## 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]: (138, 17)

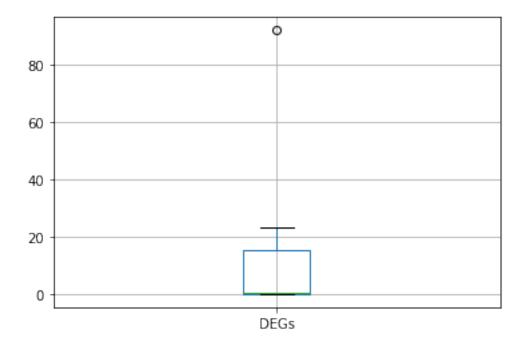
Median: 0.500000

```
[3]: count
              10.000000
     mean
              13.800000
     std
              28.855194
     min
               0.000000
     25%
               0.000000
     50%
               0.500000
     75%
              15.500000
              92.000000
     max
```

Name: DEGs, dtype: float64

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

## [4]: <AxesSubplot:>



There are 1 DEGs with females!