SMR5 vs. MH1-N: decreased transcript levels of 125 genes in the glnR deletion strain

- **Metabolism**
  - E: Amino acid transport and metabolism
  - C: Energy production and conversion
  - P: Inorganic ion transport and metabolism
  - F: Nucleotide transport and metabolism
  - G: Carbohydrate transport and metabolism
  - I: Lipid transport and metabolism
  - Q: Secondary metabolites biosynthesis, transport and catabolism
  - H: Coenzyme transport and metabolism

- **Poorly characterized**
  - X: Not in COG
  - R: General function prediction only
  - S: Function unknown

- **Information storage and processing**
  - K: Transcription
  - J: Translation, ribosomal structure and biogenesis

- **Cellular processes and signaling**
  - M: Cell wall/membrane/envelope biogenesis
  - O: Posttranslational modification, protein turnover, chaperones
  - V: Defense mechanisms
  - T: Signal transduction mechanisms