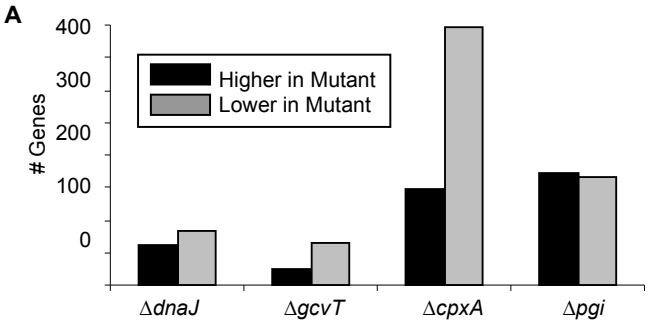
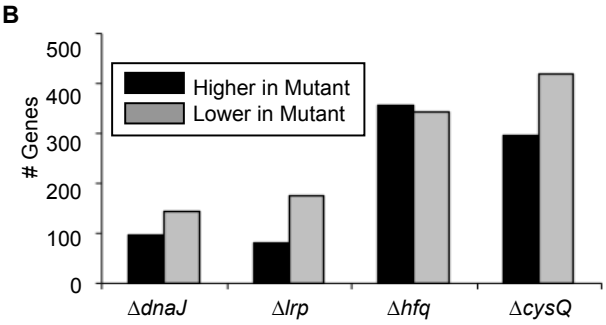
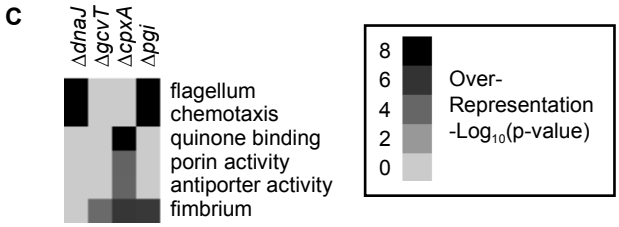
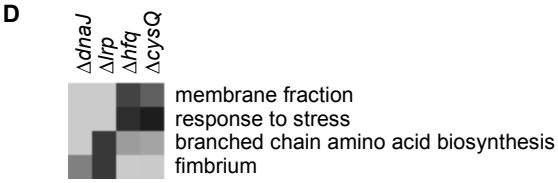
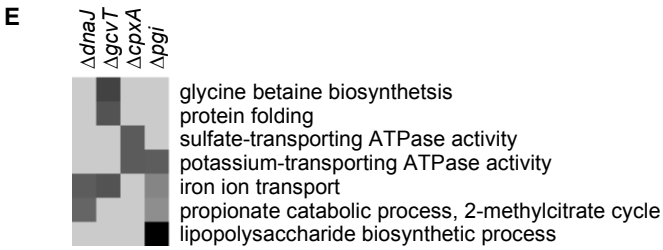
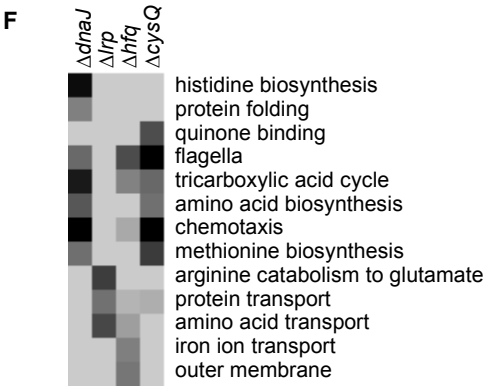

A
400
300
200
100
0
Genes
Higher in Mutant
Lower in Mutant
ΔdnaJ
ΔgcvT
ΔcpxA
Δpgi


B
500
400
300
200
100
0
Genes
Higher in Mutant
Lower in Mutant
ΔdnaJ
Δlrp
Δhfq
ΔcysQ


C
ΔdnaJ
ΔgcvT
ΔcpxA
Δpgi
flagellum
chemotaxis
quinone binding
porin activity
antiporter activity
fimbrium
8
6
4
2
0
Over-Representation
-Log10(p-value)


D
ΔdnaJ
Δlrp
Δhfq
ΔcysQ
membrane fraction
response to stress
branched chain amino acid biosynthesis
fimbrium


E
ΔdnaJ
ΔgcvT
ΔcpxA
Δpgi
glycine betaine biosynthetsis
protein folding
sulfate-transporting ATPase activity
potassium-transporting ATPase activity
iron ion transport
propionate catabolic process, 2-methylcitrate cycle
lipopolysaccharide biosynthetic process


F
ΔdnaJ
Δlrp
Δhfq
ΔcysQ
histidine biosynthesis
protein folding
quinone binding
flagella
tricarboxylic acid cycle
amino acid biosynthesis
chemotaxis
methionine biosynthesis
arginine catabolism to glutamate
protein transport
amino acid transport
iron ion transport
outer membrane