a
50≤
40
30
20
10
0
-10
-5
0
5
10
-Log10(pvalue)
(wt vs suvh456)
Log2(fold change) (wt vs suvh456)
single H3K27me3 and CHGm on REF6 BS
single H3K27me3 and REF6 BS
single H3K27me3
Arabidopsis all

b
Total number
Arabidopsis all 27206
all 1938
single H3K27me3
wtih CHGm on REF6-BS 116
without CHGm on REF6-BS 488
**
**
*
*
0
5
10
15
20
25
Downregulated genes (%)
Upregulated genes (%)