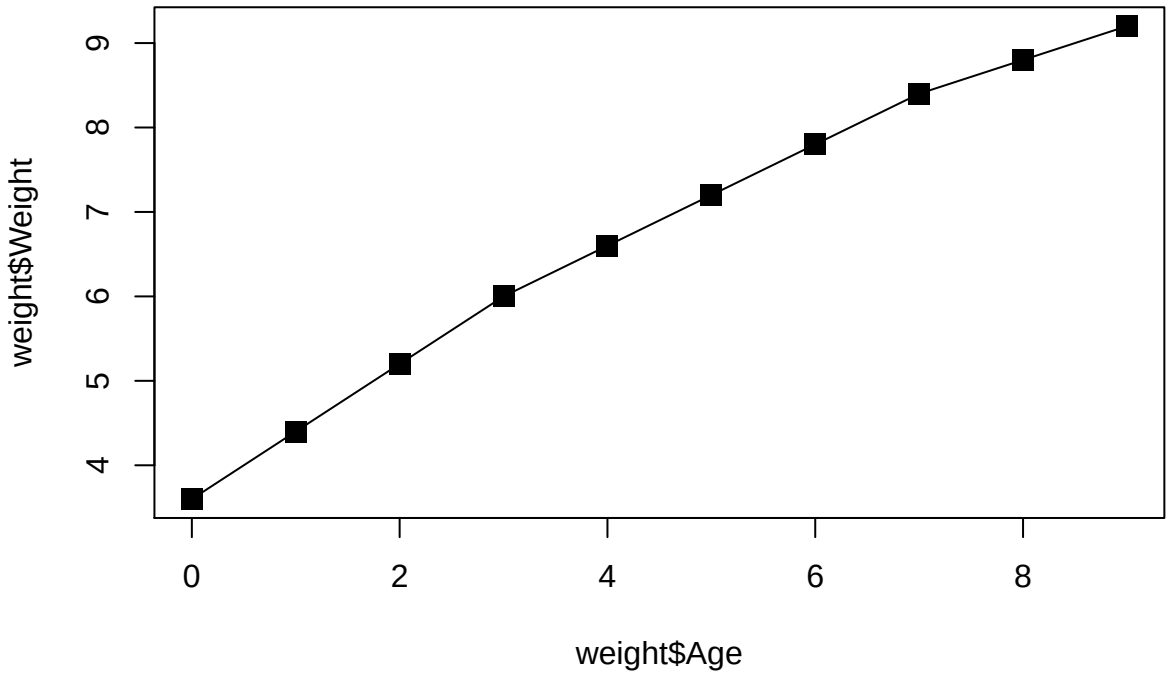
class05

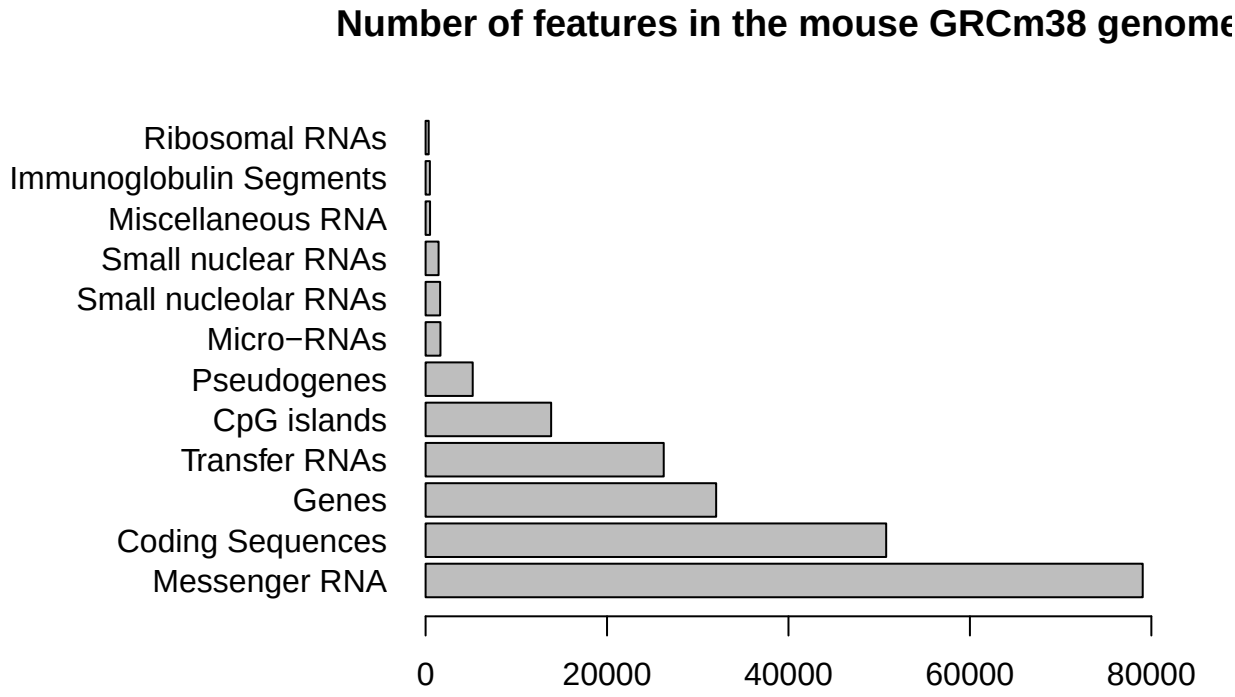
Yu Zhang

2019/10/16

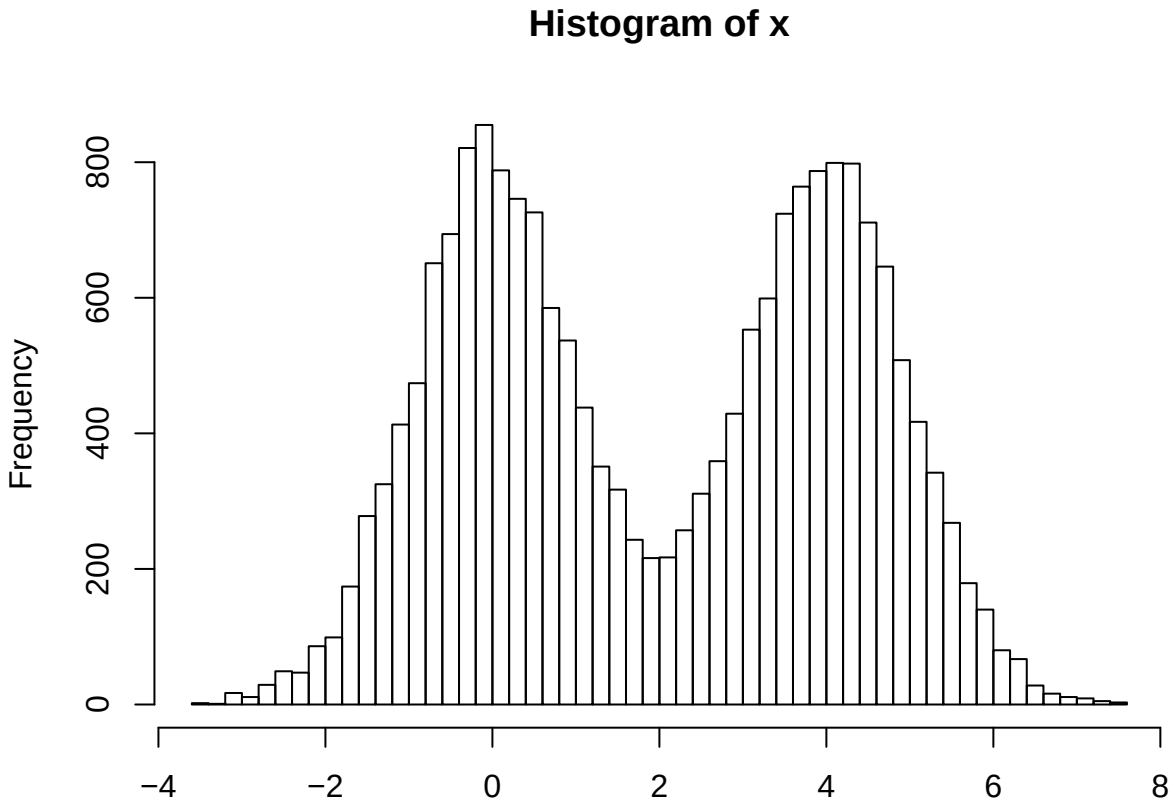
2A

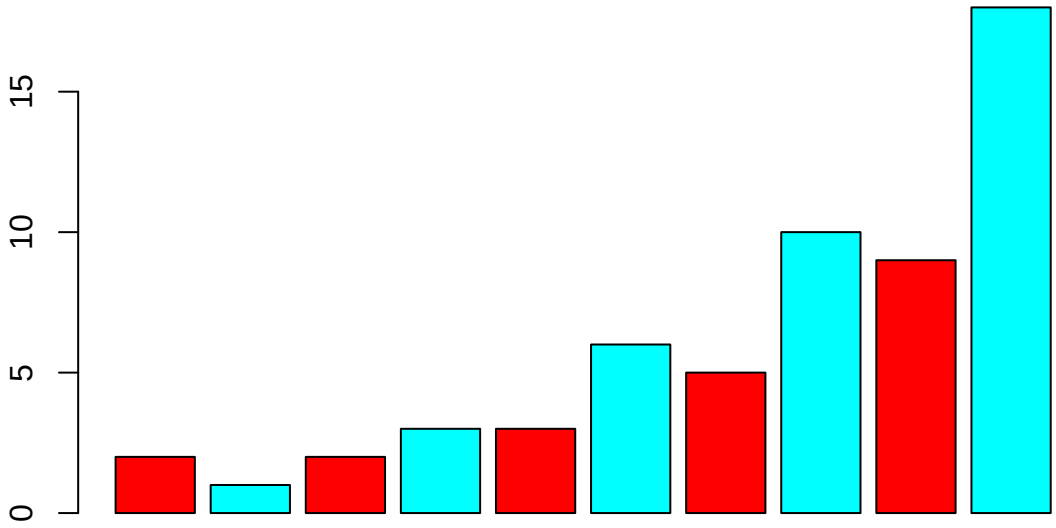


2B


Number of features in the mouse GRCm38 genome
Ribosomal RNAs
Immunoglobulin Segments
Miscellaneous RNA
Small nuclear RNAs
Small nucleolar RNAs
Micro−RNAs
Pseudogenes
CpG islands
Transfer RNAs
Genes
Coding Sequences
Messenger RNA
0
20000
40000
60000
80000

2C





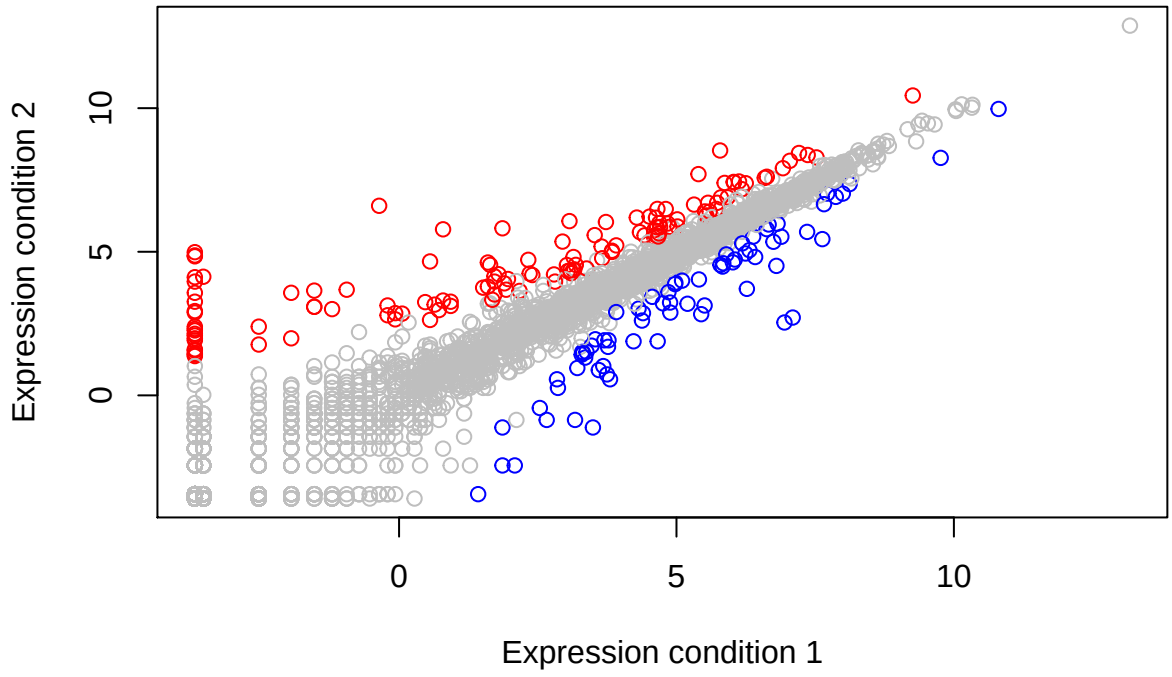
3A

3B

```
## [1] 5196
```

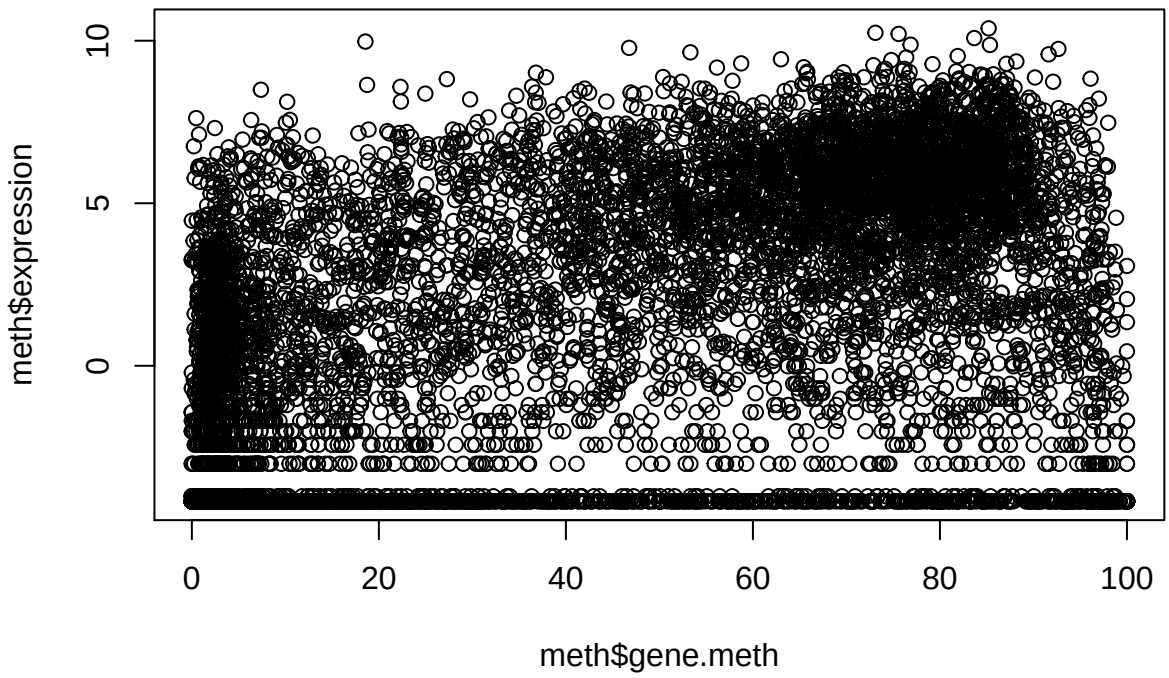
```
##
##       down unchanging         up
##         72       4997        127
```

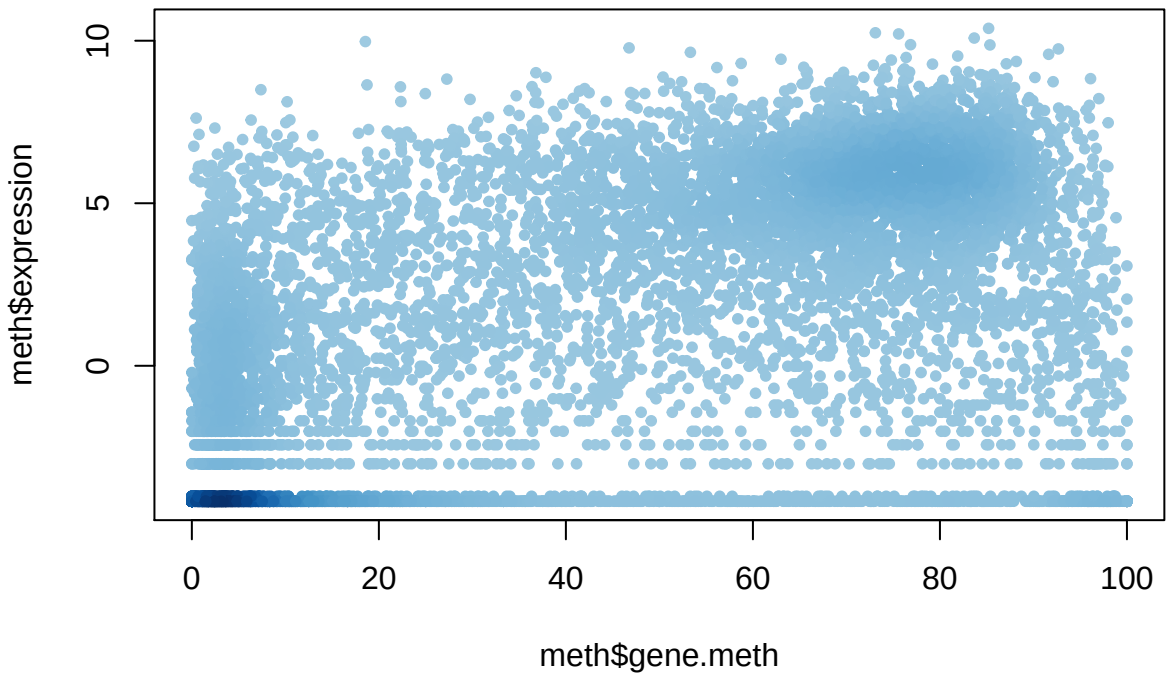
```
## [1] "down"       "unchanging" "up"
```

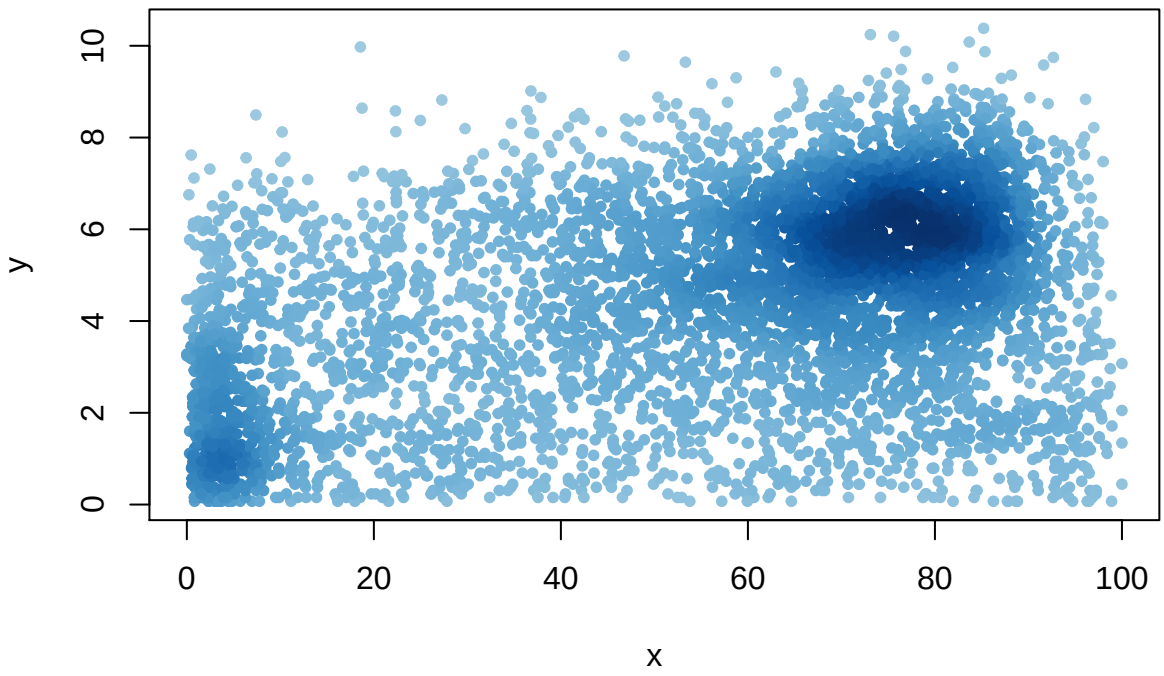


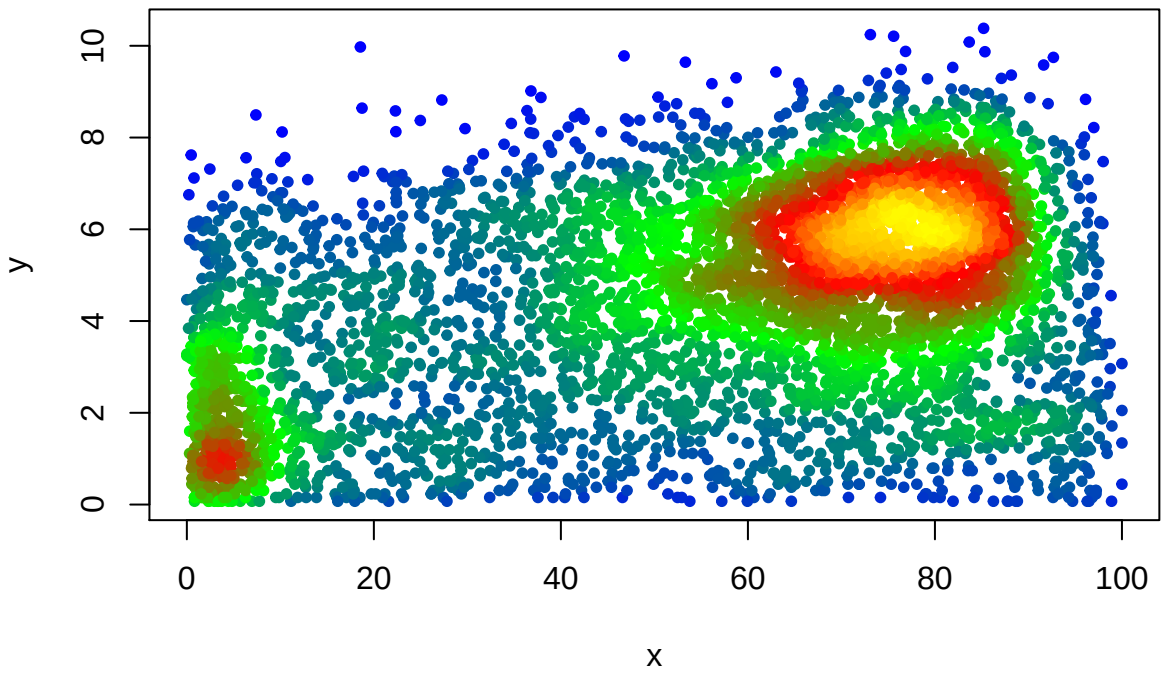
3C

```
## [1] 9241
```


meth$expression
10
5
0
0
20
40
60
80
100
meth$gene.meth


meth$expression
10
5
0
0
20
40
60
80
100
meth$gene.meth


y
0
2
4
6
8
10
0
20
40
60
80
100
x


y
0
2
4
6
8
10
0
20
40
60
80
100
x