

## Lab Update

- Review of Ouestion
- RT PCR
- Analysis of PAGE Results
- Quantitative PCR
- MiniReport



## **Research Question**

- What are the physiological roles of the two GRP170 genes in Caenorhabditis elegans?
- Reminder
  - GRP170 is a large ER chaperone.
  - Other ER chaperones that are important for ER Protein folding are induced by agents that inhibit protein folding in the ER (UPR)
- Experiment: Compare the levels of grp170a and grp170b in worms induced for UPR and control worms.
- Significance: Changes in grp170 during the UPR would suggests that 170 plays a role in protein folding in the ER.

















