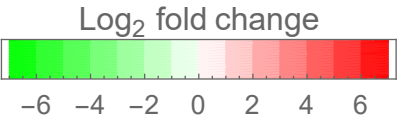


Log<sub>2</sub> fold changes of probes  
[Two-component system; n = 55]



	LL <sub>3</sub> DD <sub>3</sub>	LD <sub>3</sub> LL <sub>3</sub>	DD <sub>3</sub> LD <sub>3</sub>	LL <sub>6</sub> DD <sub>6</sub>	LD <sub>6</sub> LL <sub>6</sub>	DD <sub>6</sub> LD <sub>6</sub>	
K07636 phoR; two-component system, OmpR family, phosphate regulon sensor histidine kinase PhoR [EC:2.7.13.3]							SAR116_1207 Periplasmic Sensor Signal Transduction Histidine Kinase
K07657 phoB; two-component system, OmpR family, phosphate regulon response regulator PhoB							SAR116_1201 two component transcriptional regulator
K02040 pstS; phosphate transport system substrate-binding protein							SAR116_1206 phosphate binding protein
K07638 envZ; two-component system, OmpR family, osmolarity sensor histidine kinase EnvZ [EC:2.7.13.3]							SAR116_2203 Periplasmic Sensor Signal Transduction Histidine Kinase
K07659 ompR; two-component system, OmpR family, phosphate regulon response regulator OmpR							SAR116_2204 Response regulator consisting of a CheY-like receiver domain and a winged-helix DNA-binding domain
K04771 degP; serine protease Do [EC:3.4.21.107]							SAR116_0716 Peptidase S1C
K04771 degP; serine protease Do [EC:3.4.21.107]							SAR116_0184 Peptidase S1 and S6
K02406 fliC; flagellin							SAR116_0841 flagellin FliC
K02405 fliA; RNA polymerase sigma factor FliA							SAR116_0865 RNA polymerase sigma factor FliA
K02556 motA; chemotaxis protein MotA							SAR116_0813 MotA/TolQ/ExbB proton channel
K07649 tctE; two-component system, OmpR family, sensor histidine kinase TctE [EC:2.7.13.3]							SAR116_1735 integral membrane sensor signal transduction histidine kinase
K07649 tctE; two-component system, OmpR family, sensor histidine kinase TctE [EC:2.7.13.3]							SAR116_2082 periplasmic sensor signal transduction histidine kinase
K07774 tctD; two-component system, OmpR family, response regulator TctD							SAR116_1736 response regulator protein
K07774 tctD; two-component system, OmpR family, response regulator TctD							SAR116_2083 DNA-binding response regulator
K07793 tctA; putative tricarboxylic transport membrane protein							SAR116_2086 protein of unknown function DUF112 transmembrane
K07793 tctA; putative tricarboxylic transport membrane protein							SAR116_1210 integral membrane protein
K07793 tctA; putative tricarboxylic transport membrane protein							SAR116_1738 protein of unknown function DUF112
K07794 tctB; putative tricarboxylic transport membrane protein							SAR116_2085 hypothetical protein
K07795 tctC; putative tricarboxylic transport membrane protein							SAR116_1208 hypothetical protein
K07795 tctC; putative tricarboxylic transport membrane protein							SAR116_2084 hypothetical protein
K02259 COX15; heme a synthase [EC:1.17.99.9]							SAR116_1891 Uncharacterized protein required for cytochrome oxidase assembly
K02313 dnaA; chromosomal replication initiator protein							SAR116_1558 ATPase, dnaA
K14980 chvG; two-component system, OmpR family, sensor histidine kinase ChvG [EC:2.7.13.3]							SAR116_1266 Signal transduction histidine kinase
K14981 chvI; two-component system, OmpR family, response regulator ChvI							SAR116_1267 two component transcriptional regulator
K01644 citE; citrate lyase subunit beta / citryl-CoA lyase [EC:4.1.3.34]							SAR116_0875 HpcH/Hpal aldolase
K00990 glnD; [protein-Pil] uridylyltransferase [EC:2.7.7.59]							SAR116_1598 UTP:GlnB (protein Pil) uridylyltransferase
K04751 glnB; nitrogen regulatory protein P-II 1							SAR116_0107 Nitrogen regulatory protein P-II (GlnB)
K07708 glnL; two-component system, NtrC family, nitrogen regulation sensor histidine kinase GlnL [EC:2.7.13.3]							SAR116_0215 signal transduction histidine kinase
K07712 glnG; two-component system, NtrC family, nitrogen regulation response regulator GlnG							SAR116_0216 Response regulator containing CheY-like receiver
K01915 glnA; glutamine synthetase [EC:6.3.1.2]							SAR116_0106 Glutamine synthetase type I
K01915 glnA; glutamine synthetase [EC:6.3.1.2]							SAR116_0113 glutamine synthetase
K01915 glnA; glutamine synthetase [EC:6.3.1.2]							SAR116_2038 Glutamate--ammonia ligase
K01915 glnA; glutamine synthetase [EC:6.3.1.2]							SAR116_2030 glutamine synthetase
K13598 ntrY; two-component system, NtrC family, nitrogen regulation sensor histidine kinase NtrY [EC:2.7.13.3]							SAR116_0217 Signal transduction histidine kinase involved in nitrogen fixation and metabolism regulation
K13599 ntrX; two-component system, NtrC family, nitrogen regulation response regulator NtrX							SAR116_0218 Response regulator containing CheY-like receiver
K00626 ACAT; acetyl-CoA C-acetyltransferase [EC:2.3.1.9]							SAR116_0063 beta-ketothiolase
K03092 rpoN; RNA polymerase sigma-54 factor							SAR116_0810 DNA-directed RNA polymerase subunit N
K02650 pilA; type IV pilus assembly protein PilA							SAR116_2527 Fimbrial protein pilin
K13584 ctrA; two-component system, cell cycle response regulator CtrA							SAR116_0085 two component transcriptional regulator
K11688 dctP; C4-dicarboxylate-binding protein DctP							SAR116_0057 TRAP dicarboxylate transporter
K11690 dctM; C4-dicarboxylate transporter, DctM subunit							SAR116_0482 TRAP dicarboxylate transporter-DctM subunit
K10941 flrA; sigma-54 dependent transcriptional regulator, flagellar regulatory protein							SAR116_0835 sigma54 specific transcriptional regulator
K10943 flrC; two-component system, response regulator FlrC							SAR116_0834 sigma-54 factor
K10914 crp; CRP/FNR family transcriptional regulator, cyclic AMP receptor protein							SAR116_1547 cAMP-binding protein - catabolite gene activator and regulatory subunit of cAMP-dependent protein kinase
K10914 crp; CRP/FNR family transcriptional regulator, cyclic AMP receptor protein							SAR116_2065 cAMP-binding protein - catabolite gene activator and regulatory subunit of cAMP-dependent protein kinase
K10914 crp; CRP/FNR family transcriptional regulator, cyclic AMP receptor protein							SAR116_2090 hypothetical protein
K15011 regB; two-component system, sensor histidine kinase RegB [EC:2.7.13.3]							SAR116_1554 periplasmic sensor signal transduction histidine kinase regB
K15012 regA; two-component system, response regulator RegA							SAR116_1553 response regulator regA
K00411 UQCERS1; ubiquinol-cytochrome c reductase iron-sulfur subunit [EC:7.1.1.8]							SAR116_2187 ubiquinol-cytochrome c reductase
K00412 CYTB; ubiquinol-cytochrome c reductase cytochrome b subunit							SAR116_2188 Cytochrome b
K00413 CYC1; ubiquinol-cytochrome c reductase cytochrome c1 subunit							SAR116_2189 cytochrome c1
K08738 CYC; cytochrome c							SAR116_1486 cytochrome C
K08738 CYC; cytochrome c							SAR116_0742 cytochrome c family protein
K12340 tolC; outer membrane protein							SAR116_0428 outer membrane efflux family protein
K02398 flgM; negative regulator of flagellin synthesis FlgM							SAR116_0857 putative anti-sigma-28 factor