1) Zhou .. Urban paper SVs

```
5490 <DEL>
 531 <DUP:TANDEM>
2602 <INS>
 436 <INV>
  23 <UNK>
```

2) From XK: enhancers overlapping SVs & genes nearest to the enhancers

```
192 DEL__enhancer_loss
 23 INS__enhancer_gain
```

3) Using DL’s linkage data

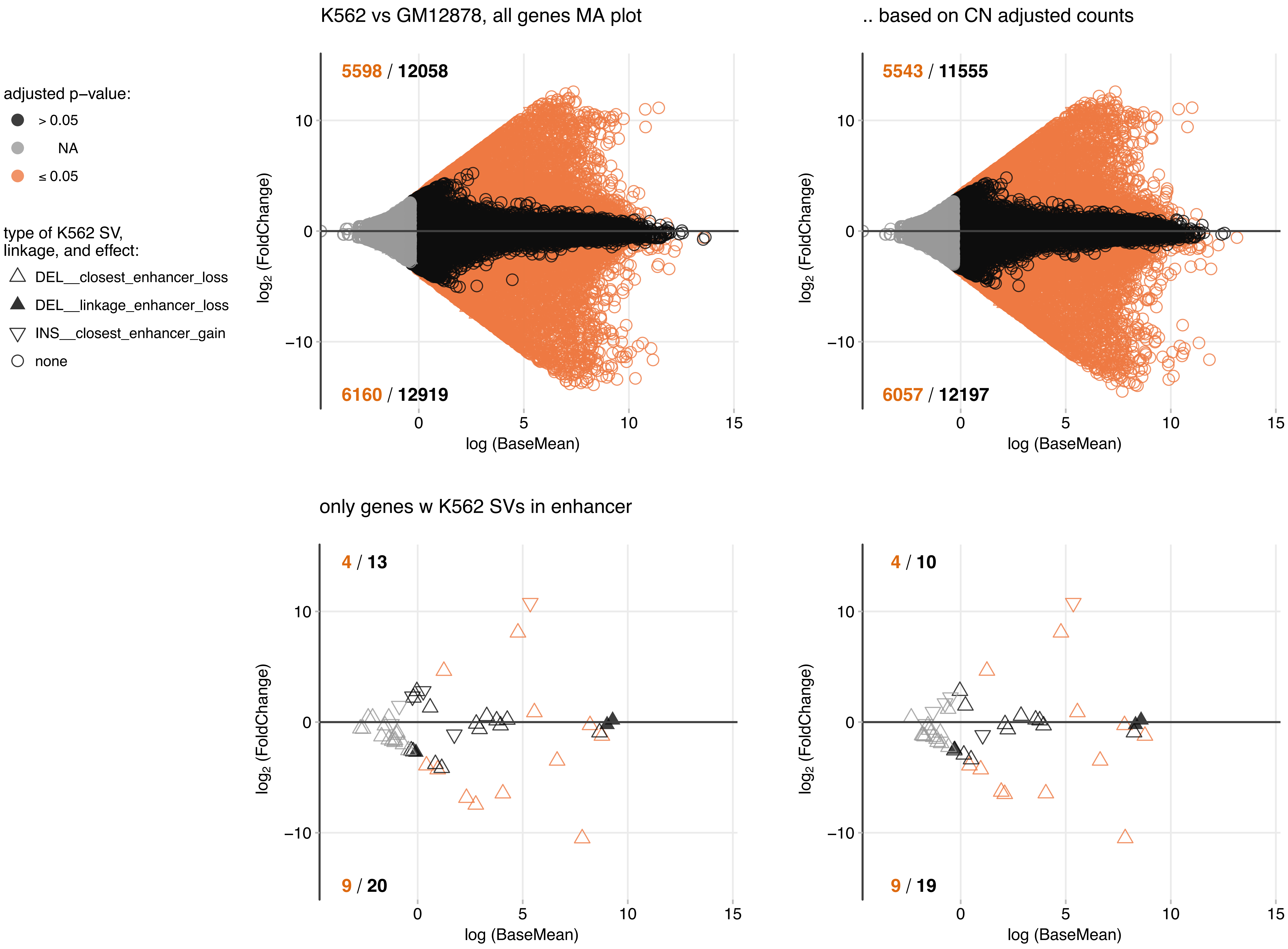
```
189 DEL__closest_enhancer_loss
  3 DEL__linkage_enhancer_loss
 23 INS__closest_enhancer_gain
```

4) Target genes w SVs in enhancers in DE analysis (> 1 total read count across all samples)

```
 41 DEL__closest_enhancer_loss
  3 DEL__linkage_enhancer_loss
  6 INS__closest_enhancer_gain
```

5) Ploidy and CN correction
Zhou .. Urban CNVs overlapped w genes by STL

```
all genes             genes w SV in enhancer
95      CN0                 CN0
464     CN1                 CN1
13782   CN2           18    CN2
32060   CN3           21    CN3
9833    CN4           11    CN4
1022    CN5                 CN5
```



K562 vs GM12878, all genes MA plot

.. based on CN adjusted counts

only genes w K562 SVs in enhancer

1) Feng Yue lab SVs

```
 1056   deletion
 735    insertion
 280    interchr_translocation
 44     intrachr_translocation
 66     inversion
```

2) From XK: enhancers overlapping SVs & genes nearest to the enhancers

```
126 DEL__enhancer_loss
  6 INS__enhancer_gain
```

3) Using DL's linkage data

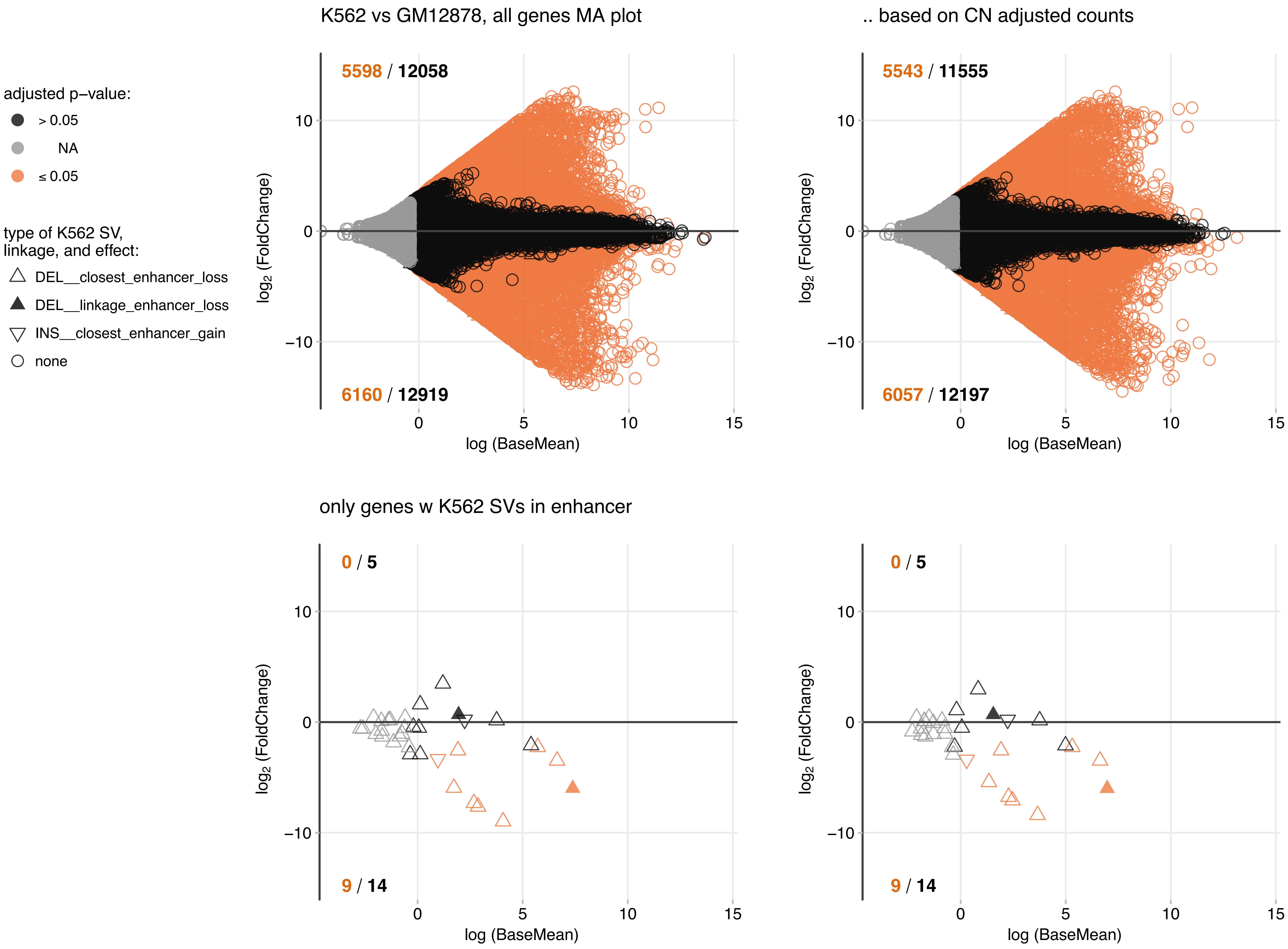
```
121 DEL__closest_enhancer_loss
  5 DEL__linkage_enhancer_loss
  6 INS__closest_enhancer_gain
```

4) Target genes w SVs in enhancers in DE analysis (> 1 total read count across all samples)

```
 30 DEL__closest_enhancer_loss
  2 DEL__linkage_enhancer_loss
  2 INS__closest_enhancer_gain
```

5) Ploidy and CN correction
Zhou .. Urban CNVs overlapped w genes by STL

```
all genes            genes w SV in enhancer
95      CN0                 CN0
464     CN1                 CN1
13782   CN2          10     CN2
32060   CN3          20     CN3
9833    CN4          4      CN4
1022    CN5                 CN5
```



K562 vs GM12878, all genes MA plot

.. based on CN adjusted counts

only genes w K562 SVs in enhancer