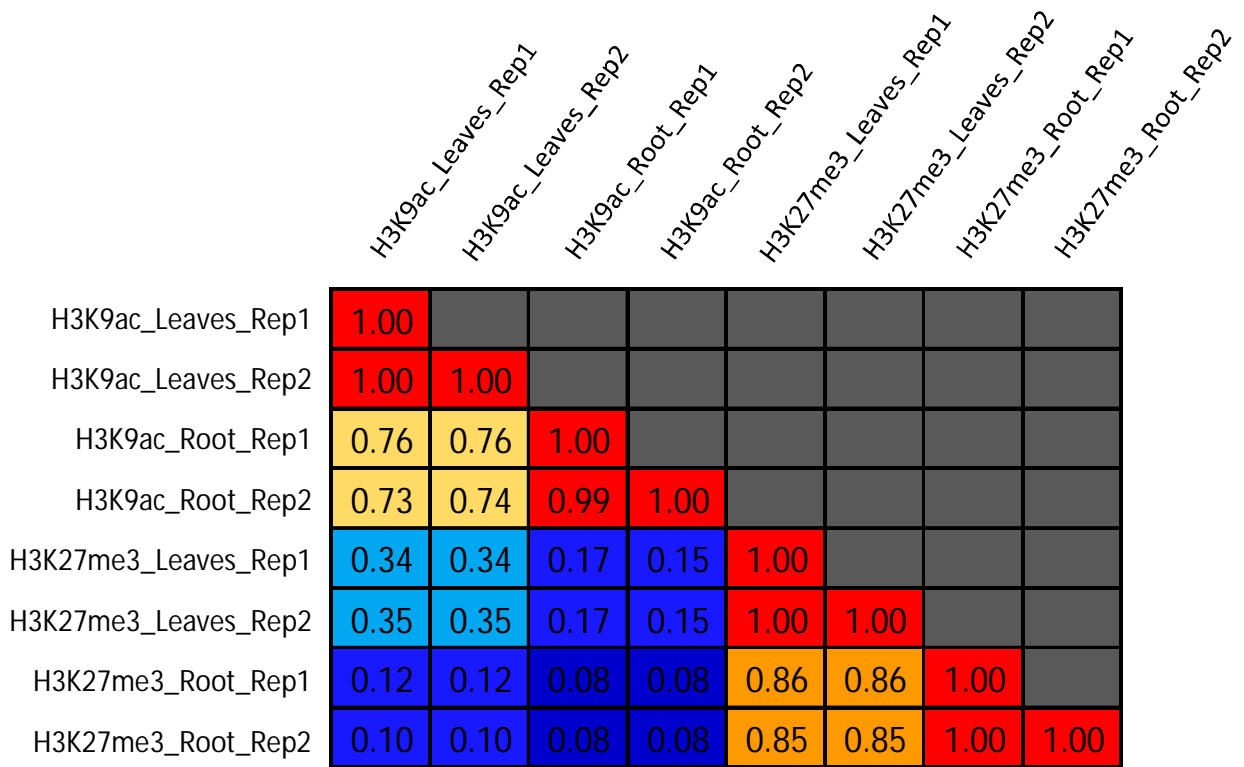


Additional file 1 : Figure S1

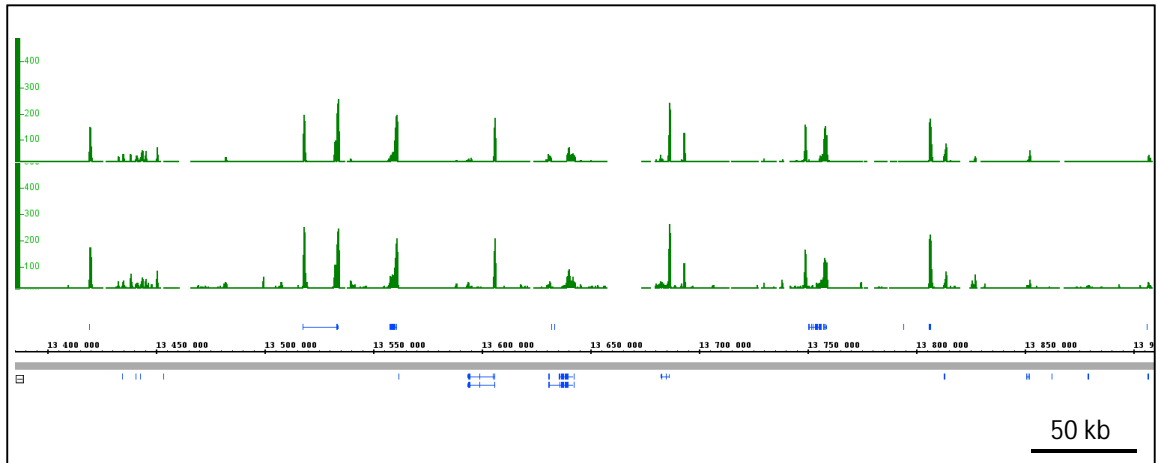


Additional file 1 : Figure S2

H3K9ac - Leaves

Biological replicate 1

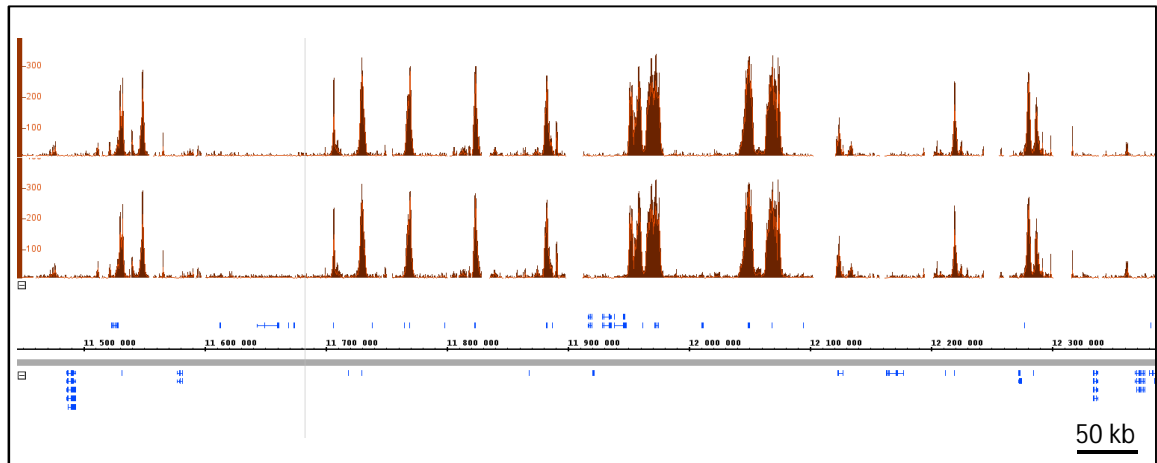
Biological replicate 2



H3K27me3 - Leaves

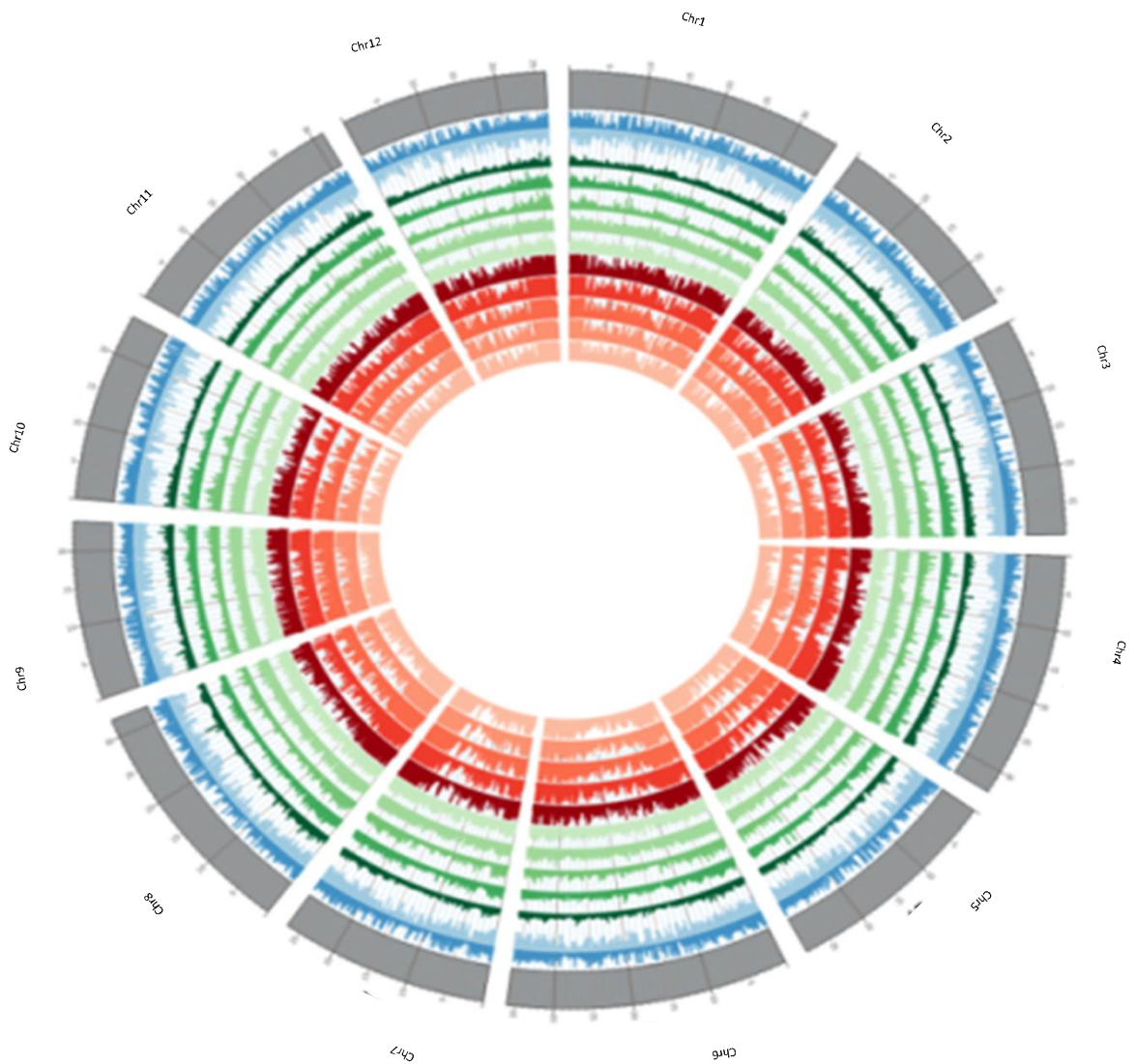
Biological replicate 1

Biological replicate 2

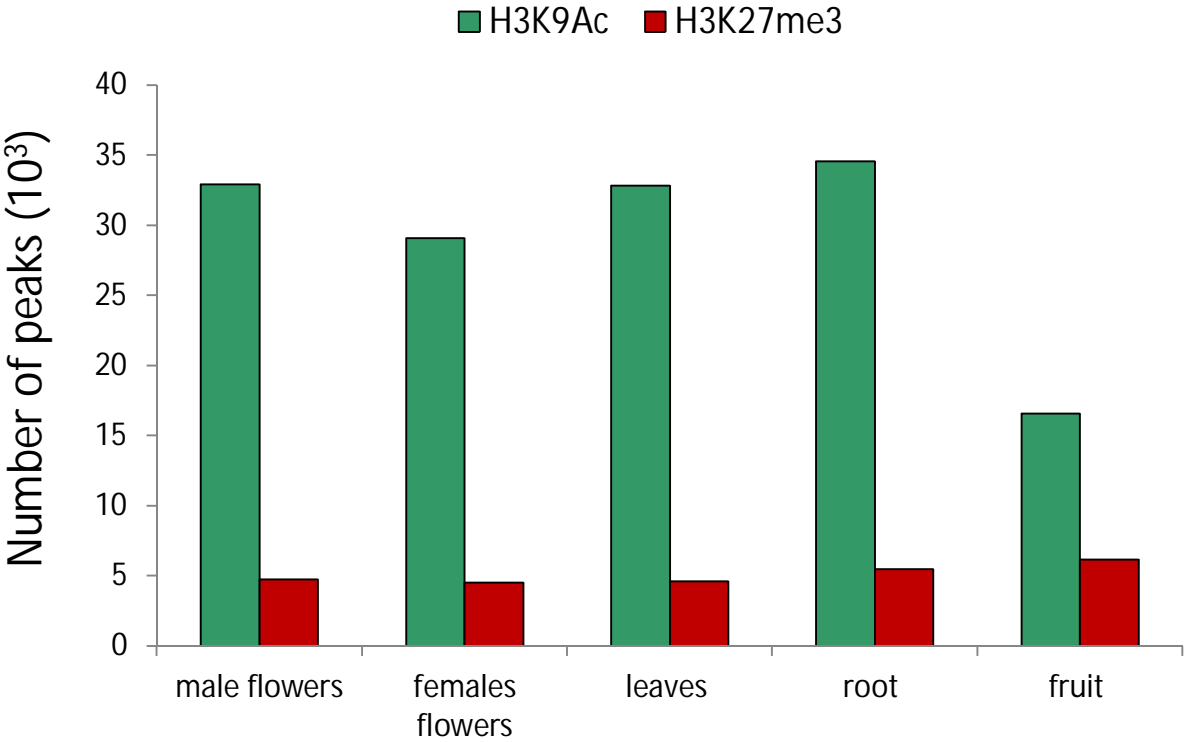


Additional file 1 : Figure S3

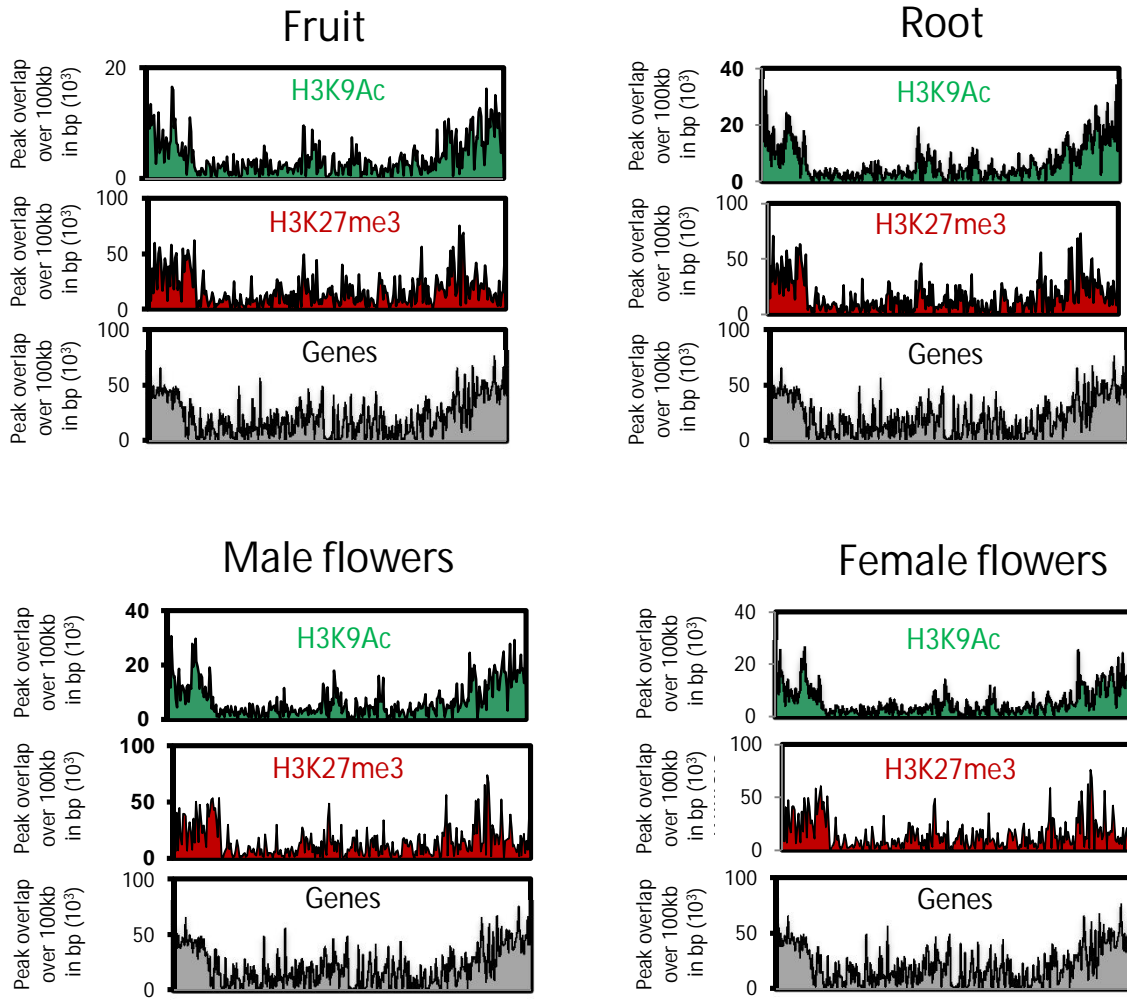
- | | |
|-------------------------|---------------------------|
| ■ H3K9ac Leaves | ■ H3K27me3 Leaves |
| ■ H3K9ac Root | ■ H3K27me3 Root |
| ■ H3K9ac Fruit | ■ H3K27me3 Fruit |
| ■ H3K9ac Female flowers | ■ H3K27me3 Female flowers |
| ■ H3K9ac Male flowers | ■ H3K27me3 Male flowers |
| ■ Genes (+) | ■ Genes (-) |



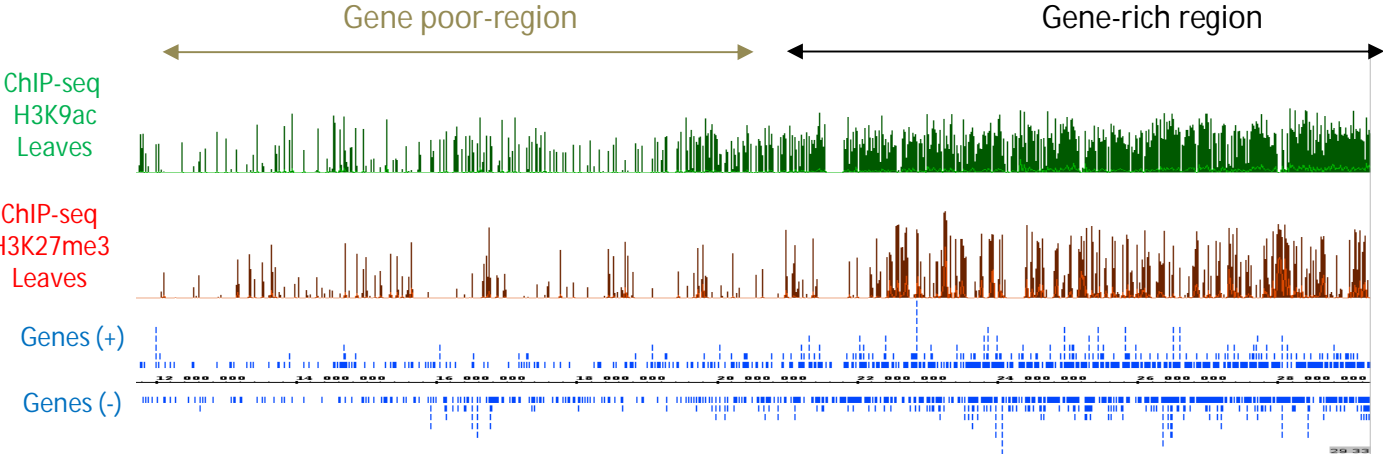
Additional file 1 : Figure S4



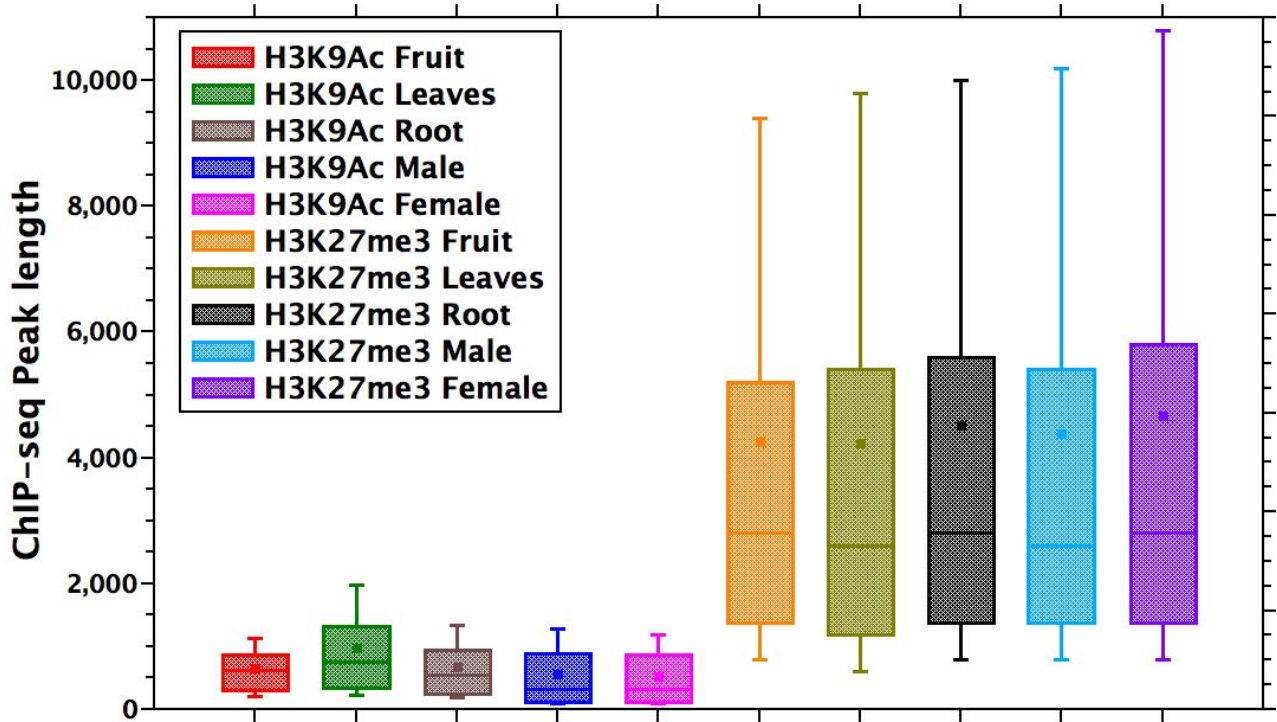
Additional file 1 : Figure S5



Additional file 1 : Figure S6

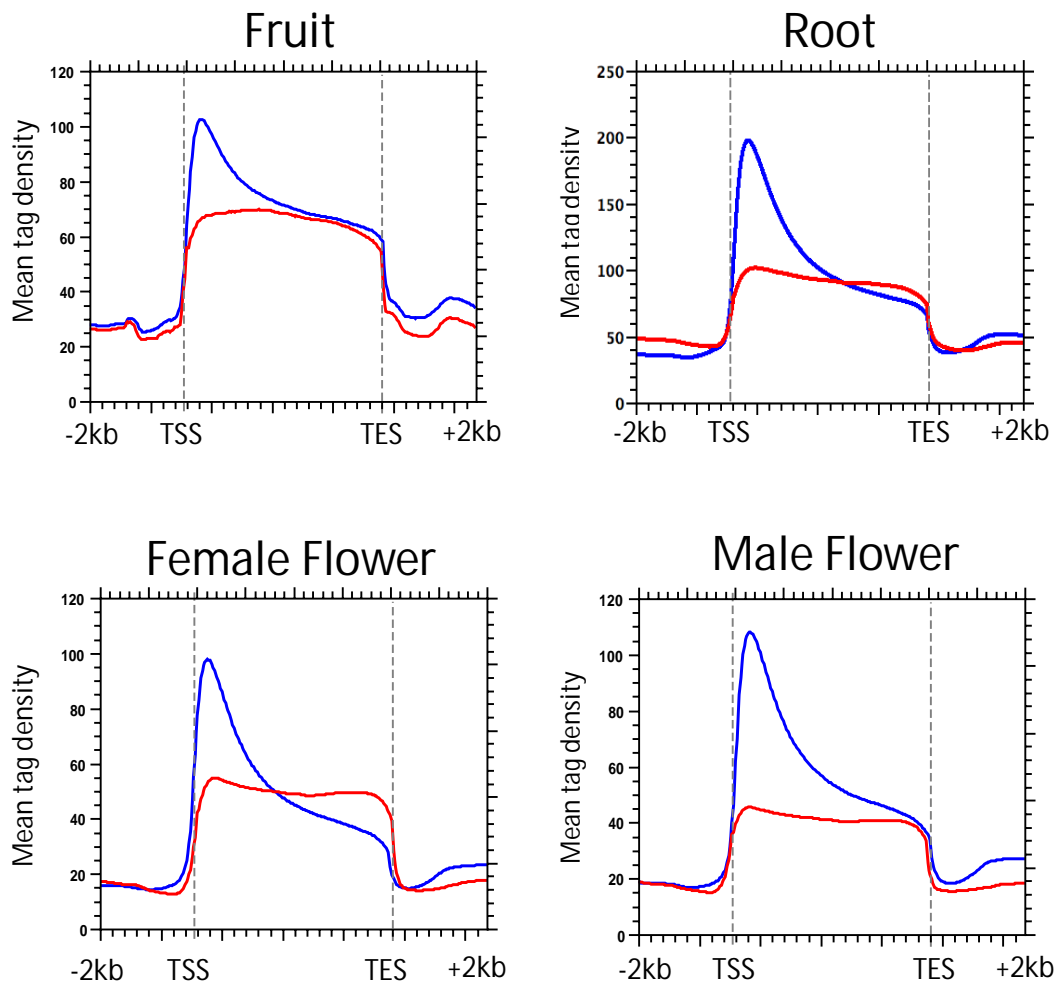


Additional file 1 : Figure S7



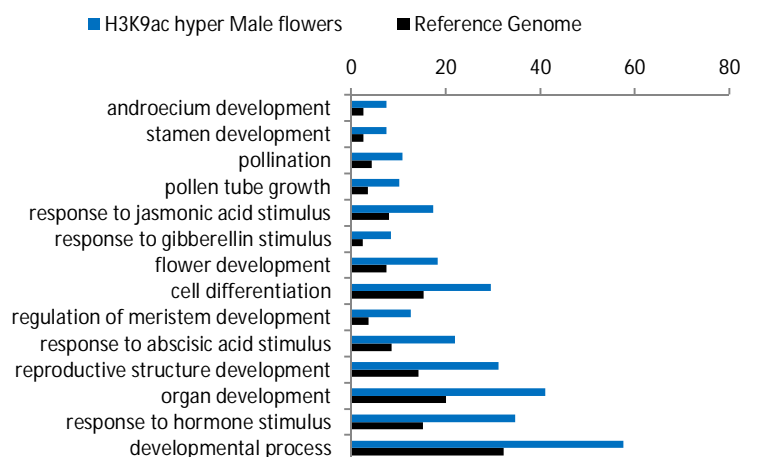
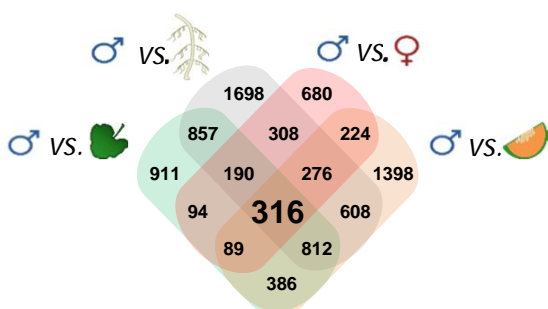
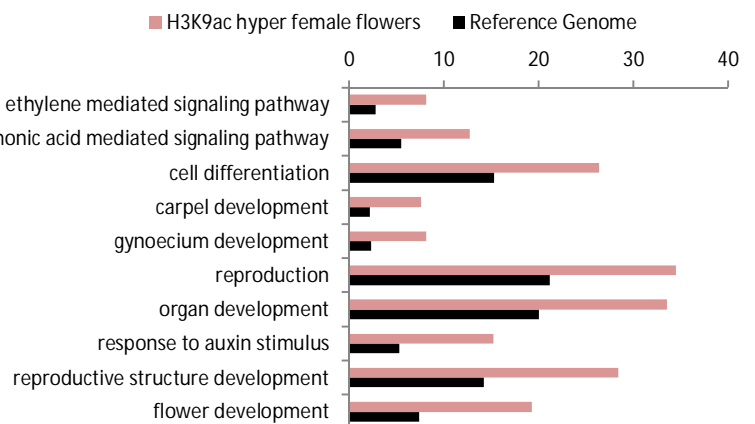
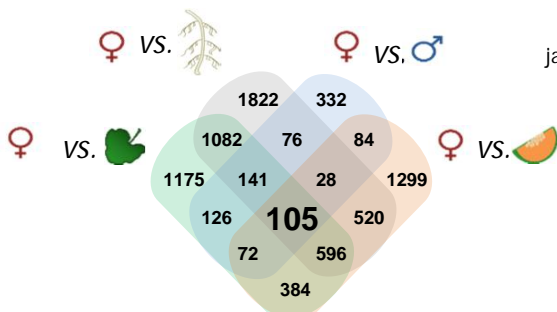
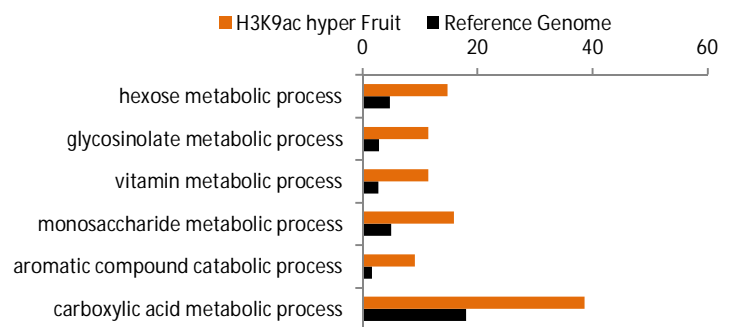
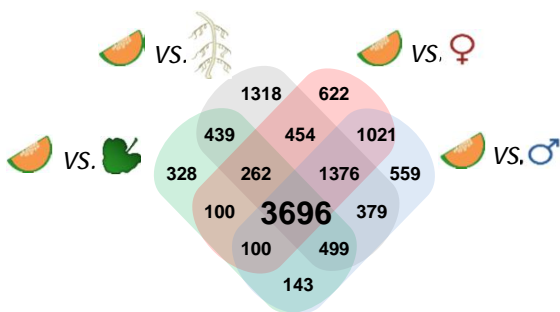
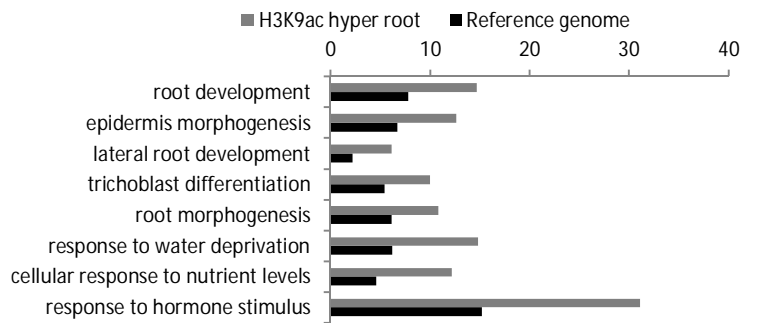
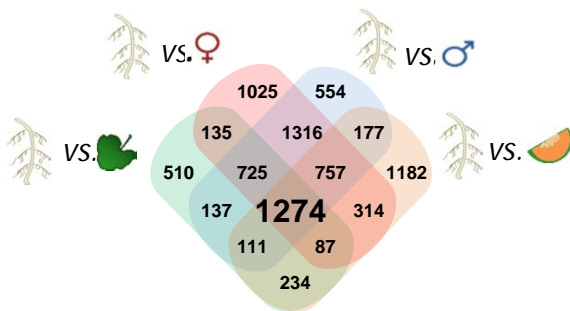
Additional file 1 : Figure S8

■ H3K9ac ■ H3K27me3



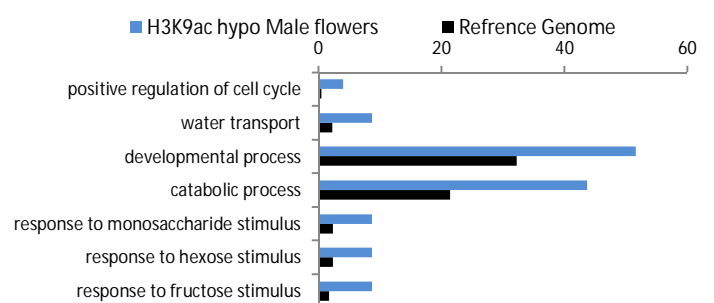
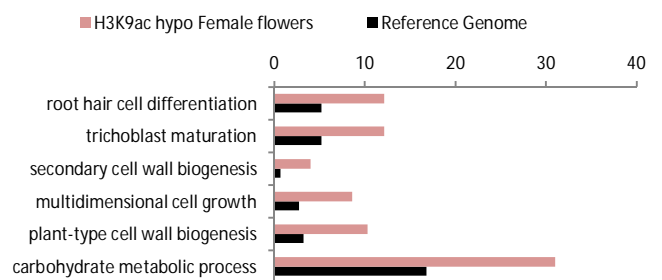
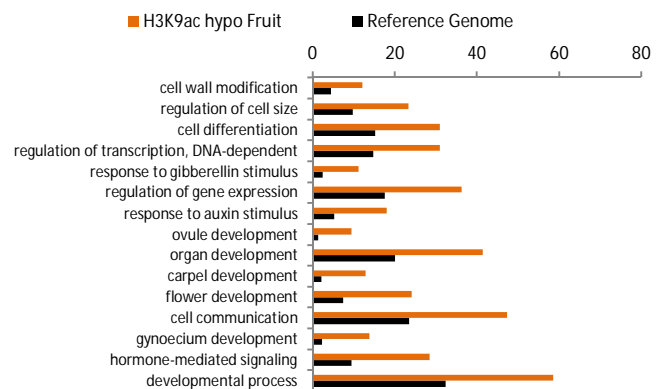
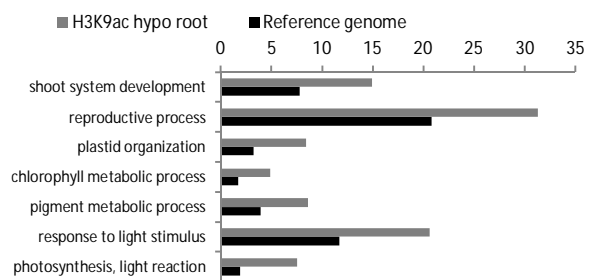
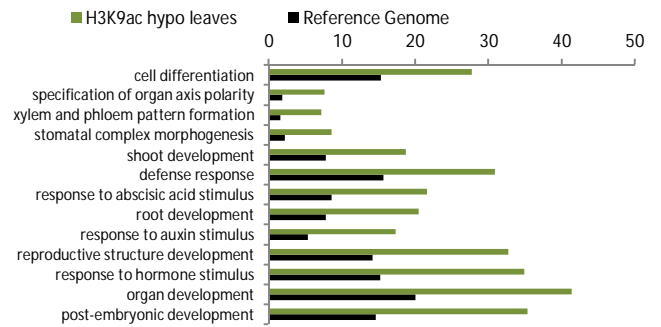
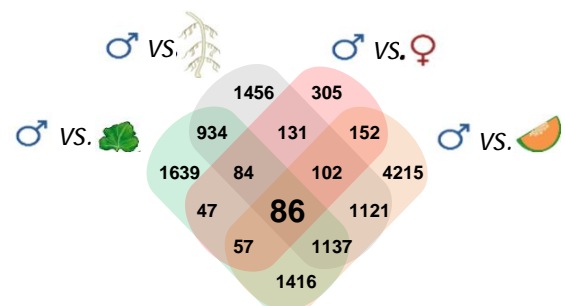
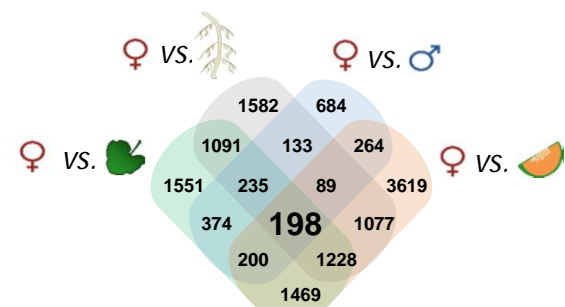
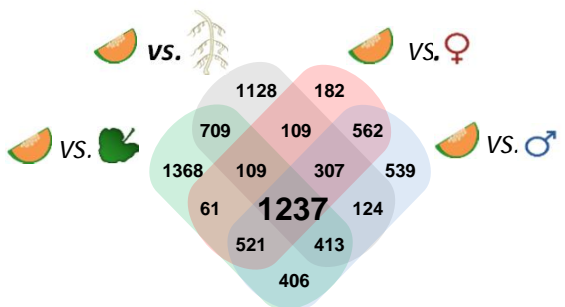
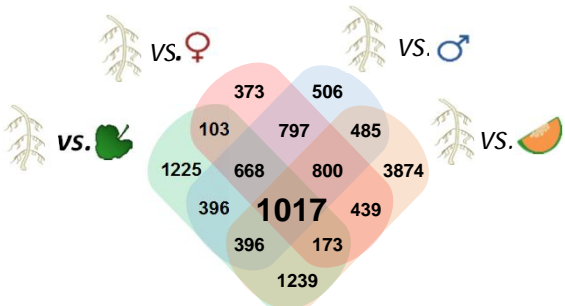
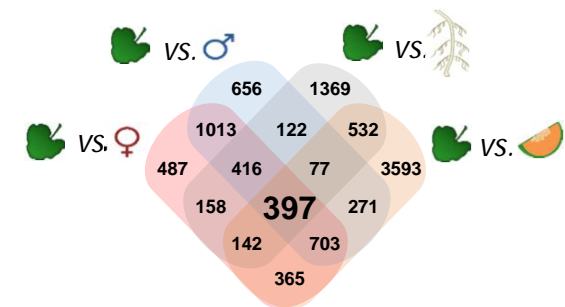
Additional file 1 : Figure S9

H3K9ac hyper-acetylated genes



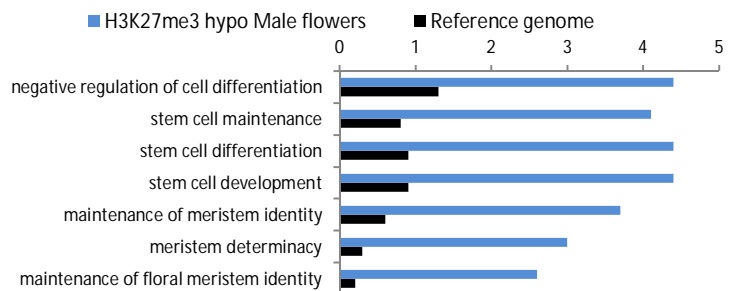
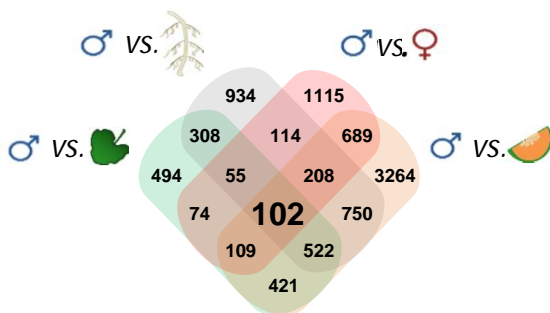
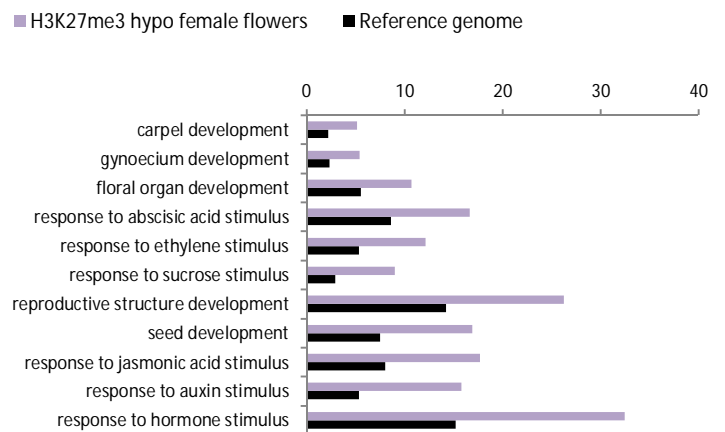
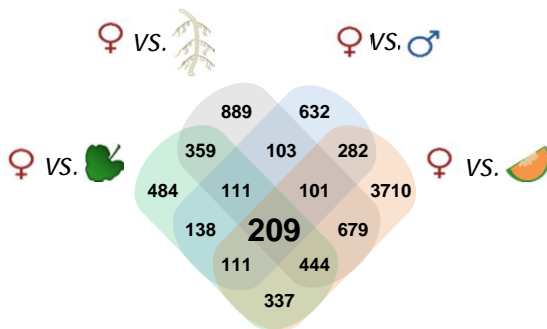
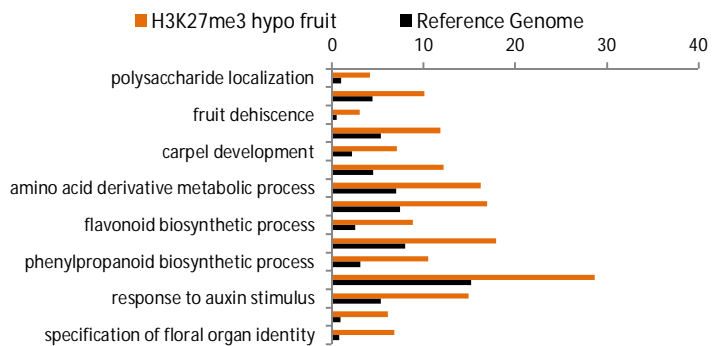
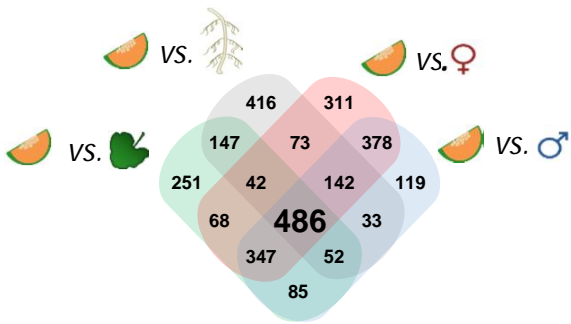
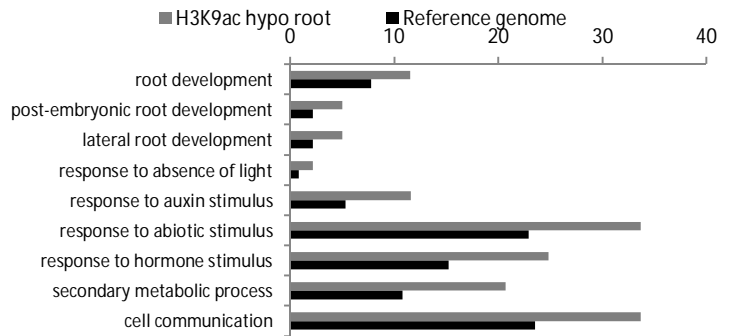
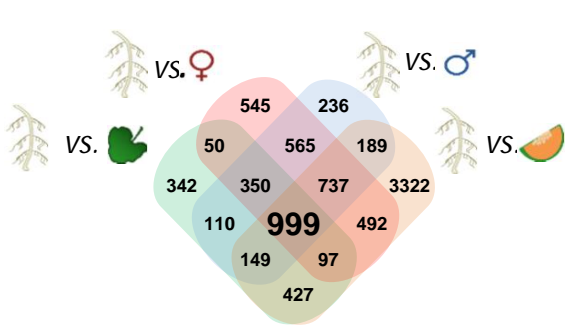
Additional file 1 : Figure S10

H3K9ac hypo-acetylated genes



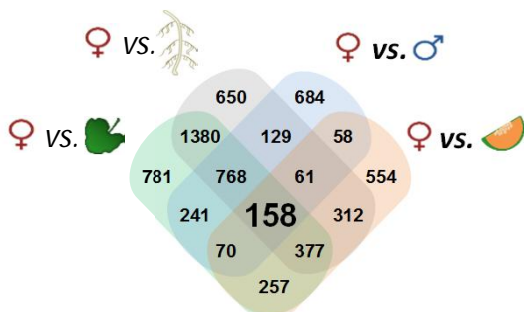
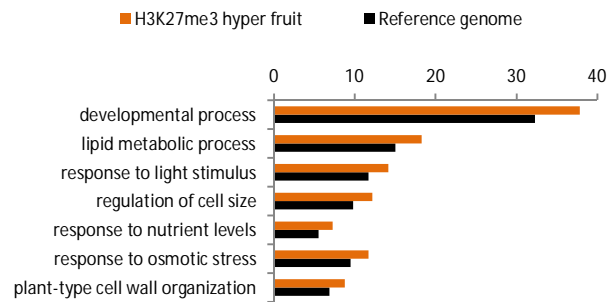
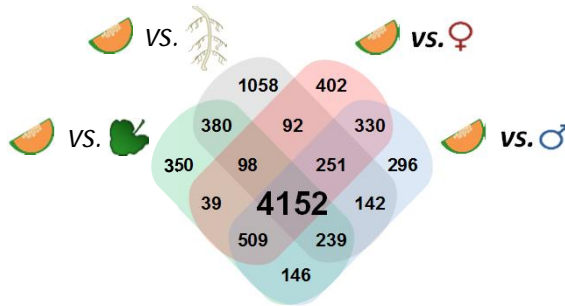
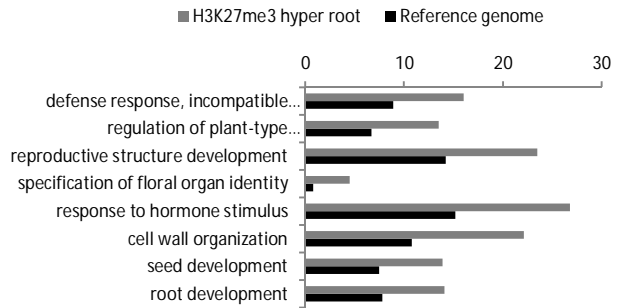
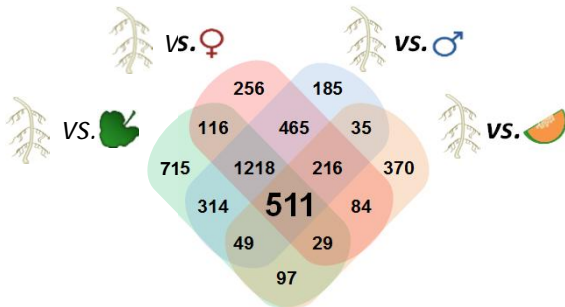
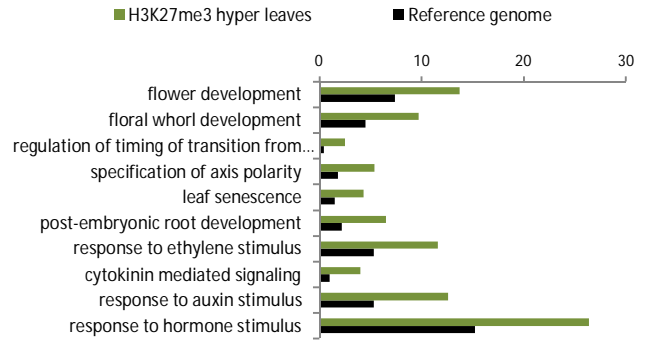
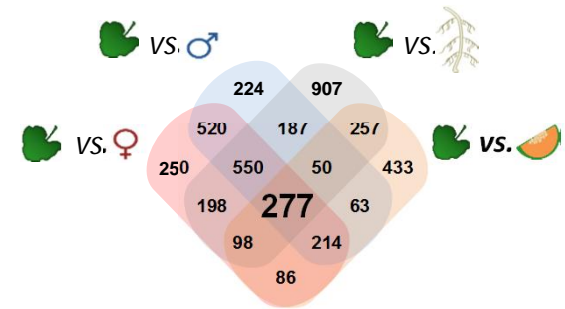
Additional file 1 : Figure S11

H3K27me3 hypo-methylated genes

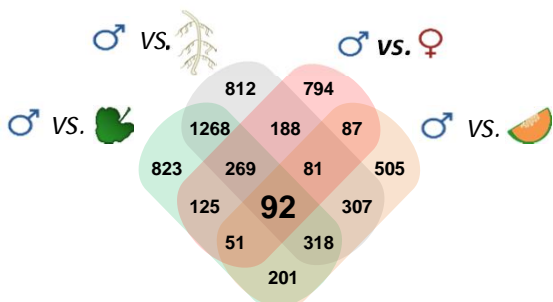


Additional file 1 : Figure S12

H3K27me3 hyper-methylated genes

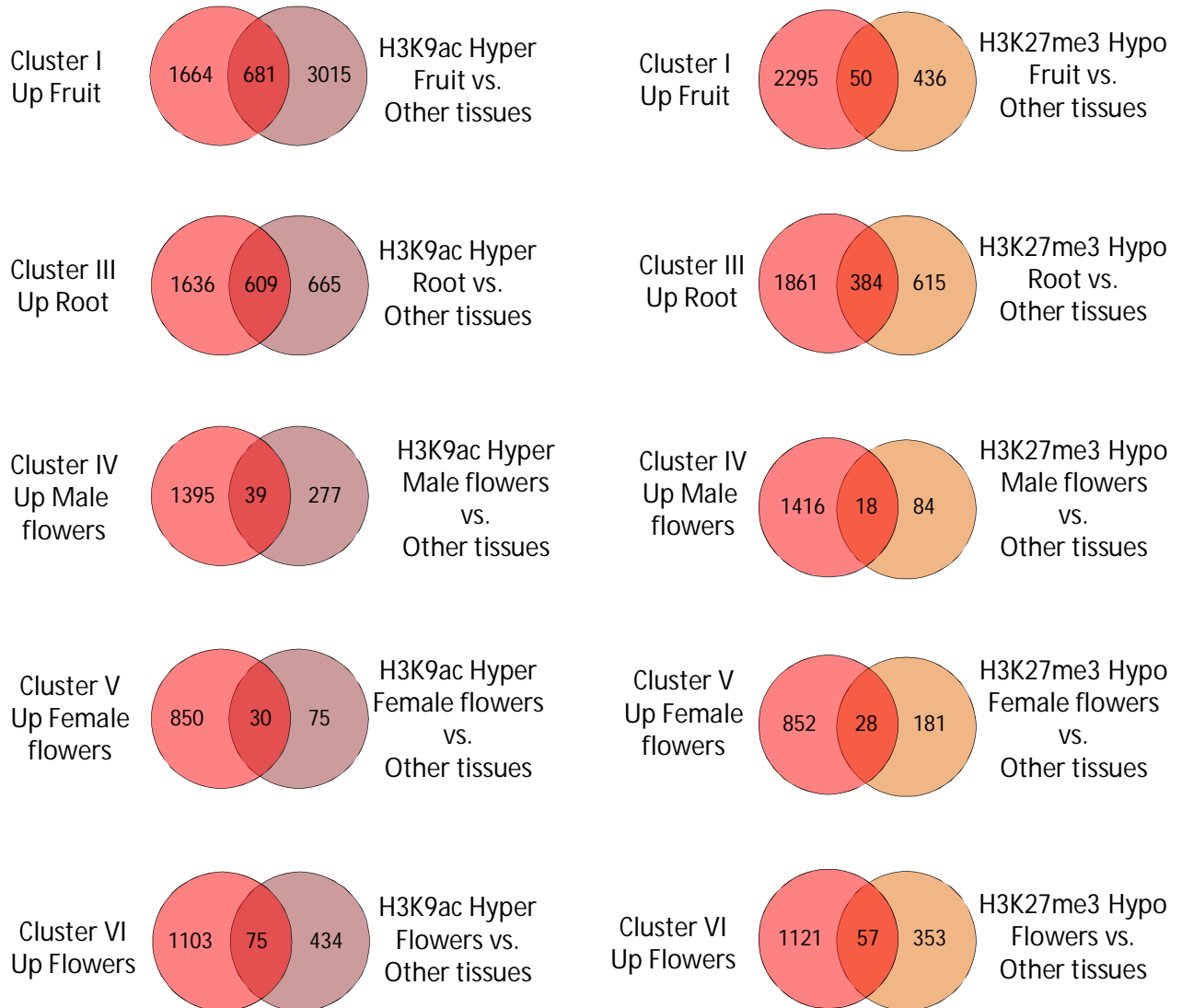


No significant GO process



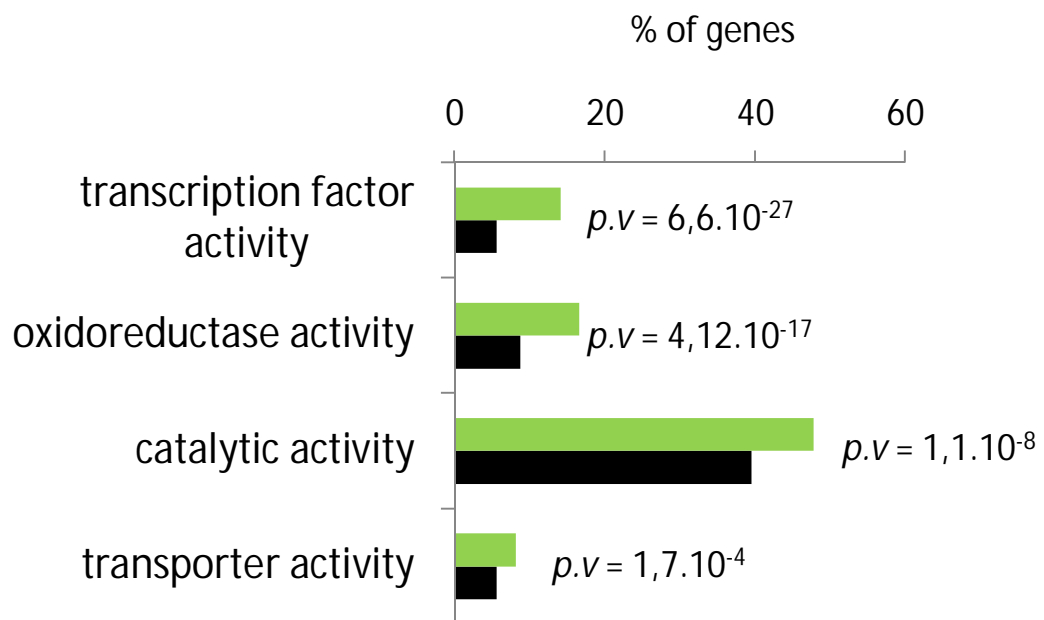
No significant GO process

Additional file 1 : Figure S13

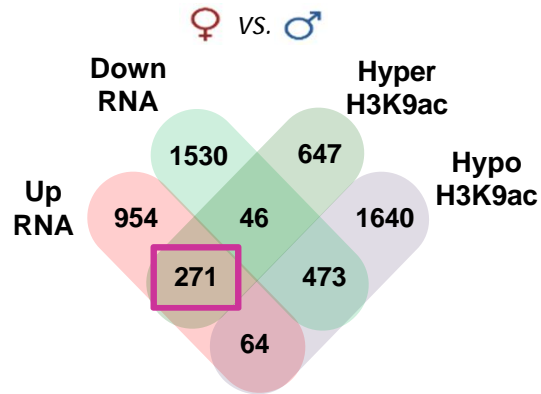


Additional file 1 : Figure S14

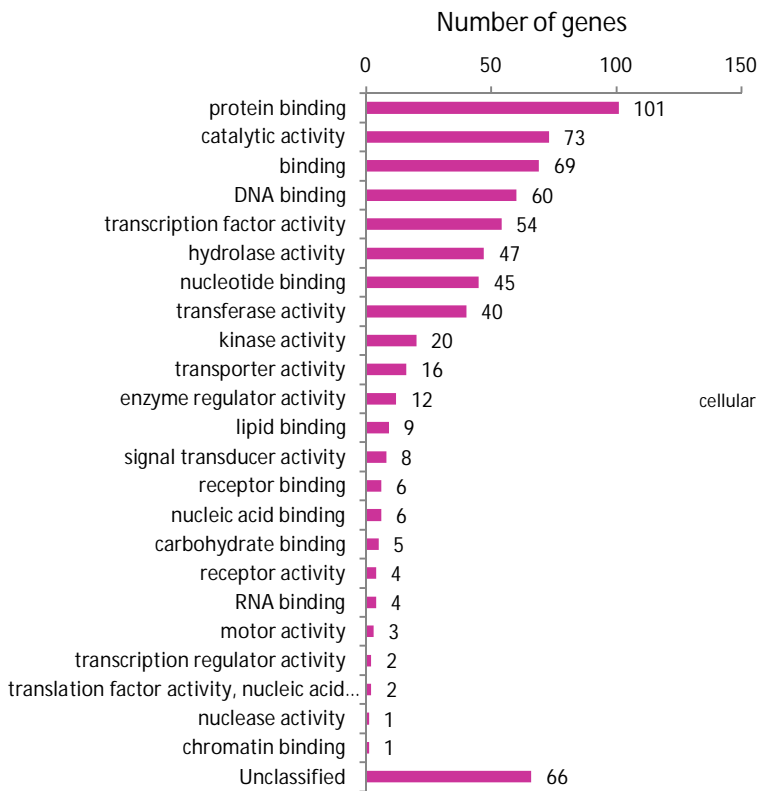
- H3K9ac or H3K27me3 regulated genes in male flowers vs. female flowers (1093 genes)
- Reference genome (27427 genes)



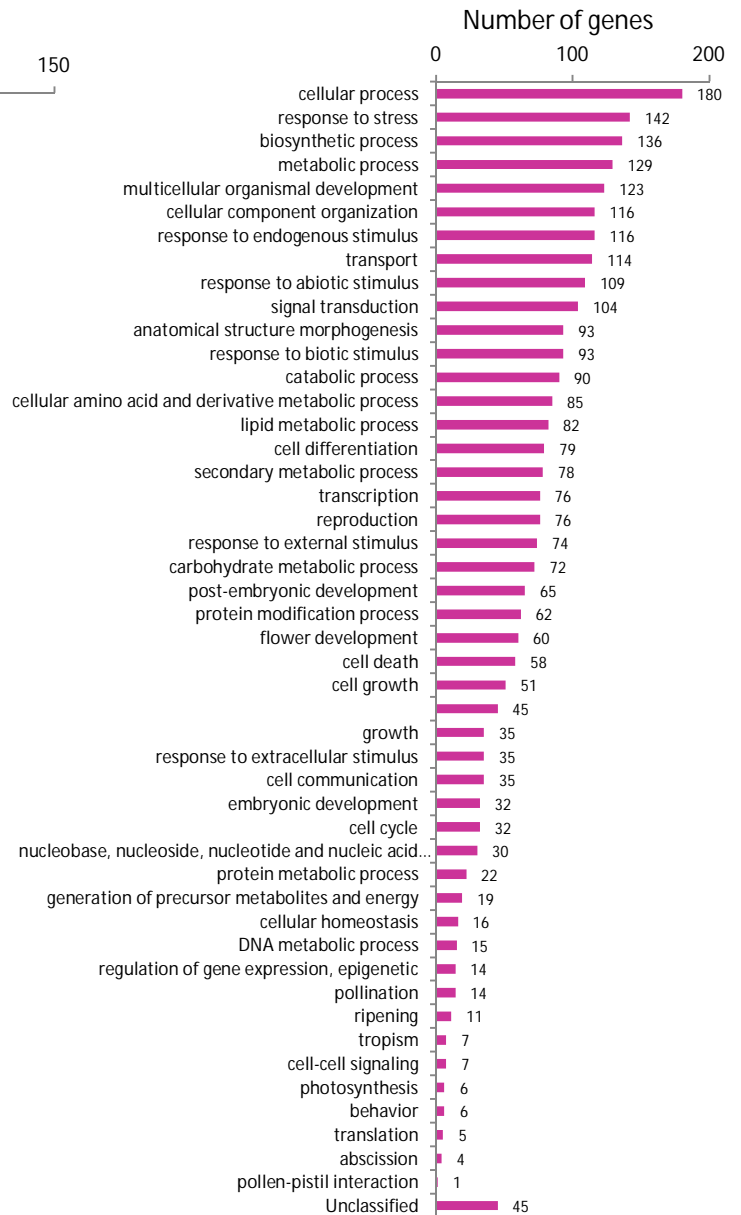
Additional file 1 : Figure S15



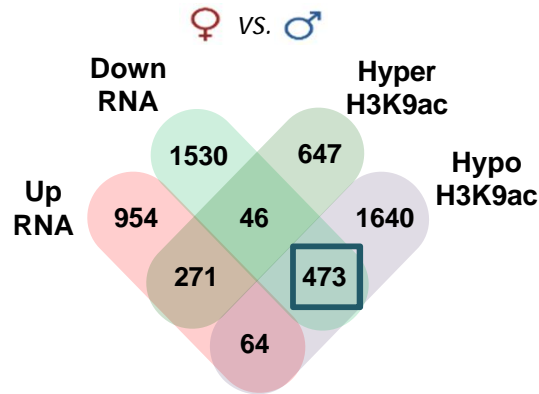
Function



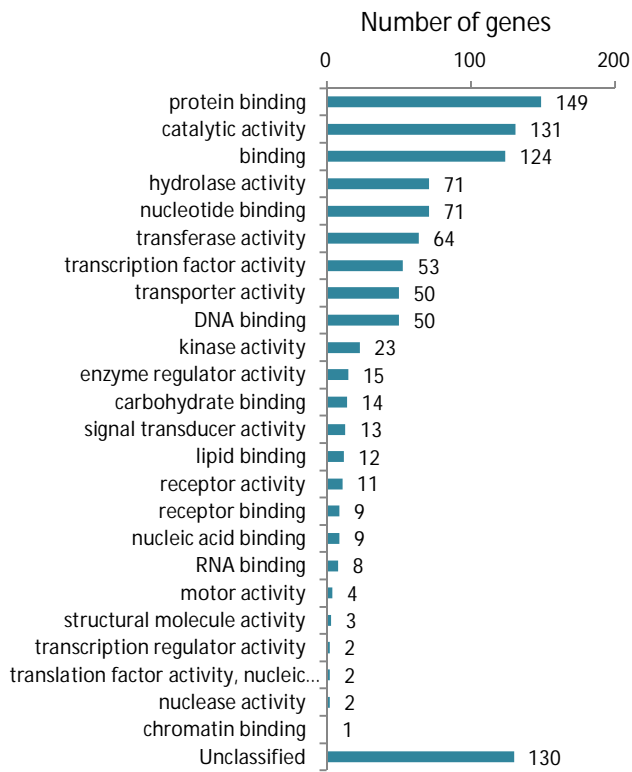
Process



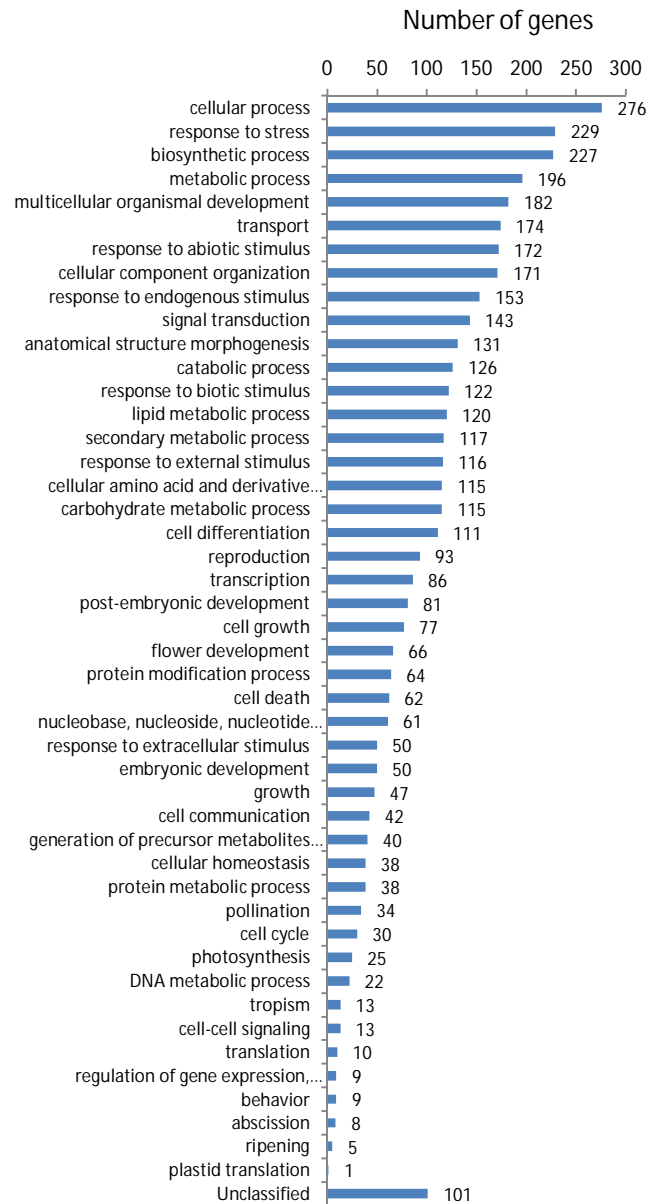
Additional file 1 : Figure S16



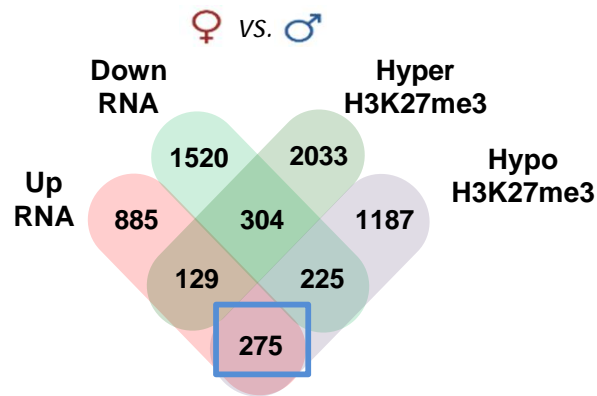
Function



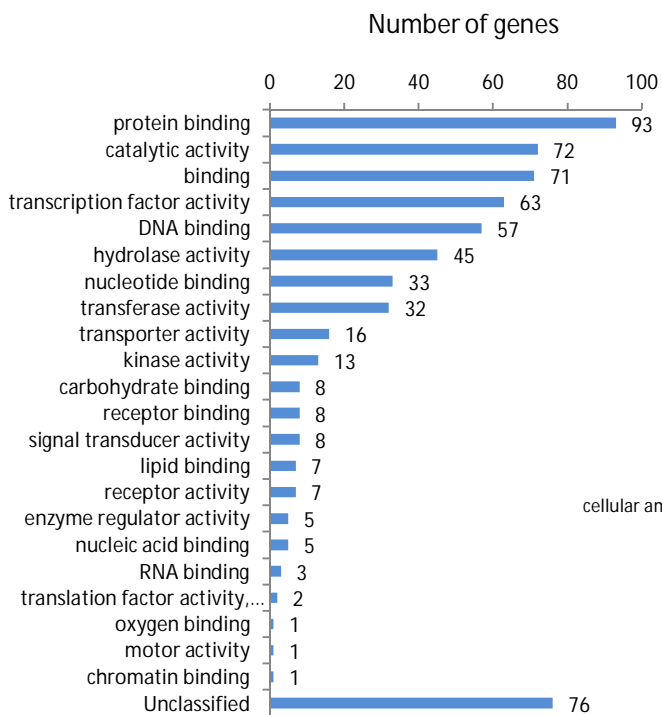
Process



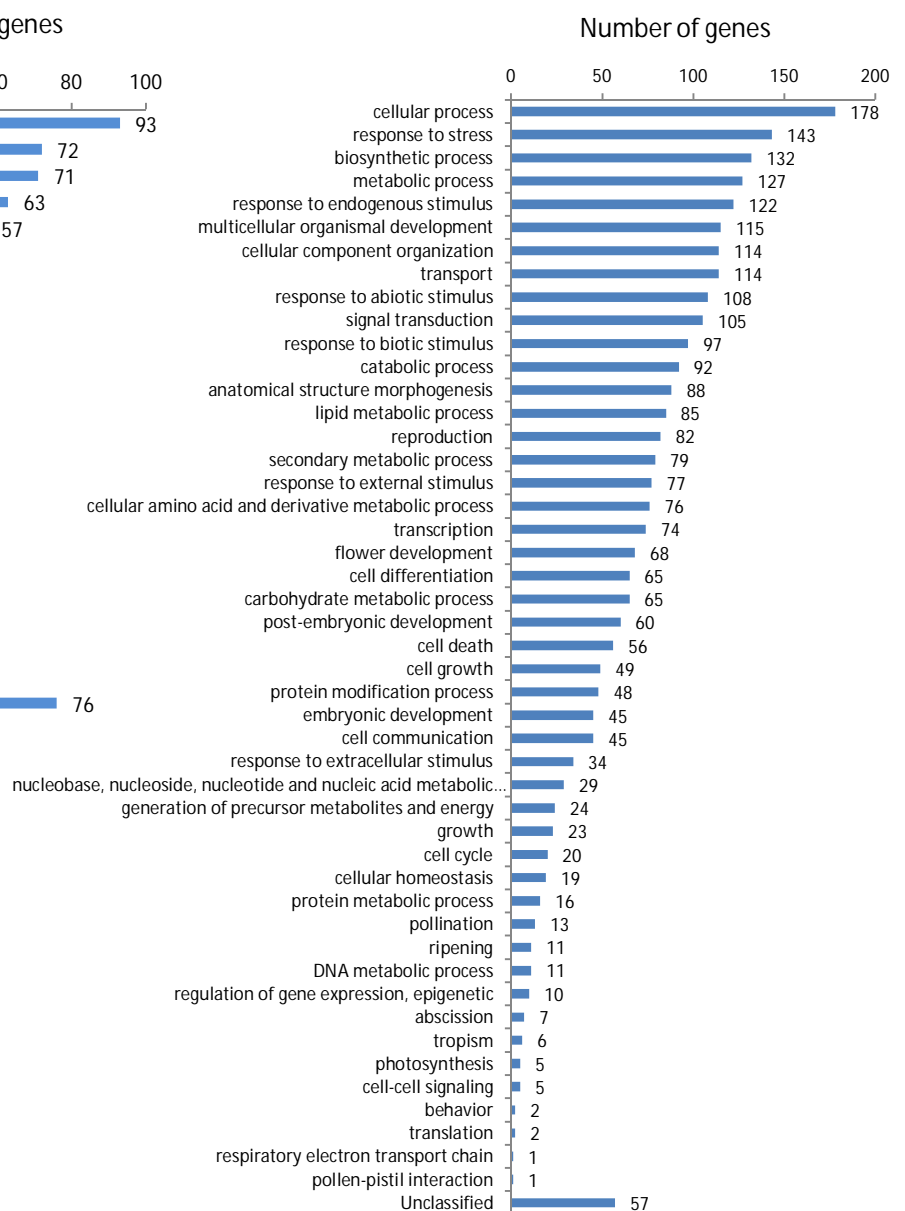
Additional file 1 : Figure S17



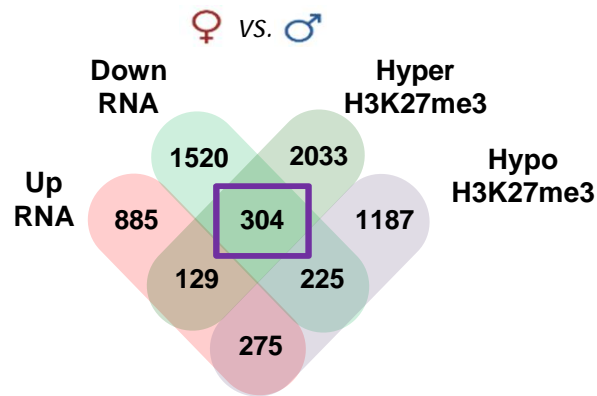
Function



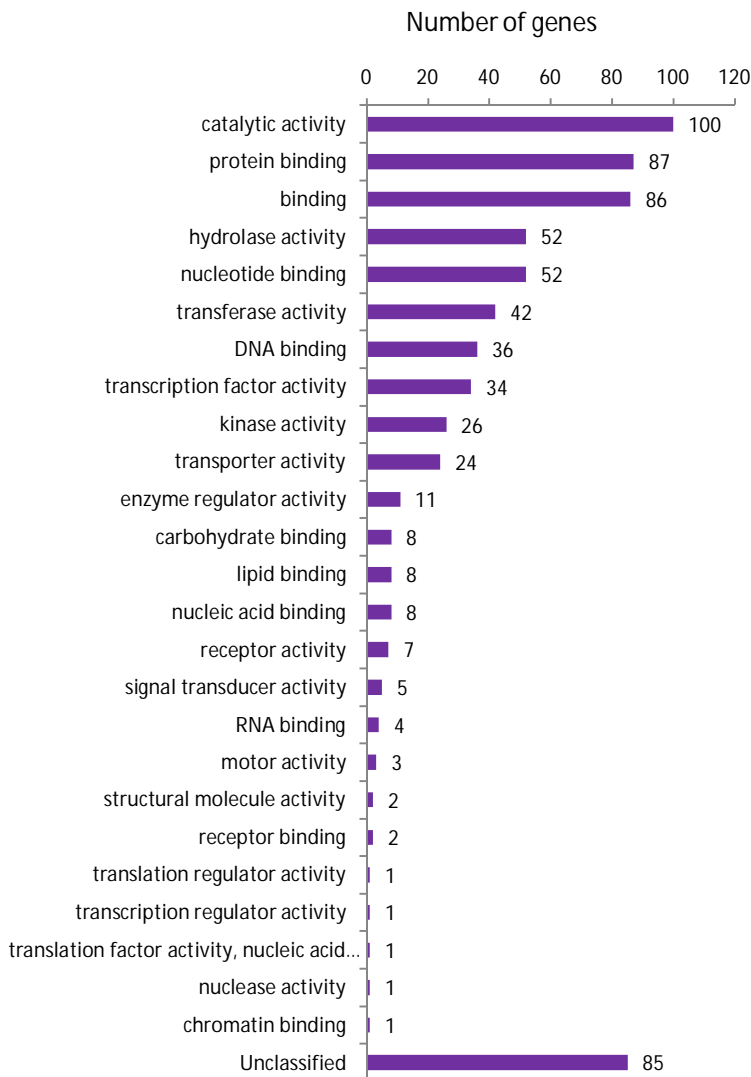
Process



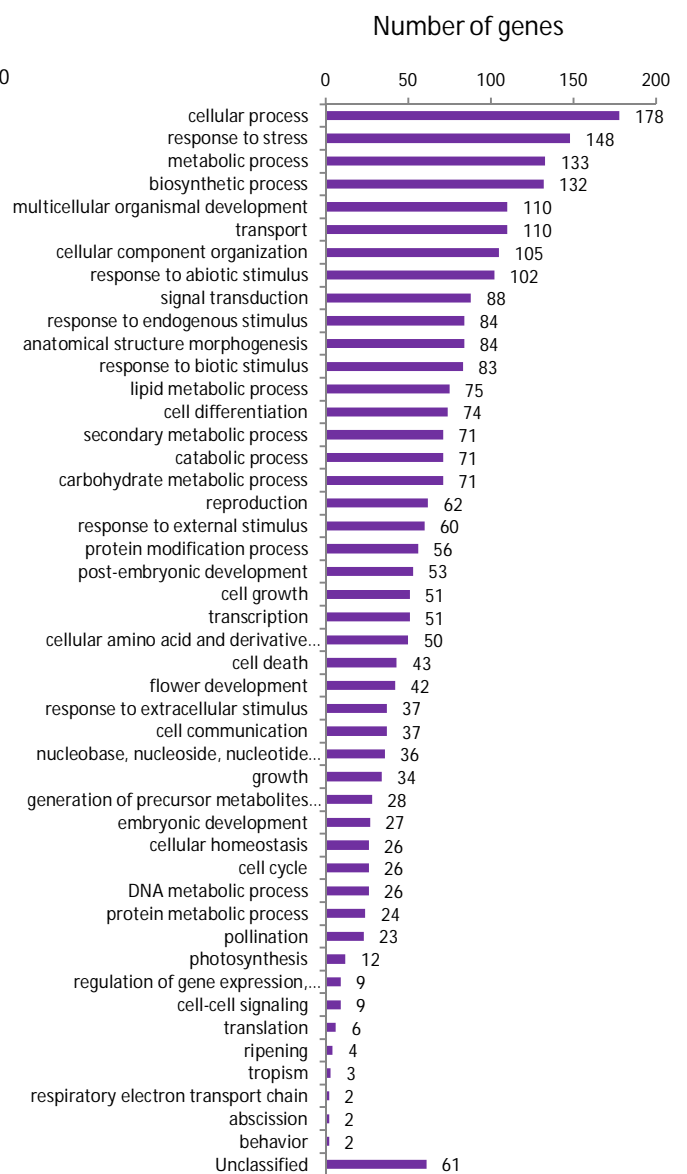
Additional file 1 : Figure S18



Function

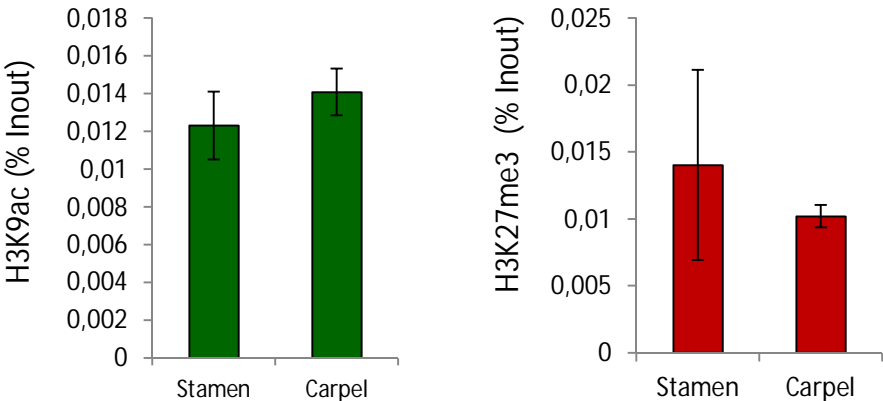


Process



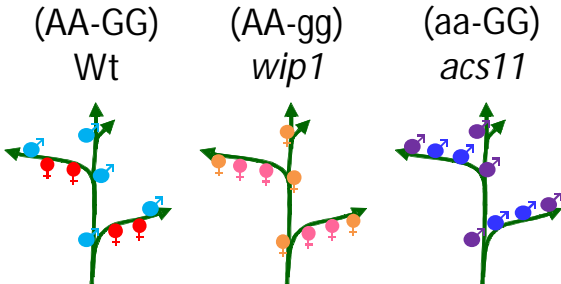
Additional file 1 : Figure S19

MELO3C115188
(Negative control)

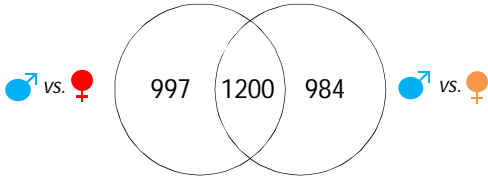


Additional file 1 : Figure S20

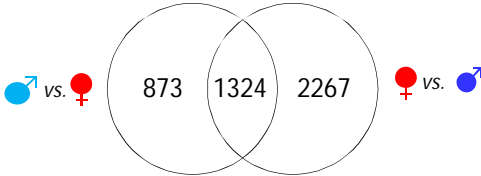
A.



B.

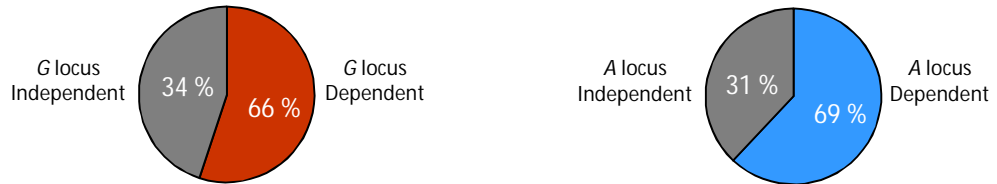


C.

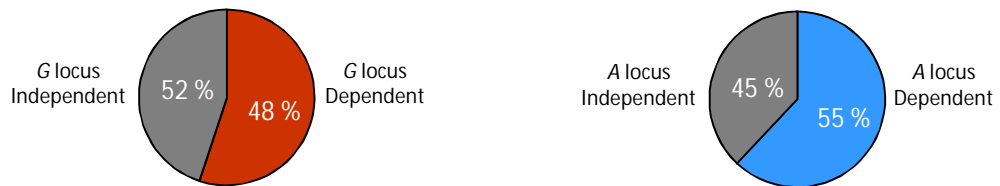


Additional file 1 : Figure S21

H3K27me3 hypo-methylated genes
between male and female flowers

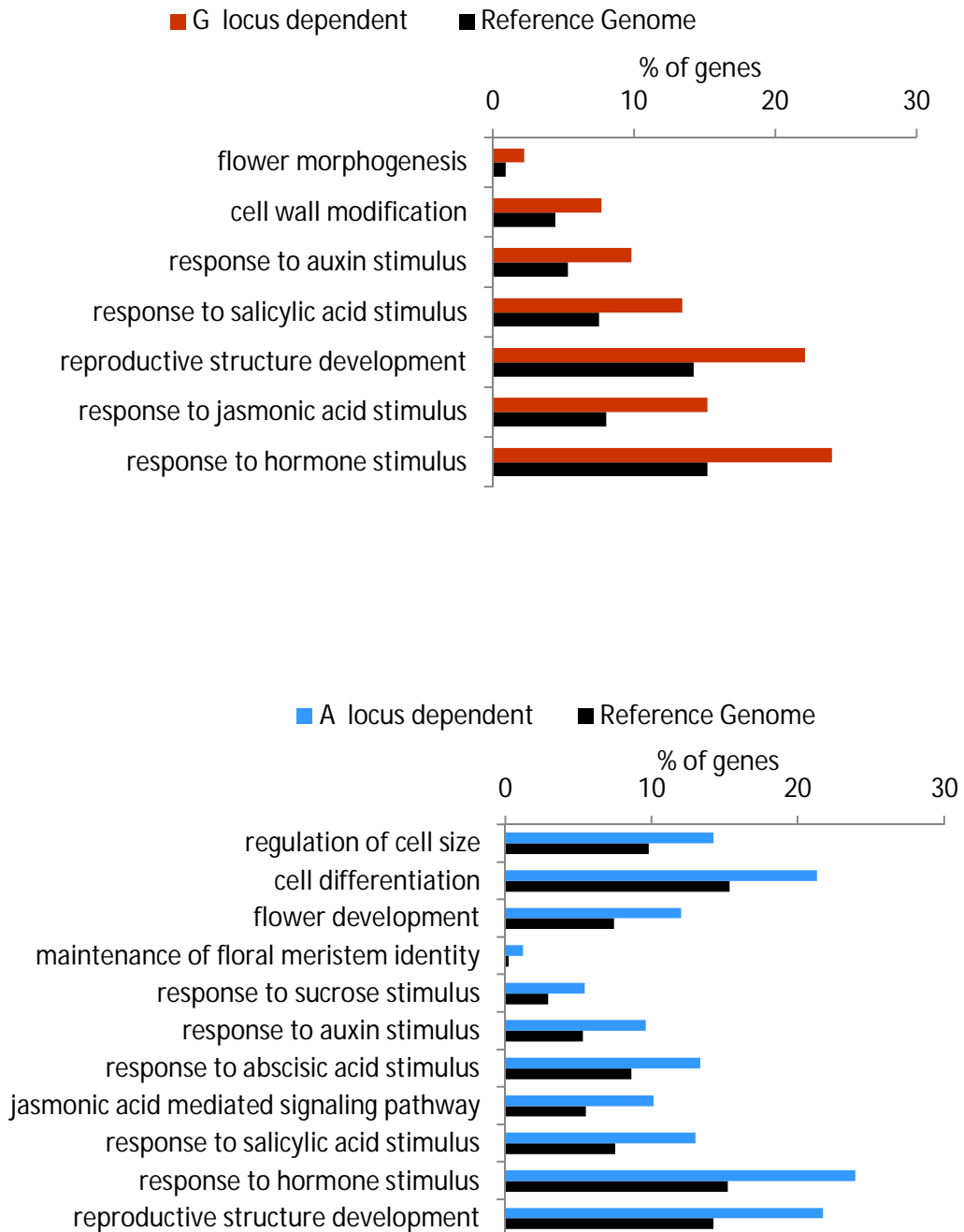


H3K27me3 hyper-methylated genes
between male and female flowers



Additional file 1 : Figure S22

H3K27me3 differentially marked genes between male and female flowers



Additional file 1 : Figure S23

