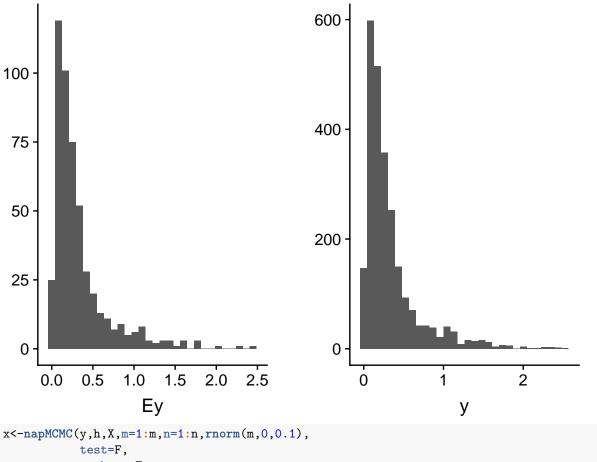
## mcmccheck

Moi Exposito-Alonso 2019-04-04

## Simple run without sampling variance

```
a=0.01
b=0.01
p=0
mu=1
svar=0.1
ss=0
epi=1
replicates=5
ss=0
n=500
m=100
maf=mafsim(m)
X <- Xsim(n,m,maf)</pre>
s= ssim(m,svar)
Ey=wsim(X,s,mode=2,epi = 1,mu = mu)
y=sampleW(Ey,a,b,p,rep = replicates)
h=sort(rep.int(1:n,replicates))
plot_grid(qplot(Ey),qplot(y))
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



```
-7000
Posterior
    -8000
   -9000
                                2500
                                                   5000
                                                                      7500
                                                                                        10000
                                                iterations
# shist(x$chain)
\# LIKELIHOOD(y,h,wC(X,x\$shat,3),b,a,p,mu,epi,verbose = TRUE)
\# LIKELIHOOD(y,h,BMmgwa(X,My(y,h)),b,a,p,mu,epi,verbose = TRUE)
pnap<-scorplot(s,x$shat)</pre>
pgwa<-scorplot(s,BMridge(X,My(y,h)))</pre>
pfinal<-plot_grid(</pre>
           pnap$psel,
           pgwa$psel,
           labels=c("NAP","mGWA")
# print(pfinal)
inap<-indplot(y,h,x$w)</pre>
igwa<-indplot(y,h,X %*% BMmgwa(X,My(y,h))+mu)</pre>
pfin2<-plot_grid(</pre>
           inap,
           igwa,
           labels=c("NAP","mGWA")
```

```
## Warning: Removed 1 rows containing missing values (geom_hline).
## Warning: Removed 1 rows containing missing values (geom_vline).
# print(pfin2)
p<-plot_grid(pfinal,pfin2,ncol=1)</pre>
```

print(p)

