Transcriptomic profiling of *S. meliloti* 1021 genes following a shift to acidic pH

- **up-regulation**
  - permanent
    - strong permanent up-regulation
    - intermediate permanent up-regulation
    - progressive permanent up-regulation
    - short transient up-regulation
  - transient
    - progressive transient up-regulation
    - short transient up-regulation

- **down-regulation**
  - permanent
    - progressive permanent down-regulation
    - short transient down-regulation
  - transient
    - ultra short transient down-regulation