Log₂ fold changes of probes [Steinchen, W., et al. (2020); n = 46]

K00942 gmk; guanylate kinase [EC:2.7.4.8] SAR116_0636 Guanylate kinase SAR116_0091 TIGR00730 family Rossman fold protein K00760 hprT; hypoxanthine phosphoribosyltransferase [EC:2.4.2.8] SAR116_1426 hypoxanthine–guanine phosphoribosyltransferase K00759 APRT; adenine phosphoribosyltransferase [EC:2.4.2.7] SAR116_1668 Adenine phosphoribosyl transferase SAR116_1505 Xanthine–guanine phosphoribosyltransferase K00769 gpt; xanthine phosphoribosyltransferase [EC:2.4.2.22] SAR116_1601 adenosine kinase K01939 purA; adenylosuccinate synthase [EC:6.3.4.4] SAR116_2308 Adenylosuccinate synthase K01756 purB; adenylosuccinate lyase [EC:4.3.2.2] SAR116_0667 adenylosuccinate lyase K01923 purC; phosphoribosylaminoimidazole–succinocarboxamide synthase [EC:6.3.2.6] SAR116_0668 phosphoribosylaminoimidazole-succinocarboxamide synthase K00764 purF; amidophosphoribosyltransferase [EC:2.4.2.14] SAR116_0651 Glutamine phosphoribosylpyrophosphate amidotransferase K00945 cmk; CMP/dCMP kinase [EC:2.7.4.25] SAR116_1251 Cytidylate kinase K00765 hisG; ATP phosphoribosyltransferase [EC:2.4.2.17] SAR116_0443 ATP phosphoribosyltransferase HisG K00761 upp; uracil phosphoribosyltransferase [EC:2.4.2.9] SAR116_1611 uracil phosphoribosyltransferase K00088 IMPDH; IMP dehydrogenase [EC:1.1.1.205] SAR116_2483 inosine-5'-monophosphate dehydrogenase SAR116_2458 diguanylate cyclase (GGDEF domain) with PAS/PAC sensor Log₂ fold change SAR116_1978 diguanylate cyclase/phosphodiesterase, GAF domain-containing protein -6 -4 -2 0 2 4 6 K03977 engA; GTPase SAR116_2501 Small GTP-binding protein domain protein K03595 era; GTPase SAR116_0530 GTP-binding protein Era K03665 hflX; GTPase SAR116_0793 GTPase K03665 hflX; GTPase SAR116_0793 GTPase SAR116_1854 GTP-binding protein K03979 obgE; GTPase [EC:3.6.5.-] K00261 GLUD1_2; glutamate dehydrogenase (NAD(P)+) [EC:1.4.1.3] SAR116_0453 Glu/Leu/Phe/Val dehydrogenase K01929 murF; UDP-N-acetylmuramoyl-tripeptide--D-alanyl-D-alanine ligase [EC:6.3.2.10] SAR116_2338 UDP-N-acetylmuramoylalanyl-D-glutamyl-2 SAR116_1259 FolC bifunctional protein K11754 folC; dihydrofolate synthase / folylpolyglutamate synthase [EC:6.3.2.12 6.3.2.17] K02355 fusA; elongation factor G SAR116_2388 translation elongation factor G K02519 infB; translation initiation factor IF-2 SAR116_1580 Translation initiation factor 2 SAR116_1222 GTP-binding protein LepA K02355 fusA; elongation factor G SAR116_2388 translation elongation factor G K02358 tuf; elongation factor Tu SAR116_2389 Translation elongation factor Tu K02357 tsf; elongation factor Ts SAR116_0518 translation elongation factor Ts K02316 dnaG; DNA primase [EC:2.7.7.101] SAR116_2232 DNA primase K01963 accD; acetyl-CoA carboxylase carboxyl transferase subunit beta [EC:6.4.1.2 2.1.3.15] SAR116_1258 Acetyl-CoA carboxylase carboxyl transferase K01716 fabA; 3-hydroxyacyl-[acyl-carrier protein] dehydratase / trans-2-decenoyl-[acyl-carrier protein] isomerase [EC:4.2.1.59 5.3.3.14] SAR116_1572 3-hydroxydecanoyl-ACP dehydratase K01595 ppc; phosphoenolpyruvate carboxylase [EC:4.1.1.31] SAR116_0912 Putative phosphoenolpyruvate carboxylase K03841 FBP; fructose-1,6-bisphosphatase I [EC:3.1.3.11] SAR116_1413 fructose-1,6-bisphosphatase I SAR116_0304 6-phosphogluconate dehydrogenase, NAD-binding protein K00031 IDH1; isocitrate dehydrogenase [EC:1.1.1.42] SAR116_0090 Isocitrate dehydrogenase K00020 HIBADH; 3-hydroxyisobutyrate dehydrogenase [EC:1.1.1.31] SAR116_1425 6-phosphogluconate dehydrogenase NAD-binding protein K00927 PGK; phosphoglycerate kinase [EC:2.7.2.3] SAR116_0729 Phosphoglycerate kinase SAR116_2436 Phosphoglycerate mutase SAR116_1848 Phosphoglycerate mutase K15633 gpml; 2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12] K03574 mutT; 8-oxo-dGTP diphosphatase [EC:3.6.1.55] SAR116_1921 NUDIX hydrolase SAR116_2183 probable MutT/nudix family protein K03650 mnmE; tRNA modification GTPase [EC:3.6.-.-] SAR116_1645 tRNA modification GTPase TrmE K01524 ppx-gppA; exopolyphosphatase / guanosine-5'-triphosphate,3'-diphosphate pyrophosphatase [EC:3.6.1.11 3.6.1.40] SAR116_1993 Ppx/GppA phosphatase K01139 spoT; GTP diphosphokinase / guanosine-3',5'-bis(diphosphate) 3'-diphosphatase [EC:2.7.6.5 3.1.7.2]

SAR116_0536 (p)ppGpp synthetase I (GTP pyrophosphokinase)