

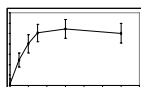
Differentially expressed genes of *S. meliloti* wild type upon acidic pH shift

upregulation

permanent

strong

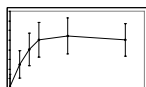
(A)



cah
clpX
cycF
degP1
exoH
exoN
exoV
lon
lpiA
nex18
SMc00062
SMc01580
SMc01765
SMc01855
SMc02156
SMc02366
SMc04350
9 hypothetical genes

moderate

(B)

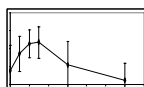


chlI
clpA
clpB
clpP2
clpS1
cspA2
ctpA
dhe
exoK
exoQ
exoR
exoW
exoY
ftsH
groEL5
grpE
grxC
gst7
hflC
hemK1
hflK
trxB
38 hypothetical genes

transient

short

(C)



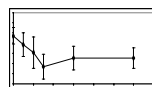
azu1
dctA
fixN1
ndvA
nosZ
serA
SMa1082
SMa1961
SMc00109
SMc01226
SMc01505
SMc01815
SMc02052
SMc02106
SMc02202
SMc02518
SMc03893

downregulation

permanent

constant

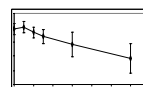
(D)



aatA
betB
btaA
cheW3
cpaC1
cpaF1
flaA
flaB
flaD
flaF
glnK
gltD
ilvC
purU1
rplC
rplD
rpsL
sucC
tufA
tufB
14 hypothetical genes

progressive

(E)

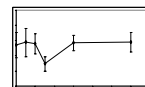


ahcY
flh
flgB
flgE
flgG
flgL
fliE
ftsI
mcpT
mdh
pncA
SMa0392
SMb20777
SMc00638
SMc03046
SMc03138
thuE
ureE
3 hypothetical genes

transient

short

(F)



aglA
dgkA
dxr
narB
nirB
nirD
SMa1750
SMb20436
SMb20605
SMb21707
SMc00827
SMc02145
SMc02403
SMc02634
SMc02980
SMc03784
SMc03819