Essential genes Ribosome -Fatty acid biosynthesis -Terpenoid backbone biosynthesis -DNA replication -Protein export -Fatty acid metabolism -Riboflavin metabolism -Peptidoglycan biosynthesis -Lysine biosynthesis -Pathway Lipopolysaccharide biosynthesis -Homologous recombination -Pyrimidine metabolism -RNA polymerase -Mismatch repair -D-Glutamine and D-glutamate metabolism -Metabolic pathways -Porphyrin and chlorophyll metabolism -Biotin metabolism -Biosynthesis of secondary metabolites -Vancomycin resistance -25 50 100 125 75 -log10(P-value)