

Coexpression Module-worksheet

1. For the top ten ORFs coexpressed with your proto-gene, how many are canonical ORFs (ie annotated genes)?
2. What is the canonical gene most coexpressed with your proto-gene? Use SGD to see what functions this gene is involved in.
3. What is the noncanonical ORF most coexpressed with your proto-gene? Where is this ORF located in the genome?
4. What does the coexpression network for your proto-gene look like at a coexpression threshold of >0.8 ? What about >0.9 ? Is it primarily canonical or noncanonical ORFs? Or both? Include a picture of the network at both thresholds.
5. What are the top biological processes that genes coexpressed with your proto-gene are involved in?