

Supplemental Data

S-1 Effect of global regulators on metabolic pathway related genes

Global Regulators	Regulation	Regulated Genes
Cra	+	<i>cydB, fbp, icdA, pckA, pgk, ppsA</i>
	-	<i>aceBAK, acnB, adhE, eda, edd, pfkA, pykF, zwf</i>
ArcA/B	+	<i>cydAB, focA, pflB</i>
	-	<i>aceBAK, aceEF, acnAB, cyoABCDE, fumAC, gltA, icdA, lpdA, mdh, nuoABCDEFGHJKLMN, pdhR, sdhCDAB, sodA, sucABCD</i>
Fnr	+	<i>acs, focA, frdABCD, pflB, yfiD</i>
	-	<i>acnAB, cyoABCDE, cydAB, fnr, fumA, icdA, ndh, nuoABCDEFGHJKLMN, sdhCDAB, sucABCD</i>
Mlc	+	
	-	<i>crr, manXYZ, malT, ptsG, ptsHI</i>
Crp/Cya	+	<i>acnAB, aceEF, focA, fumA, gltA, malT, manXYZ, mdh, mlc, pckA, pdhR, pflB, pgk, ptsG, sdhCDAB, sucABCD, ugpABCEQ</i>
	-	<i>cyaA, lpdA, rpoS</i>
SoxR/S	+	<i>acnA, fumC, fur, sodA, zwf</i>
	-	
RpoS	+	<i>acnA, acs, adhE, fumC, gadAB, osmC, poxB, talA, tktB,</i>
	-	<i>ompF</i>
Fur	+	
	-	<i>entABCDE, sodA,</i>

IclR	+	
	-	<i>aceBAK, acs</i>
PdhR	+	
	-	<i>aceEF, lpdA</i>