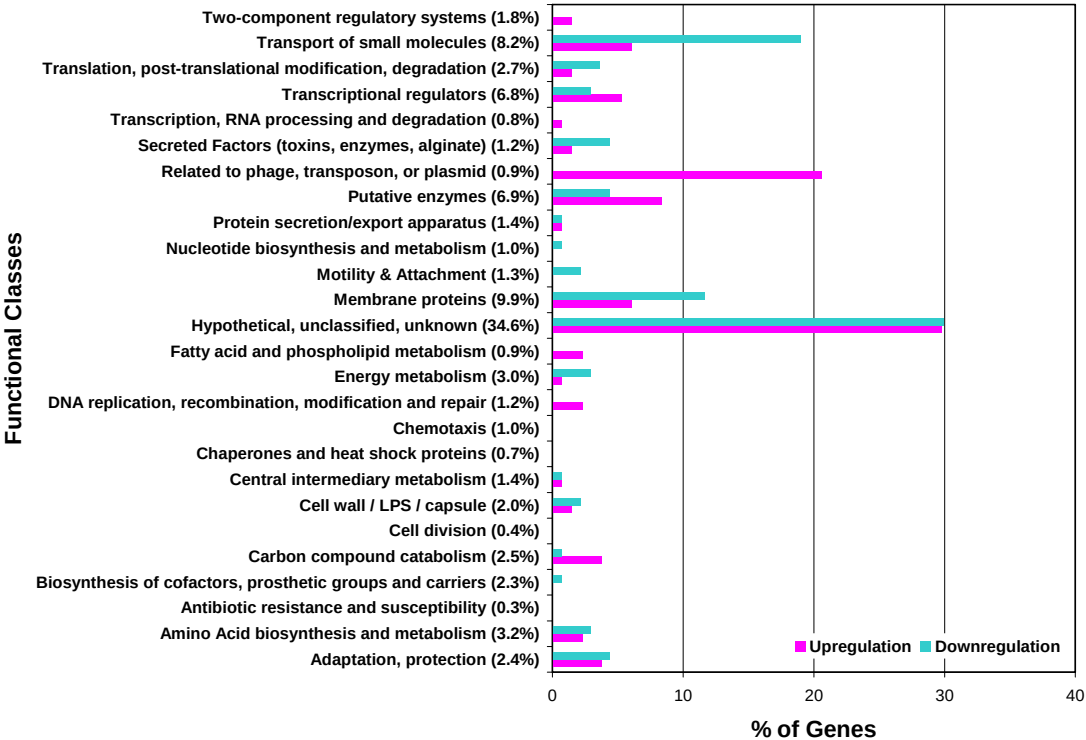
Functional Classes
Two-component regulatory systems (1.8%)
Transport of small molecules (8.2%)
Translation, post-translational modification, degradation (2.7%)
Transcriptional regulators (6.8%)
Transcription, RNA processing and degradation (0.8%)
Secreted Factors (toxins, enzymes, alginate) (1.2%)
Related to phage, transposon, or plasmid (0.9%)
Putative enzymes (6.9%)
Protein secretion/export apparatus (1.4%)
Nucleotide biosynthesis and metabolism (1.0%)
Motility & Attachment (1.3%)
Membrane proteins (9.9%)
Hypothetical, unclassified, unknown (34.6%)
Fatty acid and phospholipid metabolism (0.9%)
Energy metabolism (3.0%)
DNA replication, recombination, modification and repair (1.2%)
Chemotaxis (1.0%)
Chaperones and heat shock proteins (0.7%)
Central intermediary metabolism (1.4%)
Cell wall / LPS / capsule (2.0%)
Cell division (0.4%)
Carbon compound catabolism (2.5%)
Biosynthesis of cofactors, prosthetic groups and carriers (2.3%)
Antibiotic resistance and susceptibility (0.3%)
Amino Acid biosynthesis and metabolism (3.2%)
Adaptation, protection (2.4%)
Upregulation
Downregulation
0
10
20
30
40
% of Genes