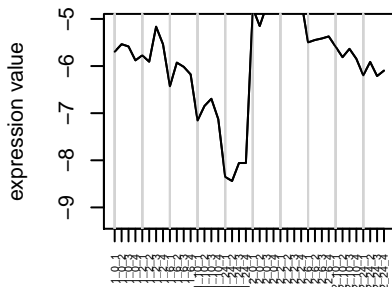
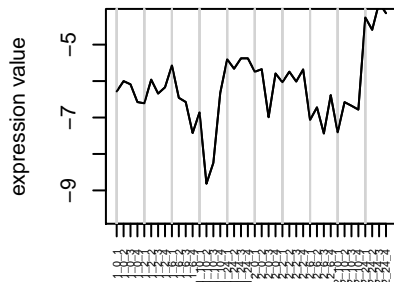


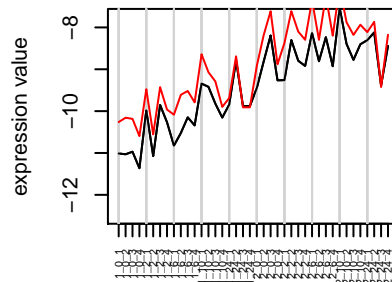
**Cluster 1 ( 1 genes ) Carnitine**



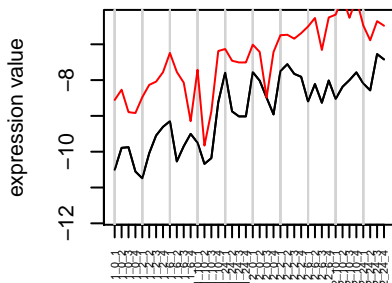
**Cluster 2 ( 1 genes ) Citric acid**



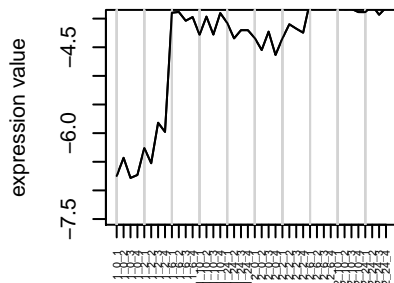
**Cluster 3 ( 2 genes )**



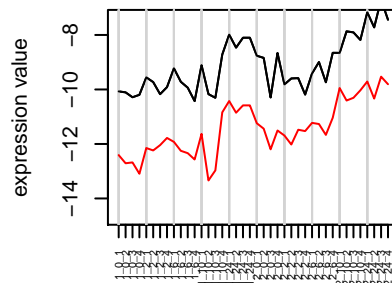
**Cluster 4 ( 2 genes )**



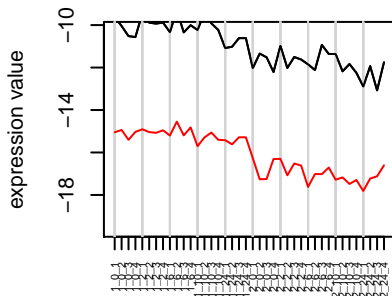
**Cluster 5 ( 1 genes ) Itaconic aci**



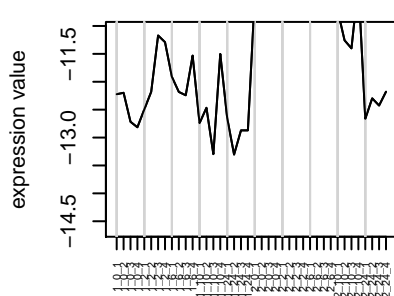
**Cluster 6 ( 2 genes )**



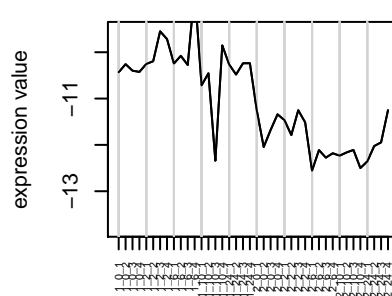
**Cluster 7 ( 2 genes )**

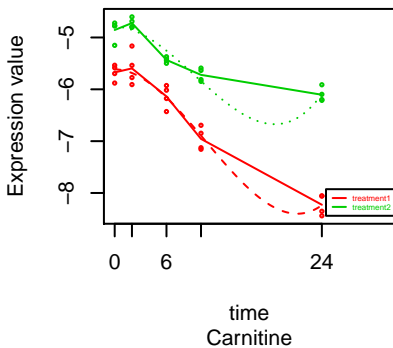
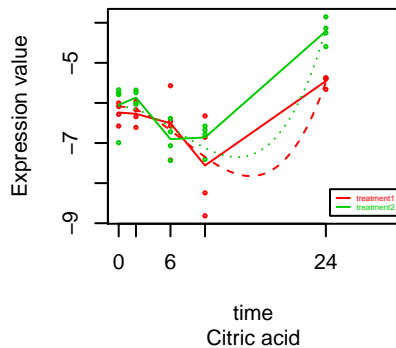
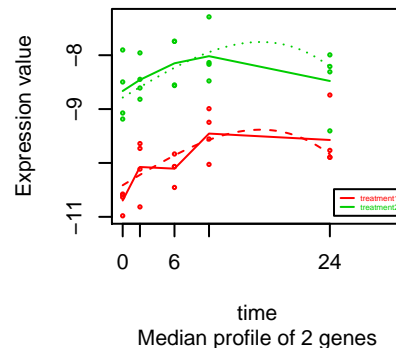
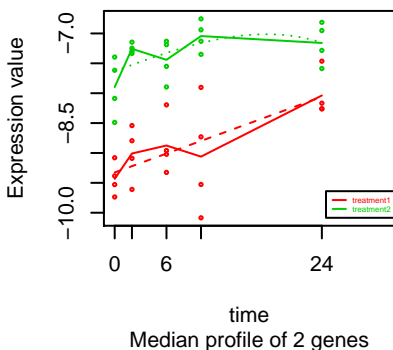
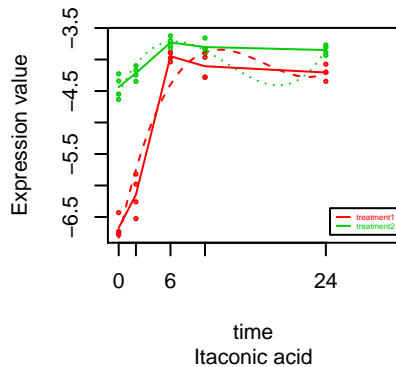
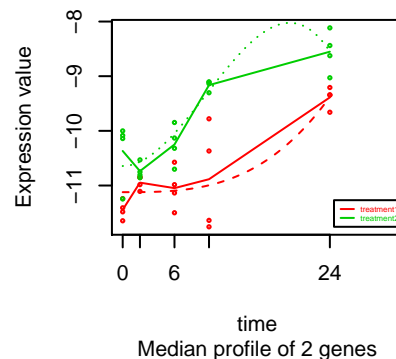
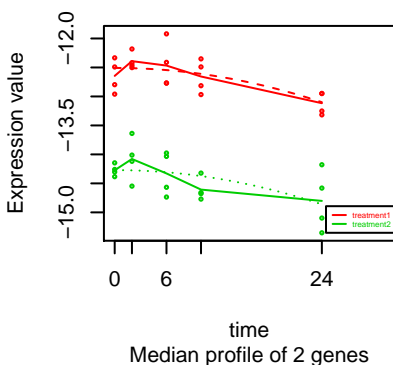
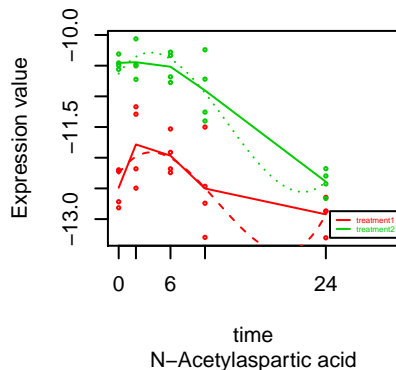
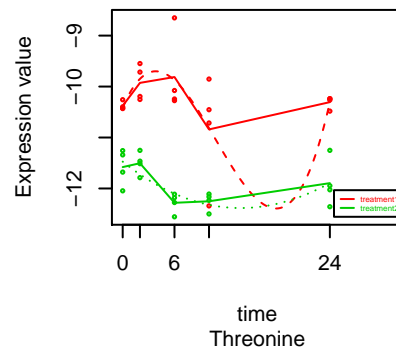


**Cluster 8 ( 1 genes ) N-Acetylasparti**

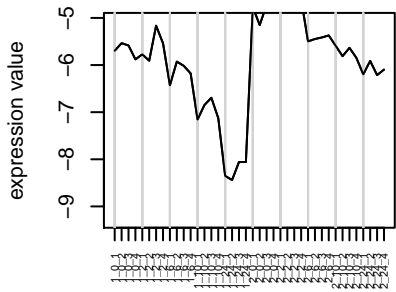


**Cluster 9 ( 1 genes ) Threonine**

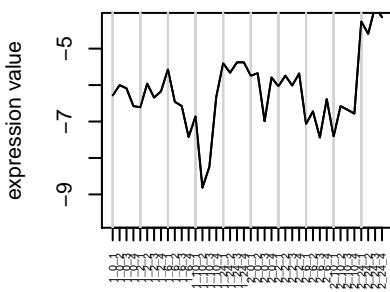


**Cluster 1****Cluster 2****Cluster 3****Cluster 4****Cluster 5****Cluster 6****Cluster 7****Cluster 8****Cluster 9**

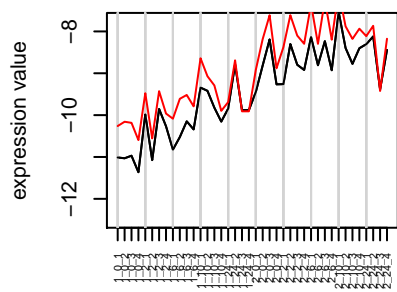
**Cluster 1 ( 1 genes ) Carnitine**



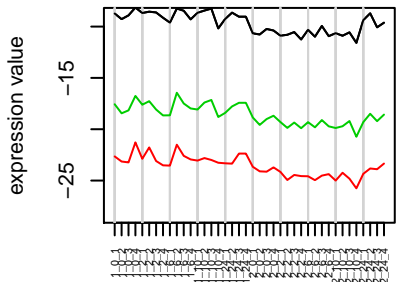
**Cluster 2 ( 1 genes ) Citric acid**



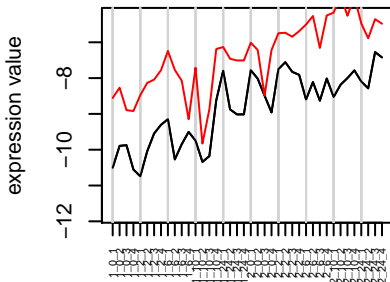
**Cluster 3 ( 2 genes )**



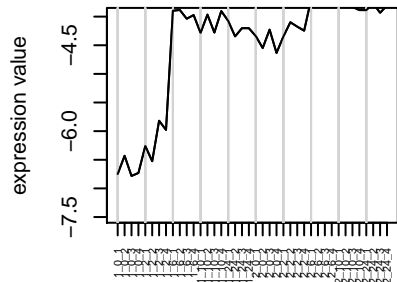
**Cluster 4 ( 3 genes )**



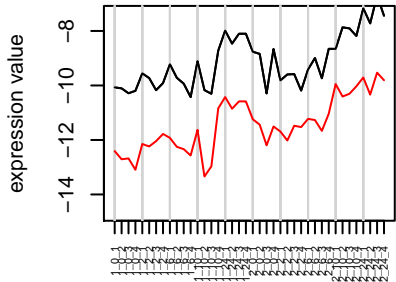
**Cluster 5 ( 2 genes )**



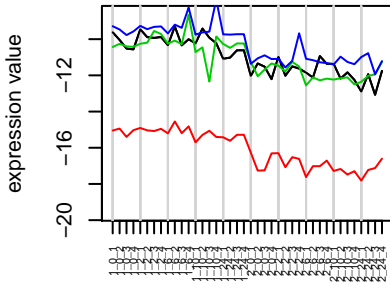
**Cluster 6 ( 1 genes ) Itaconic acid**



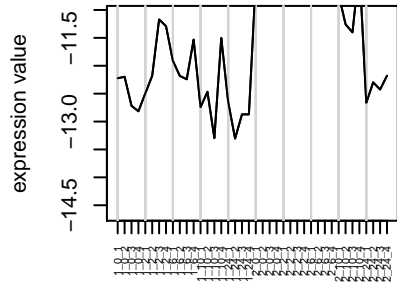
**Cluster 7 ( 2 genes )**

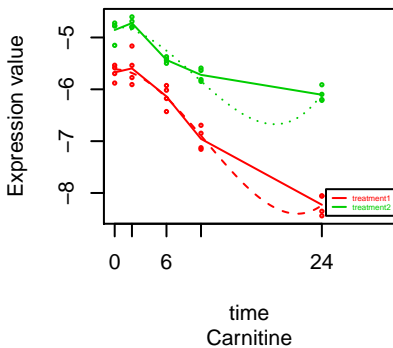
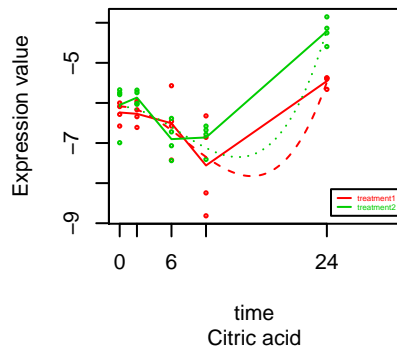
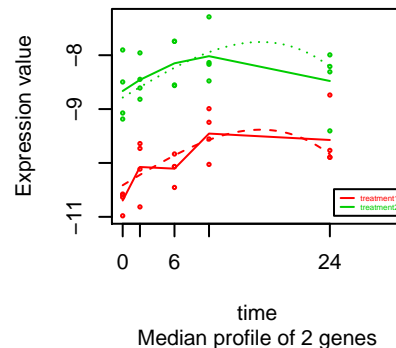
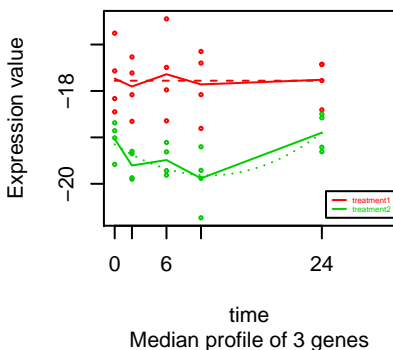
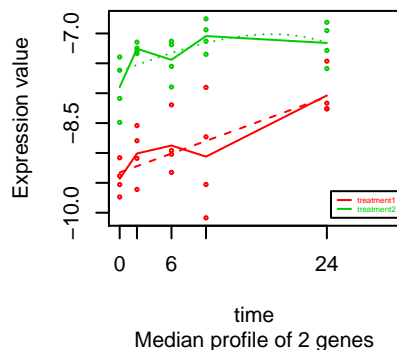
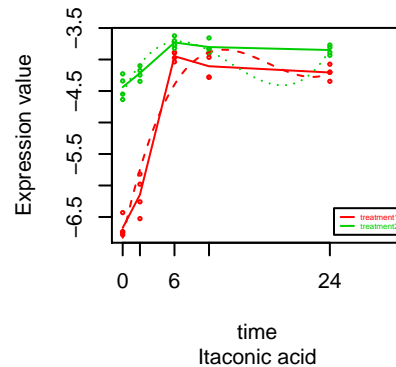
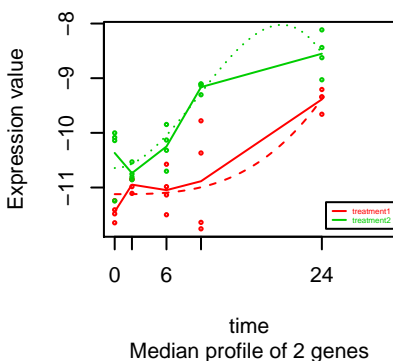
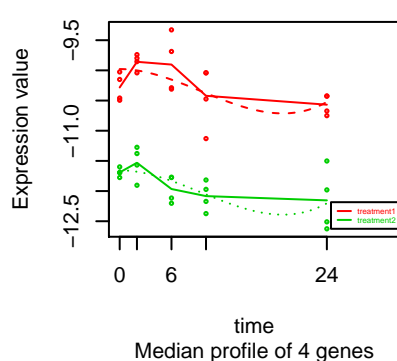


**Cluster 8 ( 4 genes )**



**Cluster 9 ( 1 genes ) N-Acetylaspartic acid**



**Cluster 1****Cluster 2****Cluster 3****Cluster 4****Cluster 5****Cluster 6****Cluster 7****Cluster 8****Cluster 9**