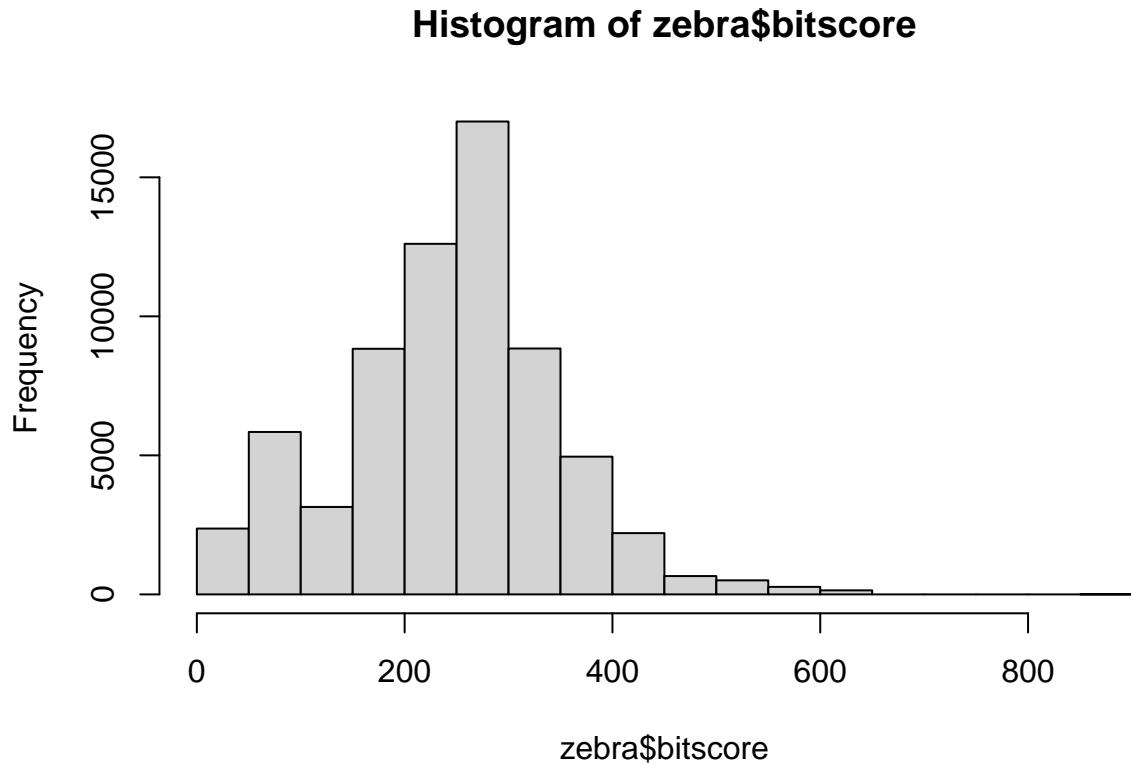


work

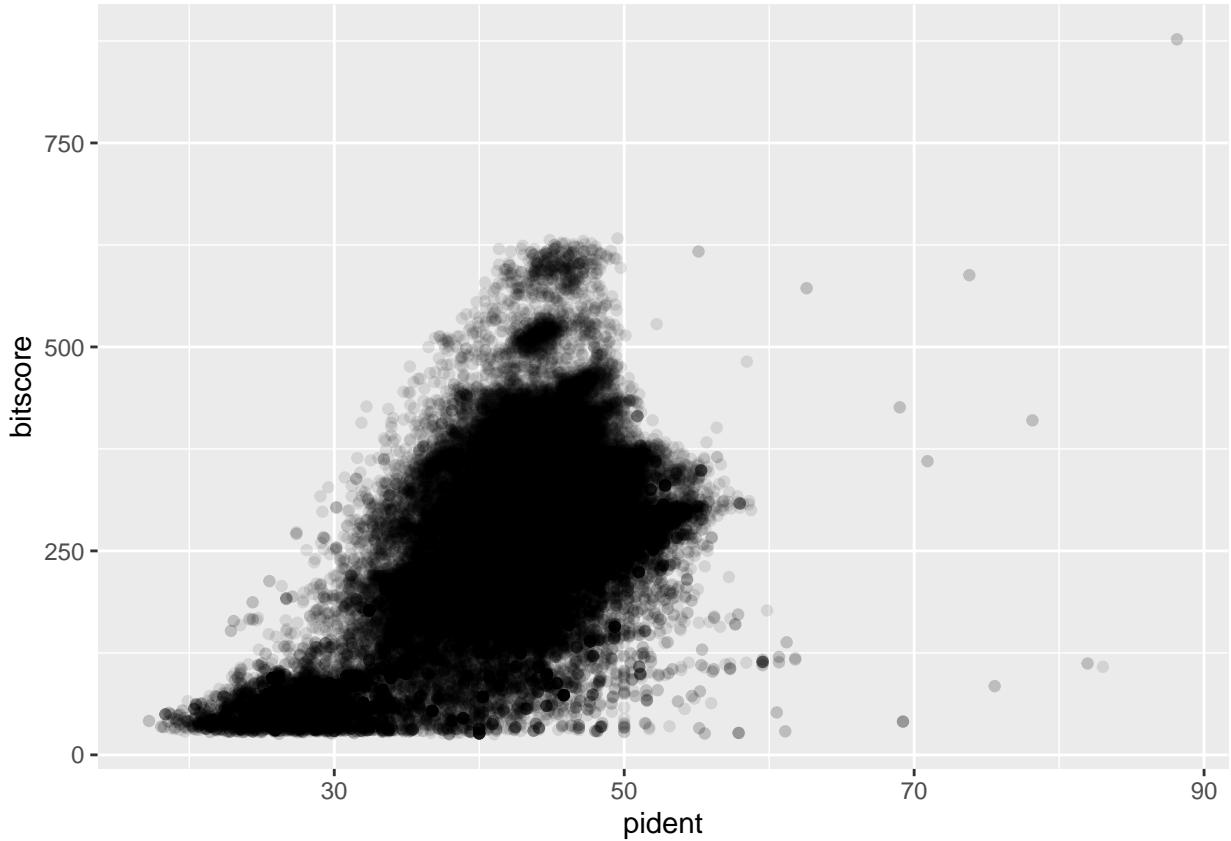
Groot (A15485151)

11/9/2021

```
zebra <- read.table("mm-second.x.zebrafish.tsv", col.names = c("qseqid", "sseqid", "pident", "length",  
hist(zebra$bitscore, breaks=30)
```



```
#install.packages("ggplot2")  
  
library(ggplot2)  
ggplot(zebra, aes(pident, bitscore)) + geom_point(alpha=0.1)
```



```
ggplot(zebra, aes((zebra$pident * (zebra$qend - zebra$qstart)), bitscore)) + geom_point(alpha=0.1) + geom_smooth(method = "gam", formula = y ~ s(x, bs = "cs"))

## Warning: Use of 'zebra$pident' is discouraged. Use 'pident' instead.

## Warning: Use of 'zebra$qend' is discouraged. Use 'qend' instead.

## Warning: Use of 'zebra$qstart' is discouraged. Use 'qstart' instead.

## Warning: Use of 'zebra$pident' is discouraged. Use 'pident' instead.

## Warning: Use of 'zebra$qend' is discouraged. Use 'qend' instead.

## Warning: Use of 'zebra$qstart' is discouraged. Use 'qstart' instead.

## 'geom_smooth()' using method = 'gam' and formula 'y ~ s(x, bs = "cs")'
```

