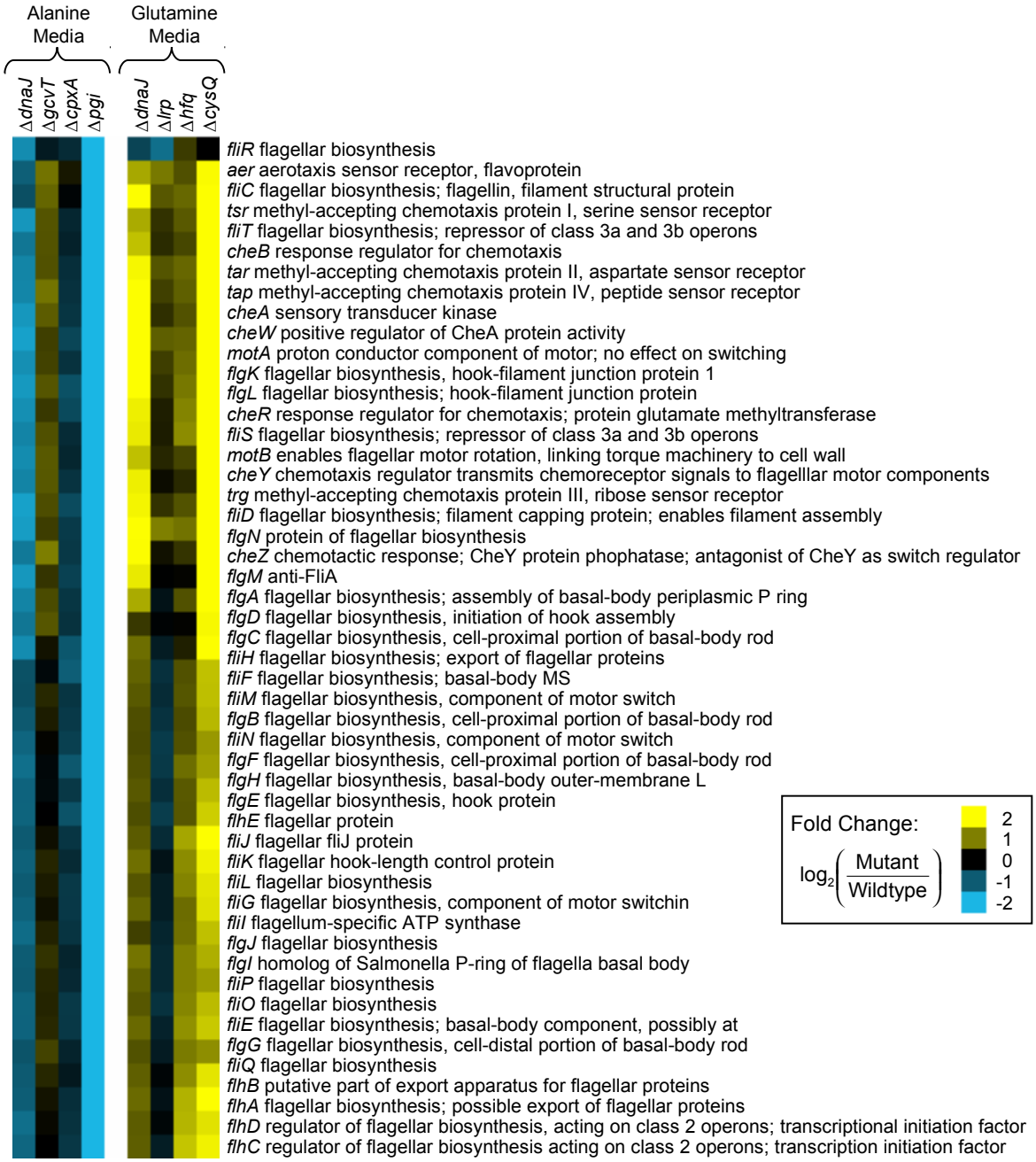
Alanine Media
Glutamine Media
Δ*dnaJ*
Δ*gcvT*
Δ*cpxA*
Δ*pgi*
Δ*dnaJ*
Δ*lrp*
Δ*hfq*
Δ*cysQ*
fliR flagellar biosynthesis
aer aerotaxis sensor receptor, flavoprotein
fliC flagellar biosynthesis; flagellin, filament structural protein
tsr methyl-accepting chemotaxis protein I, serine sensor receptor
fliT flagellar biosynthesis; repressor of class 3a and 3b operons
cheB response regulator for chemotaxis
tar methyl-accepting chemotaxis protein II, aspartate sensor receptor
tap methyl-accepting chemotaxis protein IV, peptide sensor receptor
cheA sensory transducer kinase
cheW positive regulator of CheA protein activity
motA proton conductor component of motor; no effect on switching
flgK flagellar biosynthesis, hook-filament junction protein 1
flgL flagellar biosynthesis; hook-filament junction protein
cheR response regulator for chemotaxis; protein glutamate methyltransferase
fliS flagellar biosynthesis; repressor of class 3a and 3b operons
motB enables flagellar motor rotation, linking torque machinery to cell wall
cheY chemotaxis regulator transmits chemoreceptor signals to flagelllar motor components
trg methyl-accepting chemotaxis protein III, ribose sensor receptor
fliD flagellar biosynthesis; filament capping protein; enables filament assembly
flgN protein of flagellar biosynthesis
cheZ chemotactic response; CheY protein phophatase; antagonist of CheY as switch regulator
flgM anti-FliA
flgA flagellar biosynthesis; assembly of basal-body periplasmic P ring
flgD flagellar biosynthesis, initiation of hook assembly
flgC flagellar biosynthesis, cell-proximal portion of basal-body rod
fliH flagellar biosynthesis; export of flagellar proteins
fliF flagellar biosynthesis; basal-body MS
fliM flagellar biosynthesis, component of motor switch
flgB flagellar biosynthesis, cell-proximal portion of basal-body rod
fliN flagellar biosynthesis, component of motor switch
flgF flagellar biosynthesis, cell-proximal portion of basal-body rod
flgH flagellar biosynthesis, basal-body outer-membrane L
flgE flagellar biosynthesis, hook protein
flhE flagellar protein
fliJ flagellar fliJ protein
fliK flagellar hook-length control protein
fliL flagellar biosynthesis
fliG flagellar biosynthesis, component of motor switchin
fliI flagellum-specific ATP synthase
flgJ flagellar biosynthesis
flgI homolog of Salmonella P-ring of flagella basal body
fliP flagellar biosynthesis
fliO flagellar biosynthesis
fliE flagellar biosynthesis; basal-body component, possibly at
flgG flagellar biosynthesis, cell-distal portion of basal-body rod
fliQ flagellar biosynthesis
flhB putative part of export apparatus for flagellar proteins
flhA flagellar biosynthesis; possible export of flagellar proteins
flhD regulator of flagellar biosynthesis, acting on class 2 operons; transcriptional initiation factor
flhC regulator of flagellar biosynthesis acting on class 2 operons; transcription initiation factor
Fold Change:
$\log_2\left(\frac{\text{Mutant}}{\text{Wildtype}}\right)$
2
1
0
-1
-2