a
50≤
40
30
20
10
0
-10
-5
0
5
10
-Log10(pvalue) (wt vs ref6-1)
Log2(fold change) (wt vs ref6-1)
single H3K9me2, non-CHGm on REF6 BS
single H3K9me2 and REF6 BS
single H3K9me2
Arabidopsis all

b
Total number
Arabidopsis all 27206
single H3K9me2
all 336
wtih CHGm on REF6-BS 34
without CHGm on REF6-BS 11
0
4
8
12
Downregulated genes (%)
Upregulated genes (%)