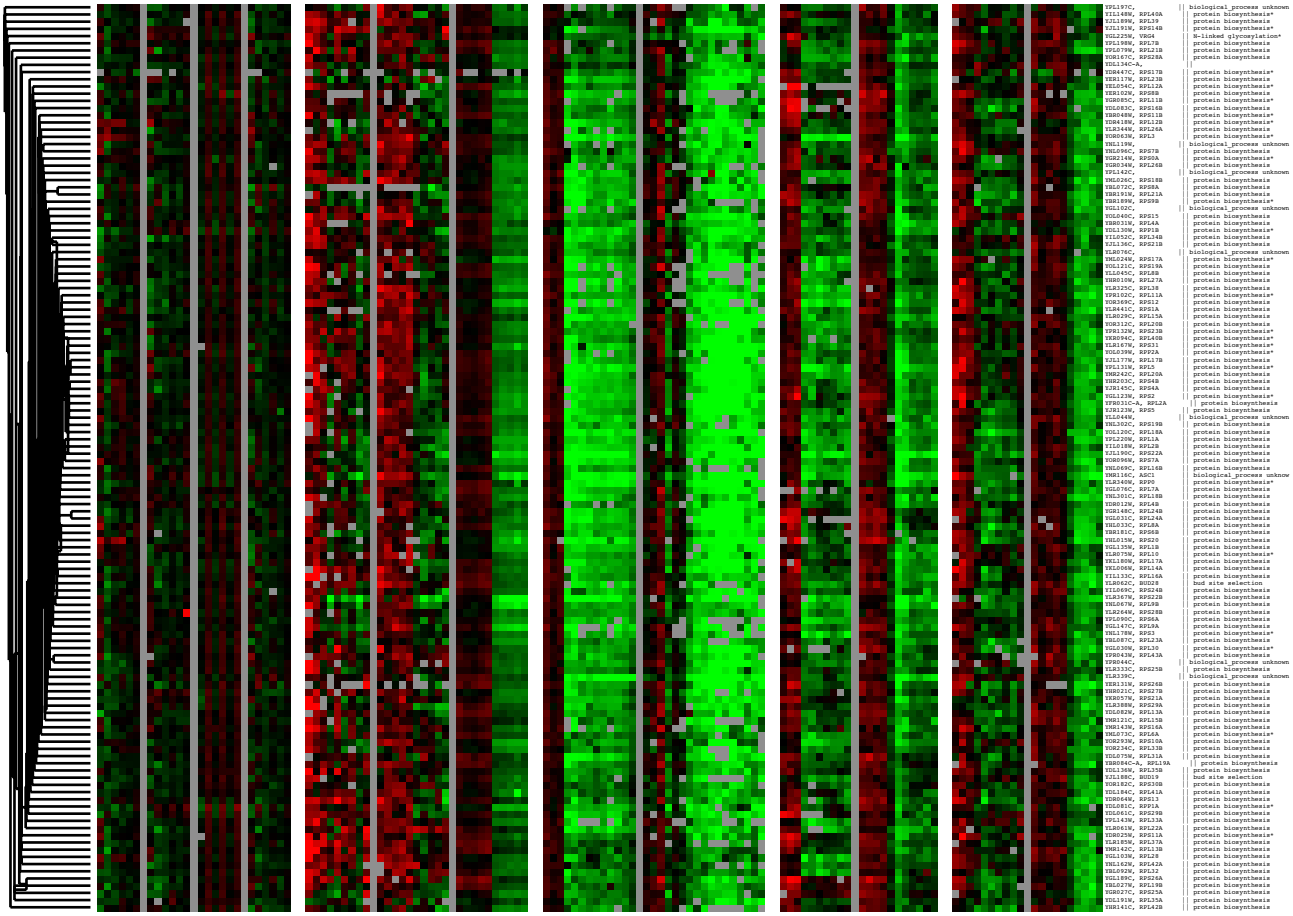Figure 4 Cluster 12