main

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1 Examine permutation based on female sample size

```
[1]: import re
import pandas as pd
from glob import iglob
```

1.1 Main

```
[2]: df = pd.DataFrame()
    for filename in iglob("../../_m/permutation_*/diffExpr_CtrlvsSZ_FDR05.txt"):
        m = re.search("\d+", filename)
        dt = pd.read_csv(filename, sep='\t', index_col=0)
        dt["Permutation"] = m.group(0)
        df = pd.concat([df, dt], axis=0)
        df.to_csv("permutations.csv")
        df.shape
```

[2]: (490, 17)

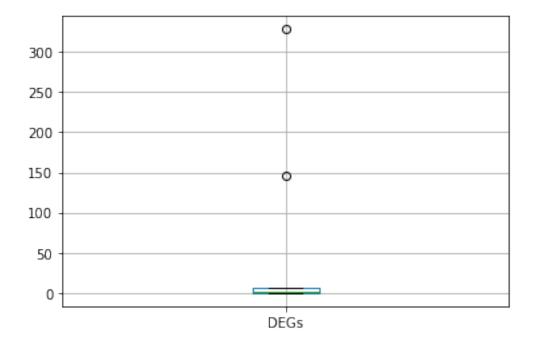
Median: 2.000000

```
[3]: count
               10.000000
    mean
               49.000000
     std
              107.991769
    min
                0.00000
     25%
                0.250000
     50%
                2.000000
     75%
                5.750000
              328.000000
     max
```

Name: DEGs, dtype: float64

```
[4]: xx.boxplot()
```

[4]: <AxesSubplot:>



There are O DEGs with females!