

The diagram illustrates a complex network of gene-gene interactions. The nodes, representing genes, are arranged in a hierarchical and clustered manner. Key features include:

- Central Hub:** A cluster of genes including *lacA*, *lacZ*, *lacY*, *cspG*, and *yheI* forms a central core of high-confidence interactions (thick solid lines).
- Peripheral Clusters:**
  - Top Left:* Genes like *sucA*, *atpG*, *sucD*, *fixC*, and *ycgX* are interconnected.
  - Bottom Left:* Genes like *ftsJ*, *mopB*, *lacZ*, *asnA*, *lacA*, *lacY*, and *cspA* form a cluster.
  - Right Side:* Genes like *yheI*, *dnaK*, *folK*, *dnaG*, and *b1963* are connected to the central hub.
- Interaction Types:**
  - Thick Solid Lines:** Represent high-confidence interactions.
  - Thin Solid Lines:** Represent lower-confidence interactions.
  - Dotted Lines:** Represent predicted or less certain interactions.