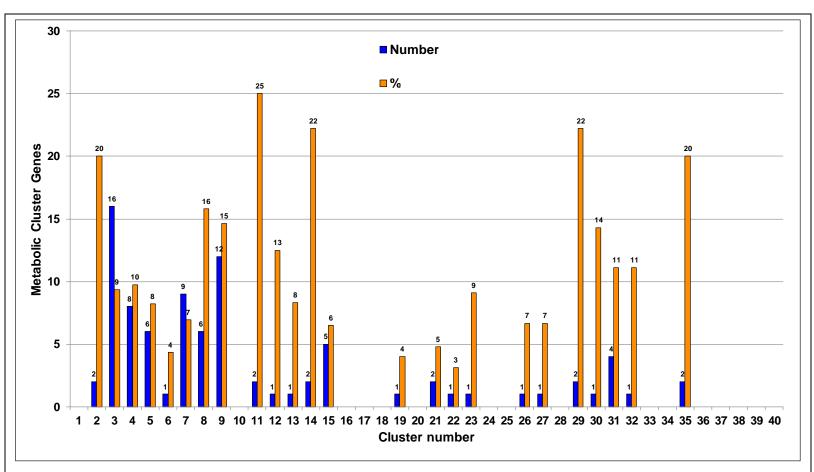
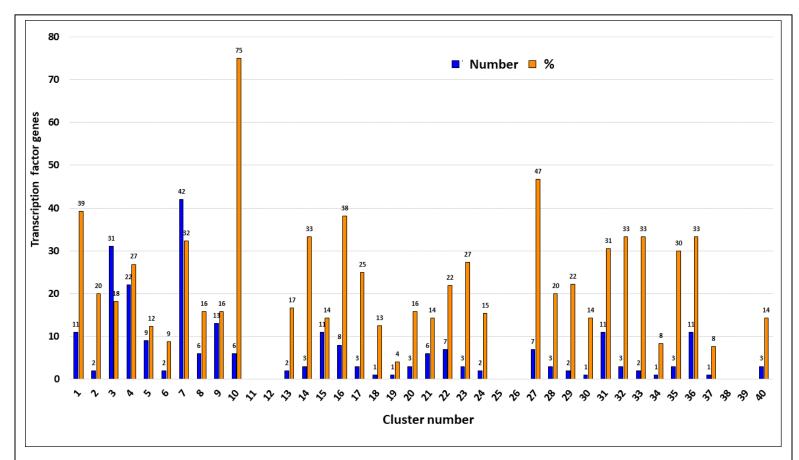
## **Additional File 7**



**Distribution of metabolic genes in clusters.** The number of metabolic genes in each cluster, along with the % representation in each cluster is shown (actual numbers on top of bars). The list of metabolic genes is from Dreyfuss et al., 2013.



**Distribution of transcription factors in clusters.** The number of genes encoding a transcription factor in each cluster, along with the % representation in each cluster is shown (actual numbers on top of bars). The list of transcription factor genes is from Carrillo et. al., 2015.