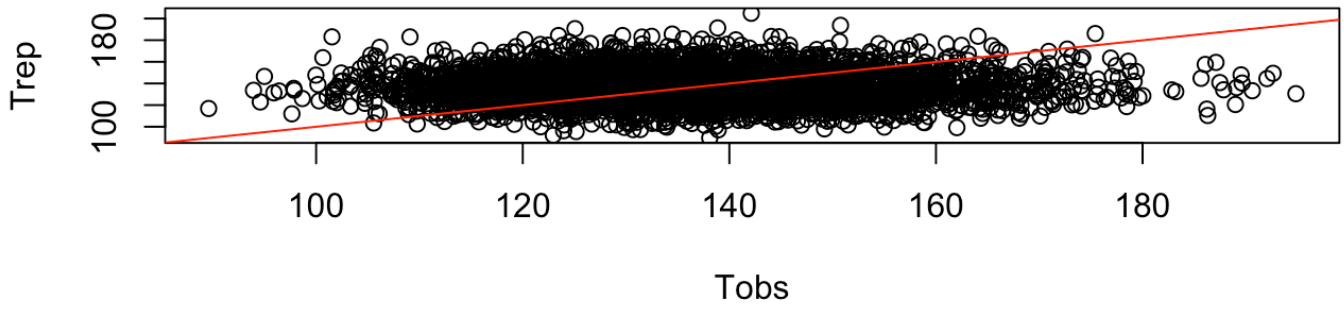




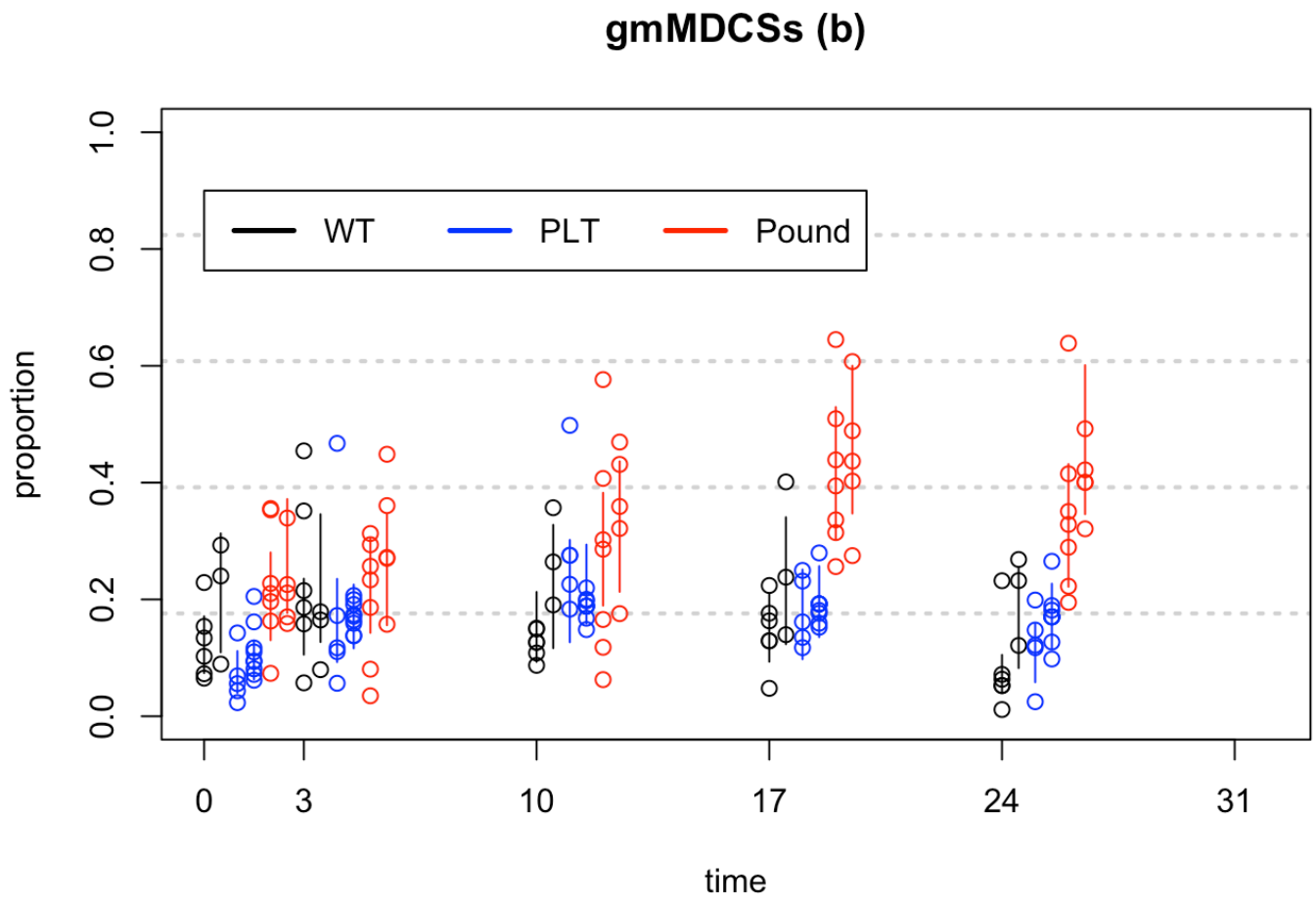
5b gmMDCSC (b) as proportion of live cells.

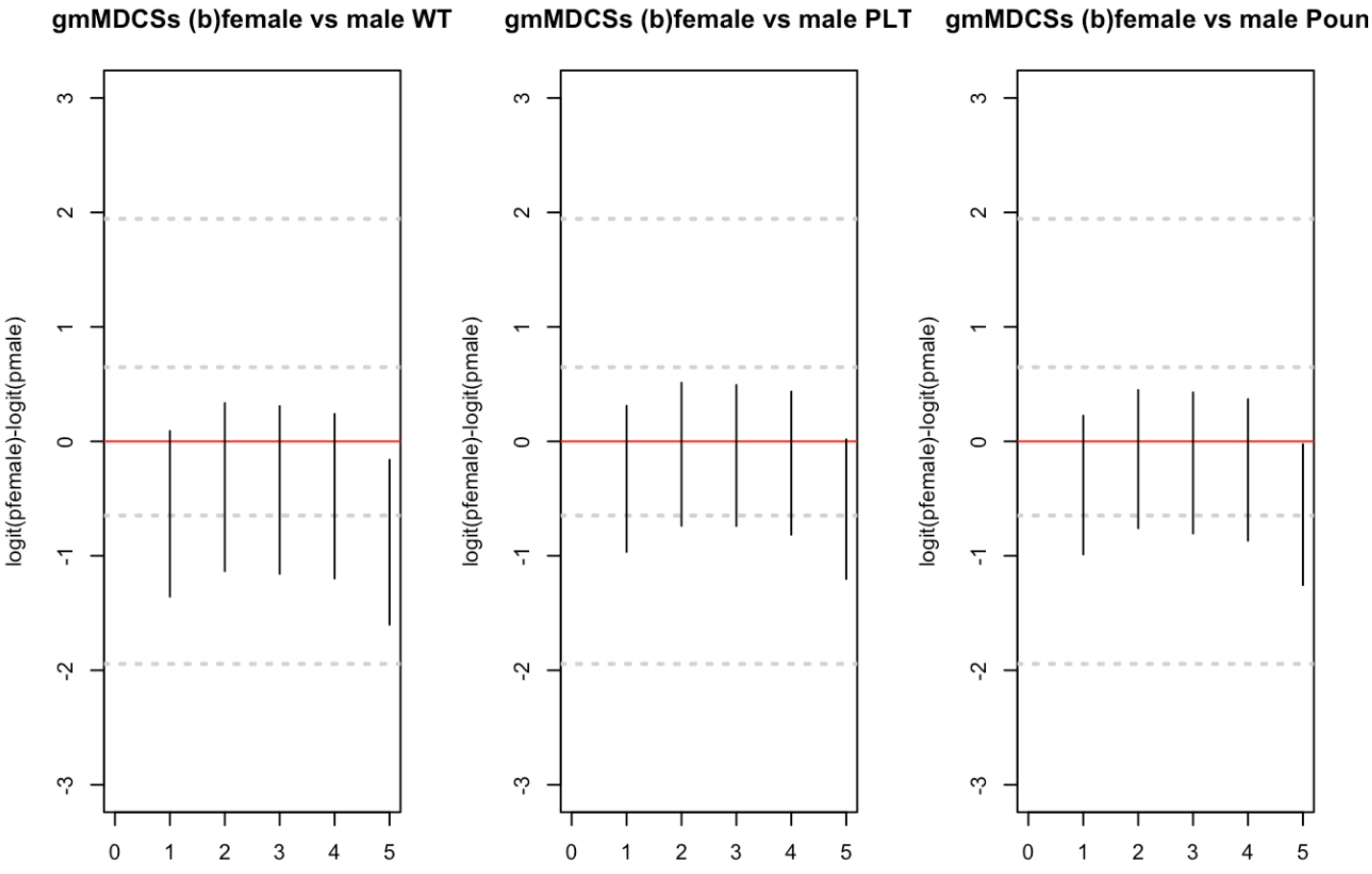
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```



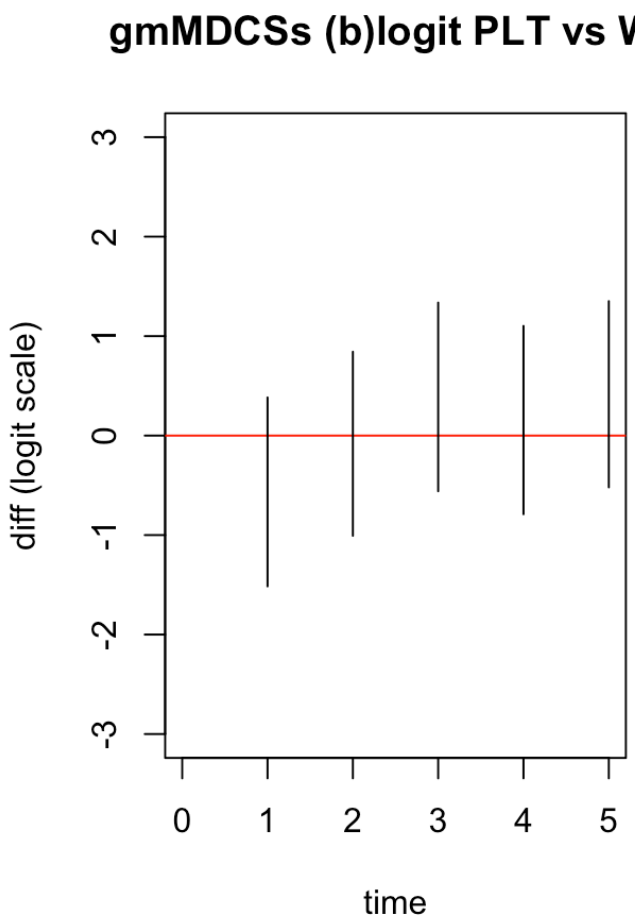


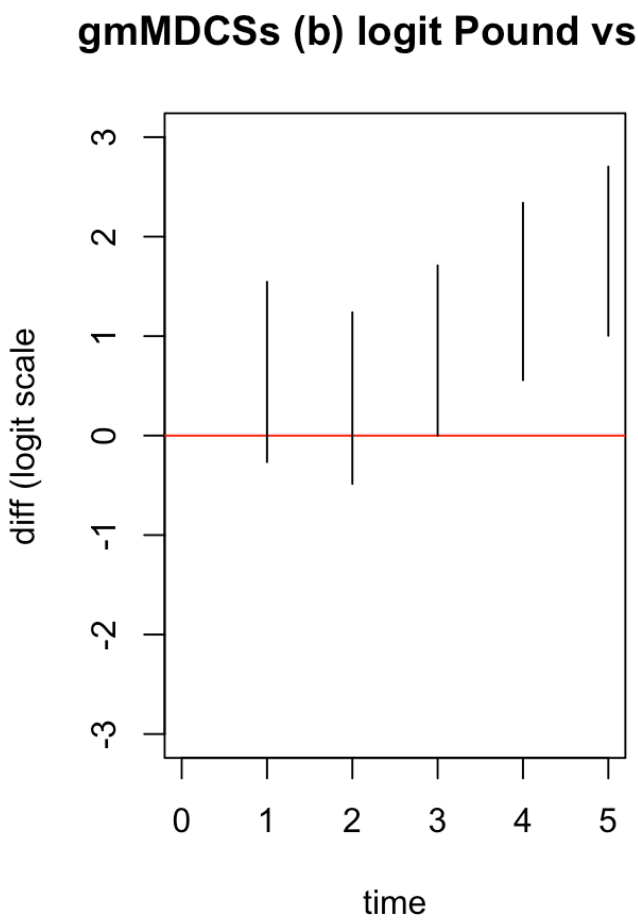

```
## [1] "got posteriors"
## [1] "DIC: 2243.9"
```

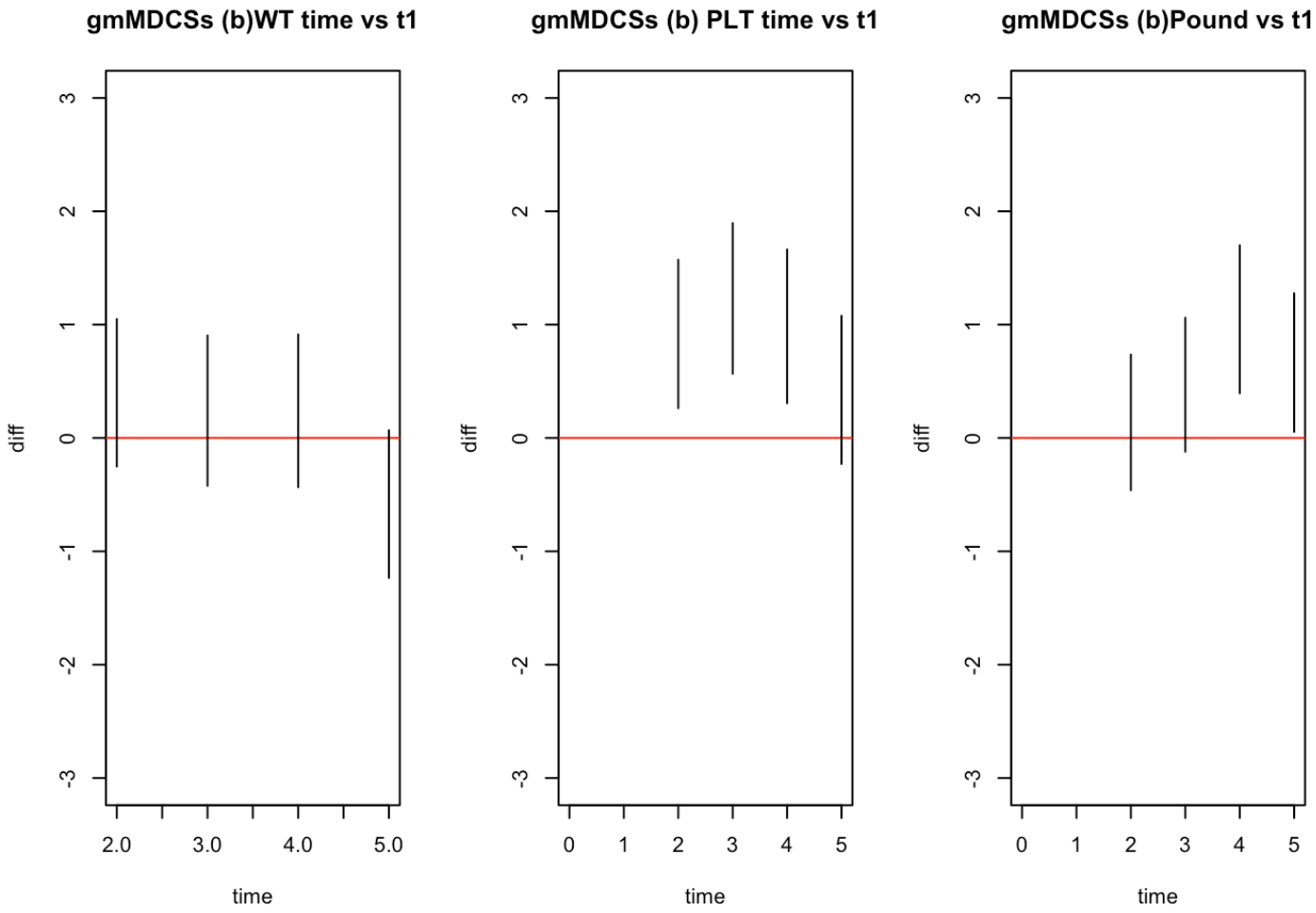

gmMDCSs (b)
WT
PLT
Pound
proportion
0.0
0.2
0.4
0.6
0.8
1.0
0
3
10
17
24
31
time


gmMDCSs (b)female vs male WT
gmMDCSs (b)female vs male PLT
gmMDCSs (b)female vs male Poun
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

time time time

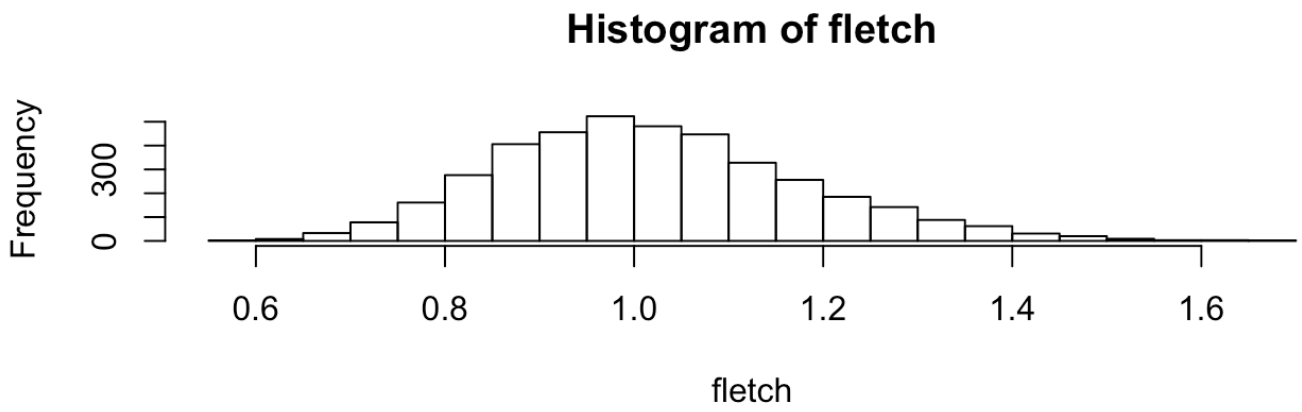


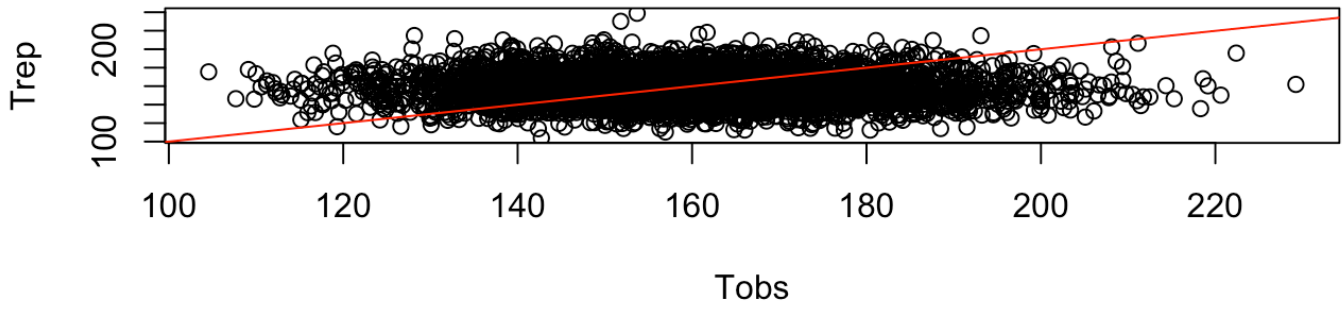




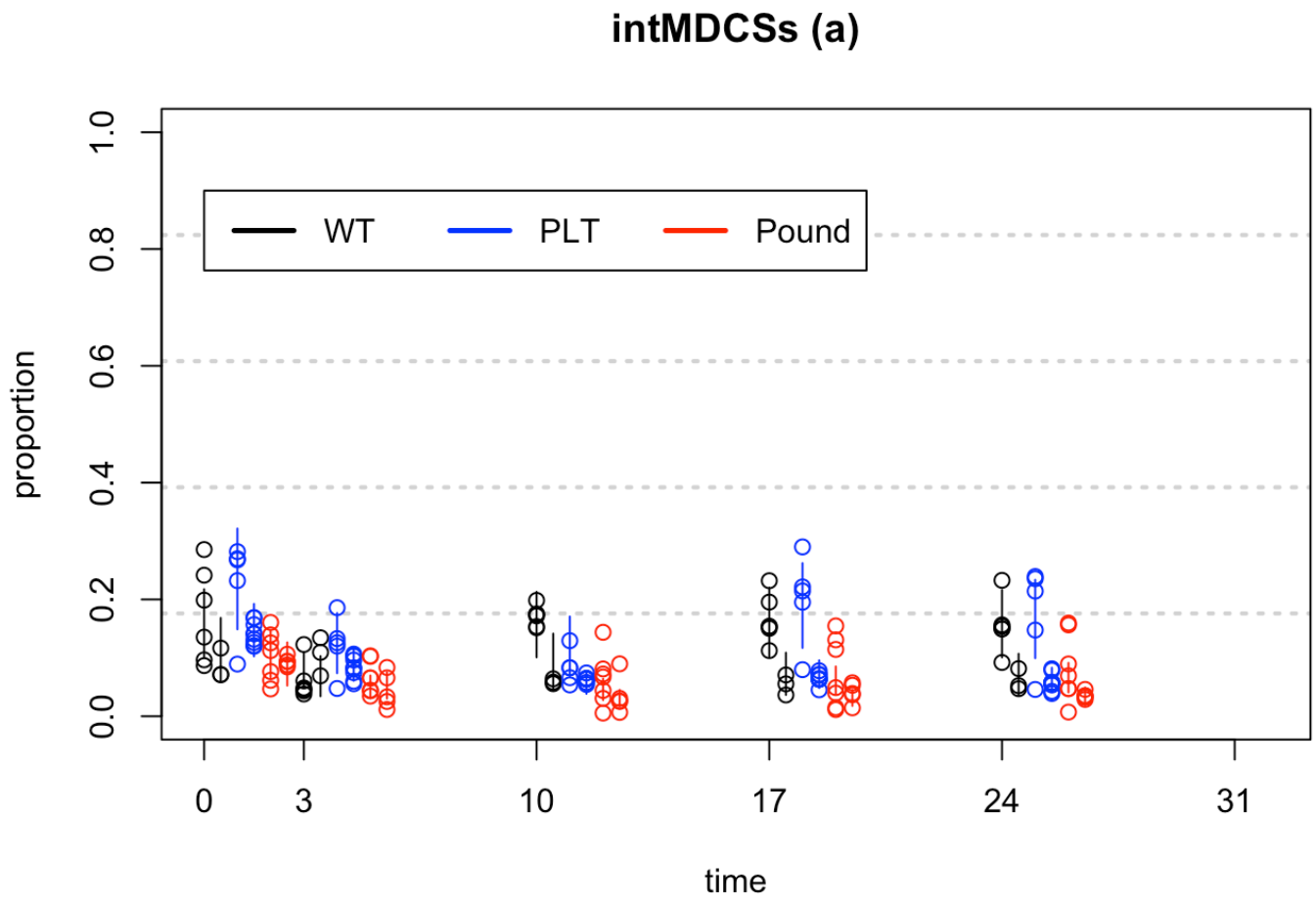
6a intMDCSC as proportion of CD11bpos

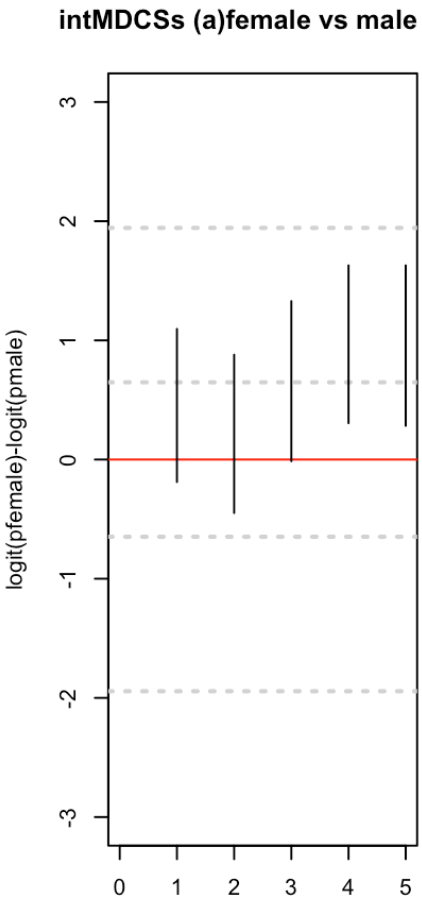
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```

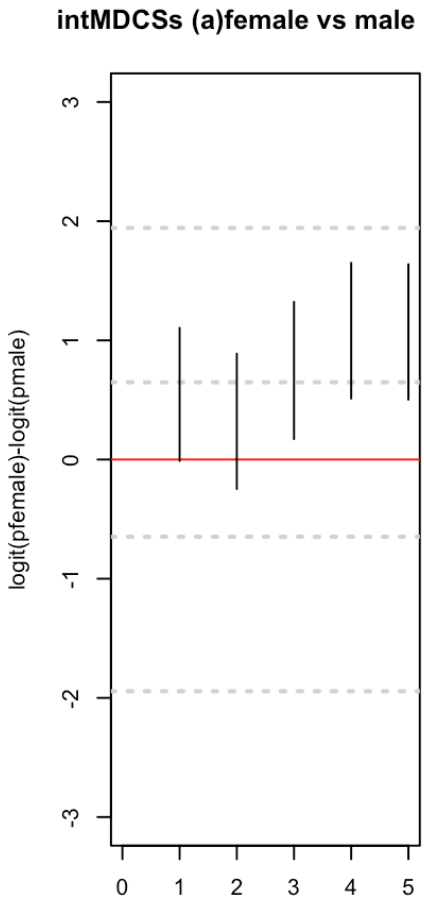


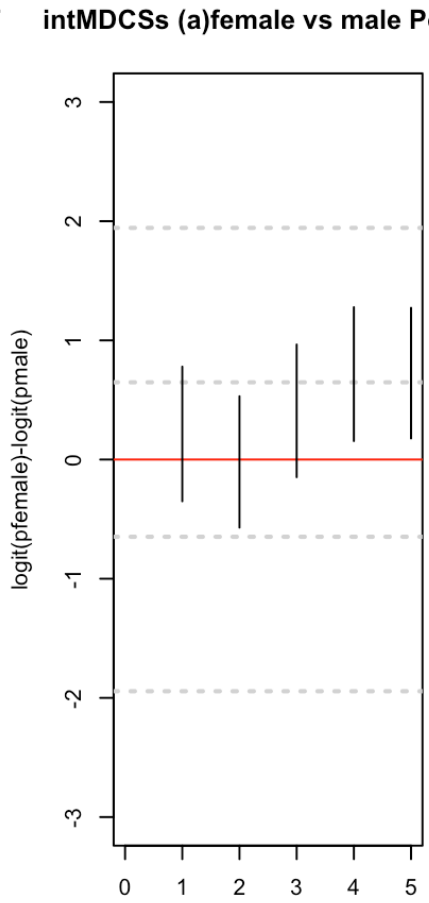



```
## [1] "got posteriors"
## [1] "DIC: 1907.03"
```

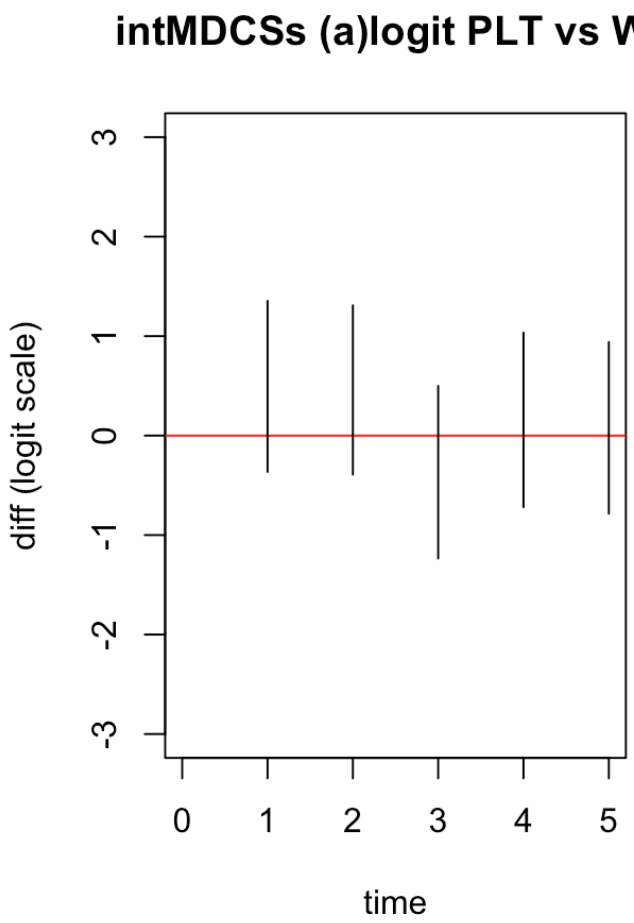

intMDCSs (a)
WT
PLT
Pound
proportion
0.0
0.2
0.4
0.6
0.8
1.0
0
3
10
17
24
31
time

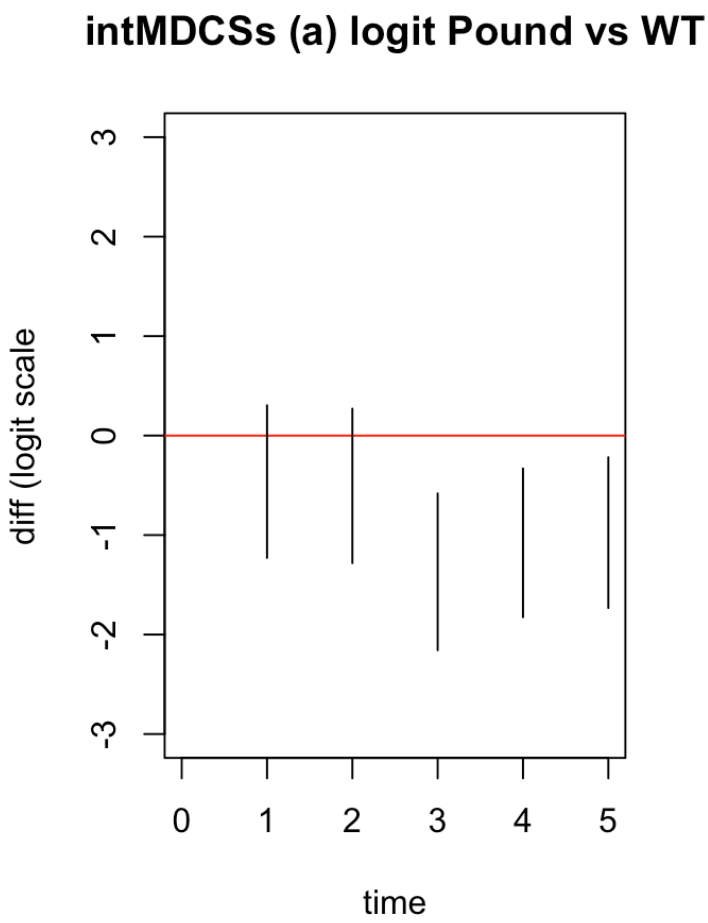

intMDCSs (a)female vs male WT
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

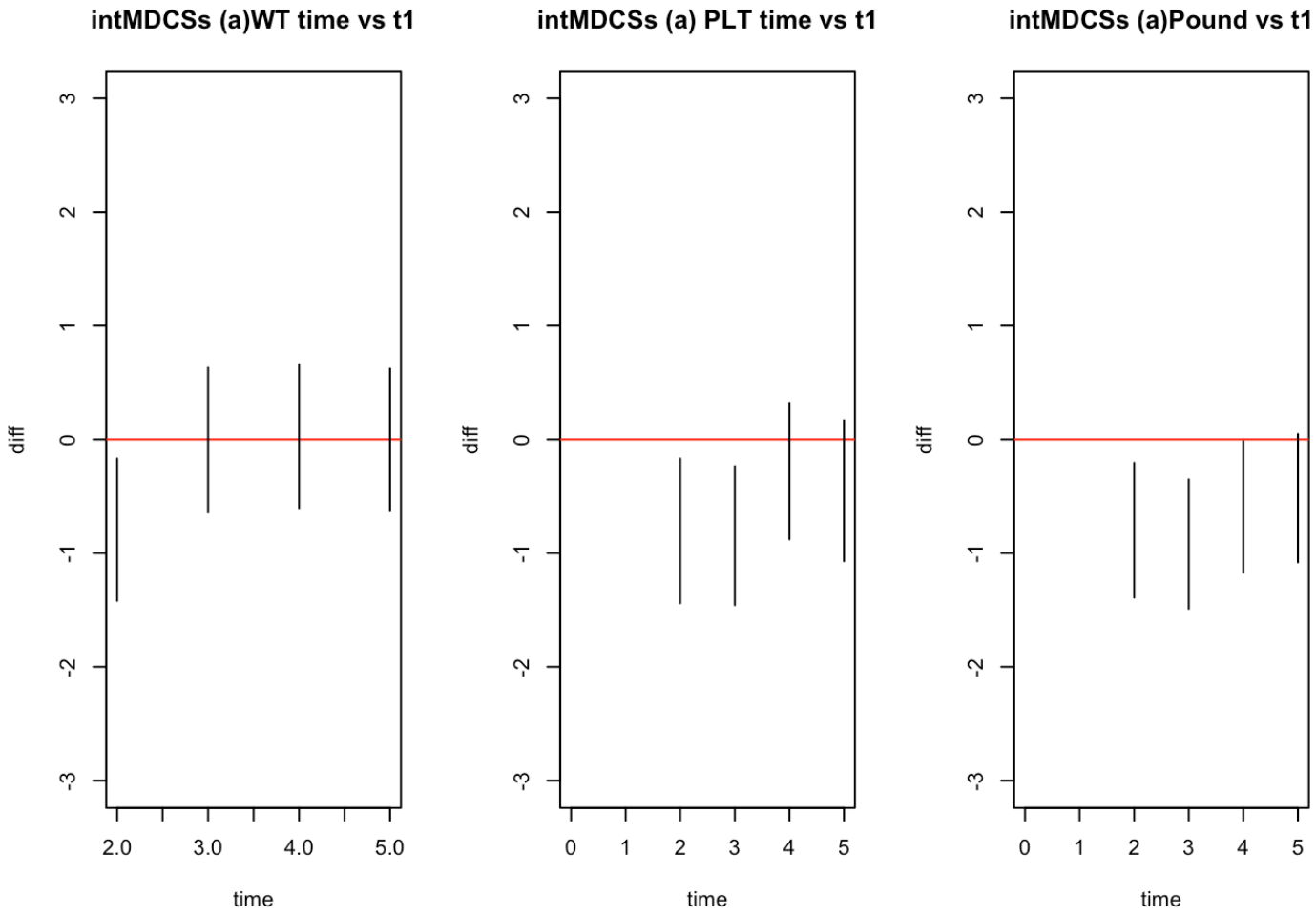

intMDCSs (a)female vs male PLT
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5


intMDCSs (a)female vs male Poun
logit(pfemale)-logit(pmale)
-3
-2
-1
0
1
2
3
0
1
2
3
4
5

time time time

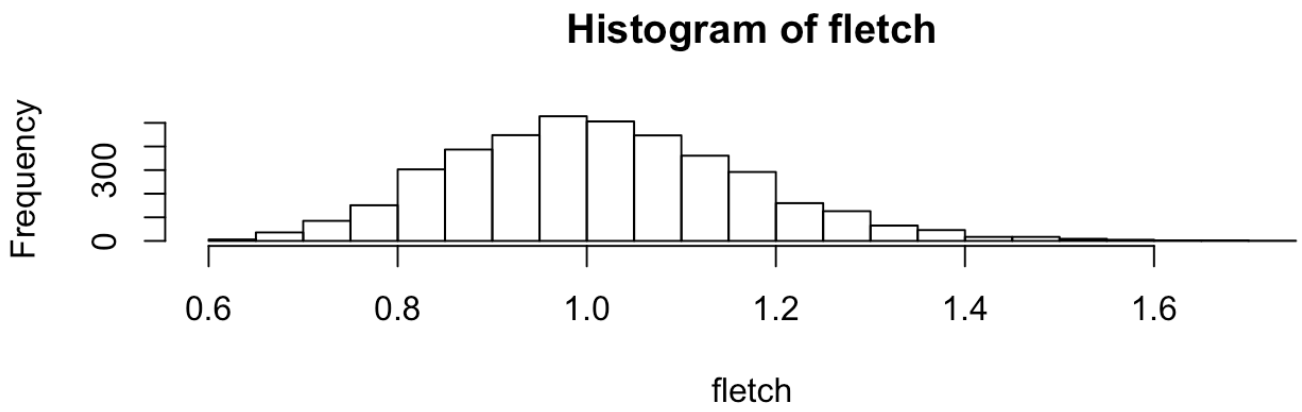


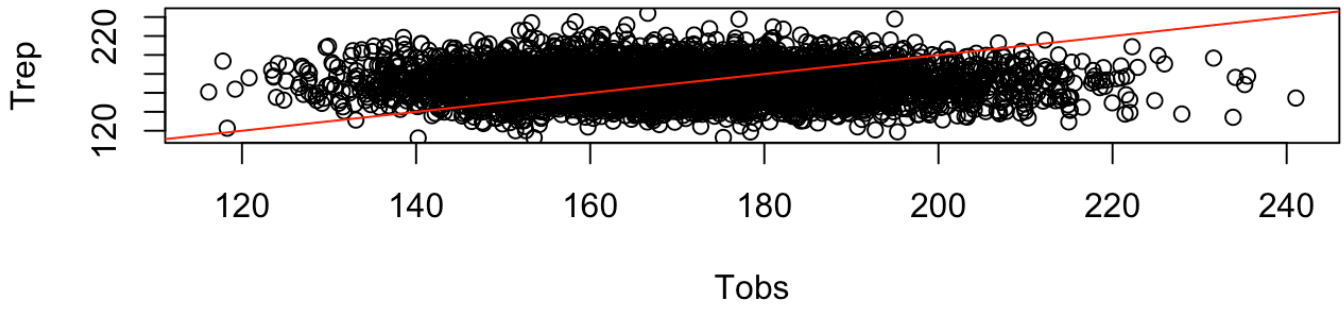




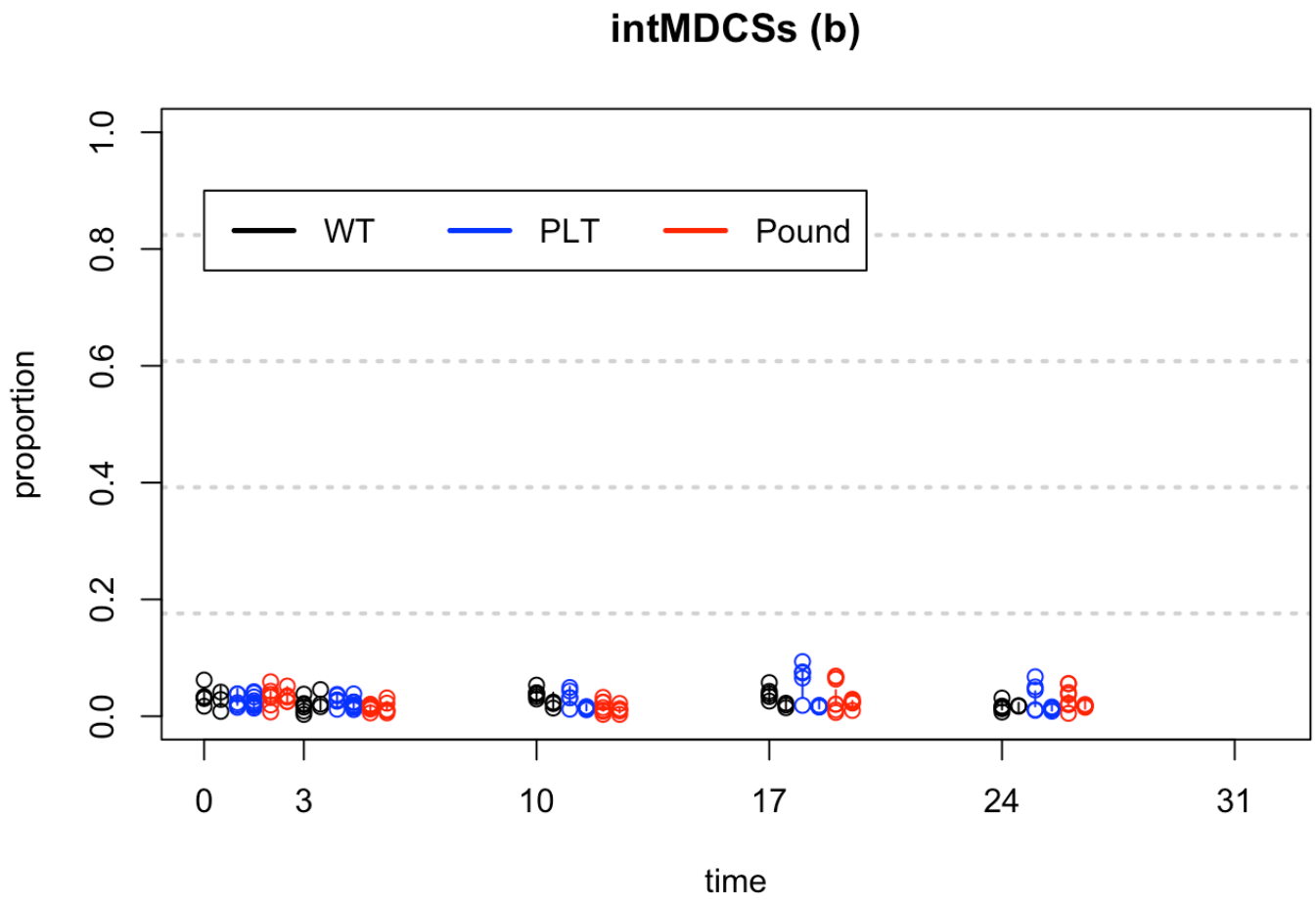
6b intMDCSC as proportion of live cells

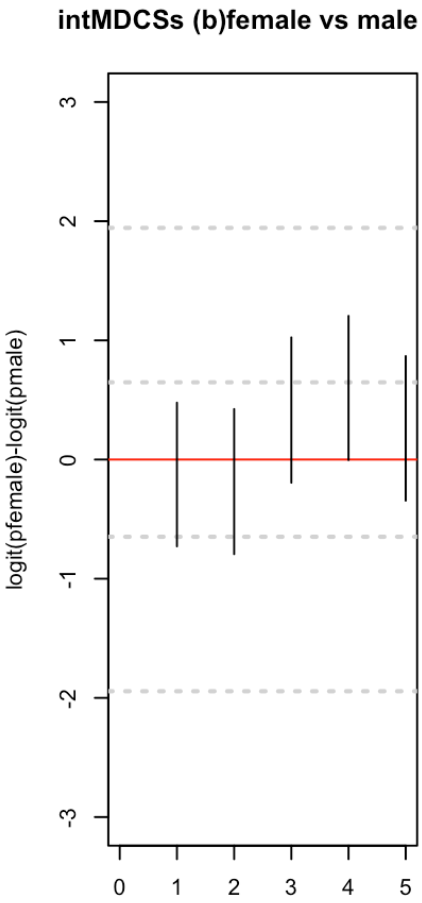
```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 175
##    Unobserved stochastic nodes: 414
##    Total graph size: 3000
##
## Initializing model
```

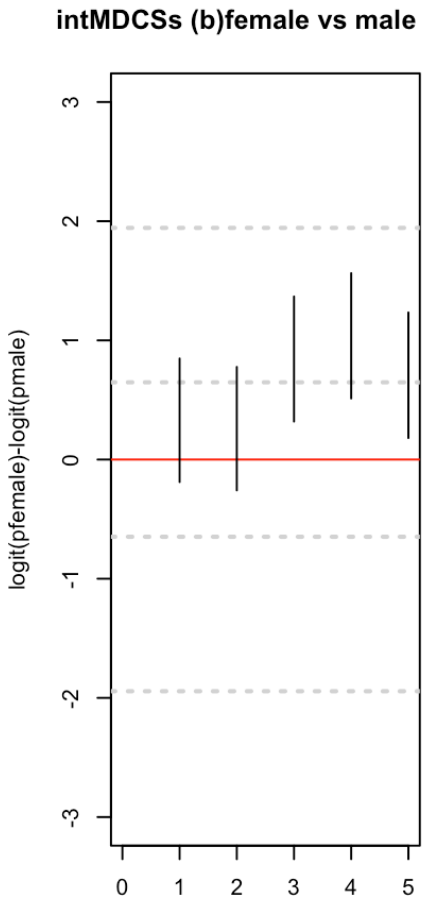


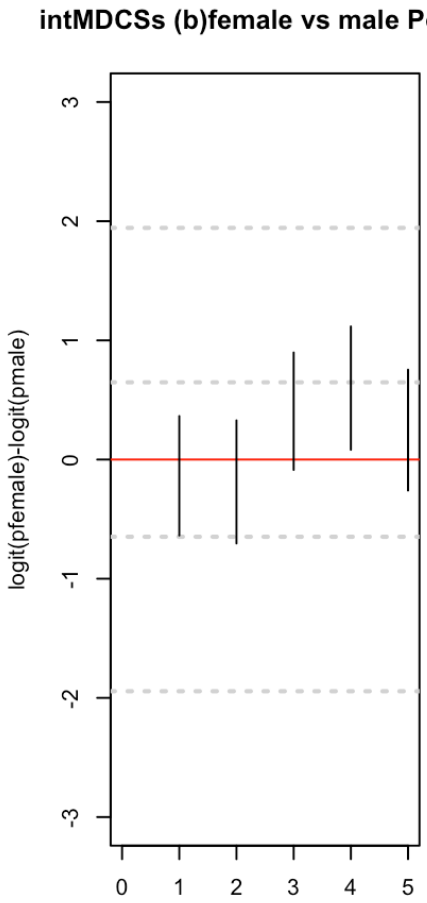



```
## [1] "got posteriors"
## [1] "DIC: 1908.37"
```

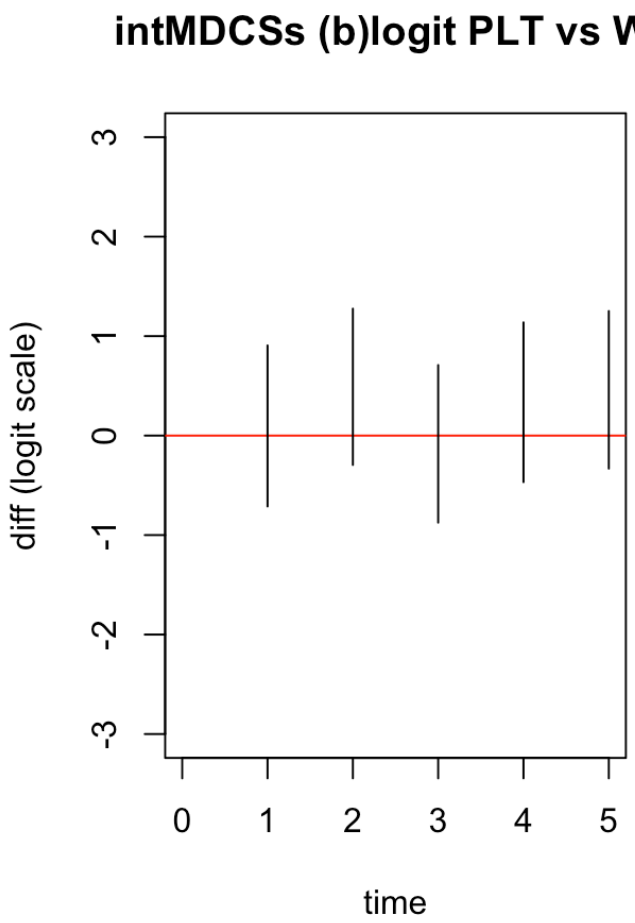

intMDCSs (b)
WT
PLT
Pound
proportion
0.0
0.2
0.4
0.6
0.8
1.0
0
3
10
17
24
31
time

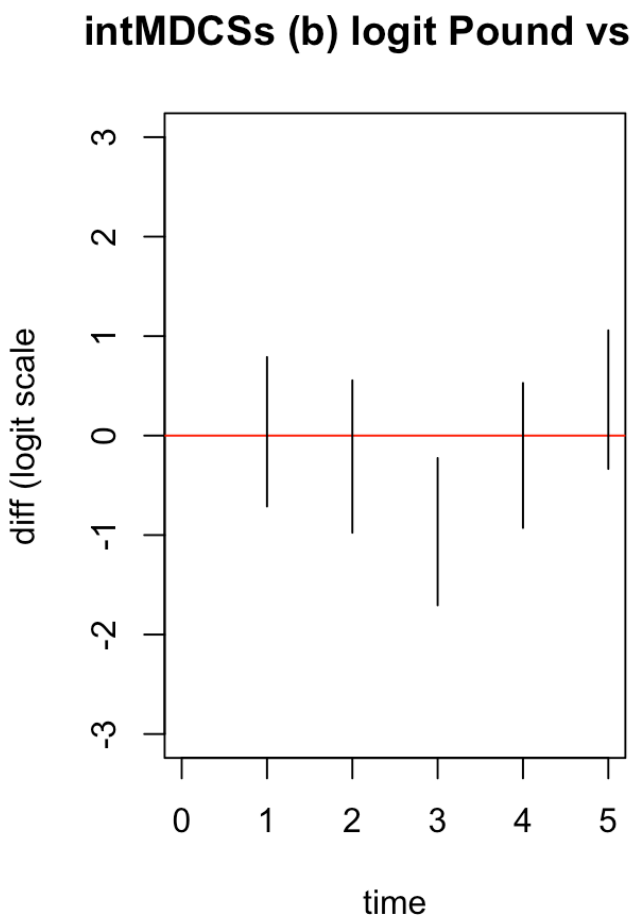

intMDCSs (b)female vs male WT
logit(pfemale)-logit(pmale)
3
2
1
0
-1
-2
-3
0
1
2
3
4
5

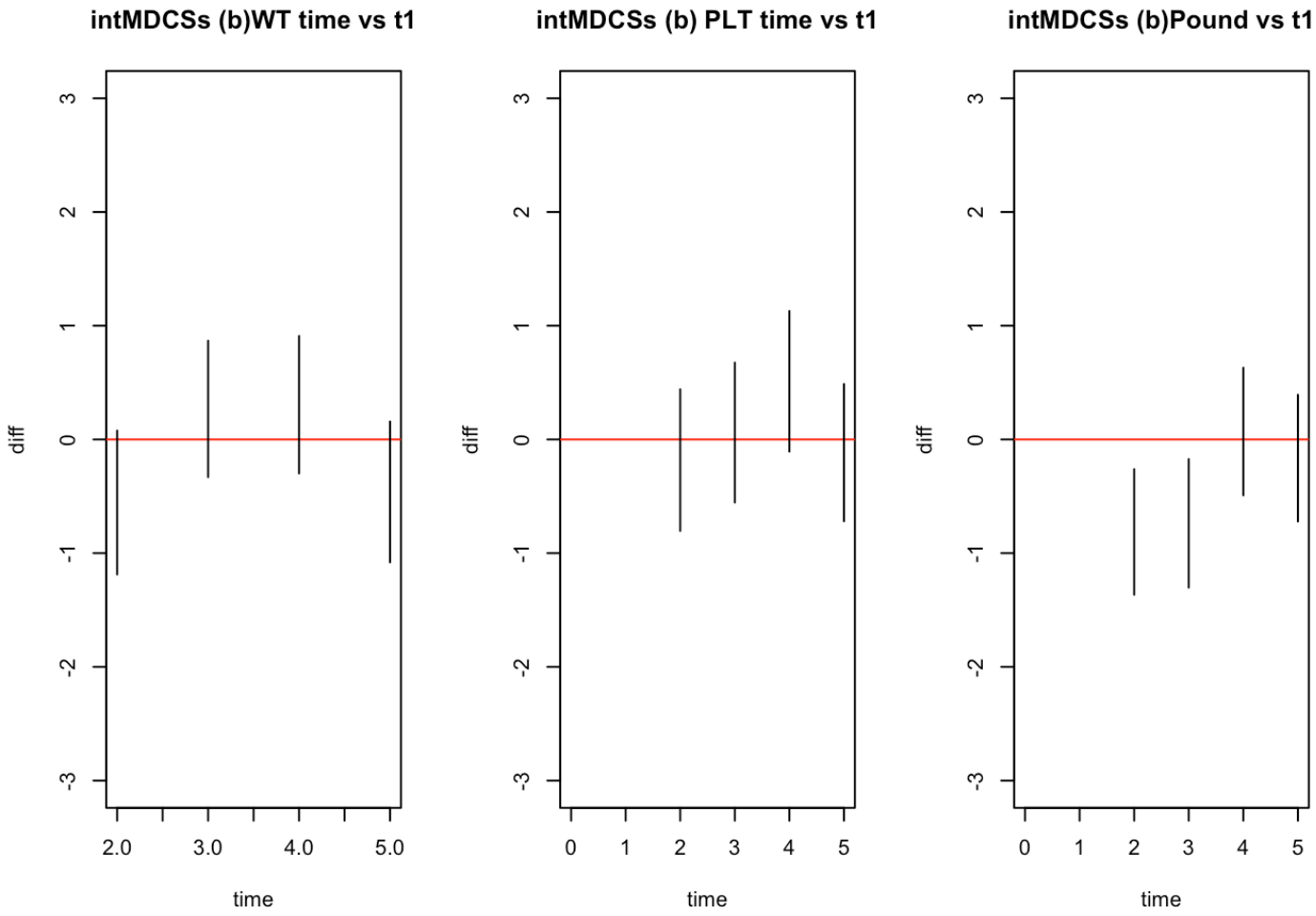

intMDCSs (b)female vs male PLT
logit(pfemale)-logit(pmale)
3
2
1
0
-1
-2
-3
0
1
2
3
4
5


intMDCSs (b)female vs male Poun
logit(pfemale)-logit(pmale)
3
2
1
0
-1
-2
-3
0
1
2
3
4
5

time time time





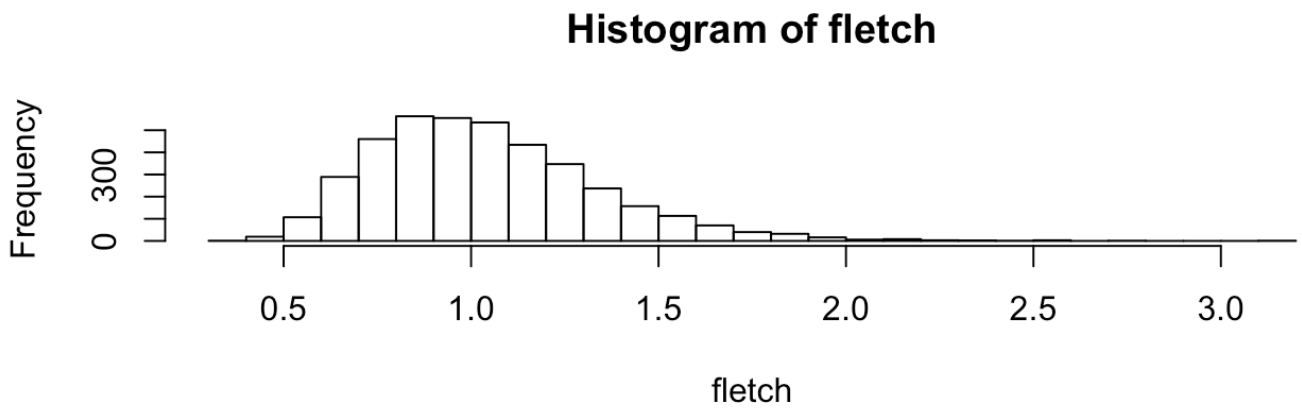


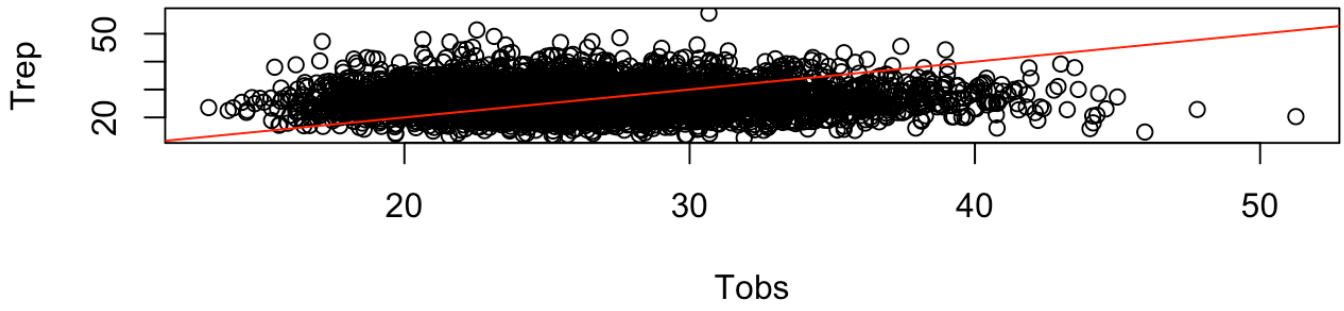
7 CD19pos_B220pos_MHCIIpos

```
## [1] 40
```

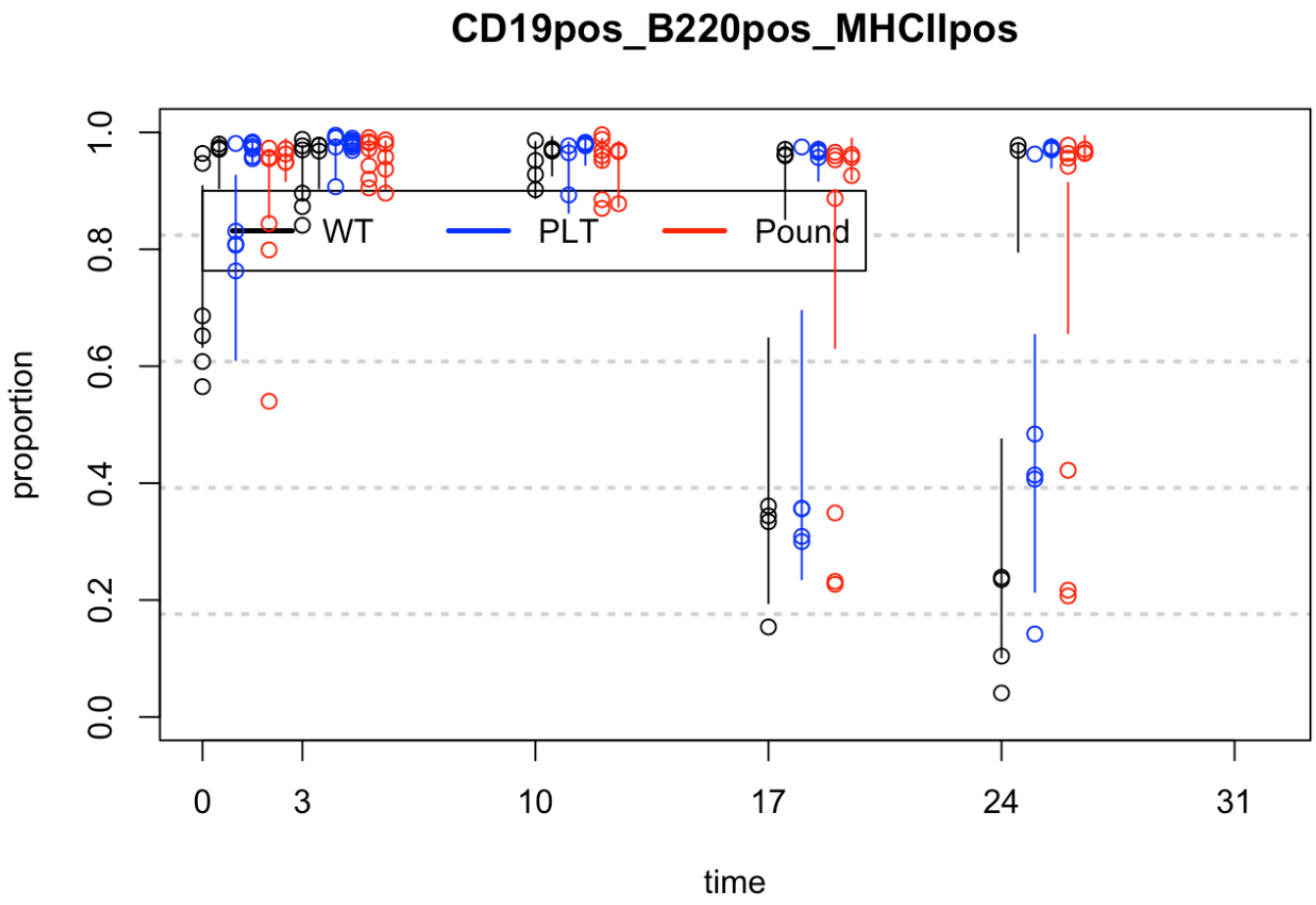
```
## [1] 35 77
```

```
## Compiling model graph
##    Resolving undeclared variables
##    Allocating nodes
## Graph information:
##    Observed stochastic nodes: 146
##    Unobserved stochastic nodes: 443
##    Total graph size: 3000
##
## Initializing model
```

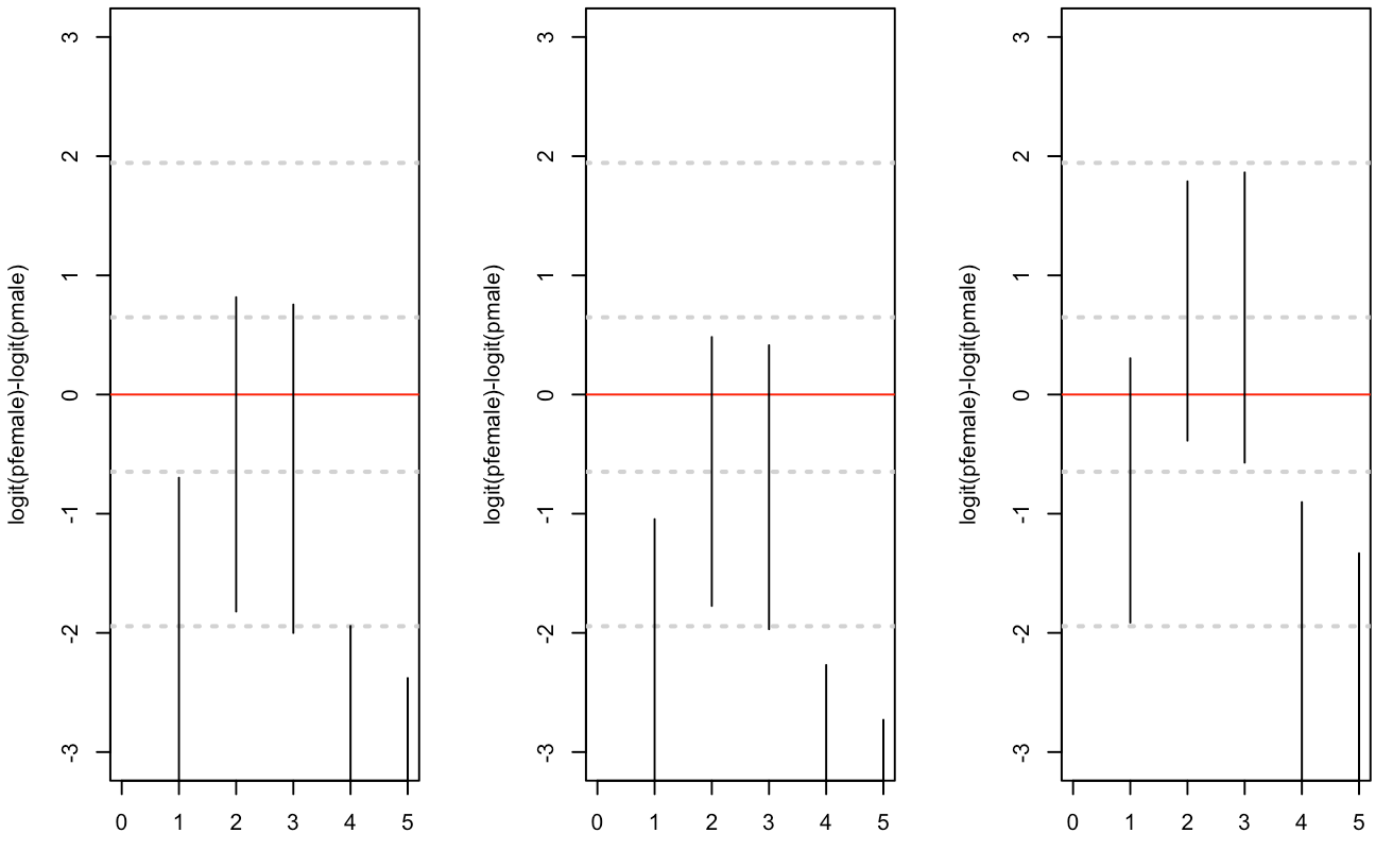





```
## [1] "got posteriors"
## [1] "DIC: 1108.45"
```

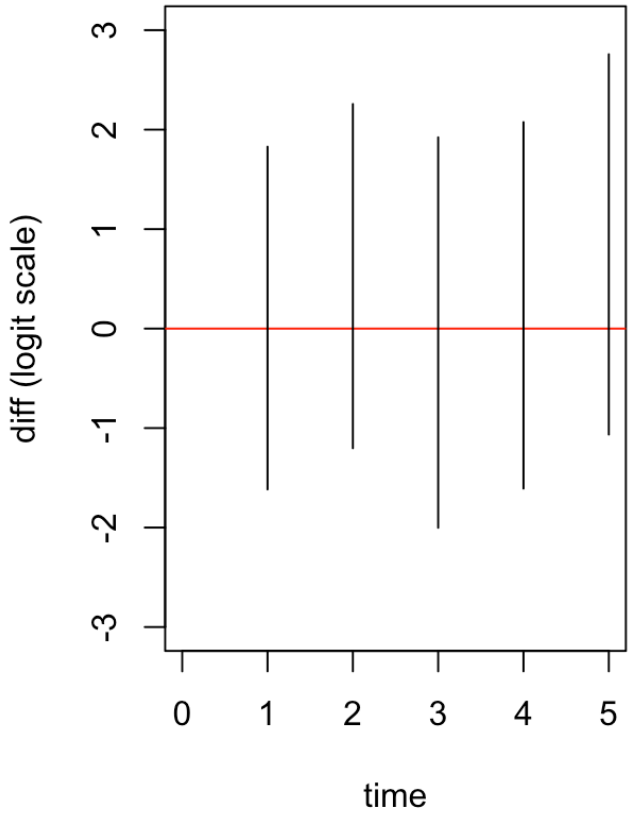


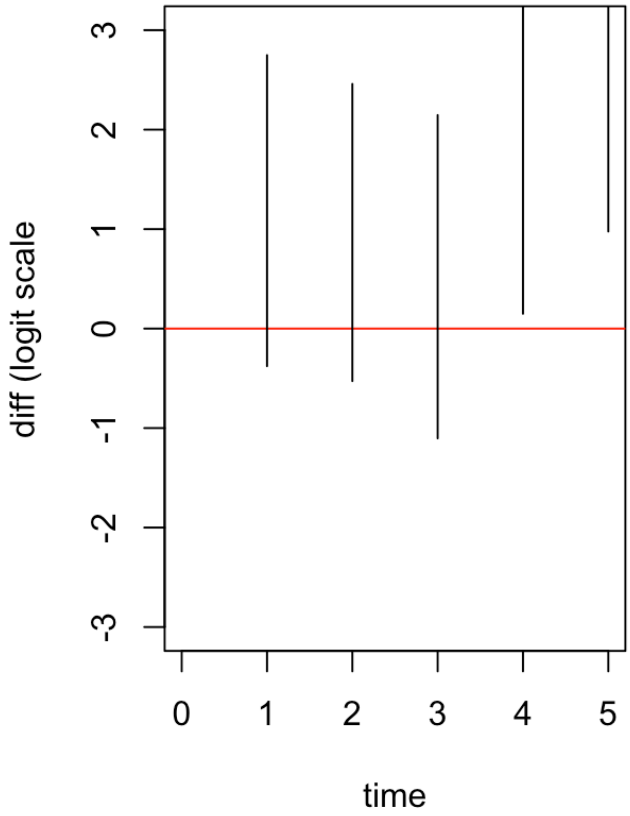
l9pos_B220pos_MHCIIposfemale vs r9pos_B220pos_MHCIIposfemale vs npos_B220pos_MHCIIposfemale vs ma

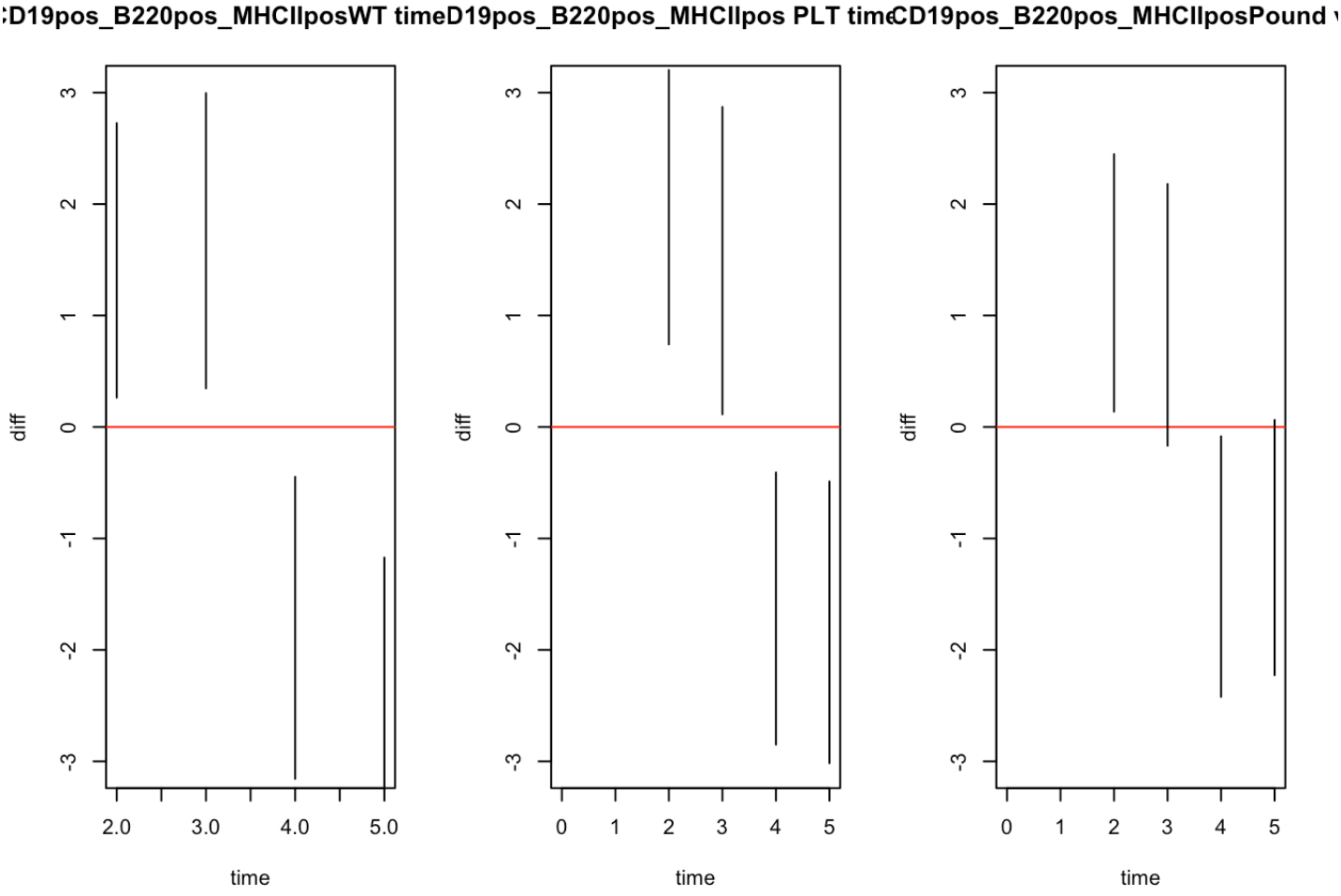


time time time

)19pos_B220pos_MHCIIposlogit PLT 9pos_B220pos_MHCIIpos logit Poun






:D19pos_B220pos_MHCIIposWT time
D19pos_B220pos_MHCIIpos PLT time
CD19pos_B220pos_MHCIIposPound
diff
time
2.0
3.0
4.0
5.0
0
1
2
3
4
5
-3
-2
-1
0
1
2
3