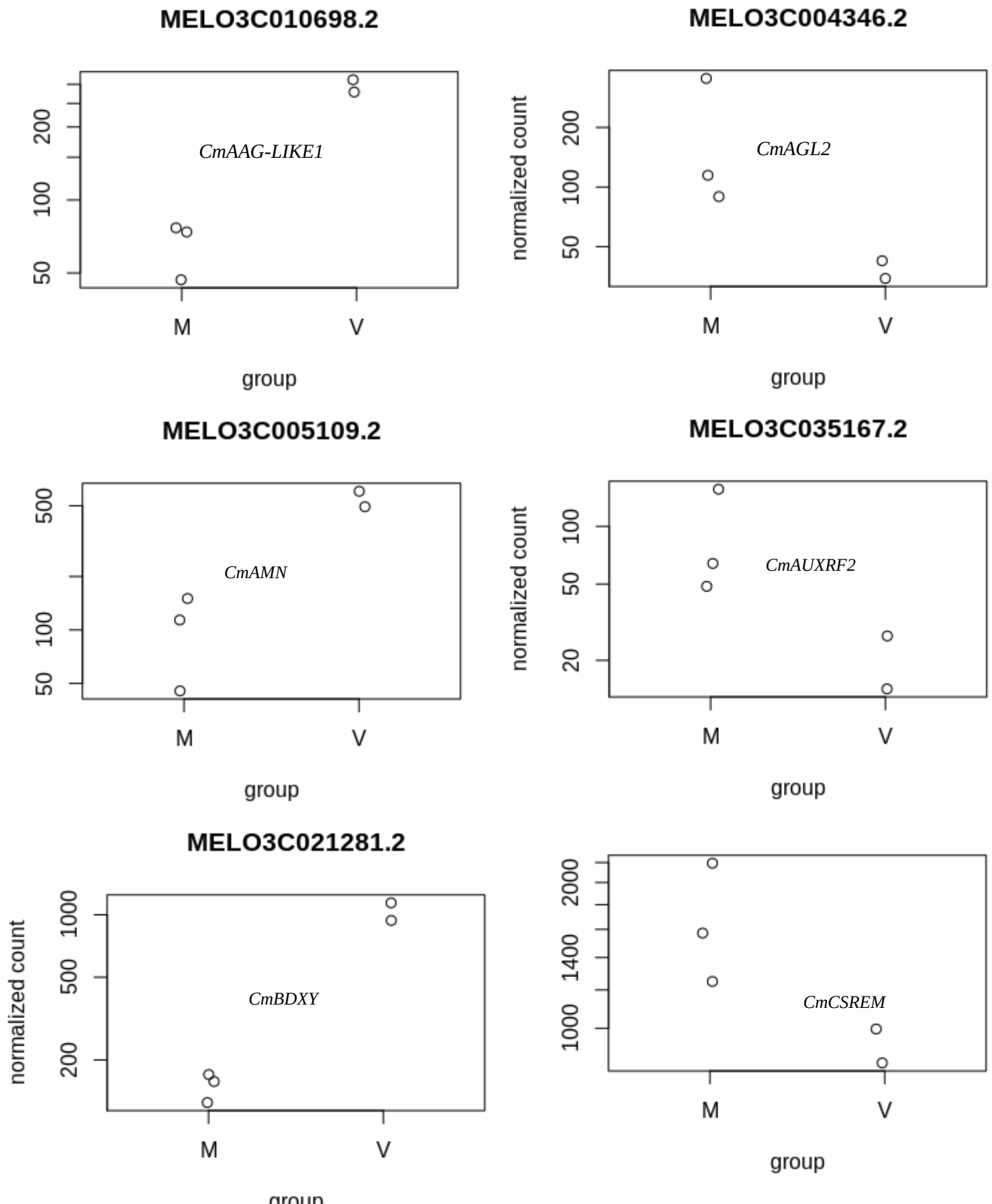
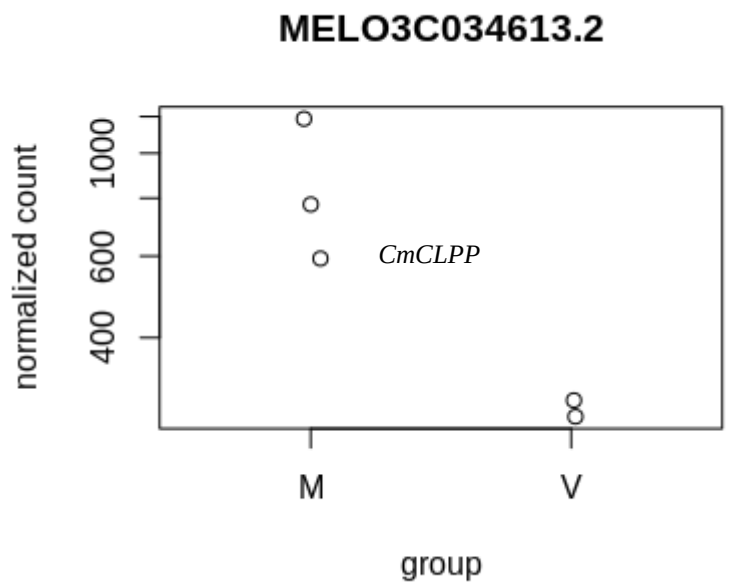
Figure S10: Graphics of the normalized counts reads per gene obtained by RNA-seq results (plotCounts function of DESeq2 analysis - differential gene expression analysis based on the negative binomial distribution).

1) DE genes not present in KEEG pathway database.

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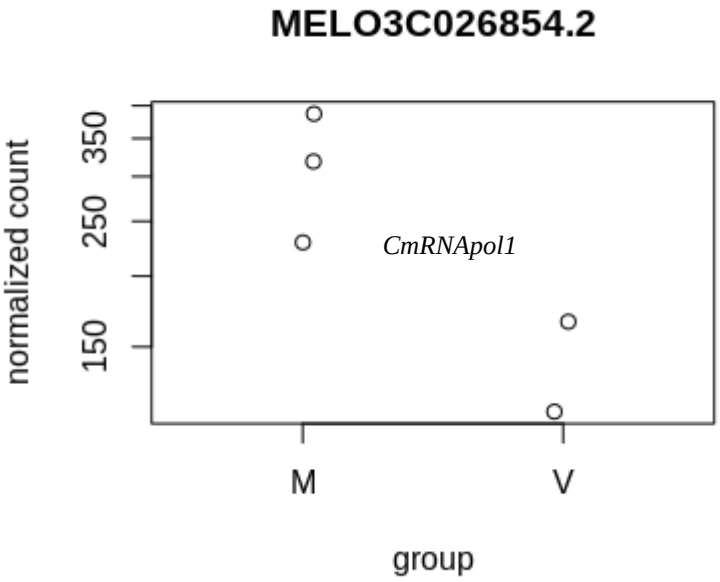
600
1000
CmCLPP
M
V
group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350
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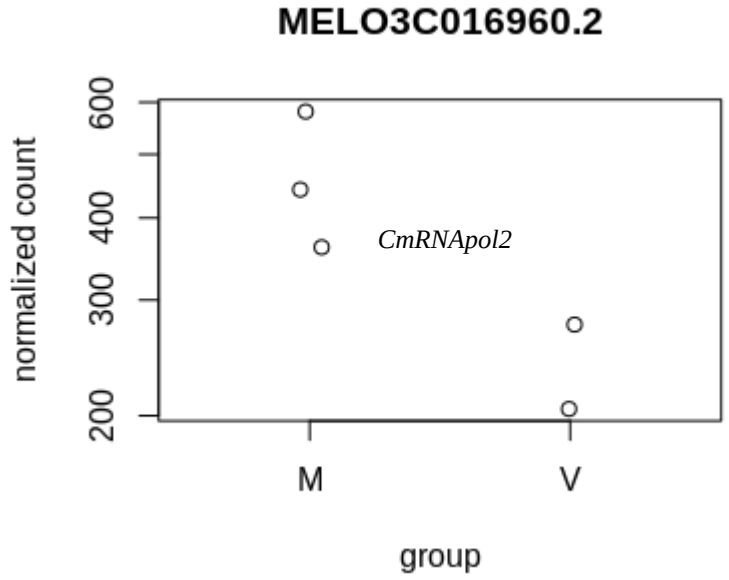
M
V
group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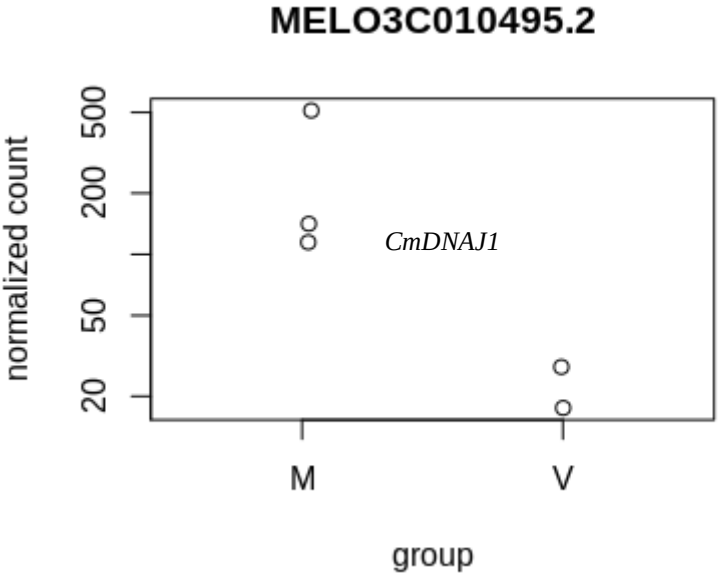
600
CmRNApol2
M
V
group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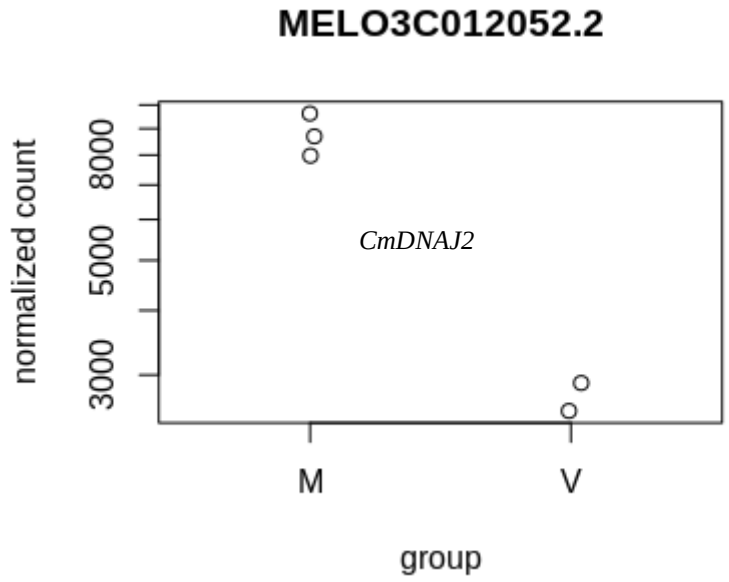
group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8000
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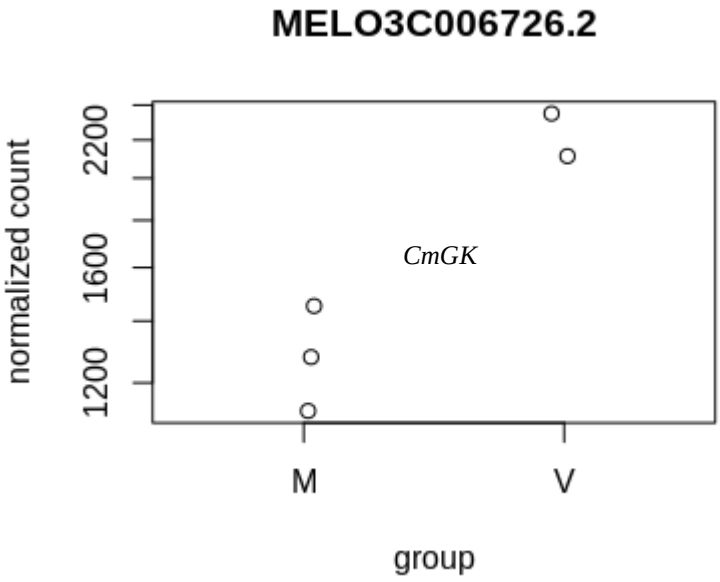
V
group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2200
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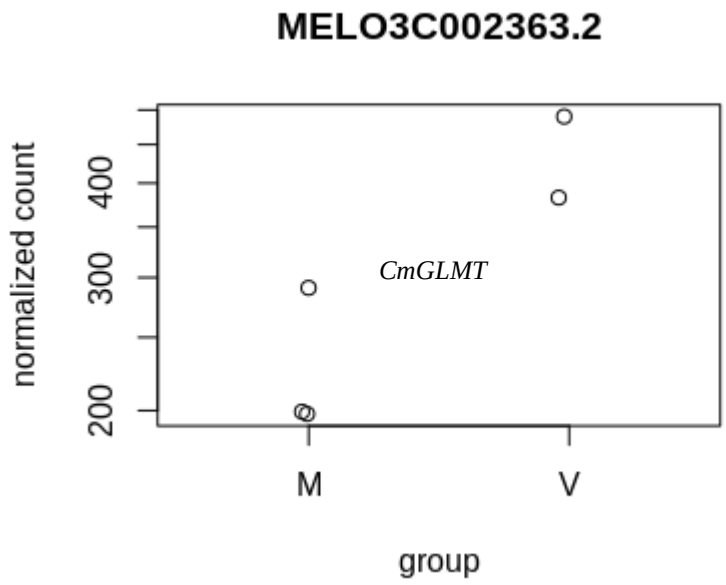
M
V
group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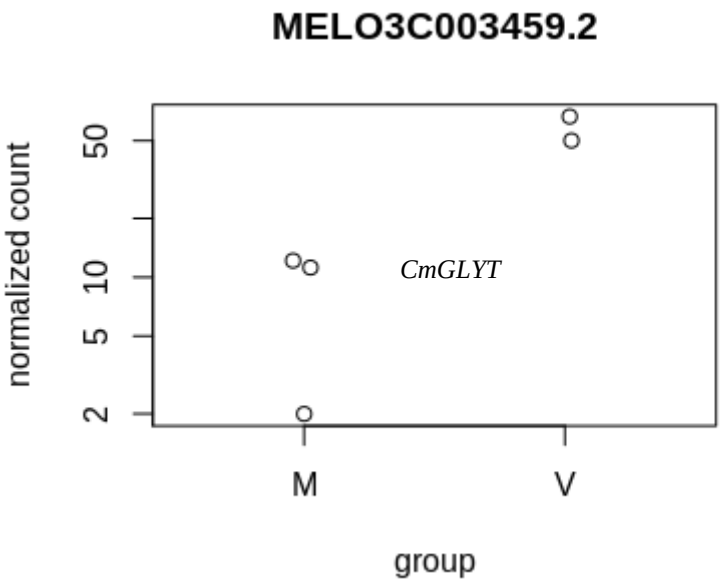
M
V
group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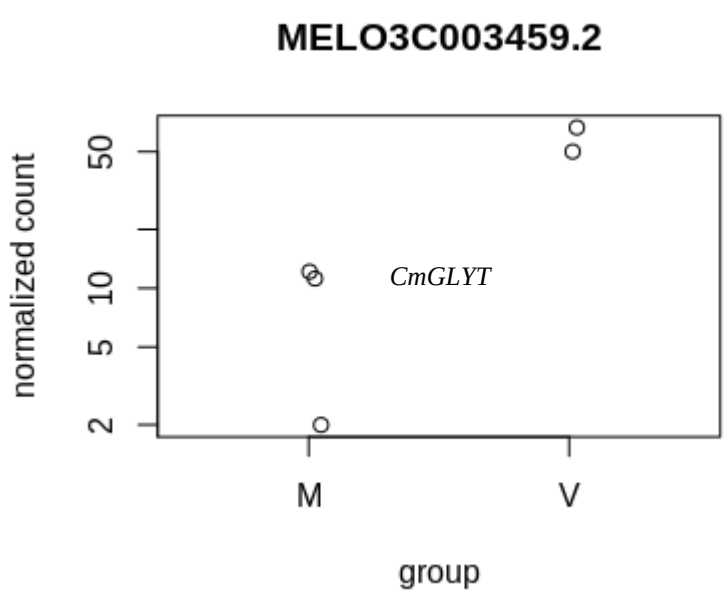
10
50
CmGLYT
M
V
group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normalized count
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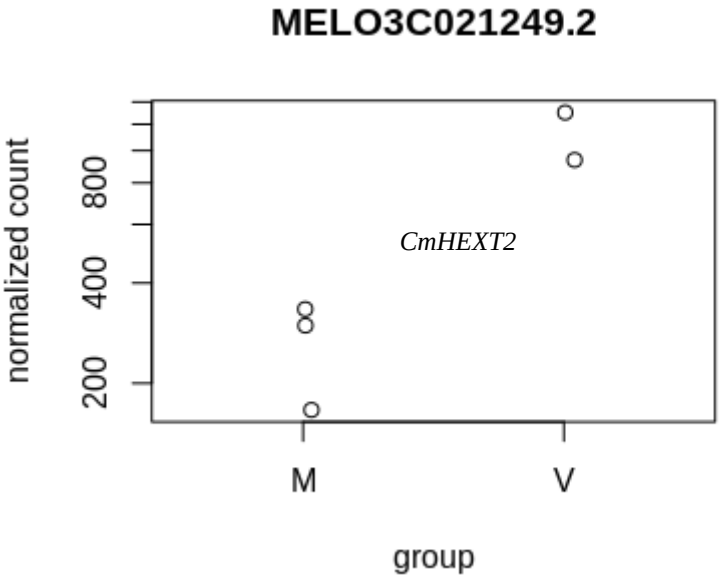
50
CmGLYT
M
V
group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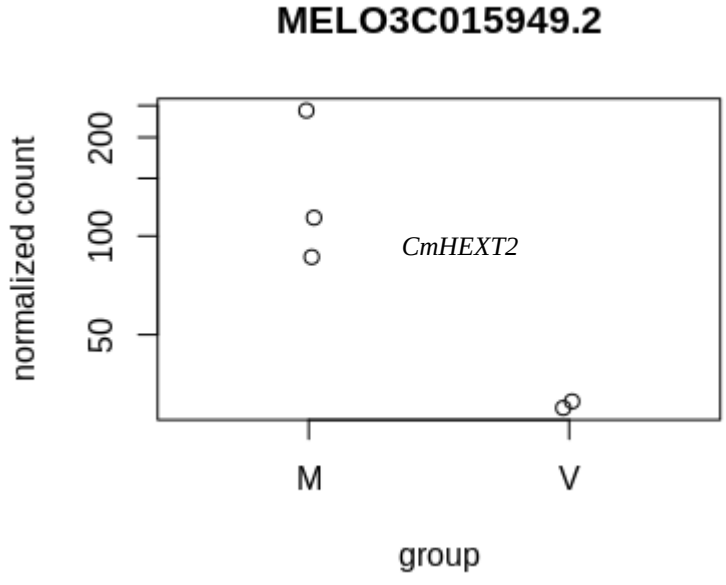
V
group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200
CmHEXT2
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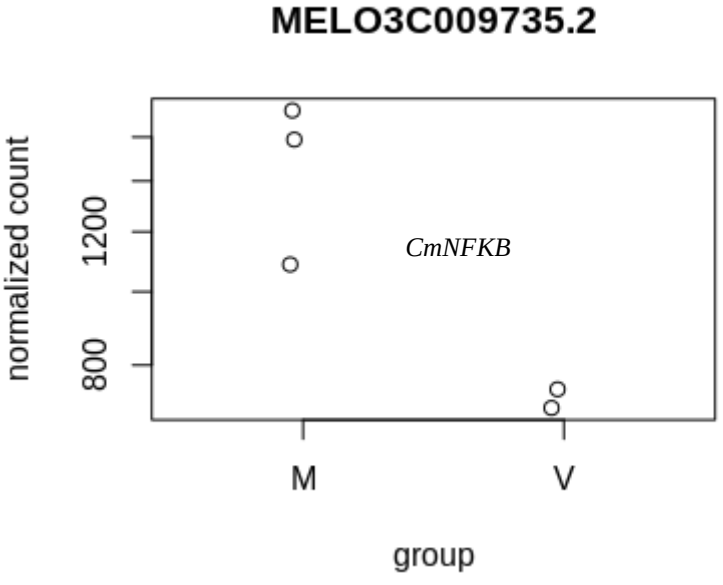
group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normalized count
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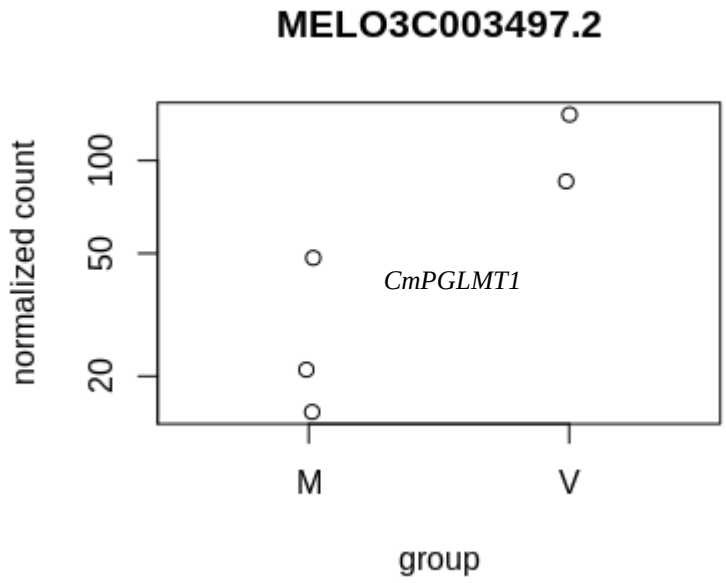
1200
CmNFKB
M
V
group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V
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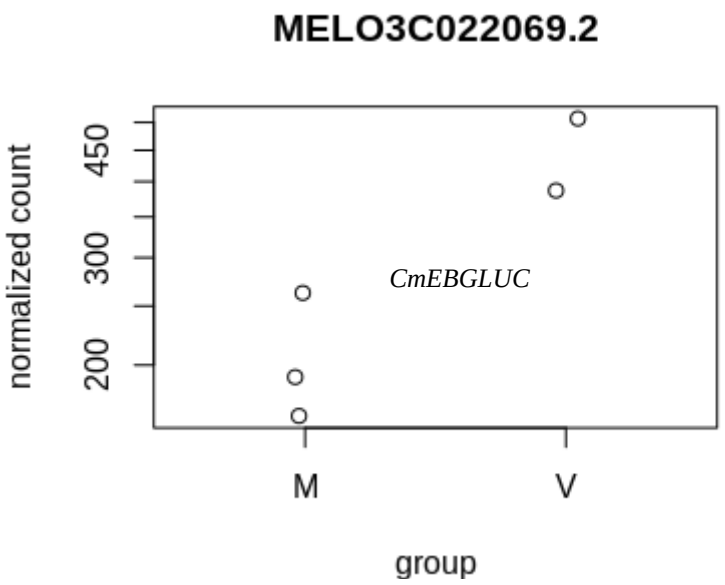
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normalized count
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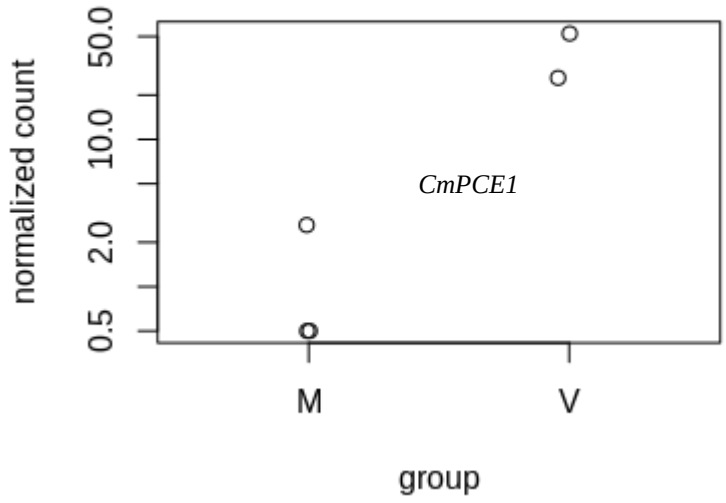
CmEBGLUC
M
V
group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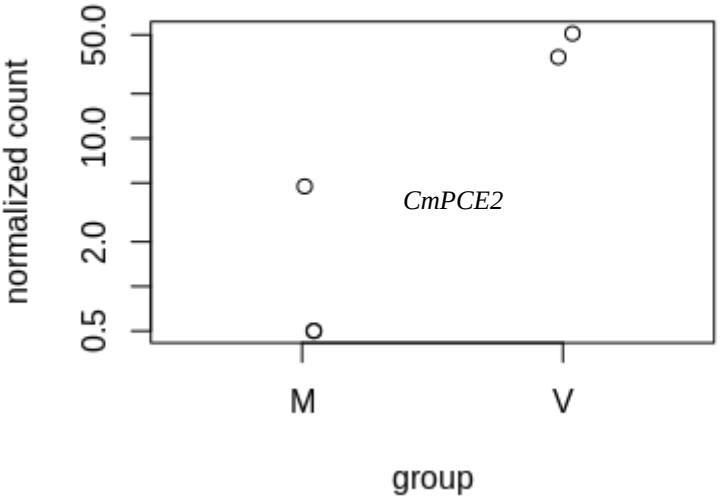
M
V
group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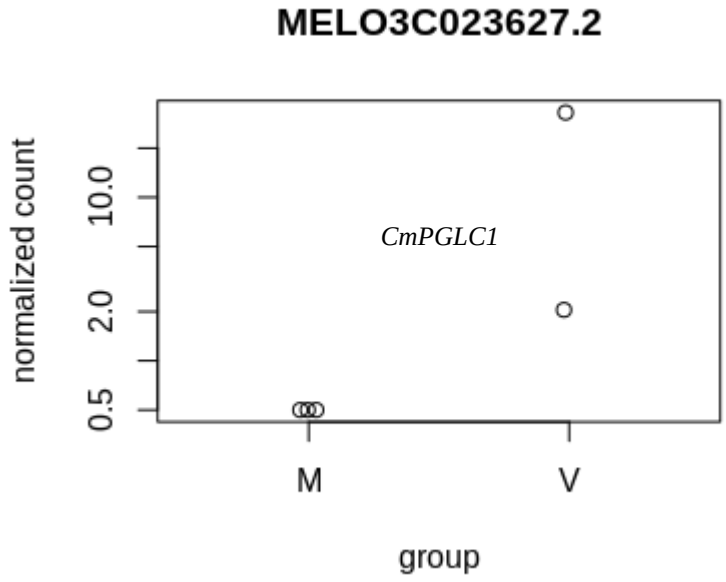
M
V
group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10.0
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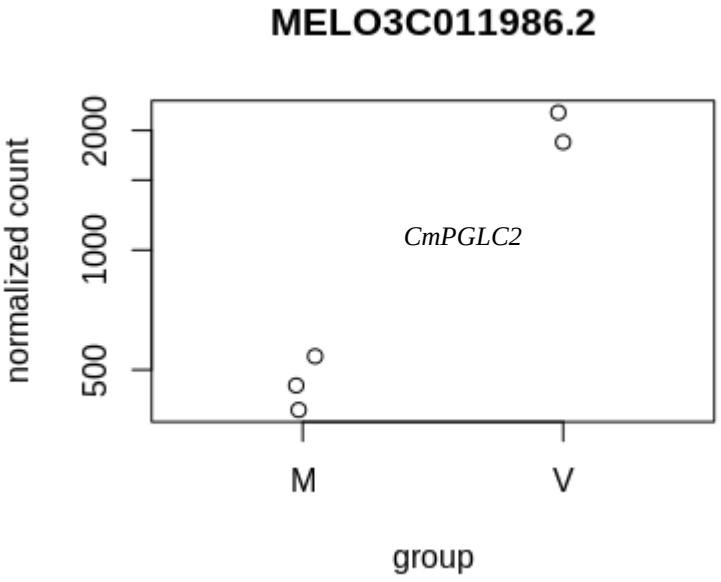
V
group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normalized count
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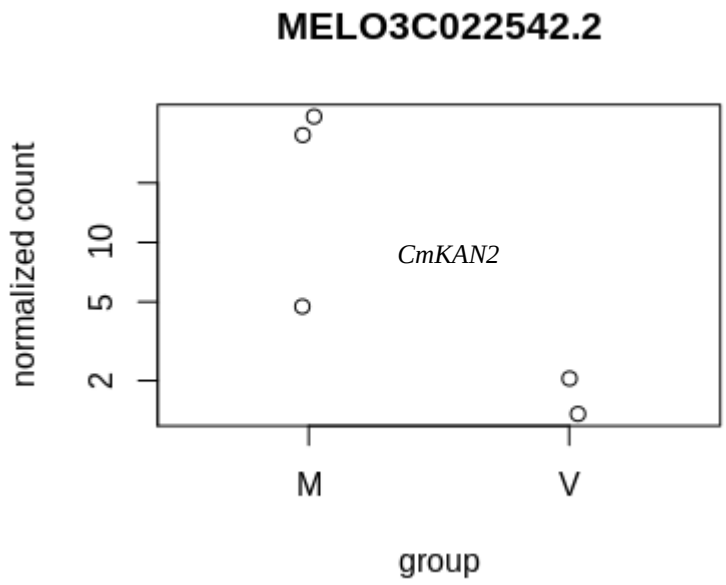
M
V
group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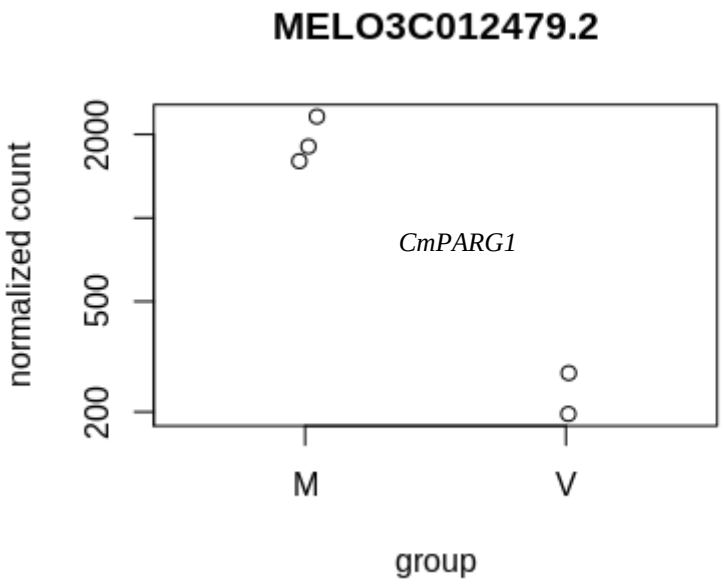
normalized count
2
5
10
CmKAN2
M
V
group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normalized count
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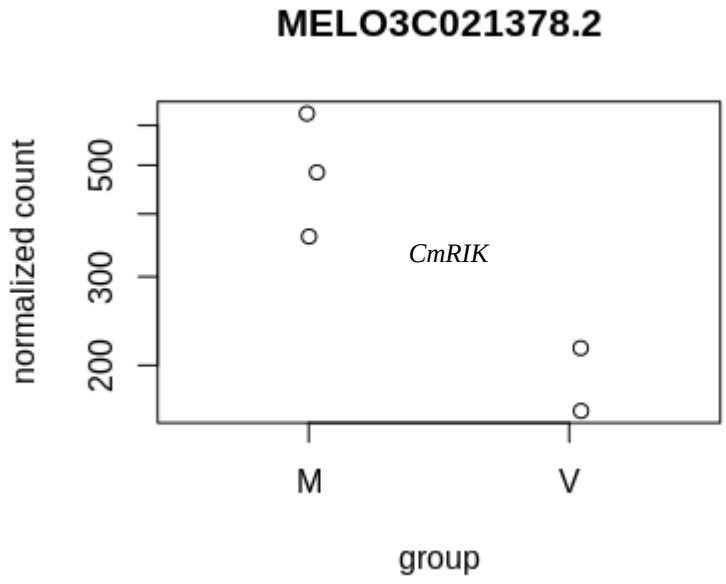
M
V
group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normalized count
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300
500
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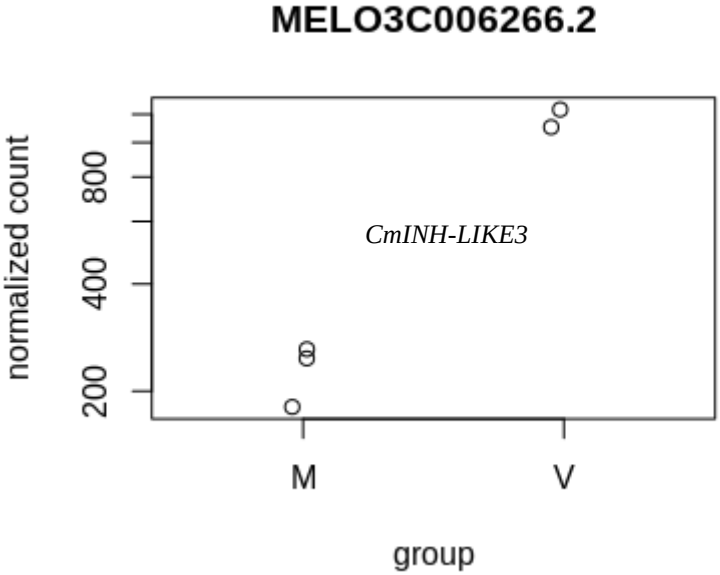
M
V
group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400
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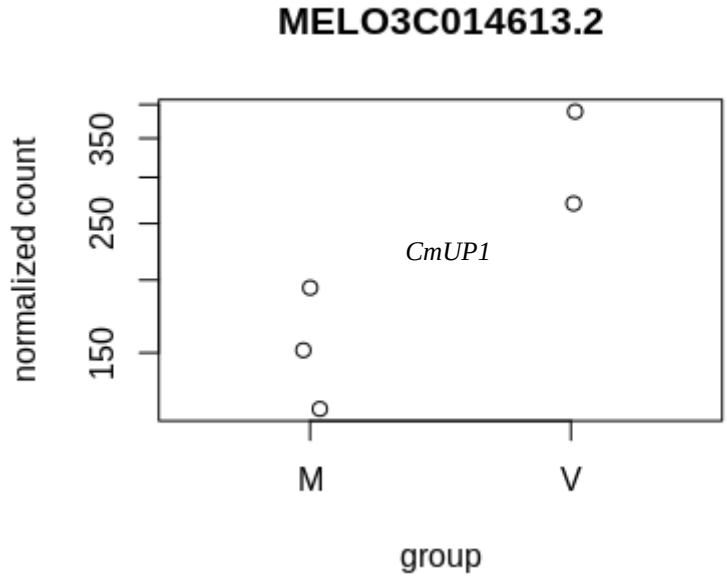
M
V
group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normalized count
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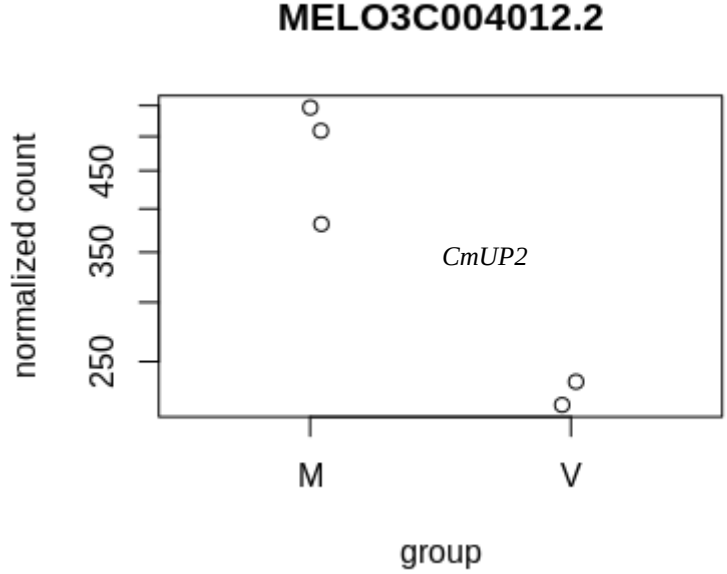
250
350
CmUP1
M
V
group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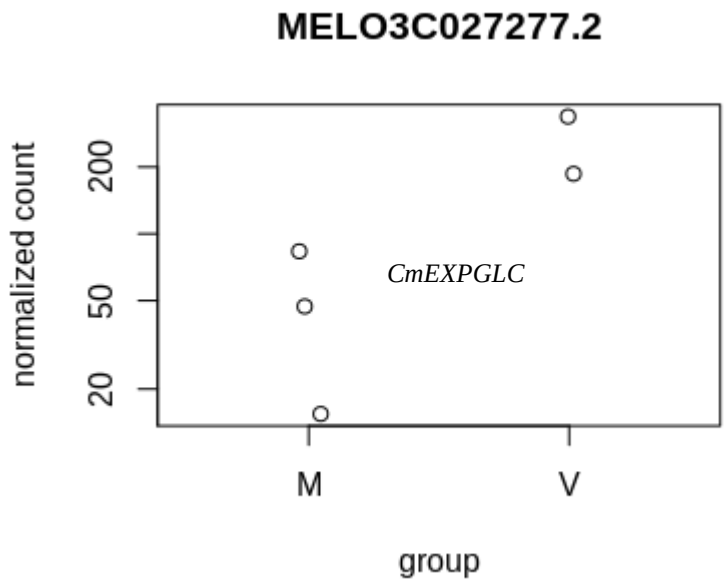
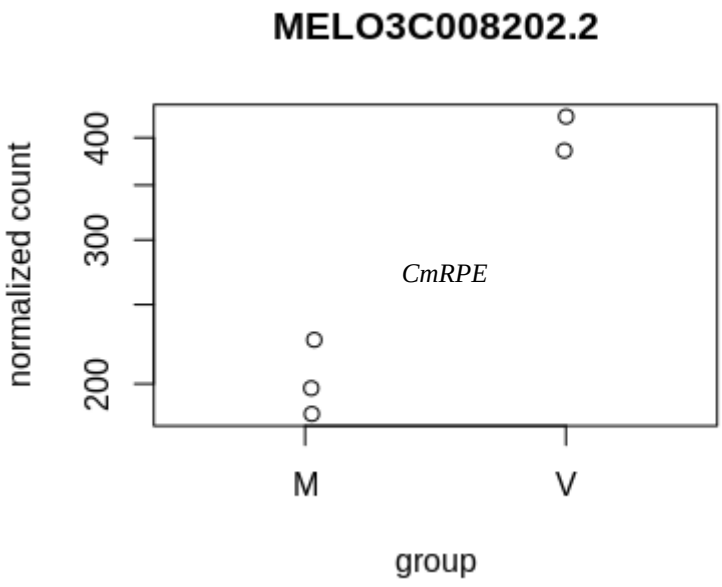
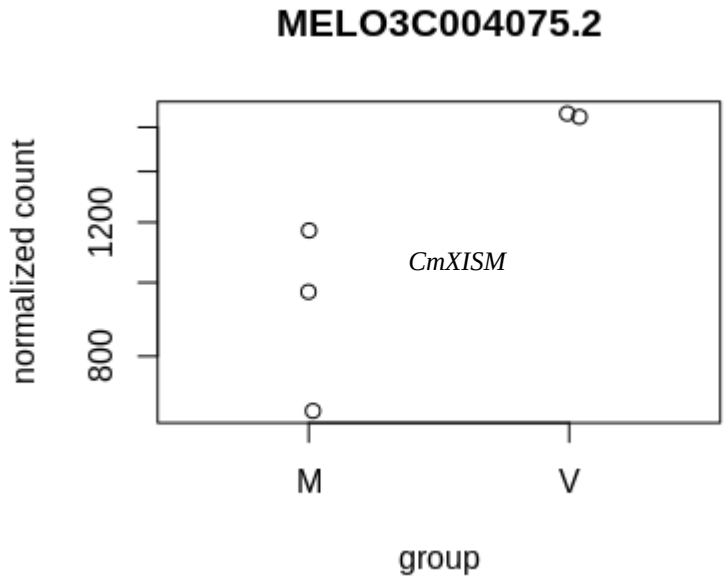
CmUP2
M
V
group

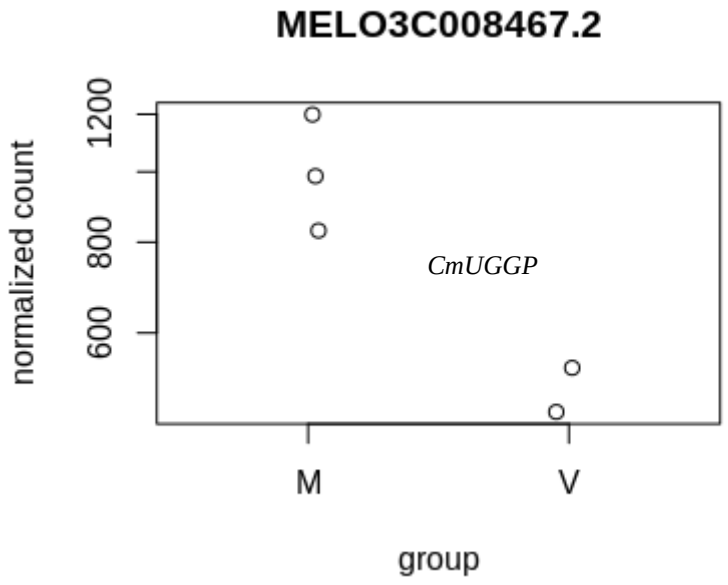
2) Pentose and glucuronate interconversions (cmo00040).



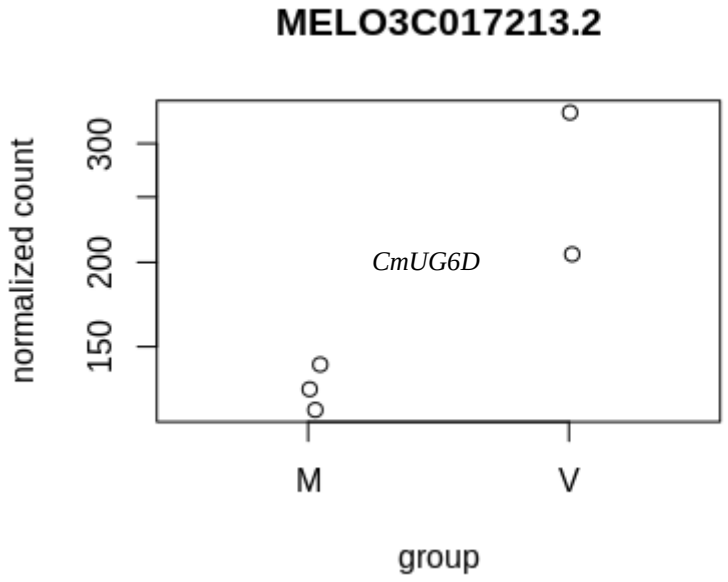




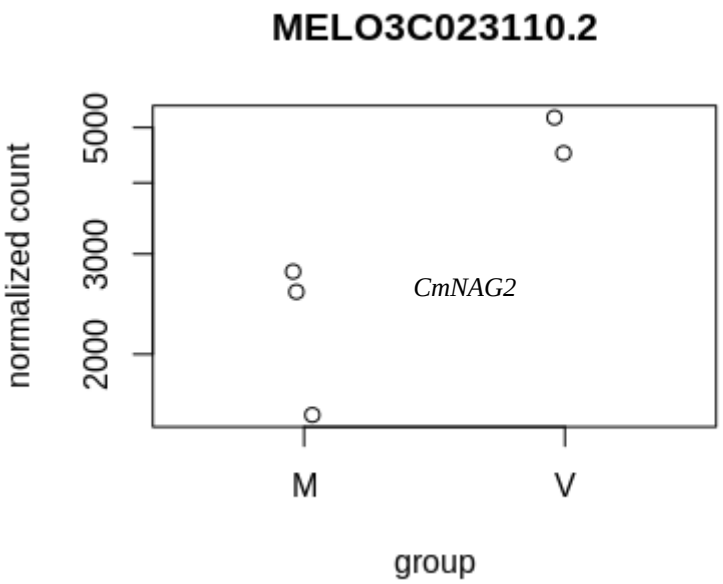
3) Pentose and glucuronate interconversions (cmo00040); galactose metabolismo (cmo00052) and amino sugar and nucleotide sugar metabolismo (cmo00520).

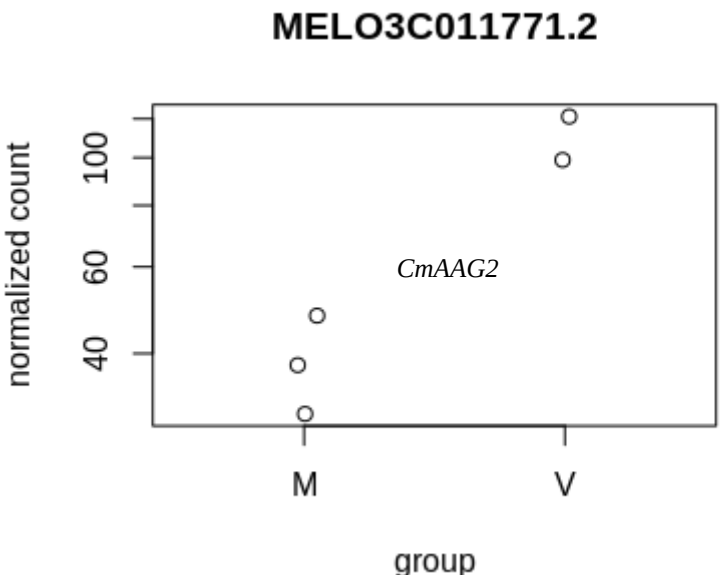


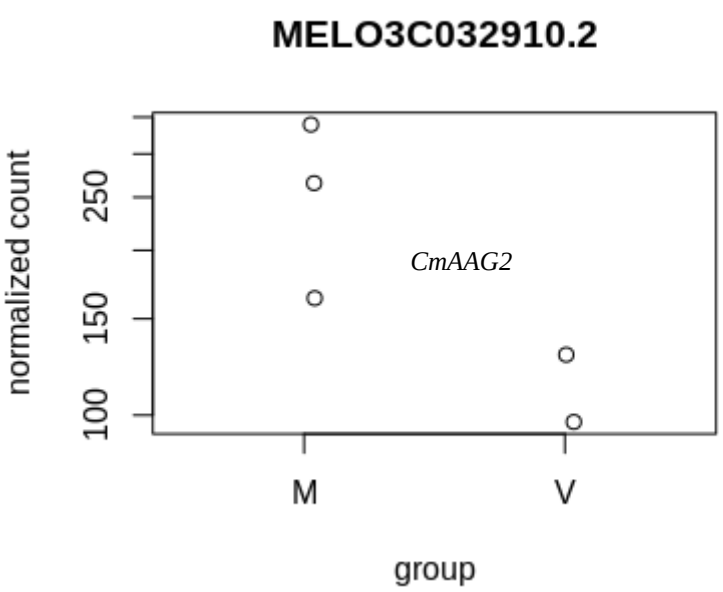
4) Pentose and glucuronate interconversions (cmo00040) and amino sugar and nucleotide sugar metabolismo (cmo00520).

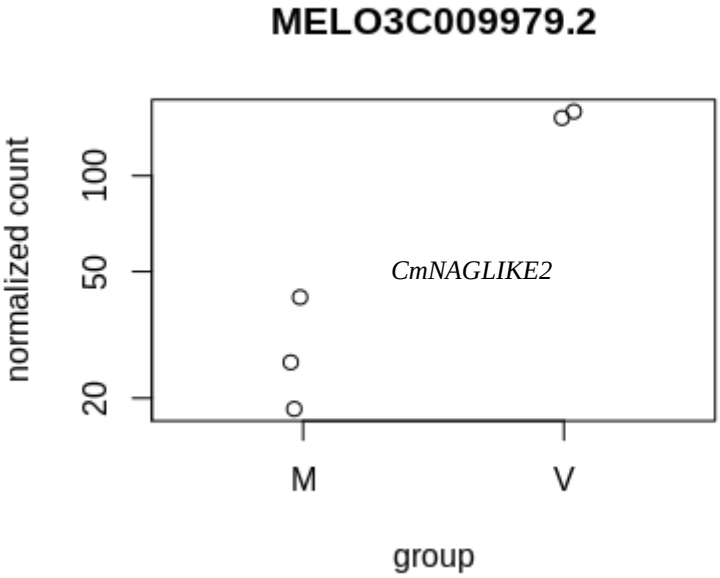


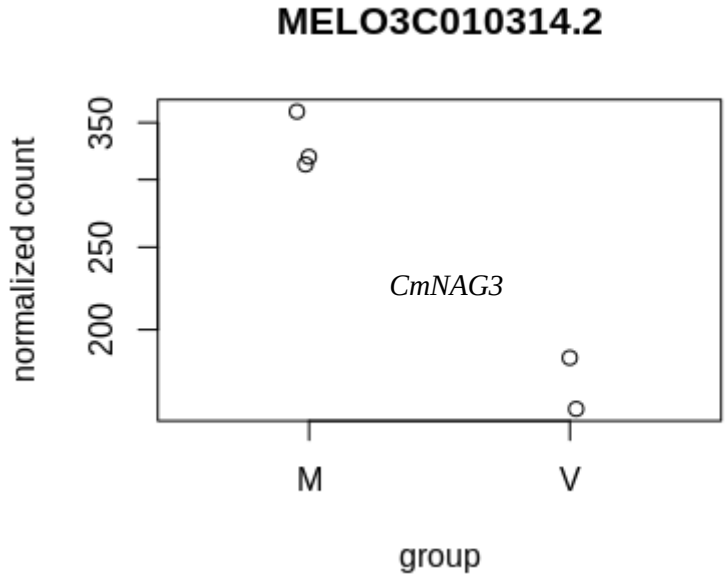
5) Galactose metabolism (cmo00052).

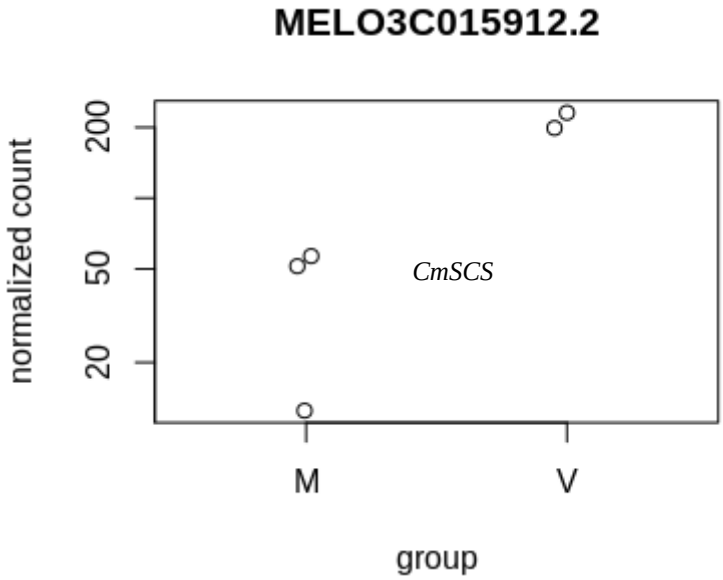




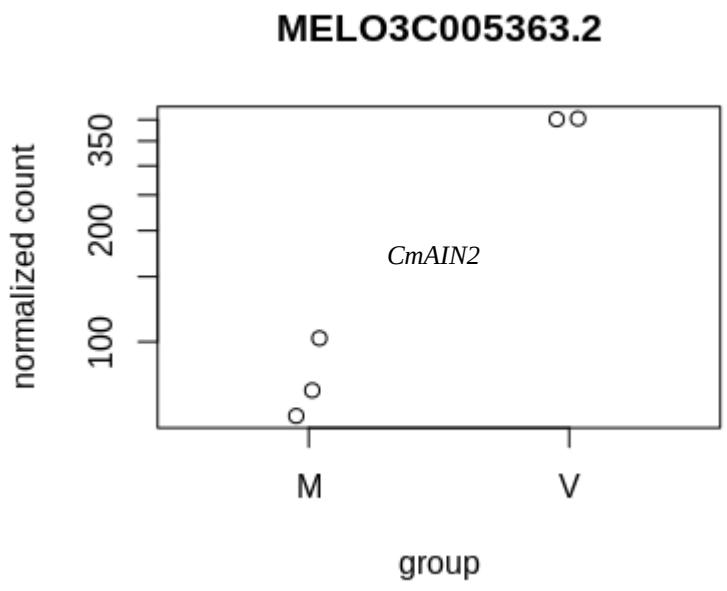


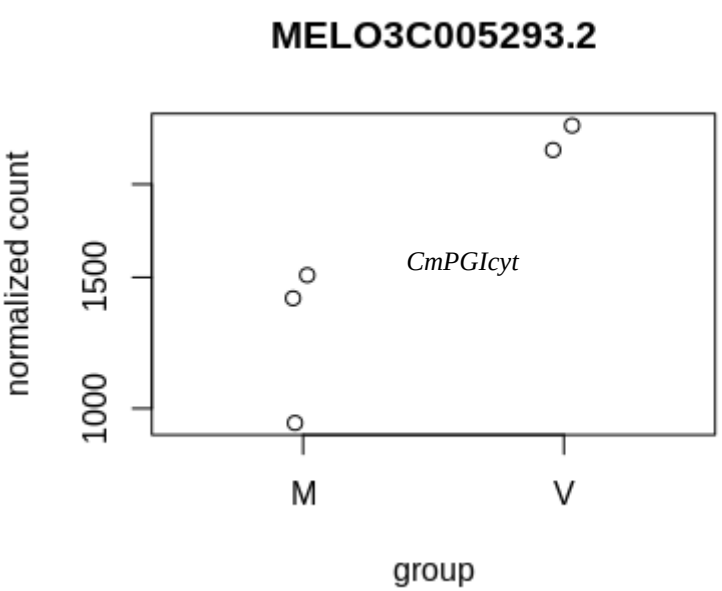




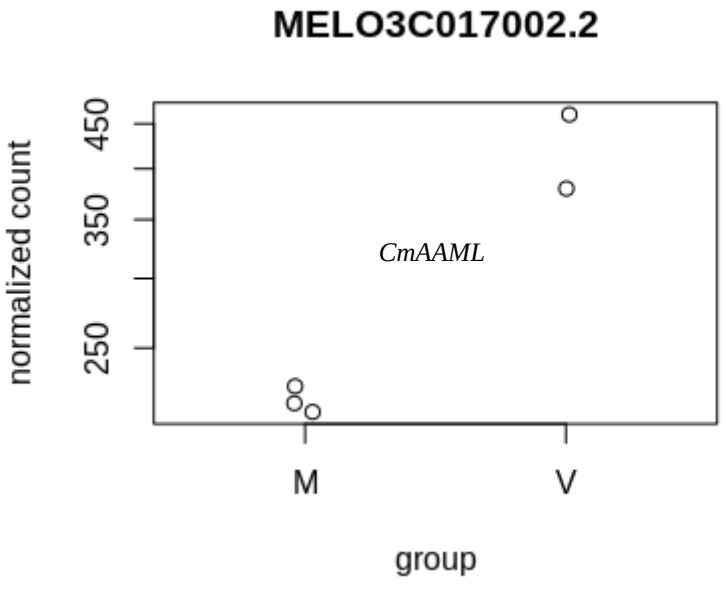


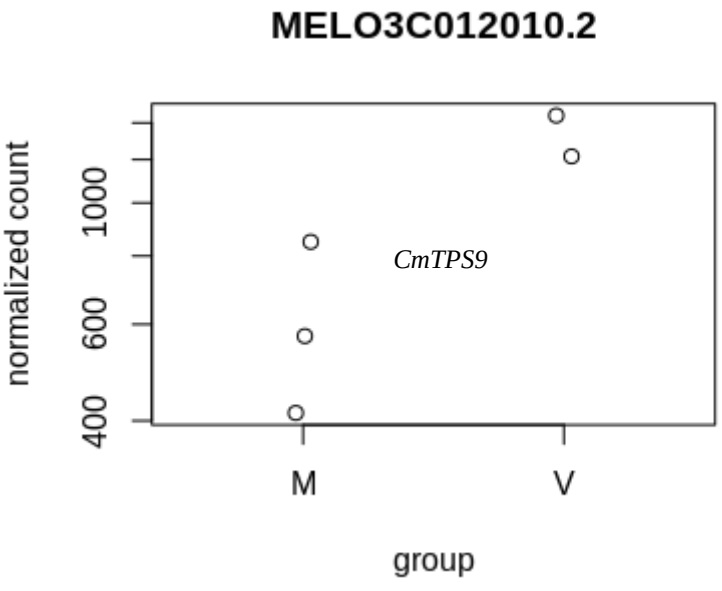
6) Galactose metabolism (cmo00052) and starch and sucrose metabolismo (cmo00500).

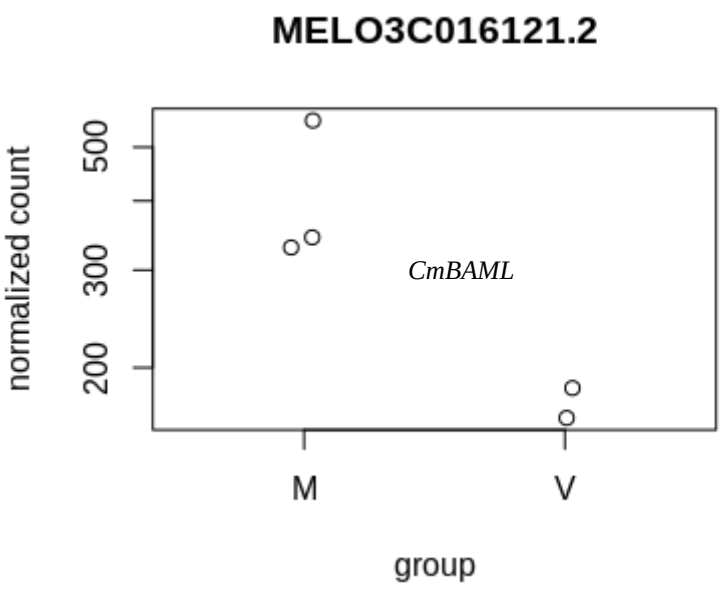




7) sucrose metabolism (cmo00500).



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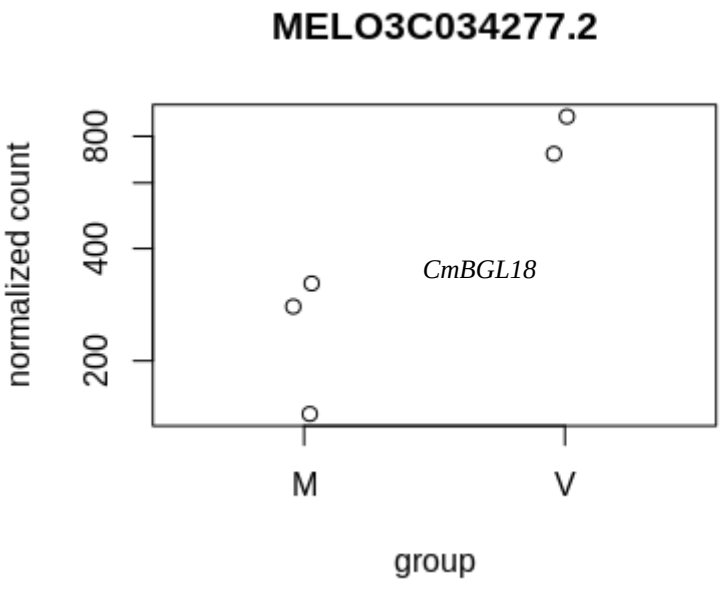
500
CmBAML
M
V
group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normalized count
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400
800
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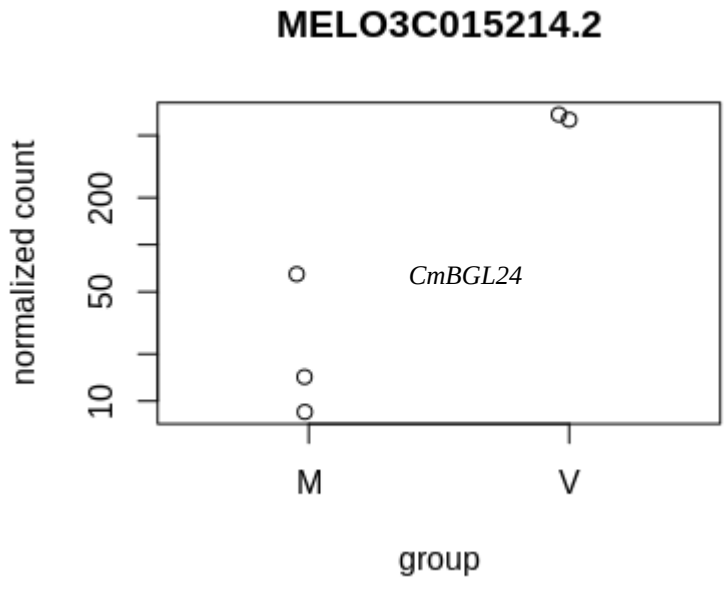
M
V
group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V
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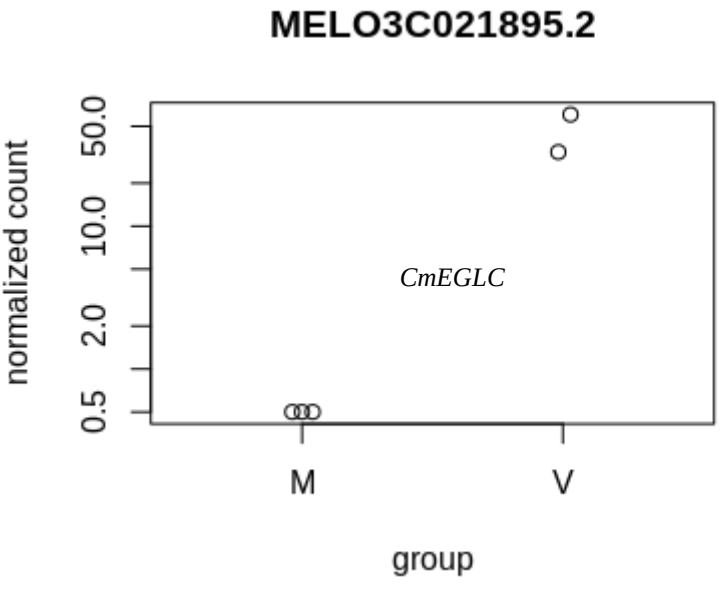
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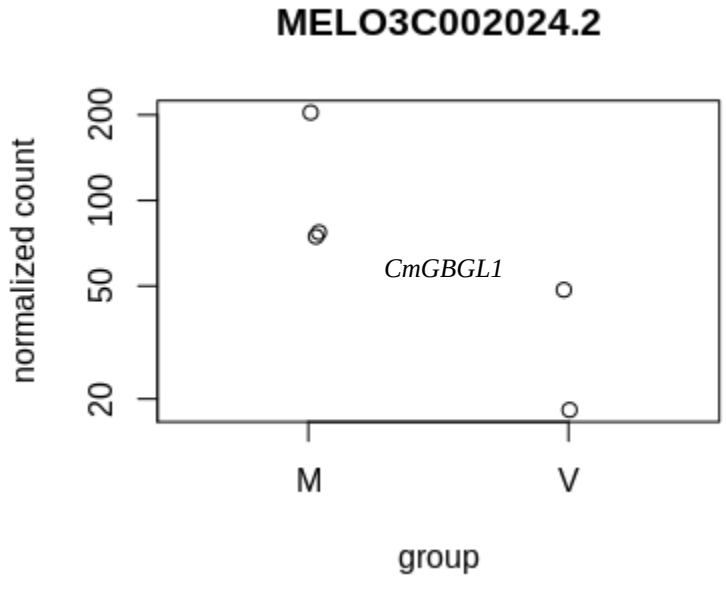
V
group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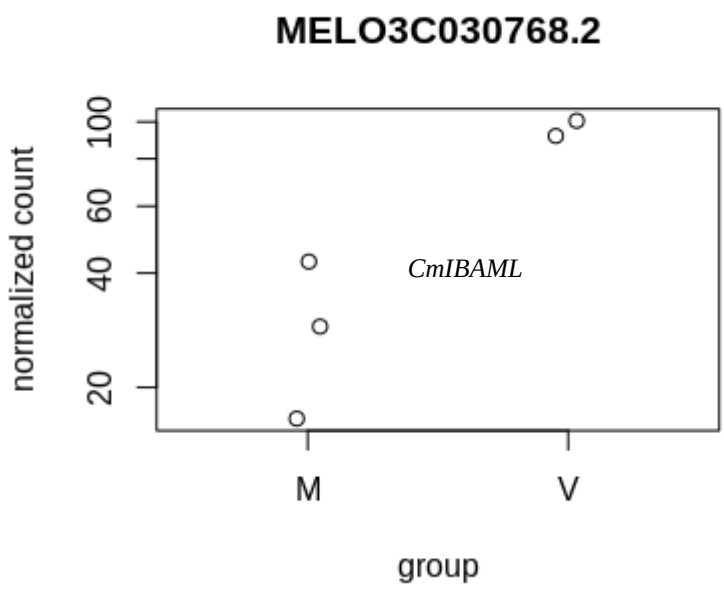
V
group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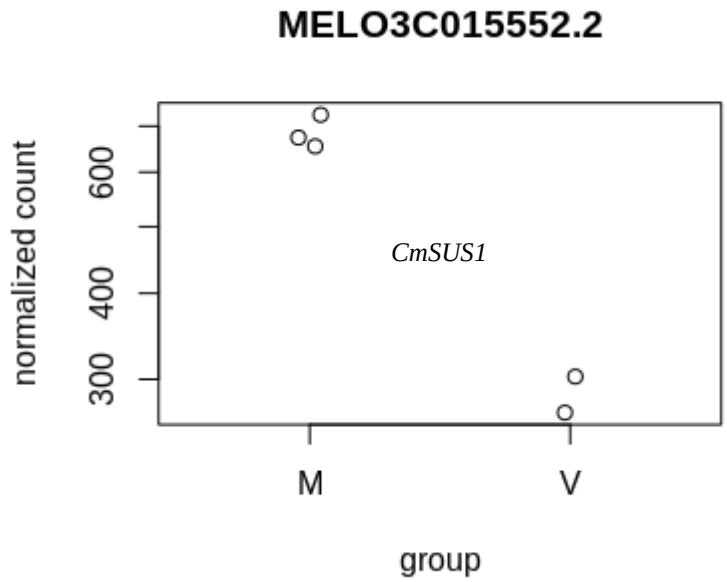
V
group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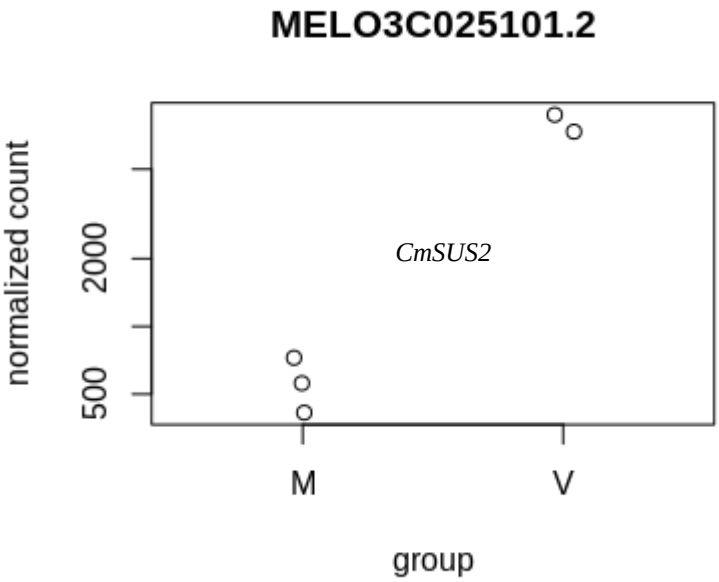
V
group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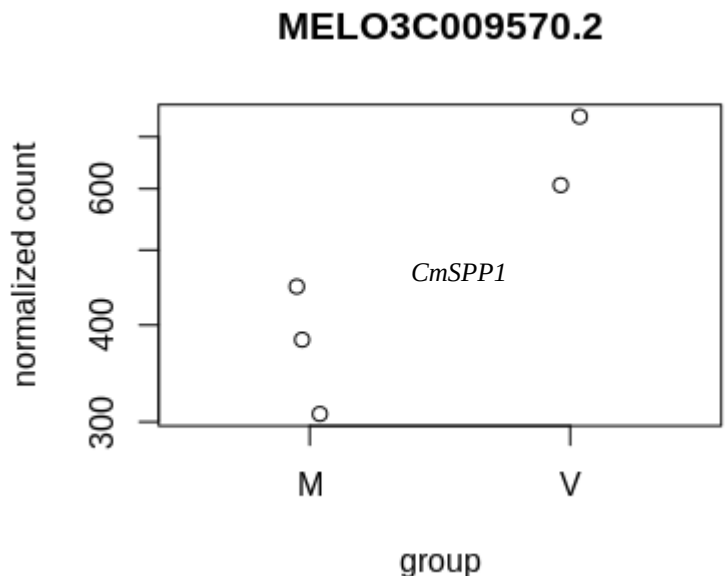
V
group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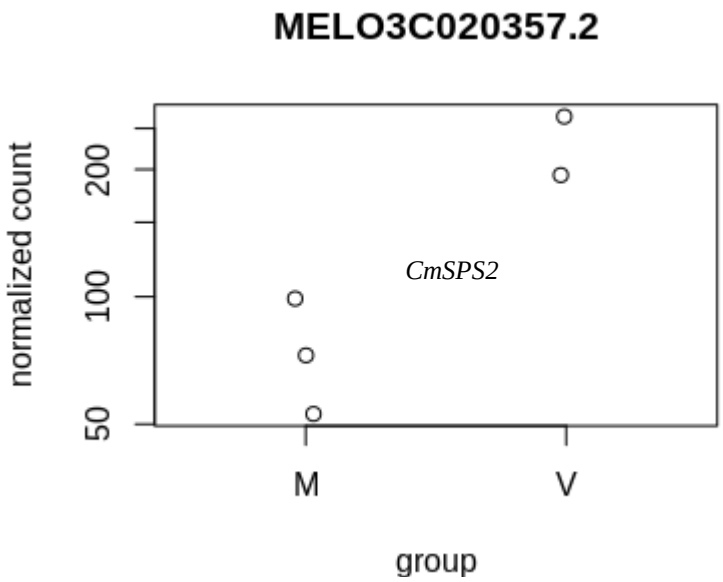
normalized count
300
400
600
CmSPP1
M
V
group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normalized count
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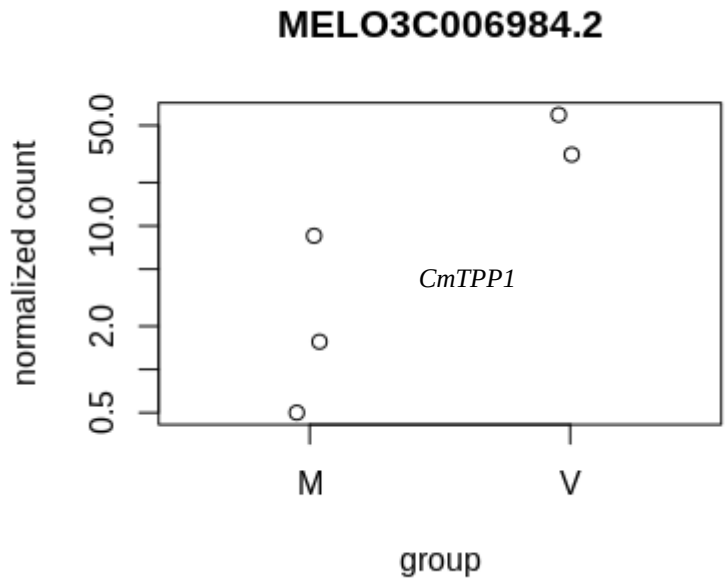
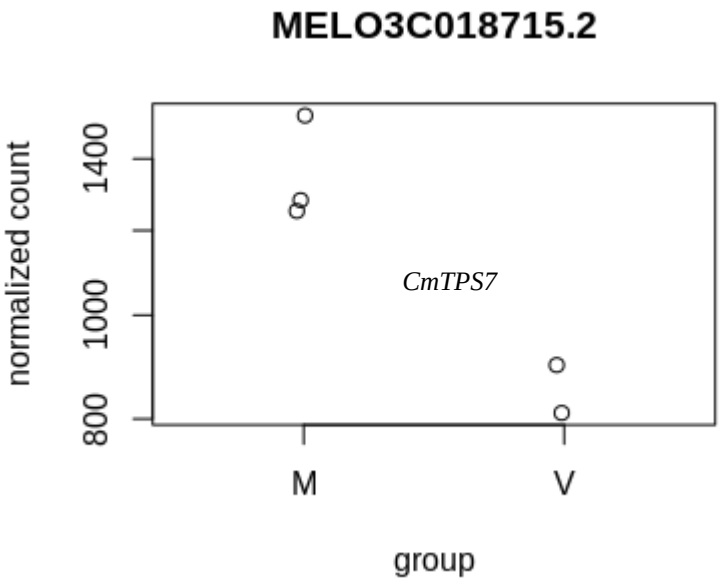
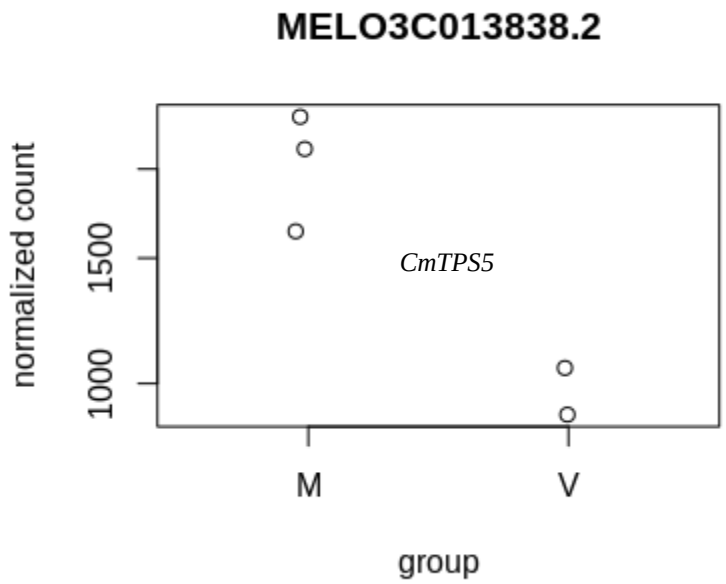
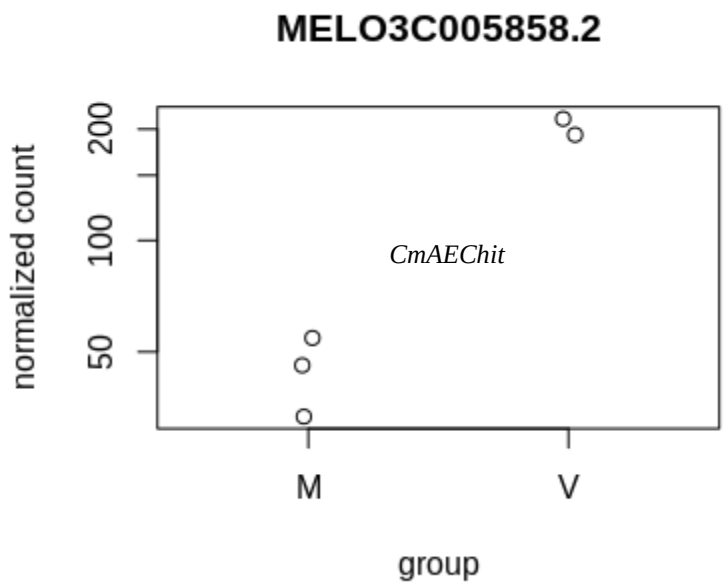
100
200
CmSPS2
M
V
group

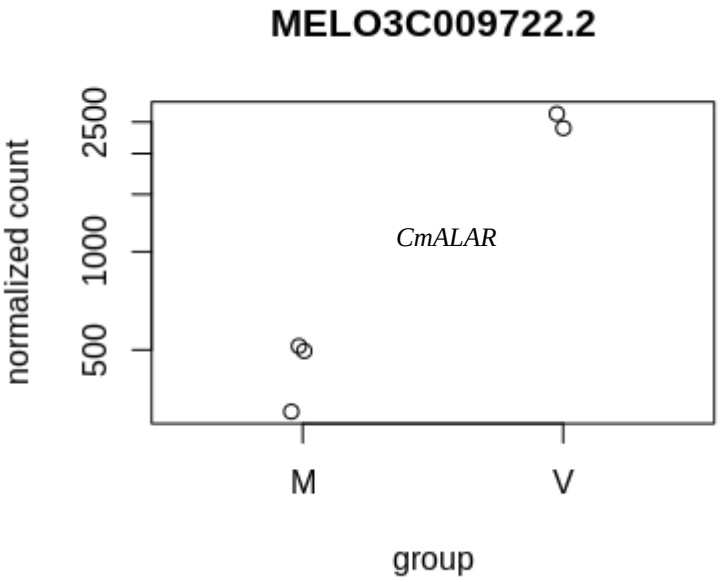

MELO3C006984.2
normalized count
0.5
2.0
10.0
50.0
CmTPP1
M
V
group

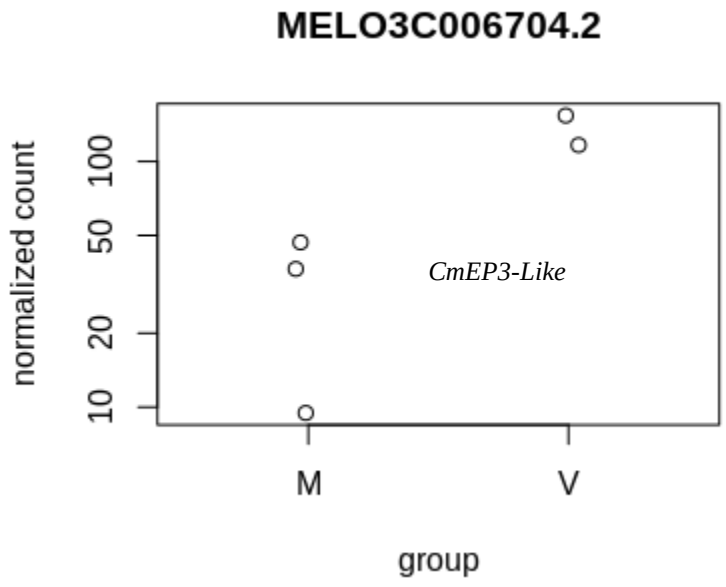

MELO3C018715.2
normalized count
800
1000
1400
CmTPS7
M
V
group

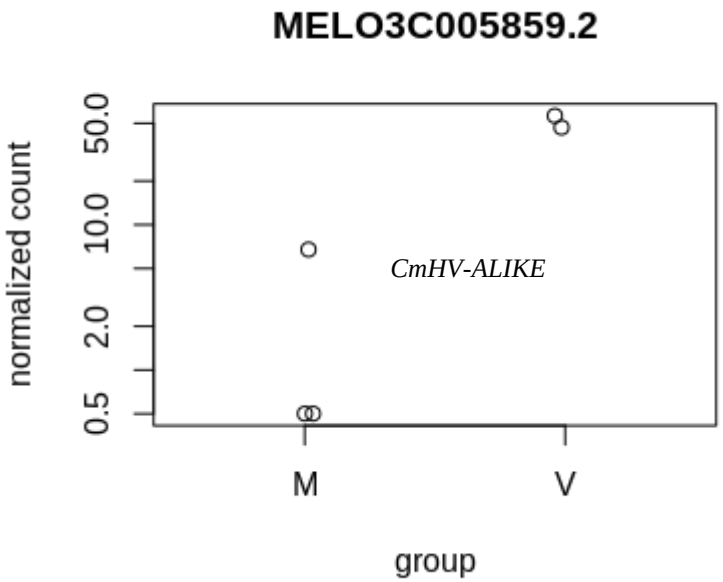


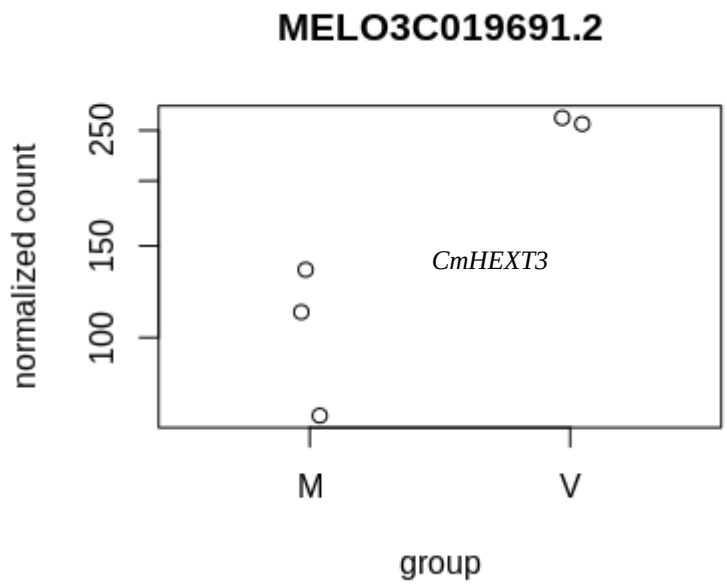
8) Amino sugar and nucleotide sugar metabolism (cmo00520).

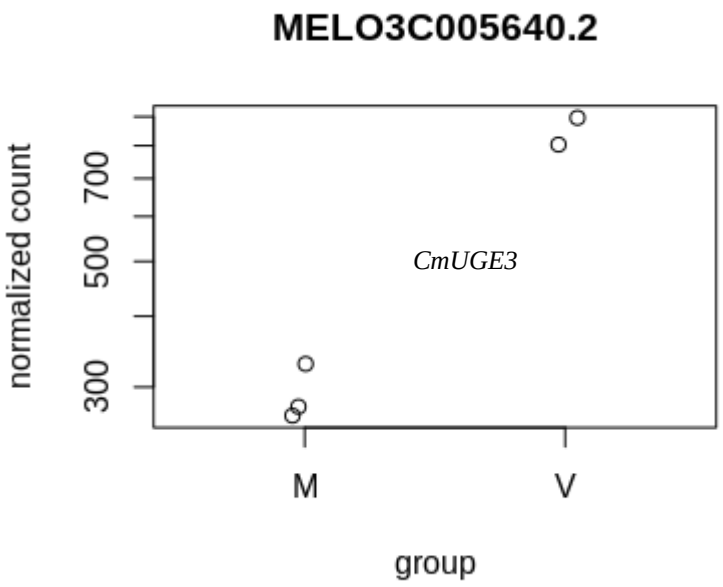




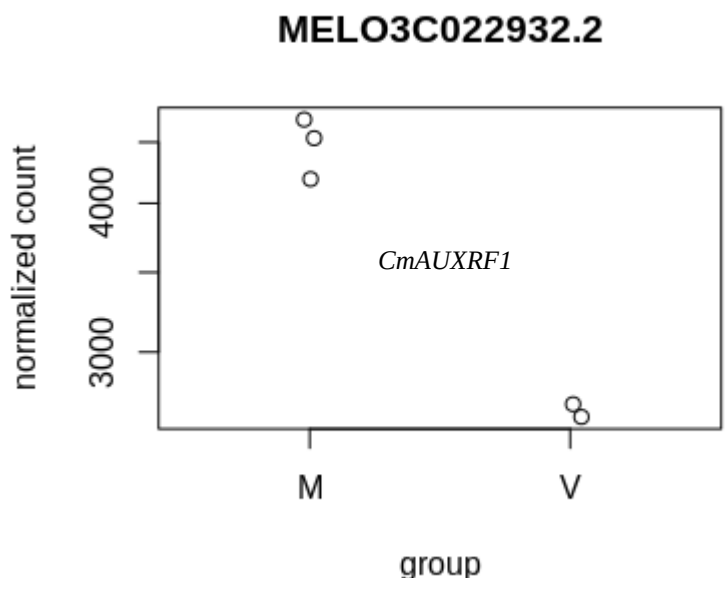


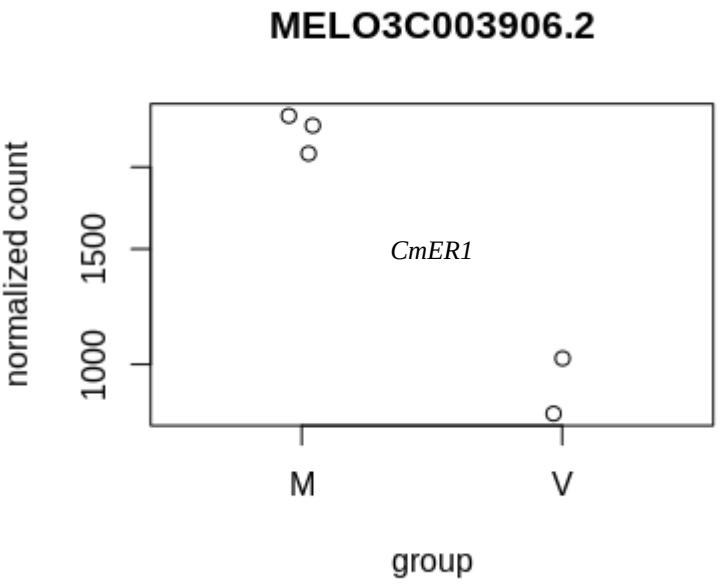


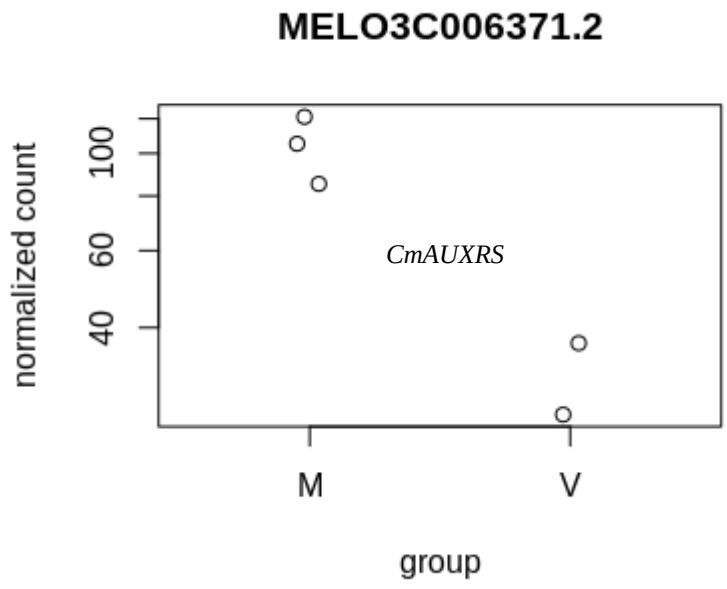




9) Plant hormone signal transduction (cmo04075).







10) Protein processing in endoplasmic reticulum (cmo04141).