DD<sub>3</sub> LL<sub>3</sub> LD<sub>3</sub> DD<sub>6</sub> LL<sub>6</sub> LD<sub>6</sub> SAR116\_1418 ABC transporter component K02003 ABC.CD.A; putative ABC transport system ATP-binding protein K09013 sufC; Fe-S cluster assembly ATP-binding protein SAR116\_0015 FeS assembly ATPase SufC K03327 TC.MATE; multidrug resistance protein, MATE family SAR116\_2481 MATE efflux family protein K03327 TC.MATE; multidrug resistance protein, MATE family SAR116\_1482 DNA-damage-inducible protein F K08218 ampG; MFS transporter, PAT family, beta-lactamase induction signal transducer AmpG SAR116\_2148 muropeptide permease SAR116\_2000 drug resistance transporter K07552 bcr; MFS transporter, DHA1 family, multidrug resistance protein K08153 blt; MFS transporter, DHA1 family, multidrug resistance protein SAR116\_1122 tetracycline resistance protein K02806 ptsN; nitrogen PTS system EIIA component [EC:2.7.1.-] SAR116\_1248 probable nitrogen regulatory iia protein K10716 kch; voltage-gated potassium channel SAR116\_0808 Kef-type K+ transport systems K03320 amt; ammonium transporter, Amt family SAR116\_0035 ammonium transporter K03320 amt; ammonium transporter, Amt family SAR116\_2465 ammonium transporter K03320 amt; ammonium transporter, Amt family SAR116\_2434 ammonium transporter family protein K00799 GST; glutathione S-transferase [EC:2.5.1.18] SAR116\_2368 Glutathione S-transferase K00799 GST; glutathione S-transferase [EC:2.5.1.18] SAR116\_1238 Glutathione S-transferase K00799 GST; glutathione S-transferase [EC:2.5.1.18] SAR116\_0032 glutathione S-transferase K00799 GST; glutathione S-transferase [EC:2.5.1.18] SAR116\_2377 glutathione S-transferase family protein K00799 GST; glutathione S-transferase [EC:2.5.1.18] SAR116\_0230 Glutathione S-transferase-like protein K00799 GST; glutathione S-transferase [EC:2.5.1.18] SAR116\_2447 Glutathione S-transferase domain protein K03442 mscS; small conductance mechanosensitive channel SAR116\_1146 hypothetical protein K06213 mgtE; magnesium transporter SAR116\_2475 Divalent cation transporter K02556 motA; chemotaxis protein MotA SAR116\_0813 MotA/ToIQ/ExbB proton channel K02557 motB; chemotaxis protein MotB SAR116\_2281 flagellar motor protein SAR116\_0814 flagellar MotB protein K02557 motB; chemotaxis protein MotB K02557 motB; chemotaxis protein MotB SAR116\_0179 OmpA/MotB domain protein K03562 tolQ; biopolymer transport protein TolQ SAR116\_2296 Biopolymer transport protein SAR116\_2297 toIR protein K03560 toIR; biopolymer transport protein ToIR K06199 crcB; fluoride exporter SAR116\_2418 crcB protein SAR116\_1911 CBS domain protein K03699 tlyC; magnesium and cobalt exporter, CNNM family SAR116\_0428 outer membrane efflux family protein K12340 tolC; outer membrane protein K07277 SAM50; outer membrane protein insertion porin family SAR116\_0511 surface antigen D15 SAR116\_2500 Pyrrolo-quinoline quinone K17713 bamB; outer membrane protein assembly factor BamB K05807 bamD; outer membrane protein assembly factor BamD SAR116\_2326 competence lipoprotein ComL SAR116\_1246 hypothetical secreted protein K09774 lptA; lipopolysaccharide export system protein LptA K11719 lptC; lipopolysaccharide export system protein LptC SAR116\_1245 hypothetical protein K04744 lptD; LPS-assembly protein SAR116\_0696 Organic solvent tolerance protein K06189 corC; hemolysin (HlyC) family protein SAR116\_1587 CBS domain protein K06518 cidA; holin-like protein SAR116\_1536 hypothetical protein K07238 TC.ZIP; zinc transporter, ZIP family SAR116\_1007 hypothetical protein K18989 vexF; multidrug efflux pump SAR116\_2009 Cation/multidrug efflux pump K15268 eamA; O-acetylserine/cysteine efflux transporter SAR116\_2017 protein of unknown function DUF6 K15270 sam; S-adenosylmethionine uptake transporter SAR116\_1455 Protein of unknown function DUF6 K05786 rarD; chloramphenicol-sensitive protein RarD SAR116\_2175 RarD protein K03299 TC.GNTP; gluconate:H+ symporter, GntP family SAR116\_2147 Gluconate permease K05020 opuD; glycine betaine transporter SAR116\_0452 BCCT transporter SAR116\_0788 Na+/solute symporter (Ssf family) K14393 actP; cation/acetate symporter K03498 trkH; trk/ktr system potassium uptake protein SAR116\_1886 cation transporter SAR116\_0219 K+ transport systems K03499 trkA; trk/ktr system potassium uptake protein SAR116\_1164 hypothetical protein K06901 pbuG; adenine/guanine/hypoxanthine permease K07240 chrA; chromate transporter SAR116\_1094 Chromate transporter K03321 TC.SULP; sulfate permease, SulP family SAR116\_0878 sulfate permease family protein SAR116\_0057 TRAP dicarboxylate transporter K11688 dctP; C4-dicarboxylate-binding protein DctP K11690 dctM; C4-dicarboxylate transporter, DctM subunit SAR116\_0482 TRAP dicarboxylate transporter–DctM subunit K21393 yiaN; TRAP-type transport system large permease protein SAR116\_0249 TRAP dicarboxylate transporter–DctM subunit SAR116\_0250 TRAP dicarboxylate transporter–DctP subunit K21395 yiaO; TRAP-type transport system periplasmic protein

Log<sub>2</sub> probe abundance

-20 -15 -10 -5