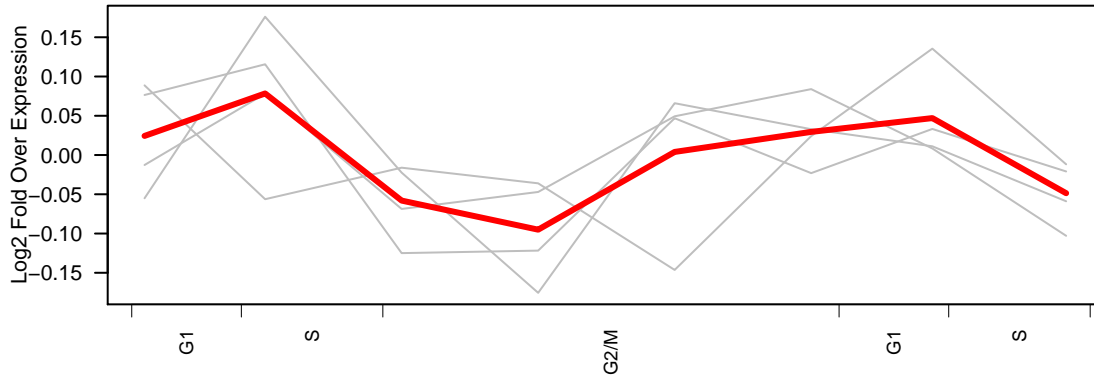


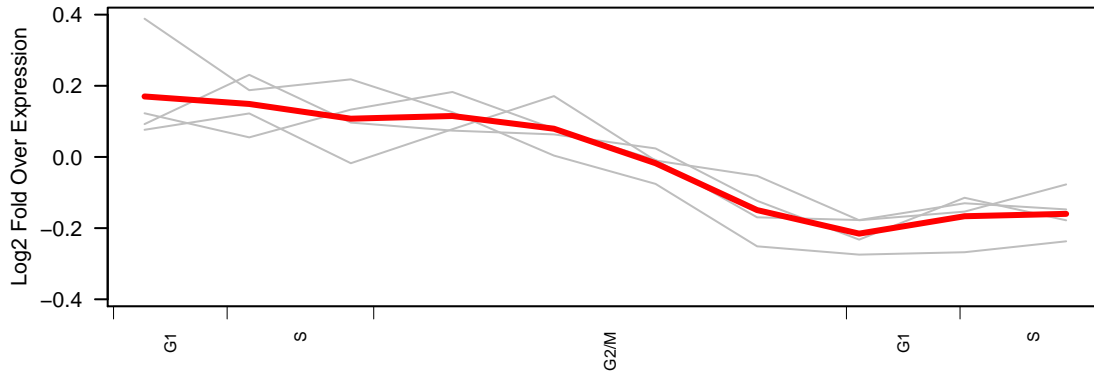
Centroids of clusters from Figure 3

Figure S5 | Transcript profiles within each wild-type cluster and cyclin mutant sub-cluster from Fig. 3 display high Pearson correlation. The top panel of each page displays the wild-type log₂-fold change expression profile for each gene (gray lines) in a particular wild-type cluster, overlaid with that cluster’s centroid (red line). The bottom panel(s) display the cyclin mutant log₂-fold change expression profiles (gray lines) and centroids (red line) for all genes in each subcluster associated with the wild-type cluster. Each panel is annotated with the cluster or subcluster name (as labeled in Fig. 3), as well as the average Pearson correlation between all genes displayed in the panel. The list of genes in each cluster/subcluster can be found in Supplementary Table 1.

Wild-type Cluster - B
Within cluster Pearson correlation - 0.625

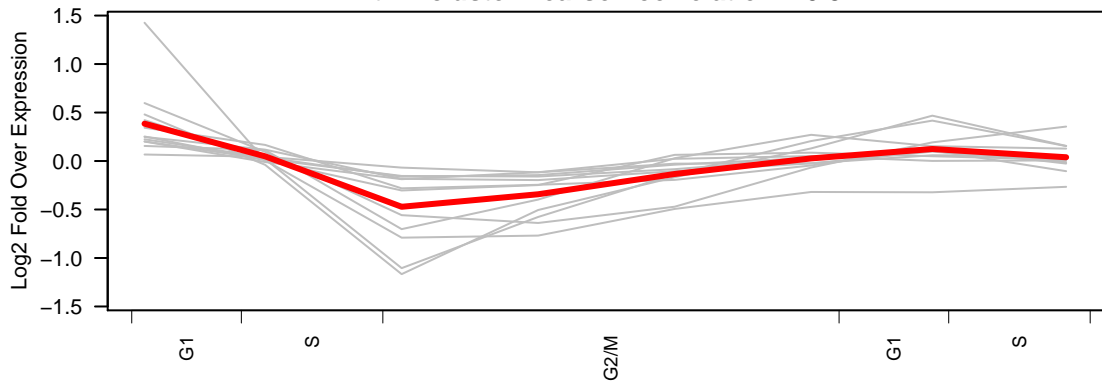


Sub Clust. 2
0.762

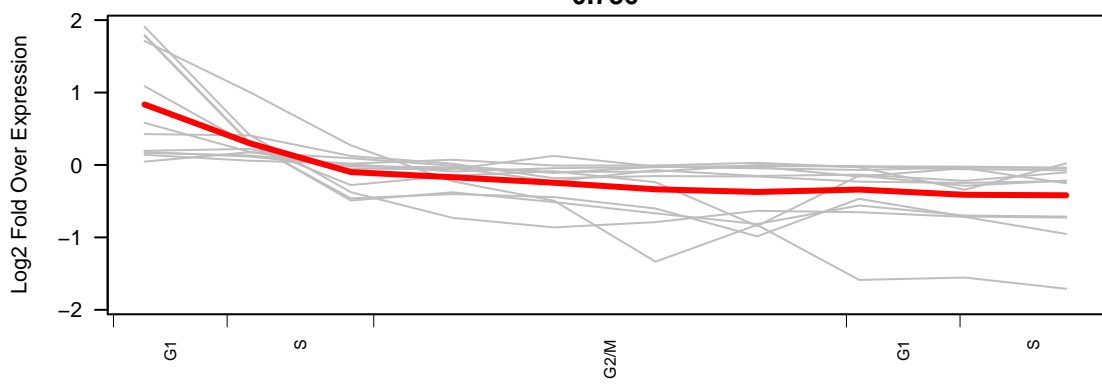


Centroids of clusters from Figure 3

Wild-type Cluster - C
Within cluster Pearson correlation - 0.811

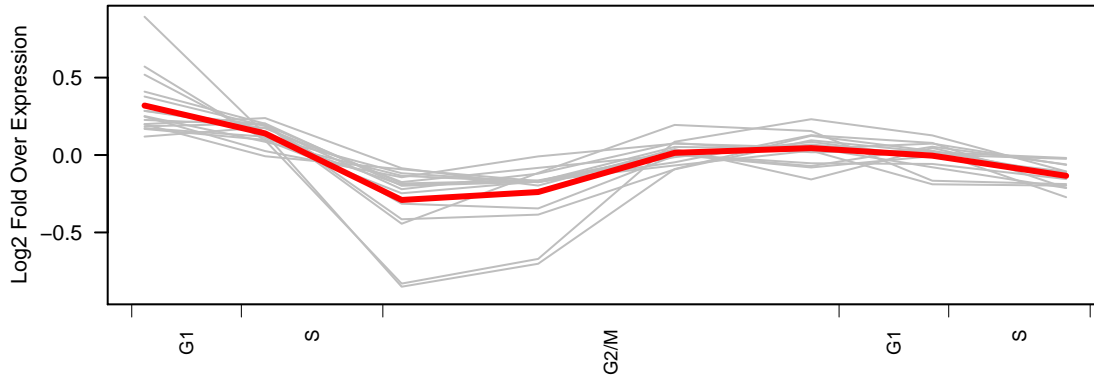


Sub Clust. 3
0.736

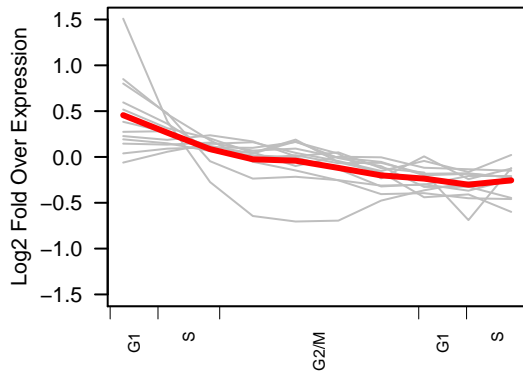


Centroids of clusters from Figure 3

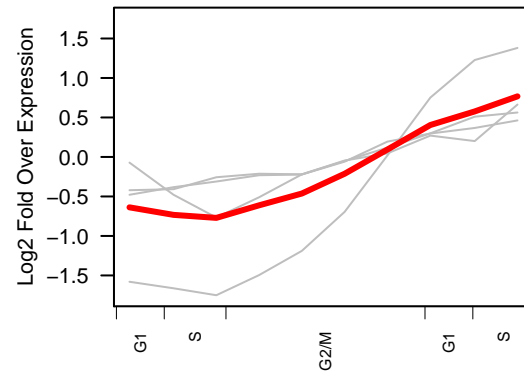
Wild-type Cluster - D
Within cluster Pearson correlation - 0.817



Sub Clust. 4
0.753

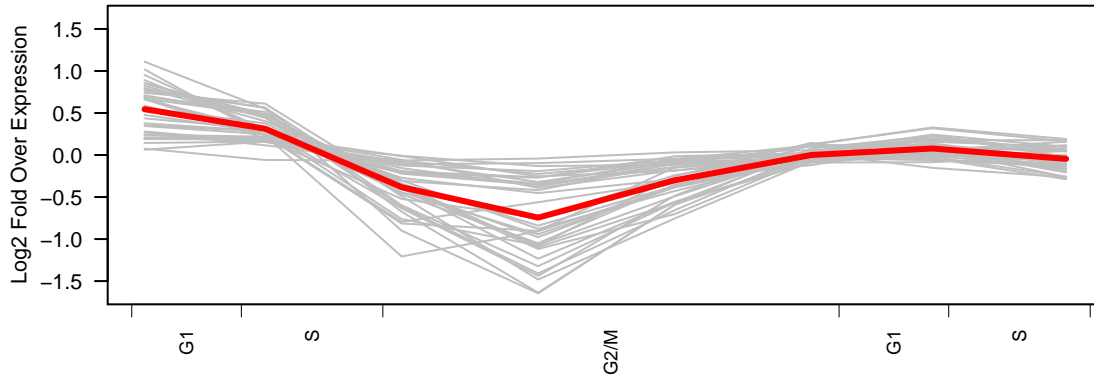


Sub Clust. 5
0.934

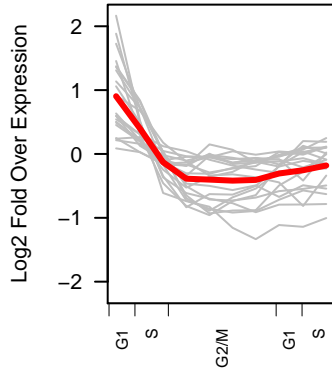


Centroids of clusters from Figure 3

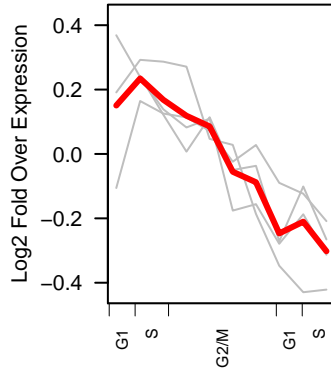
Wild-type Cluster – E
Within cluster Pearson correlation – 0.872



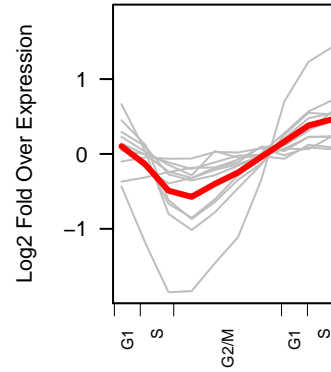
Sub Clust. 6
0.804



Sub Clust. 7
0.754

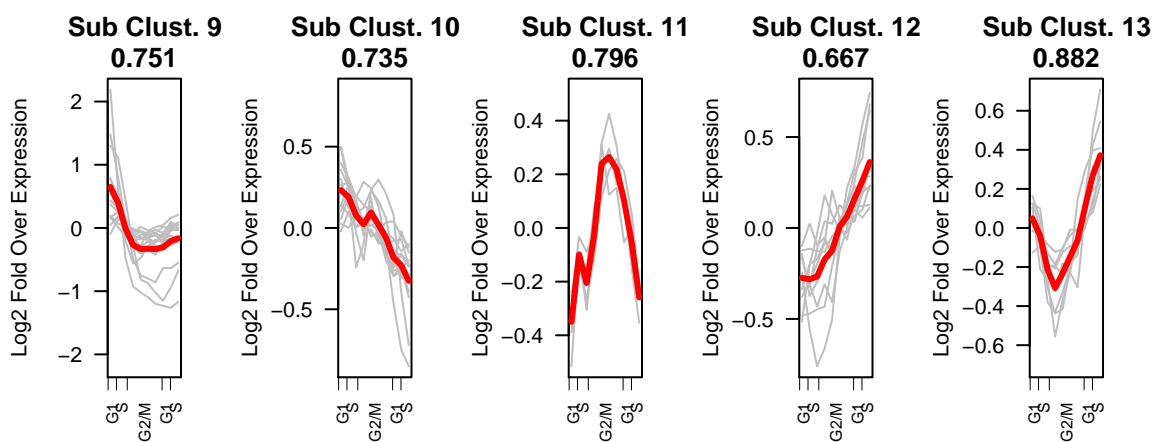
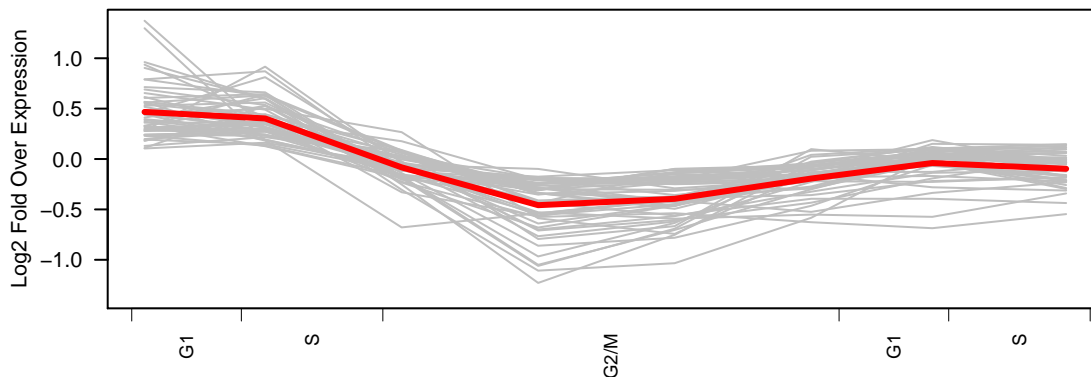


Sub Clust. 8
0.765



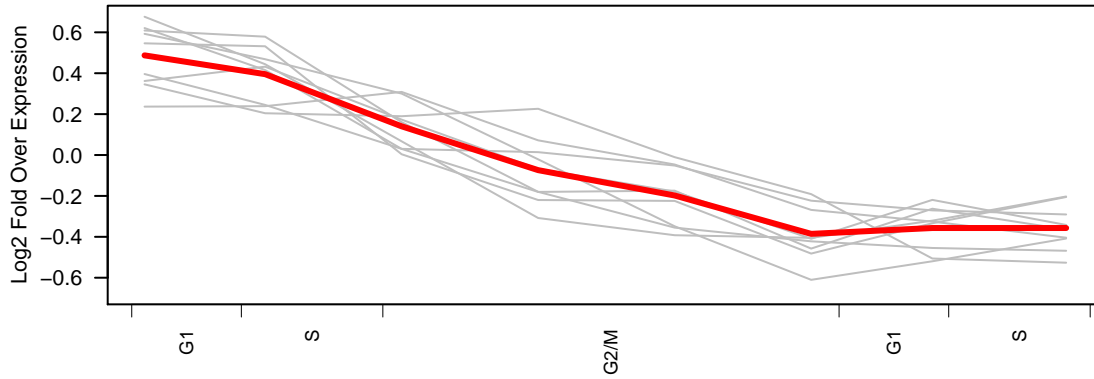
Centroids of clusters from Figure 3

Wild-type Cluster – F
 Within cluster Pearson correlation – 0.889

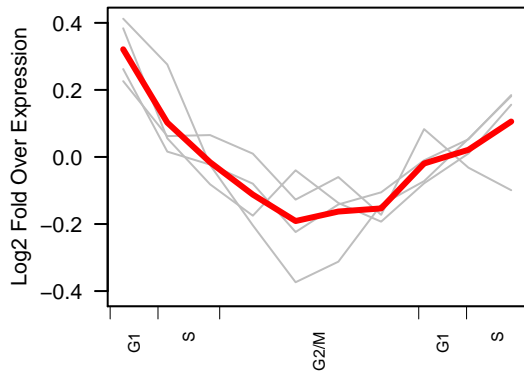


Centroids of clusters from Figure 3

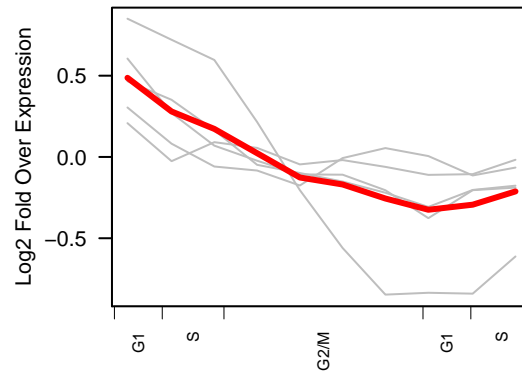
Wild-type Cluster - G
Within cluster Pearson correlation - 0.871



Sub Clust. 14
0.697

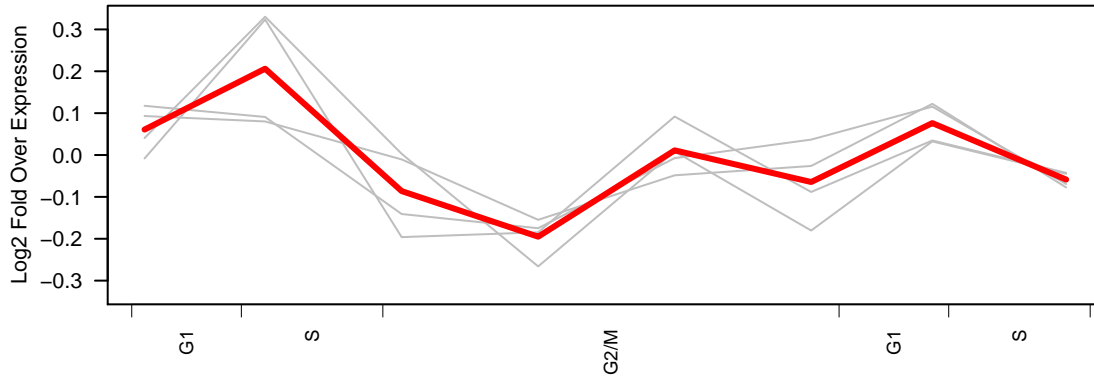


Sub Clust. 15
0.674

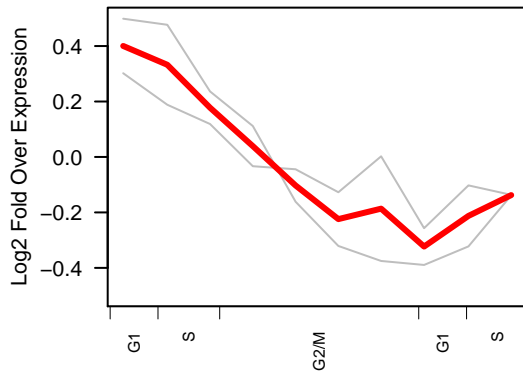


Centroids of clusters from Figure 3

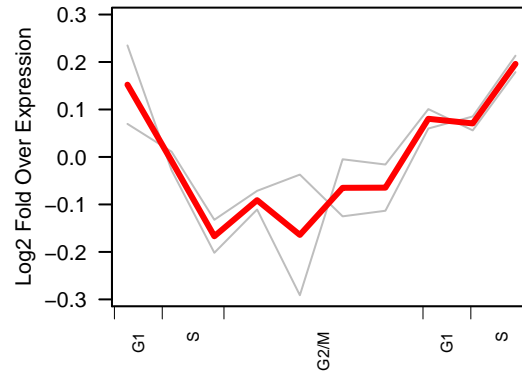
Wild-type Cluster - H
Within cluster Pearson correlation - 0.665



Sub Clust. 16
0.944

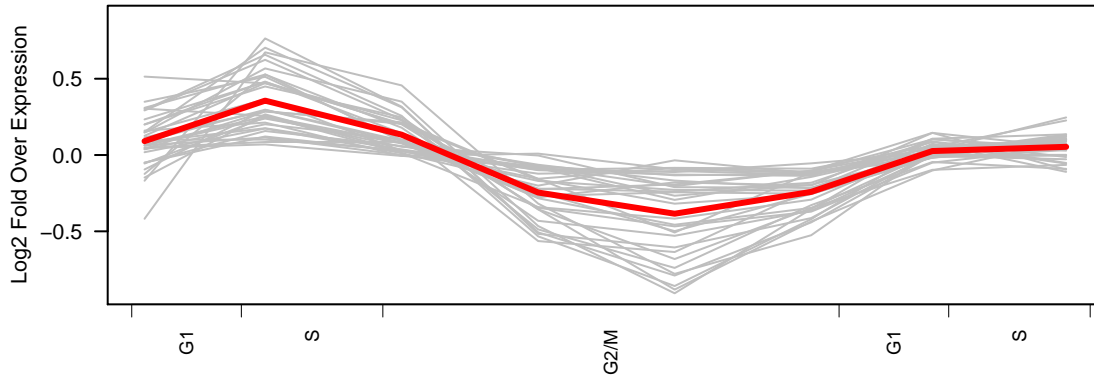


Sub Clust. 17
0.736

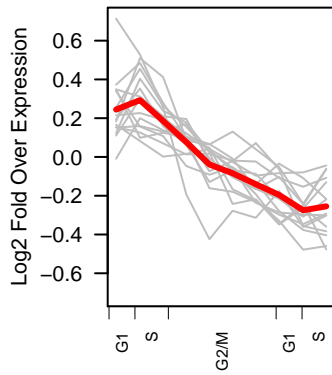


Centroids of clusters from Figure 3

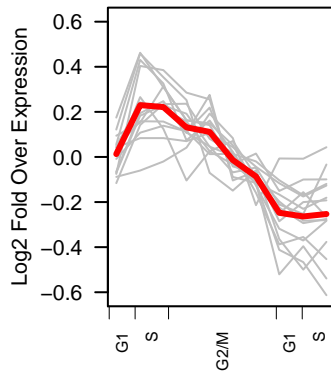
Wild-type Cluster – I
Within cluster Pearson correlation – 0.892



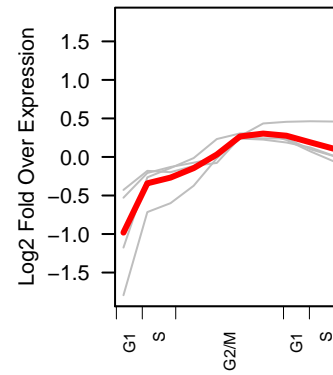
Sub Clust. 18
0.791



Sub Clust. 19
0.811

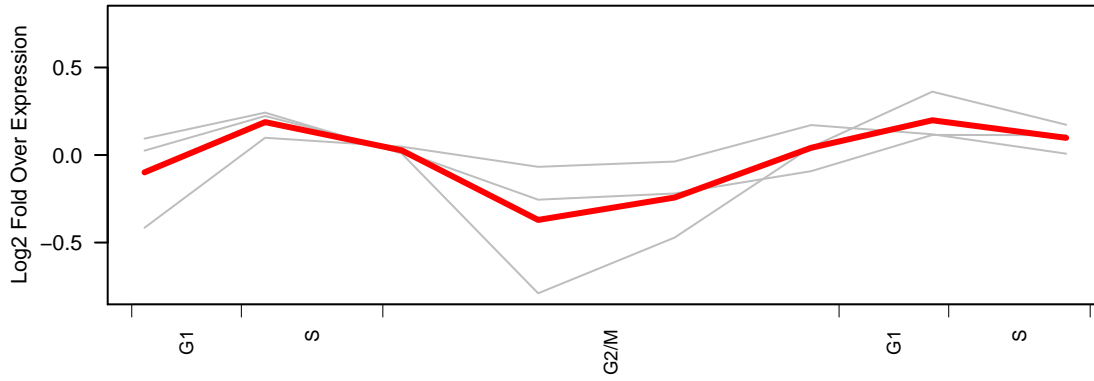


Sub Clust. 20
0.887

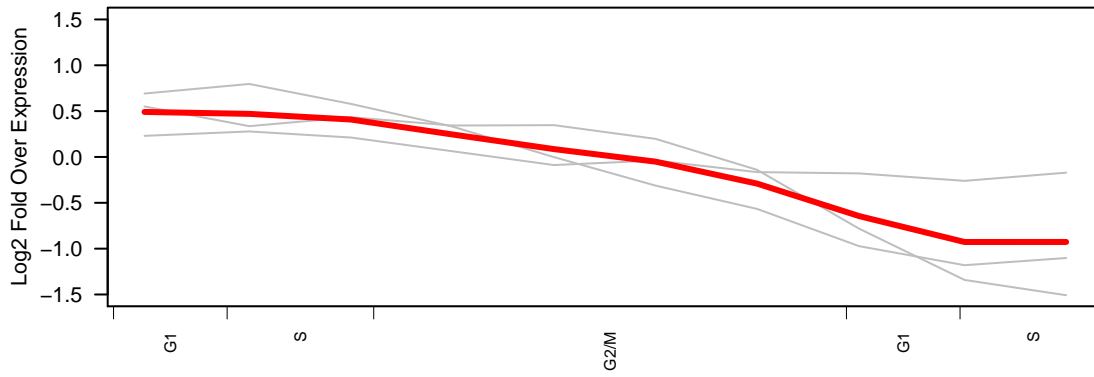


Centroids of clusters from Figure 3

Wild-type Cluster – J
Within cluster Pearson correlation – 0.68

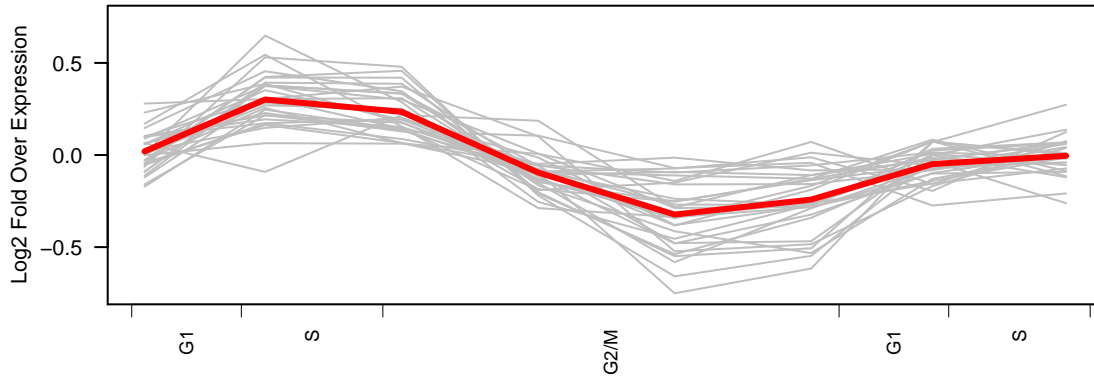


Sub Clust. 21
0.904

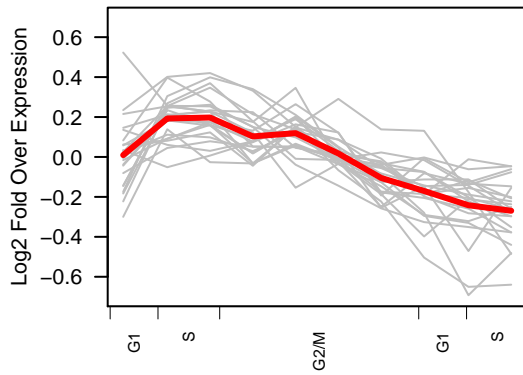


Centroids of clusters from Figure 3

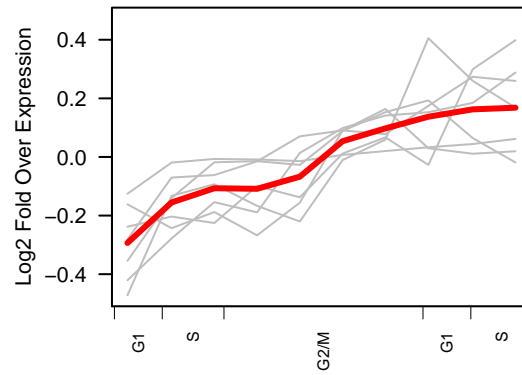
Wild-type Cluster – K
Within cluster Pearson correlation – 0.863



Sub Clust. 22
0.757

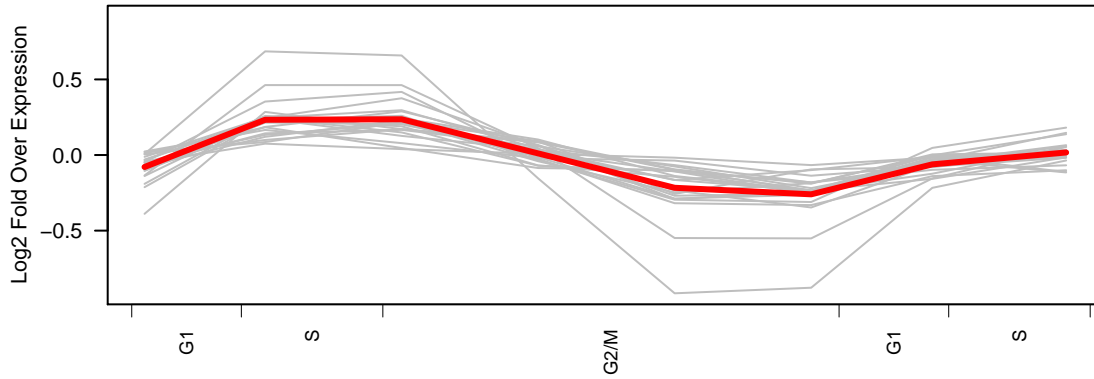


Sub Clust. 23
0.734

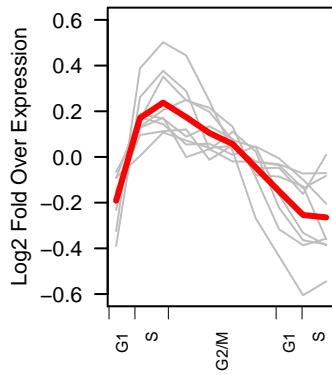


Centroids of clusters from Figure 3

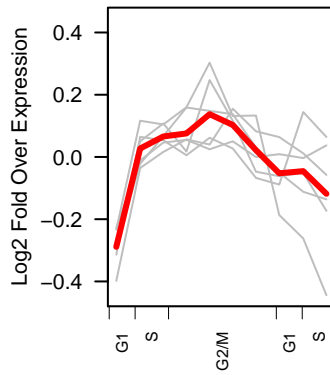
Wild-type Cluster - L
Within cluster Pearson correlation - 0.899



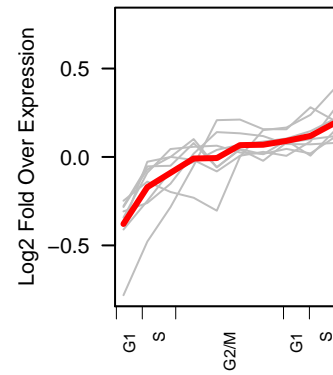
Sub Clust. 24
0.85



Sub Clust. 25
0.723

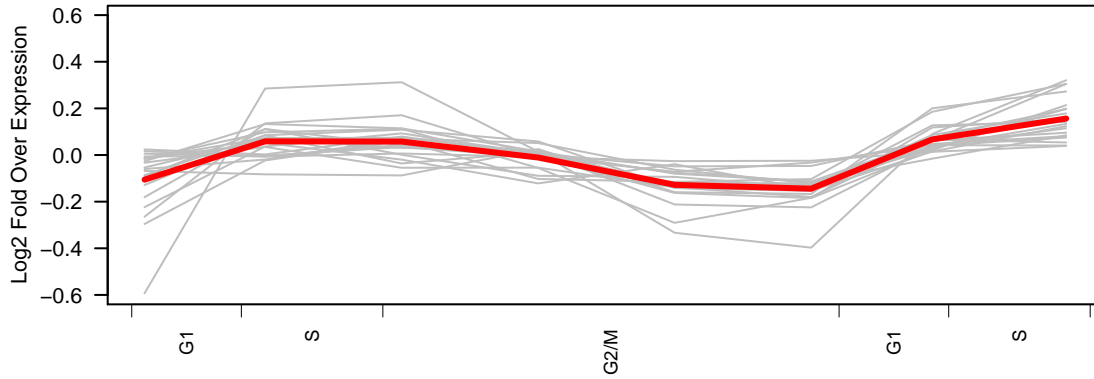


Sub Clust. 26
0.802

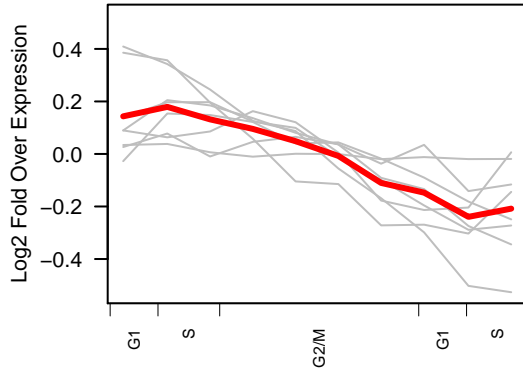


Centroids of clusters from Figure 3

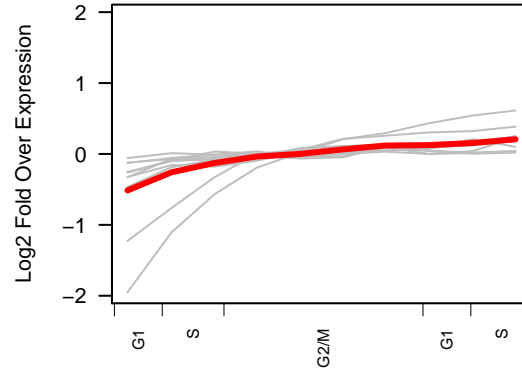
Wild-type Cluster – M
Within cluster Pearson correlation – 0.772



Sub Clust. 27
0.812

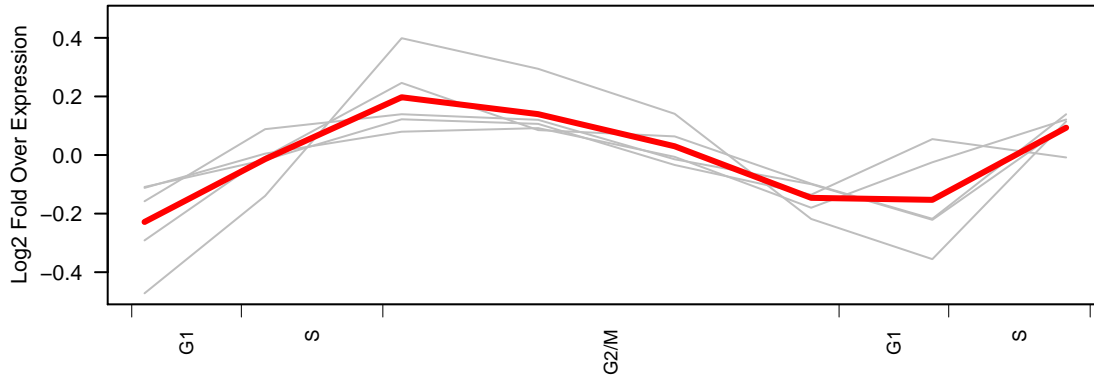


Sub Clust. 28
0.834

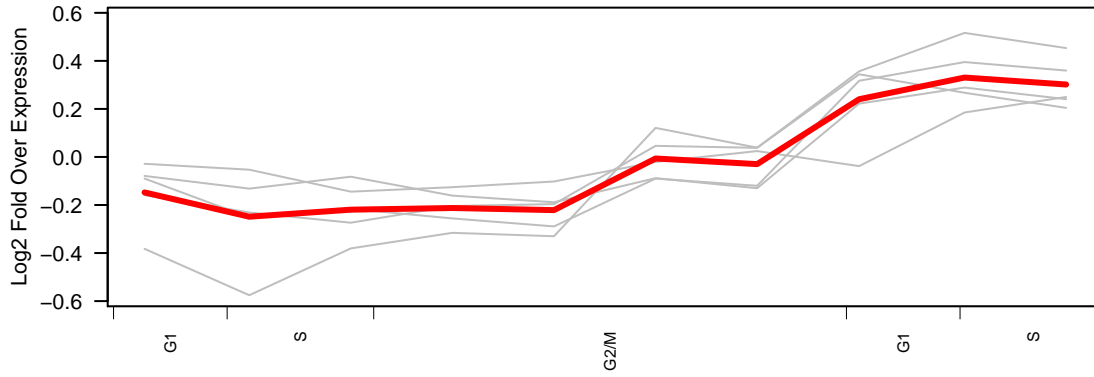


Centroids of clusters from Figure 3

Wild-type Cluster - N
Within cluster Pearson correlation - 0.835

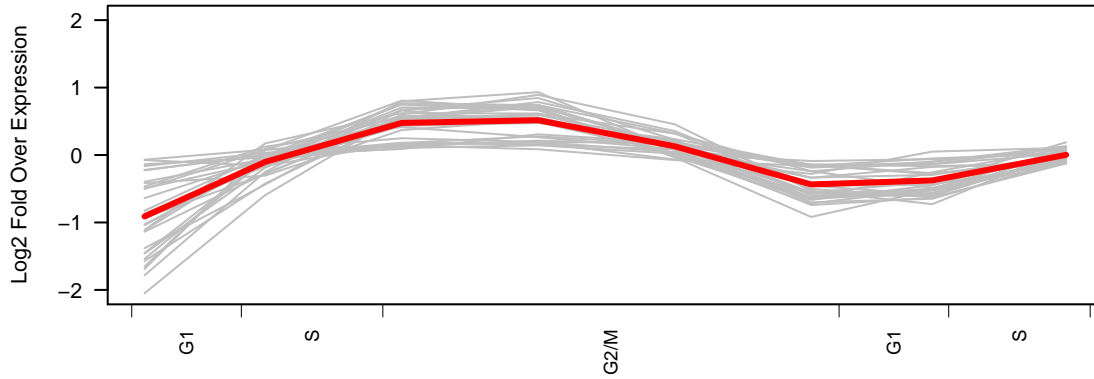


Sub Clust. 29
0.784

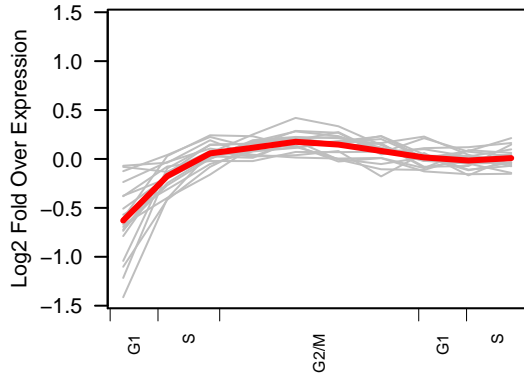


Centroids of clusters from Figure 3

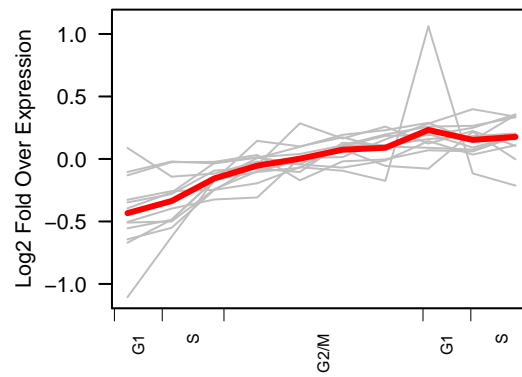
Wild-type Cluster - O
Within cluster Pearson correlation - 0.911



Sub Clust. 30
0.739

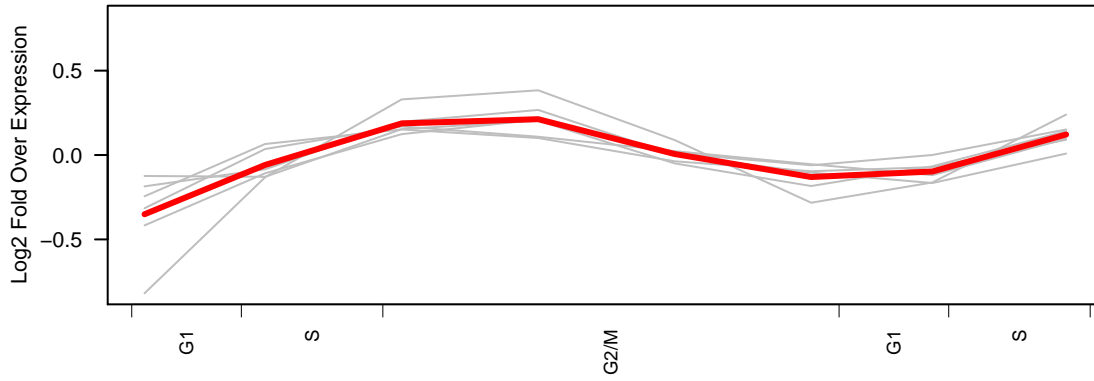


Sub Clust. 31
0.661

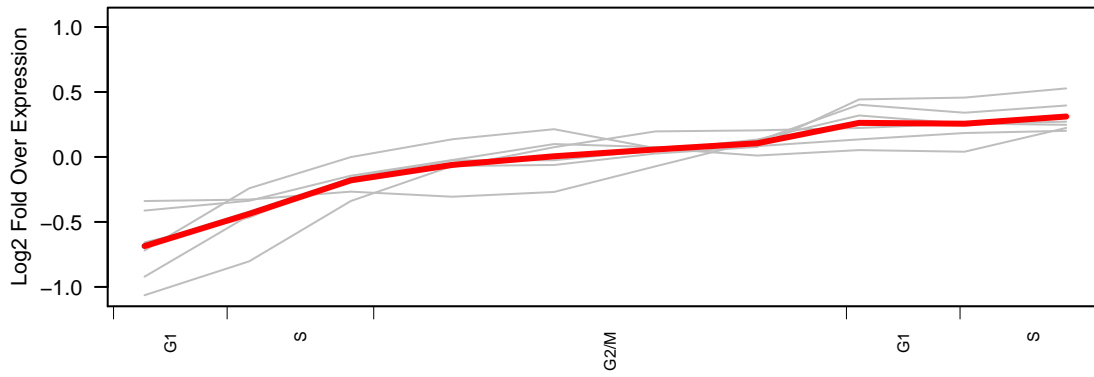


Centroids of clusters from Figure 3

Wild-type Cluster - P
Within cluster Pearson correlation - 0.778

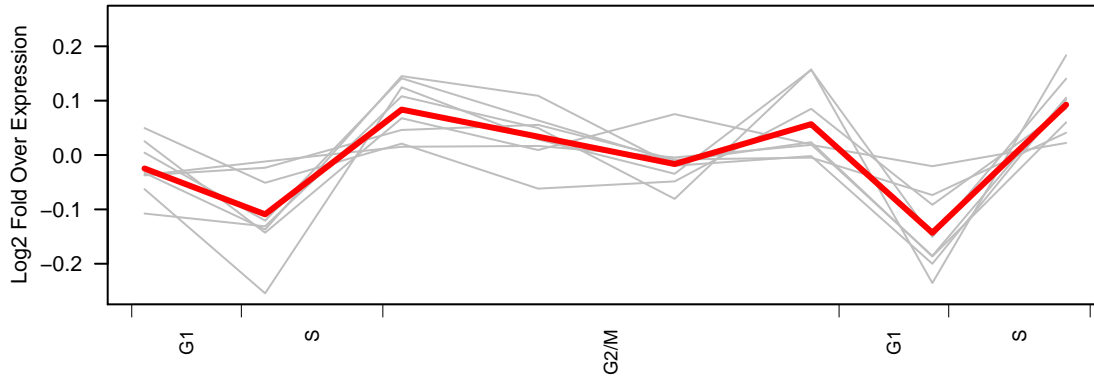


Sub Clust. 32
0.827

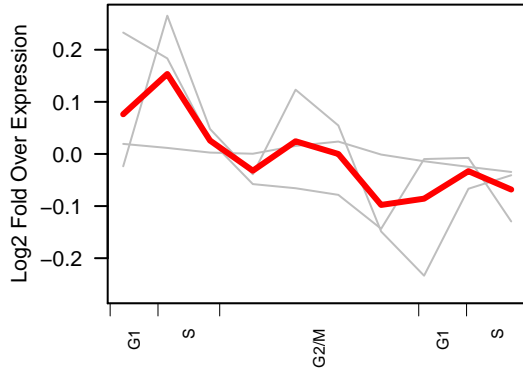


Centroids of clusters from Figure 3

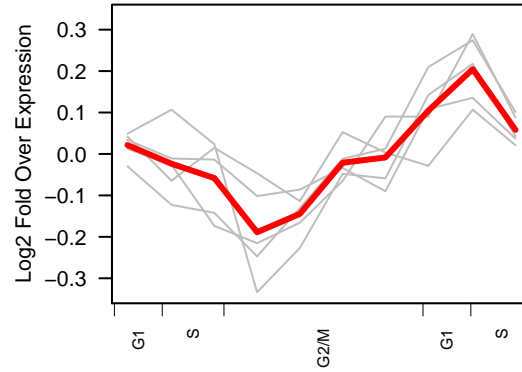
Wild-type Cluster - Q
Within cluster Pearson correlation - 0.742



Sub Clust. 33
0.666

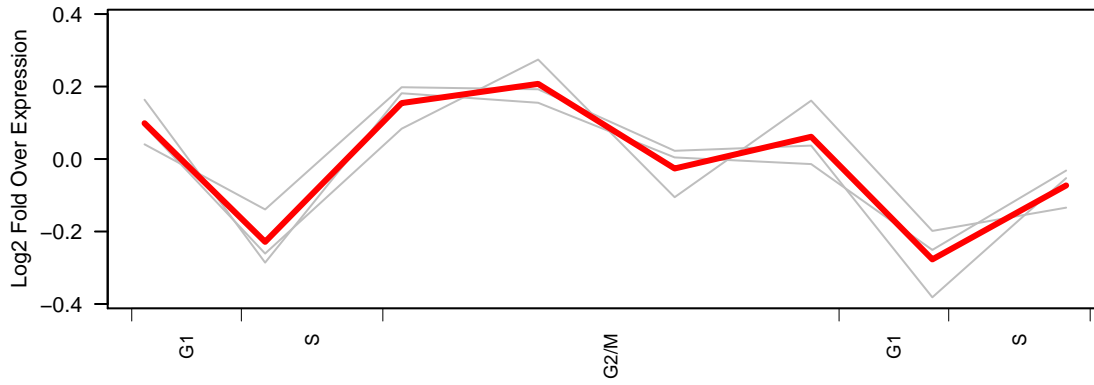


Sub Clust. 34
0.721

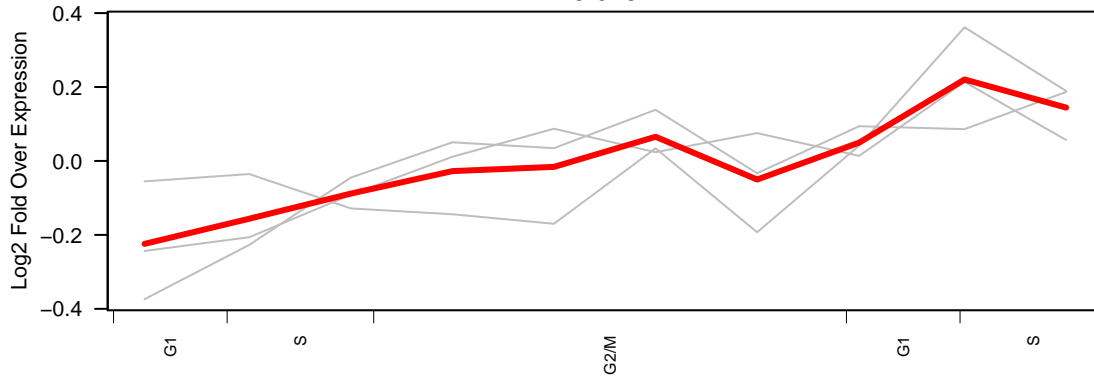


Centroids of clusters from Figure 3

Wild-type Cluster - R
Within cluster Pearson correlation - 0.871

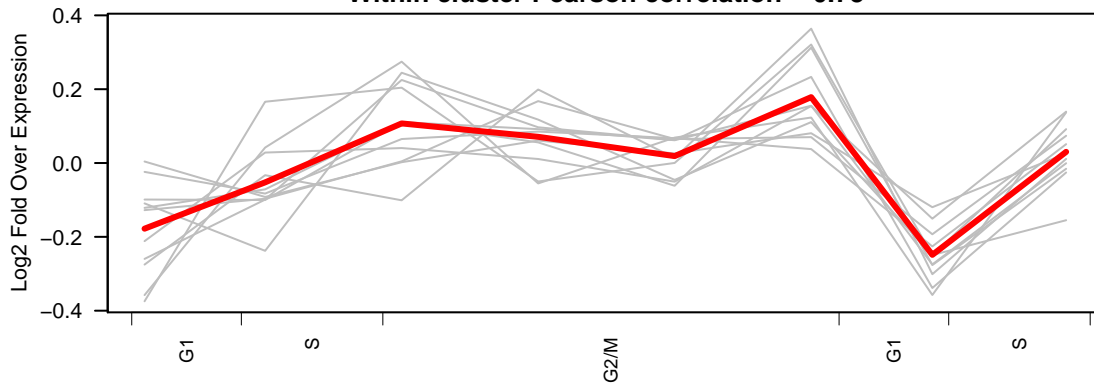


Sub Clust. 35
0.678

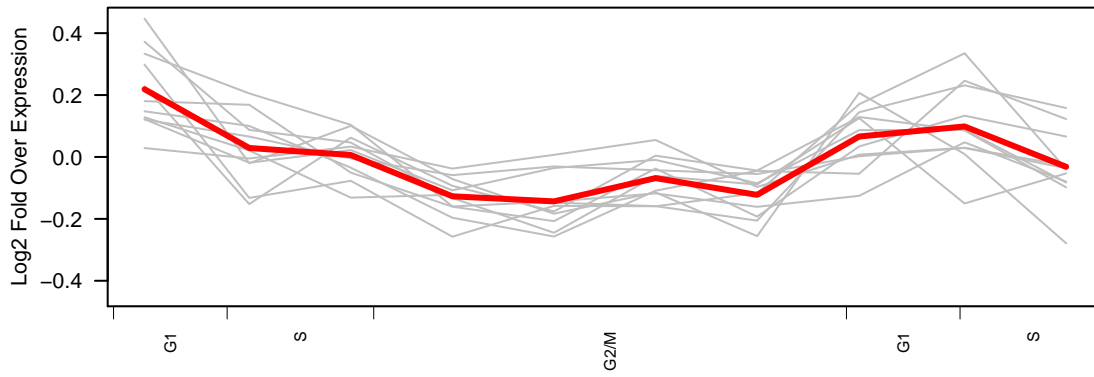


Centroids of clusters from Figure 3

Wild-type Cluster - S
Within cluster Pearson correlation - 0.73

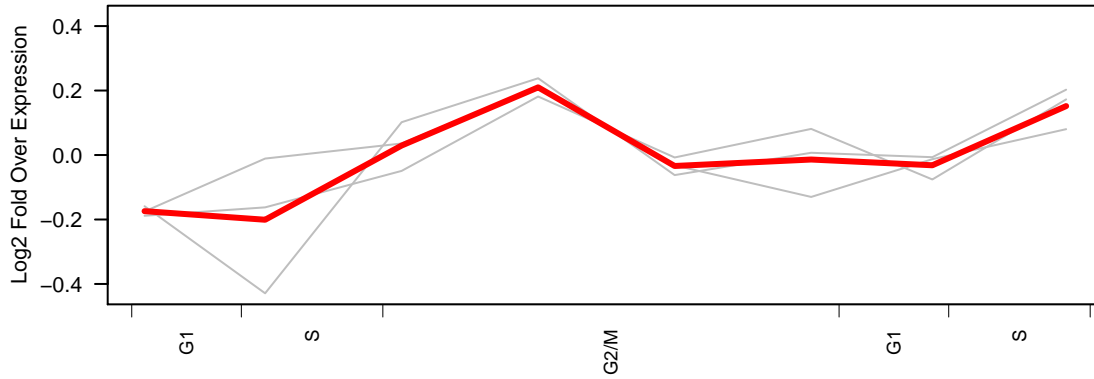


Sub Clust. 36
0.69

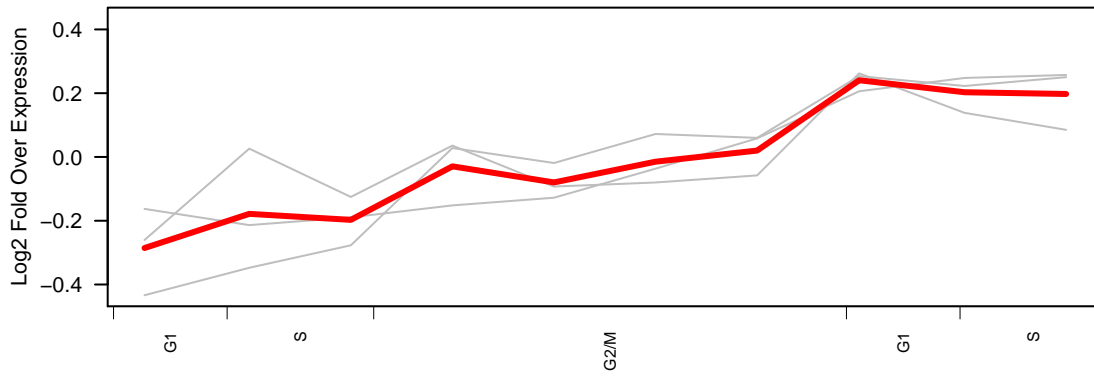


Centroids of clusters from Figure 3

Wild-type Cluster - T
Within cluster Pearson correlation - 0.674

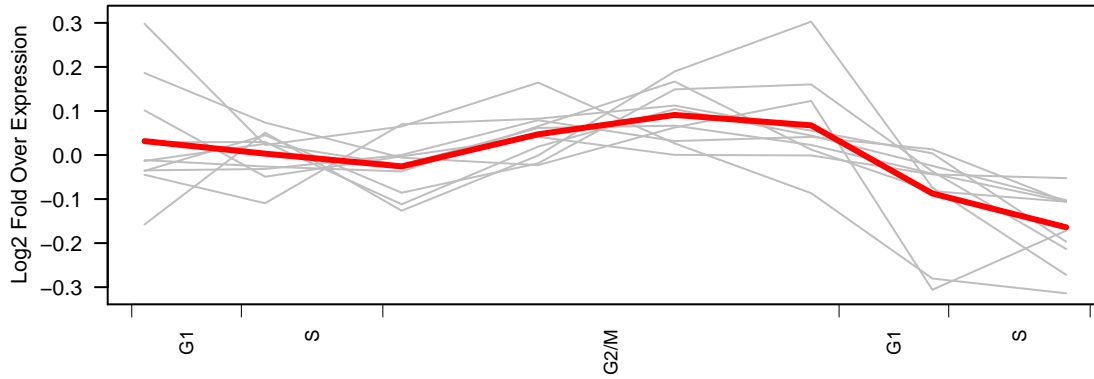


Sub Clust. 37
0.848

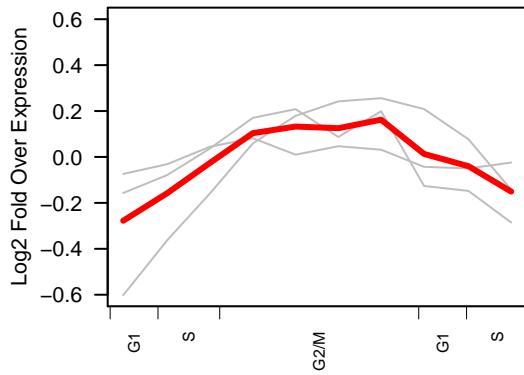


Centroids of clusters from Figure 3

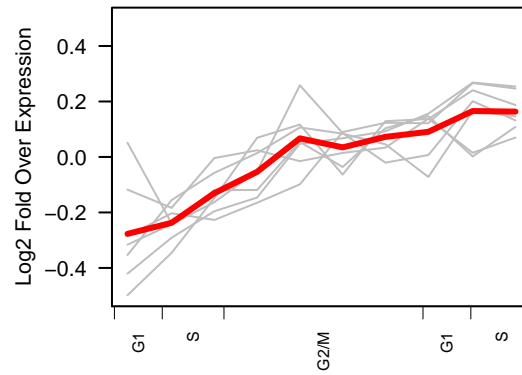
Wild-type Cluster - U
Within cluster Pearson correlation - 0.73



Sub Clust. 38
0.698

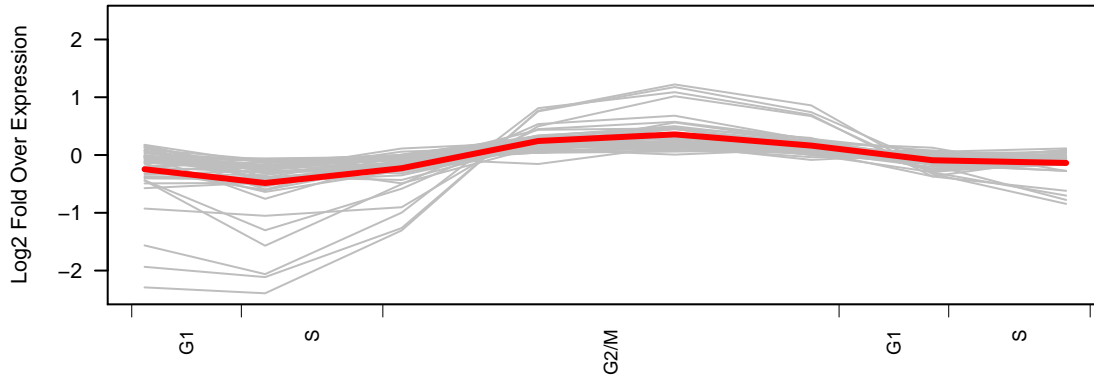


Sub Clust. 39
0.829

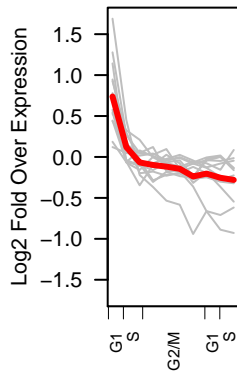


Centroids of clusters from Figure 3

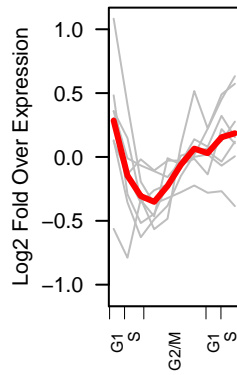
Wild-type Cluster - V
Within cluster Pearson correlation - 0.845



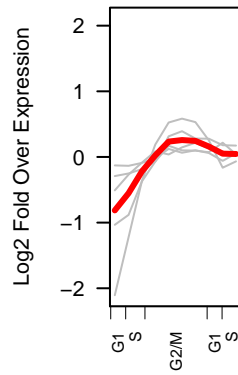
Sub Clust. 40
0.848



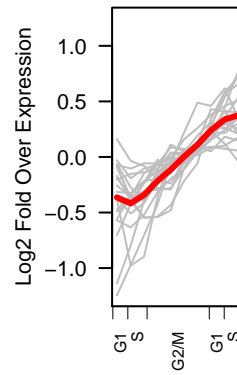
Sub Clust. 41
0.669



Sub Clust. 42
0.872

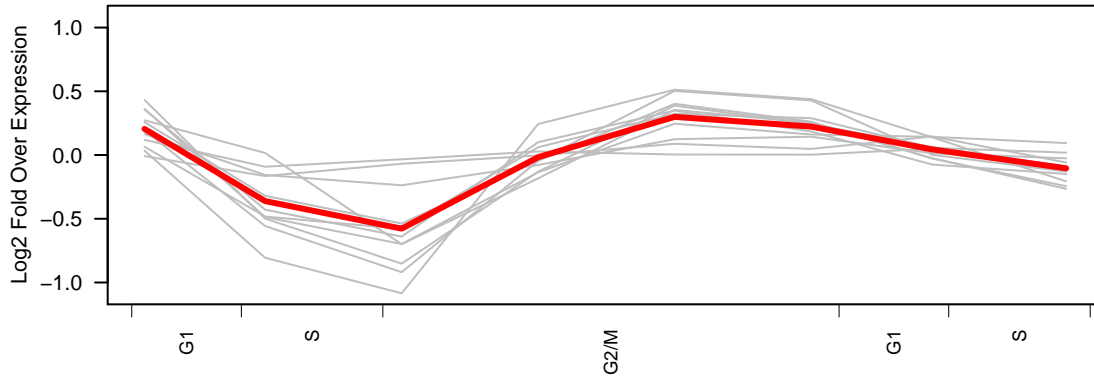


Sub Clust. 43
0.872

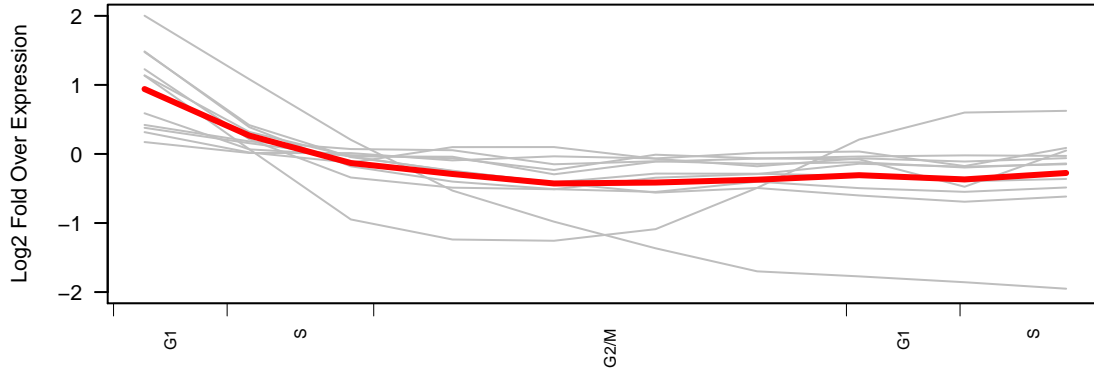


Centroids of clusters from Figure 3

Wild-type Cluster – W
Within cluster Pearson correlation – 0.869

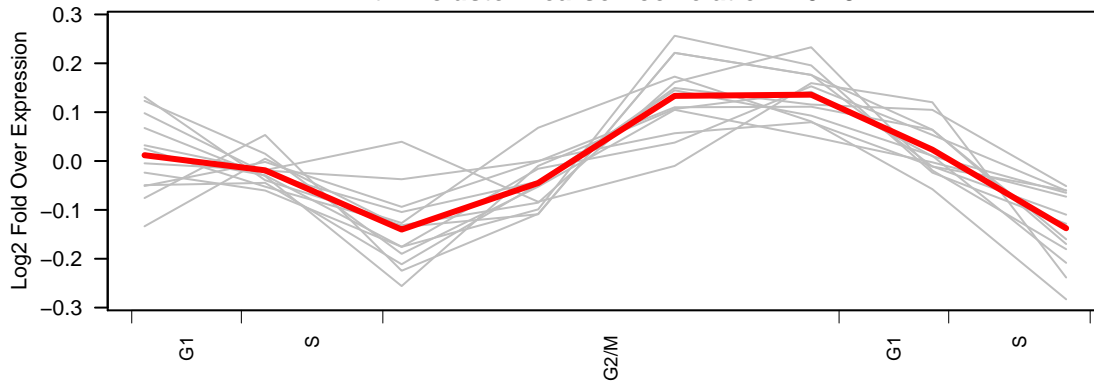


Sub Clust. 44
0.825

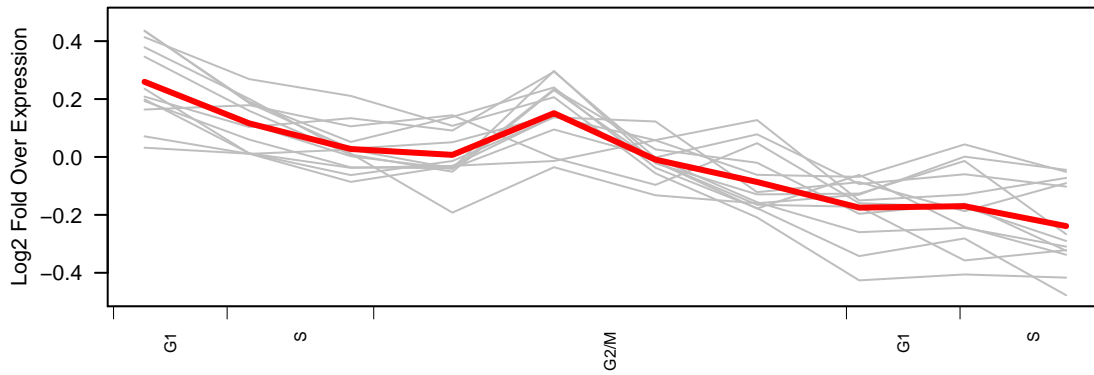


Centroids of clusters from Figure 3

Wild-type Cluster - X
Within cluster Pearson correlation - 0.794

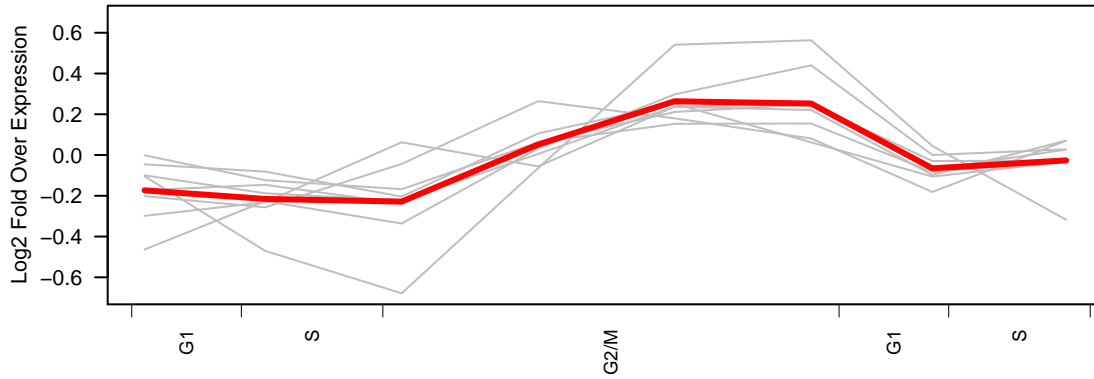


Sub Clust. 45
0.689

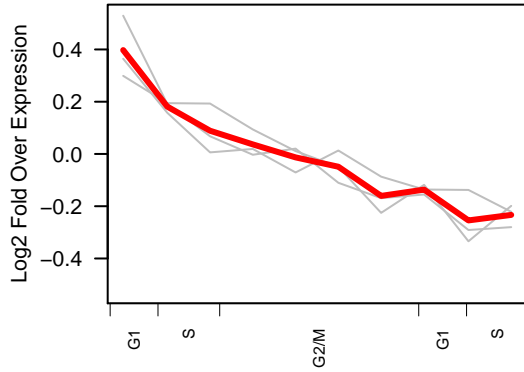


Centroids of clusters from Figure 3

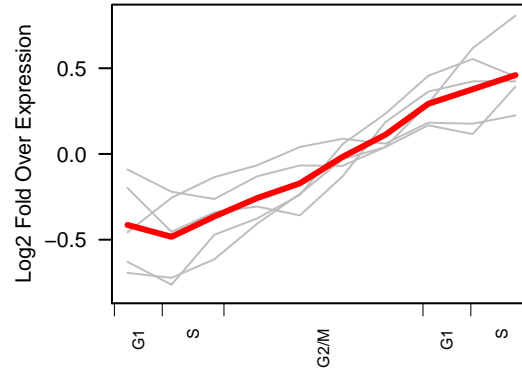
Wild-type Cluster - Y
Within cluster Pearson correlation - 0.737



Sub Clust. 46
0.855

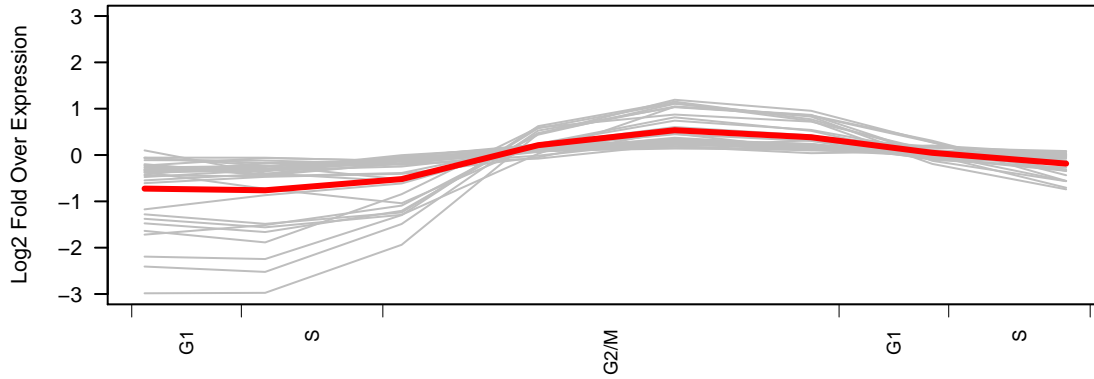


Sub Clust. 47
0.904

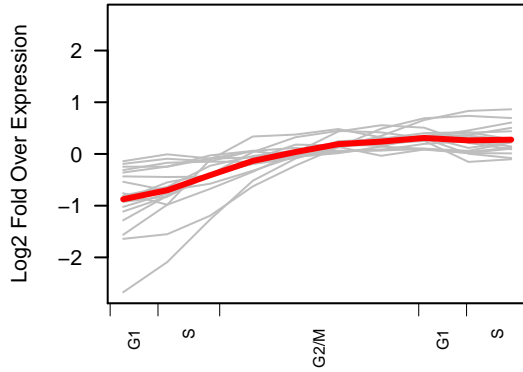


Centroids of clusters from Figure 3

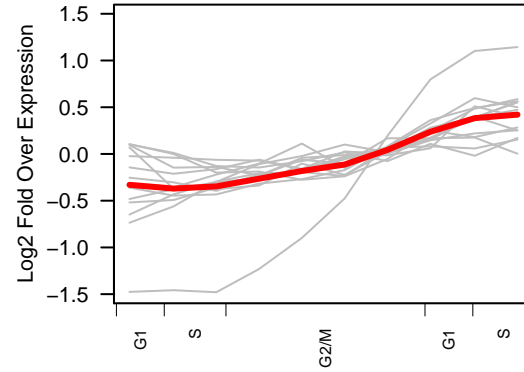
Wild-type Cluster - Z
Within cluster Pearson correlation - 0.925



Sub Clust. 48
0.851

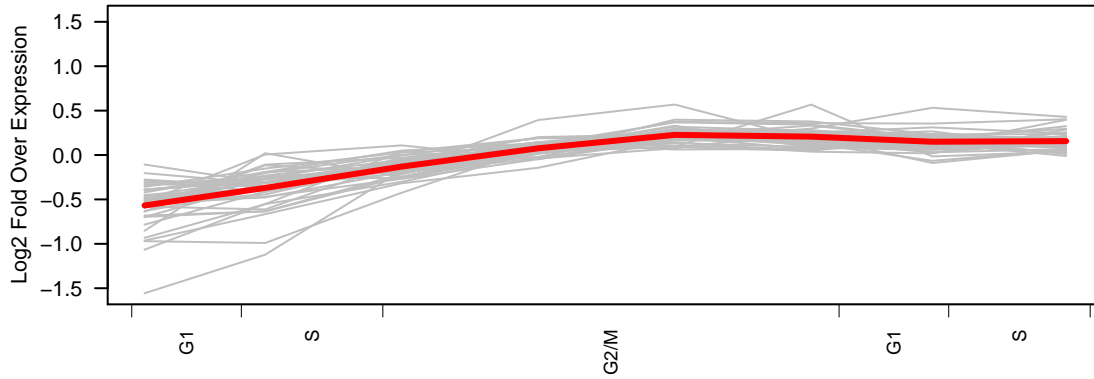


Sub Clust. 49
0.854

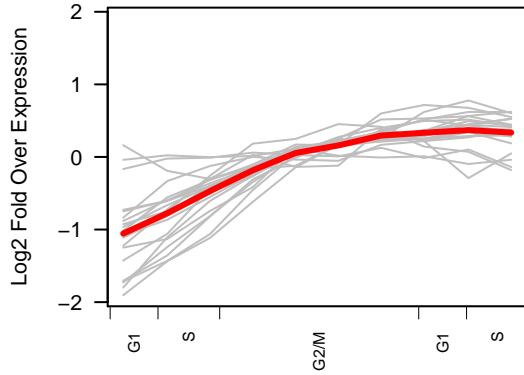


Centroids of clusters from Figure 3

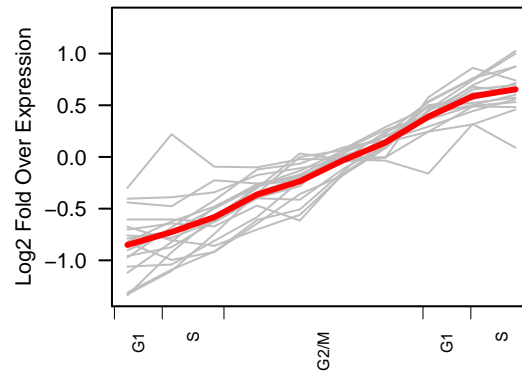
Wild-type Cluster – AA
Within cluster Pearson correlation – 0.868



Sub Clust. 50
0.806

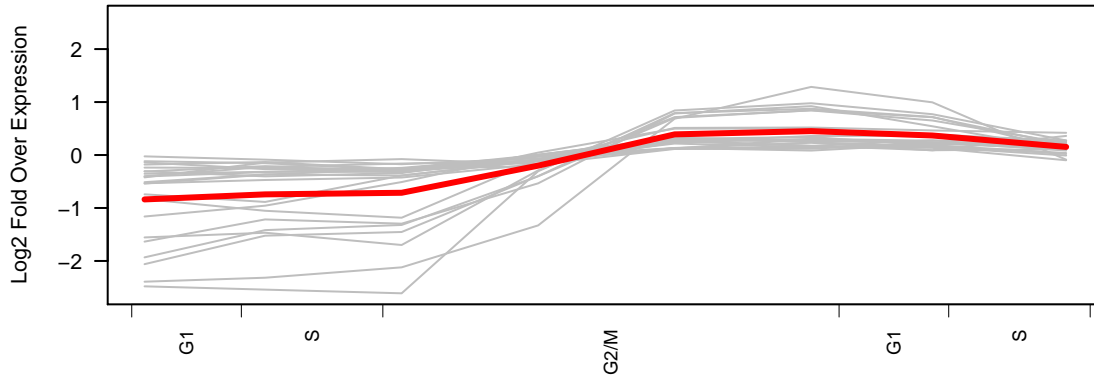


Sub Clust. 51
0.932

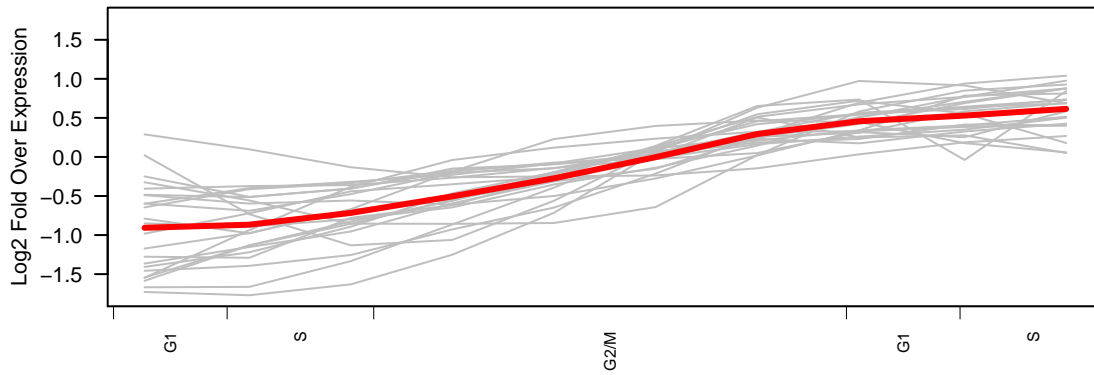


Centroids of clusters from Figure 3

Wild-type Cluster – AB
Within cluster Pearson correlation – 0.931

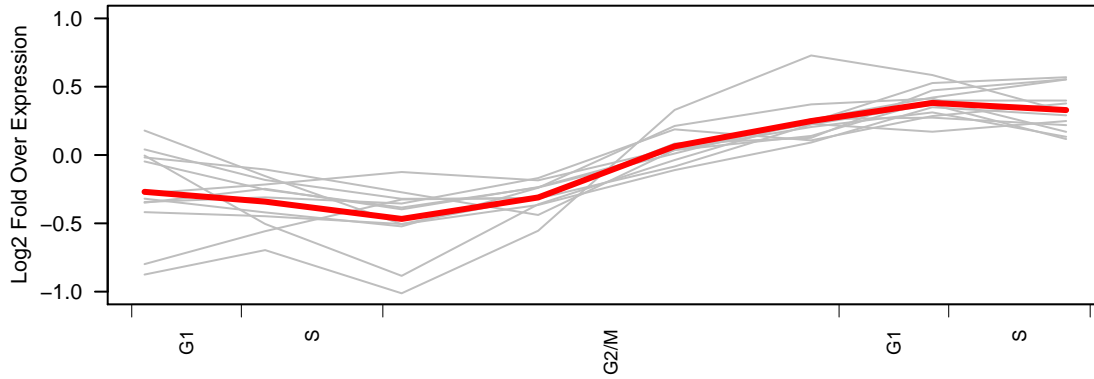


Sub Clust. 52
0.831

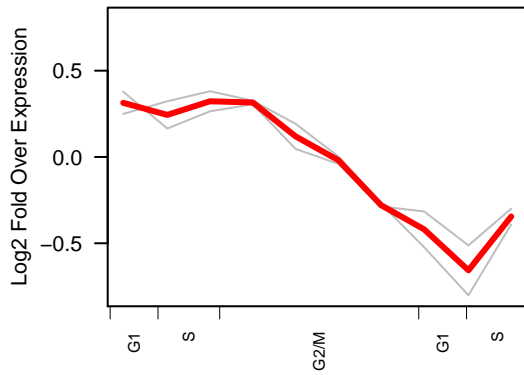


Centroids of clusters from Figure 3

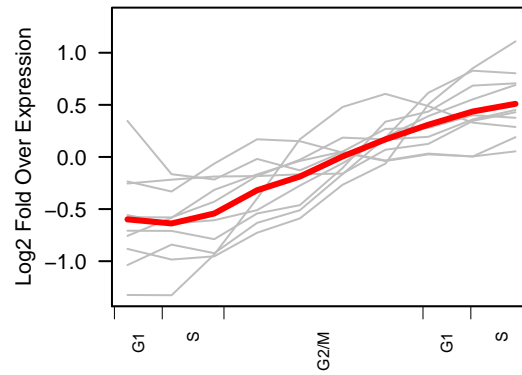
Wild-type Cluster – AC
Within cluster Pearson correlation – 0.905



Sub Clust. 53
0.763

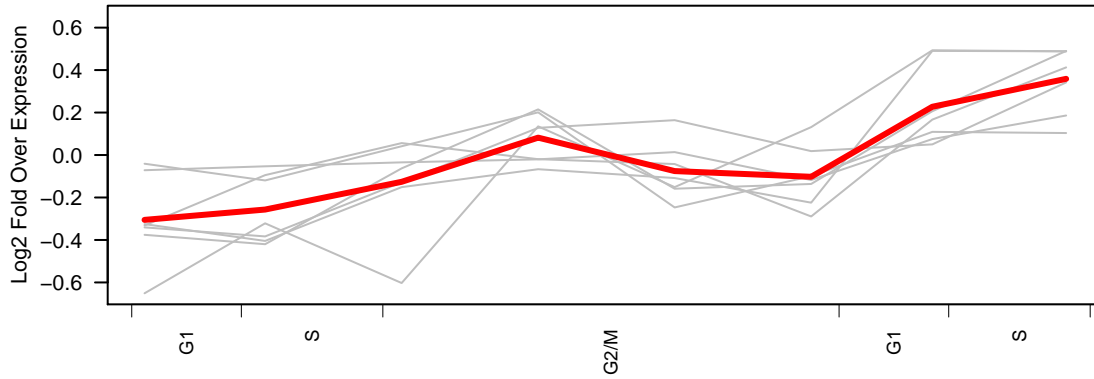


Sub Clust. 54
0.685

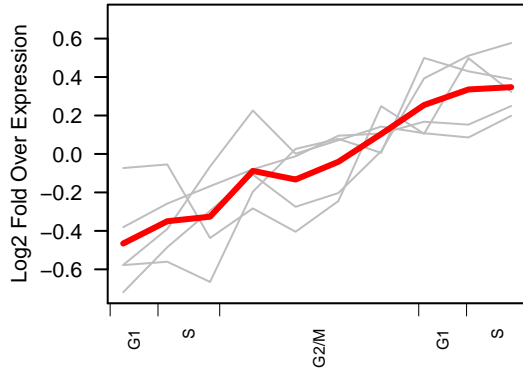


Centroids of clusters from Figure 3

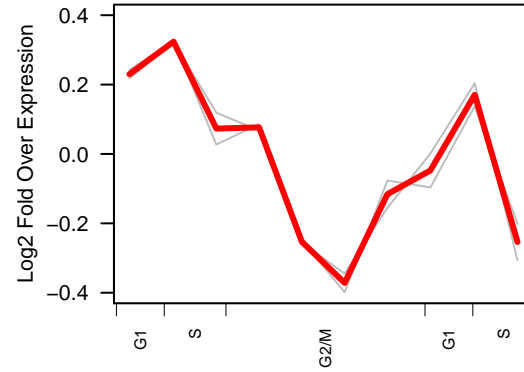
Wild-type Cluster – AD
Within cluster Pearson correlation – 0.665



Sub Clust. 55
0.729



Sub Clust. 56
0.972



Centroids of clusters from Figure 3