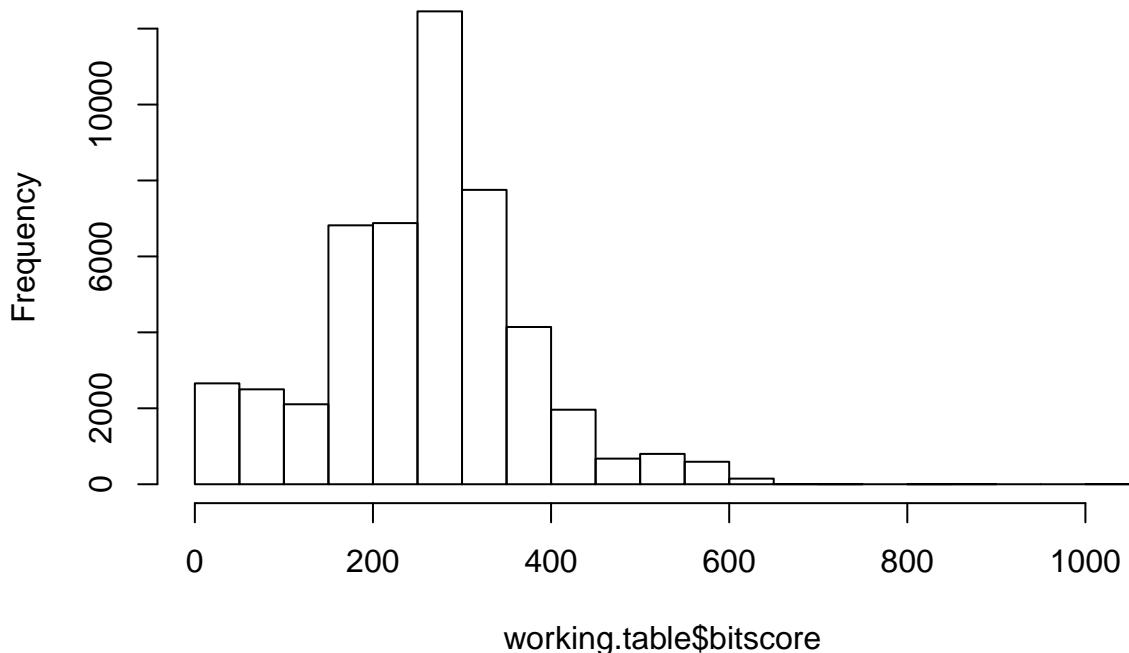


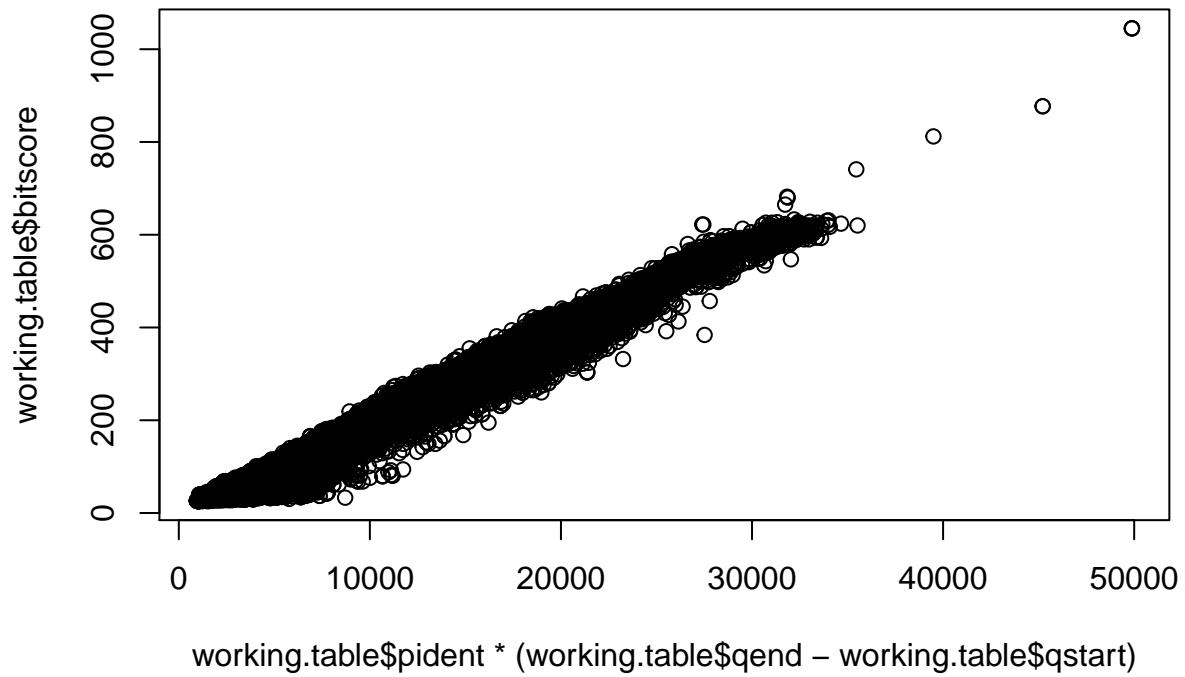
output

```
working.table <- read.table("~/work/mm-second.x.zebrafish.tsv", col.names = c("qseqid", "sseqid", "pide...  
  
#Visualize the bitscore values  
hist(working.table$bitscore, breaks = 30)
```

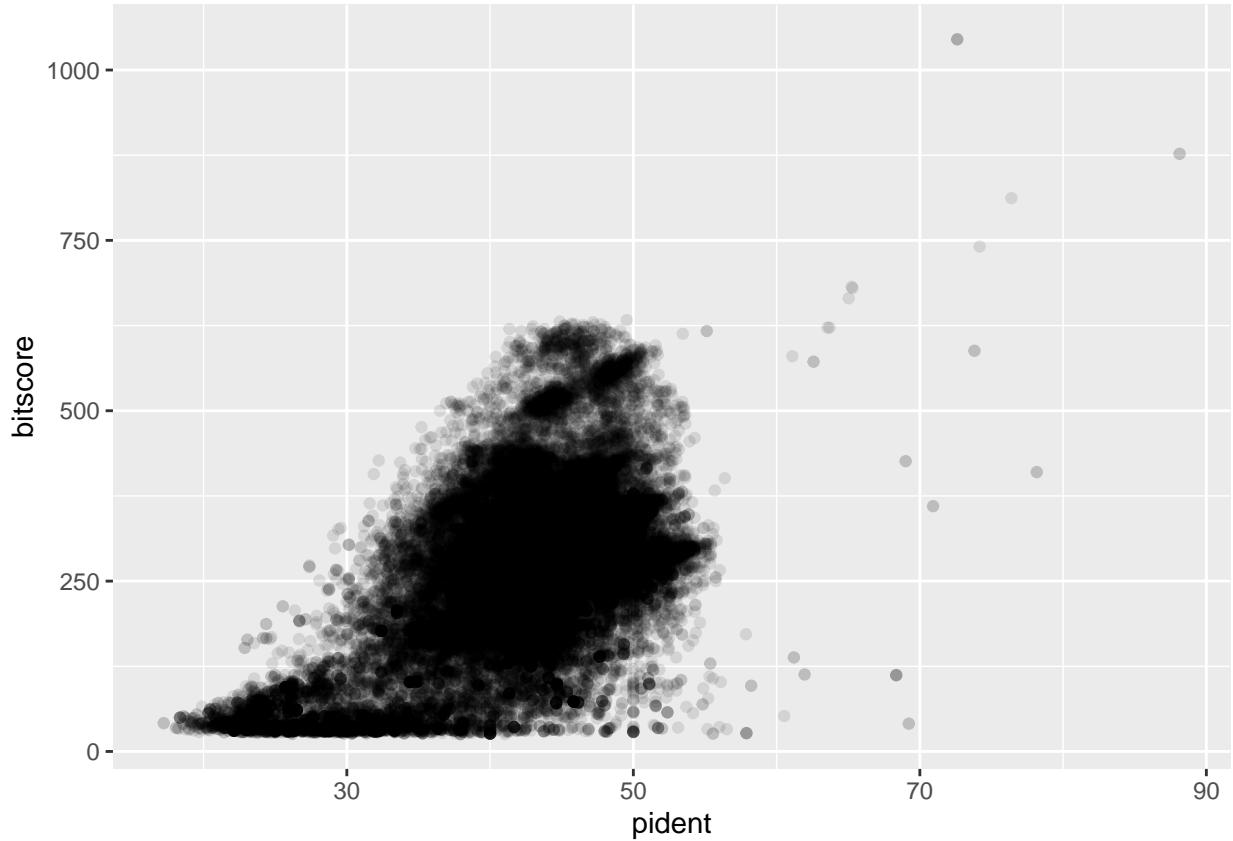
Histogram of working.table\$bitscore



```
#Testing for relationship between percent identity and bitscore  
plot(working.table$pident * (working.table$qend - working.table$qstart), working.table$bitscore)  
  
#Same thing, but in ggplot  
library(ggplot2)
```



```
ggplot(working.table, aes(pident, bitscore)) + geom_point(alpha=0.1)
```



```
#  
ggplot(working.table, aes((pident * (qend - qstart)), bitscore)) + geom_point(alpha=0.1) + geom_smooth()  
  
## 'geom_smooth()' using method = 'gam' and formula 'y ~ s(x, bs = "cs")'
```

