

Supplementary File

Table S1. Effect of global regulators on the metabolic pathway gene expressions.

Global regulator	Metabolic pathway genes
Cra	+ : <i>aceBAK, cydB, fbp, icdA, pckA, pgk, ppsA</i> - : <i>acnB, adhE, eda, edd, pfkA, pykF, zwf</i>
Crp (cAMP-Crp)	+ : <i>aceEF, acnAB, acs, focA, fumA, gltA, lpdA, malT, manXYZ, mdh, mlc, pckA, pdhR, pflB, pgk, ptsG, sdhCDAB, sucABCD, ugpABCEQ,</i> - : <i>cyaA, lpdA, rpoS</i>
ArcA/B	+ : <i>cydAB, focA, pflB</i> - : <i>aceBAK, aceEF, acnAB, cyoABCDE, fumAC, gltA, icdA, lpdA, mdh, nuoABCDEFGHijklmN, pdhR, sdhCDAB, soda, sucABCD</i>
Mlc	- : <i>crr, manXYZ, malT, ptsG, ptsHI</i>
PdhR	- : <i>aceEF, lpdA</i>
CsrA	+ : <i>eno, pfkA, pgi, pykF, tpiA</i> - : <i>fbp, glgC, glgA, glgB, pgm, ppsA, pckA,</i>
Fur	+ : - : <i>entABCDEF, talB, soda</i>
RpoS	+ : <i>acnA, acs, ada, appAR, appB, argH, aroM, dps, bolA, fbaB, fumC, gabP, gadA, gadB, katE, katG, ldcC, narY, nuv, pfkB, osmE, osmY, poxB, sodC, talA, tktB, ugpE, C, xthA, yhgY,</i> - : <i>ompF</i>
SoxR/S	+ : <i>acnA, cat, fumC, fur, soda, sox, zwf</i> - :
OxyR	+ : <i>ahpC, ahpF, katG</i> - :
PhoR/B	+ : <i>phoBR, phoA-psiF, asr, pstSCAB-phoU</i> - : <i>phoH, phnCHN, ugpA, argP</i>
Fnr	+ : <i>acs, focA, frdABCD, pflB, yfiD</i> - : <i>acnA, cyoABCDE, cydAB, fumA, fnr, icdA, ndh, nuoABCEFGHijklmN, sdhCDAB, sucABC</i>