Log₂ probe abundance

-20 -15 -10 -5

Log₂ normalized probes [Transfer RNA biogenesis; n = 65]

	Trans	fer RI	NA bio	ogen	esis; r	า = 65	
	DD ₃	LL3	Diel3	DD ₆	LL ₆	Diel6	1
K01885 EARS; glutamyl-tRNA synthetase [EC:6.1.1.17]	ļ .	'		'	ı i	· +	SAR116_0503 Glutamyl- and glutaminyl-tRNA synthetase
K01885 EARS; glutamyl-tRNA synthetase [EC:6.1.1.17]							SAR116_0679 glutamyl–tRNA synthetase
K01881 PARS; prolyl-tRNA synthetase [EC:6.1.1.15]							SAR116_0523 prolyl-tRNA synthetase
K01870 IARS; isoleucyl-tRNA synthetase [EC:6.1.1.5]							SAR116_1144 Isoleucyl–tRNA synthetase
K01869 LARS; leucyl-tRNA synthetase [EC:6.1.1.4]	+					+	SAR116_1653 Leucyl-tRNA synthetase
K01874 MARS; methionyl-tRNA synthetase [EC:6.1.1.10]	ļ					-	SAR116_0358 Methionyl-tRNA synthetase
K01887 RARS; arginyl-tRNA synthetase [EC:6.1.1.19]							SAR116_0421 Arginyl–tRNA synthetase
							OAKTIO_0421 AIginyPittiVA Synthetase
K01876 DARS2; aspartyl-tRNA synthetase [EC:6.1.1.12]							SAR116_1890 aspartyl-tRNA synthetase
K01872 AARS; alanyl-tRNA synthetase [EC:6.1.1.7]	+					+	SAR116_0089 alanyl-tRNA synthetase
K01868 TARS; threonyl-tRNA synthetase [EC:6.1.1.3]						_	SAR116_1235 Threonyl-tRNA synthetase
K01875 SARS; seryl-tRNA synthetase [EC:6.1.1.11]							SAR116_0412 SerinetRNA ligase
K01883 CARS; cysteinyl–tRNA synthetase [EC:6.1.1.16]							SAR116_0678 CysteinetRNA ligase
K01873 VARS; valyl-tRNA synthetase [EC:6.1.1.9]	+					+	SAR116_0427 Valyl-tRNA synthetase
K01892 HARS; histidyl-tRNA synthetase [EC:6.1.1.21]	-						SAR116_1930 Histidyl–tRNA synthetase
V04900 EARSA: phopylalopyl (DNA synthotoco clipho choin (ECC) 1.4.201							CAR116 1220 Phonylology I DNA syntheteco
K01889 FARSA; phenylalanyl-tRNA synthetase alpha chain [EC:6.1.1.20]							SAR116_1230 Phenylalanyl–tRNA synthetase
K01890 FARSB; phenylalanyl-tRNA synthetase beta chain [EC:6.1.1.20]							SAR116_1229 phenylalanyl-tRNA synthetase beta subunit
K01866 YARS; tyrosyl-tRNA synthetase [EC:6.1.1.1]						+	SAR116_1026 Tyrosyl–tRNA synthetase
K01867 WARS; tryptophanyl-tRNA synthetase [EC:6.1.1.2]							SAR116_1596 Tryptophanyl-tRNA synthetase
K03439 trmB; tRNA (guanine-N7-)-methyltransferase [EC:2.1.1.33]							SAR116_1584 hypothetical protein
K06173 truA; tRNA pseudouridine38-40 synthase [EC:5.4.99.12]						-	SAR116_1496 Pseudouridylate synthase
K03177 truB; tRNA pseudouridine55 synthase [EC:5.4.99.25]	+					_	SAR116_1578 tRNA pseudouridine synthase B
K04497 iceS: quetaina desulfuraca [EC:2.9.4.7]							SAR116_1023 Cysteine sulfinate desulfinase/cysteine desulfurase and related enzyme
K04487 iscS; cysteine desulfurase [EC:2.8.1.7]							
K07566 tsaC; L-threonylcarbamoyladenylate synthase [EC:2.7.7.87]							SAR116_0691 Sua5/YciO/YrdC/YwlC family protein
K00791 miaA; tRNA dimethylallyltransferase [EC:2.5.1.75]	+					+	SAR116_0714 tRNA delta(2)-isopentenylpyrophosphate transferase
K03650 mnmE; tRNA modification GTPase [EC:3.6]							SAR116_1645 tRNA modification GTPase TrmE
K03495 gidA; tRNA uridine 5-carboxymethylaminomethyl modification enzyme	<u> </u>						SAR116_1646 glucose–inhibited division protein A
K01008 selD; selenide, water dikinase [EC:2.7.9.3]	+					+	SAR116_0434 selenide, water dikinase
K01082 cysQ; 3'(2'), 5'-bisphosphate nucleotidase [EC:3.1.3.7]	_						SAR116_1533 3'(2'), 5'-bisphosphate nucleotidase
K03536 rnpA; ribonuclease P protein component [EC:3.1.26.5]							SAR116_1503 ribonuclease P protein component
Noosso IIIpA, Ilbolitudease F protein component [Ec.s.1.20.5]							SAINTIO_1000 IIDUITUUEASE P pioteiii Component
K00989 rph; ribonuclease PH [EC:2.7.7.56]							SAR116_1620 RNase PH
K03684 rnd; ribonuclease D [EC:3.1.13.5]	+					+	SAR116_1244 3'-5' exonuclease family protein
K03684 rnd; ribonuclease D [EC:3.1.13.5]							SAR116_0622 ribonuclease D
K06020 ettA; energy-dependent translational throttle protein EttA							SAR116_2318 ABC transporter component
K04566 lysK; lysyl-tRNA synthetase, class I [EC:6.1.1.6]	+					+	SAR116_1901 lysyl-tRNA synthetase
K01878 glyQ; glycyl-tRNA synthetase alpha chain [EC:6.1.1.14]						_	SAR116_2275 GlycinetRNA ligase
K01970 glySt glycyl tPNA cynthetaga hafa chain [EC:6.1.1.14]							SAR116_2276 Glycyl-tRNA synthetase
K01879 glyS; glycyl-tRNA synthetase beta chain [EC:6.1.1.14]							SAINTIO_2270 Glycyi=tixiva syntiletase
K01894 gluQ; glutamyl-Q tRNA(Asp) synthetase [EC:6.1.1]							SAR116_1153 glutamyl- tRNA synthetase
K19055 prdX; Ala-tRNA(Pro) deacylase [EC:3.1.1]	+					-	SAR116_1799 YbaK/prolyl-tRNA synthetase domain protein
K11991 tadA; tRNA(adenine34) deaminase [EC:3.5.4.33]							SAR116_1138 CMP/dCMP deaminase
K05539 dusA; tRNA-dihydrouridine synthase A [EC:1]							SAR116_1089 tRNA-dihydrouridine synthase A
K05540 dusB; tRNA-dihydrouridine synthase B [EC:1]	+					+	SAR116_0214 NifR3-like protein
K06168 miaB; tRNA-2-methylthio-N6-dimethylallyladenosine synthase [EC:2.8.4.3]							SAR116_1590 2-methylthioadenine synthetase
K19707 mtoP: throopyloghomouladoposina tDNA methylthiotropoforage MtoP [EC:2.9.4.5]							CAD116 1912 MicP. like tDNA modifying on Tume
K18707 mtaB; threonylcarbamoyladenosine tRNA methylthiotransferase MtaB [EC:2.8.4.5]							SAR116_1813 MiaB-like tRNA modifying enzyme
K15256 cmoA; tRNA (cmo5U34)-methyltransferase [EC:2.1.1]							SAR116_1361 methyltransferase domain protein
K02533 lasT; tRNA/rRNA methyltransferase [EC:2.1.1]	-					+	SAR116_0676 RNA methyltransferase TrmH
K04094 trmFO; methylenetetrahydrofolatetRNA-(uracil-5-)-methyltransferase [EC:2.1.1.74]							SAR116_0402 gid protein
K00554 trmD; tRNA (guanine37–N1)-methyltransferase [EC:2.1.1.228]							SAR116_1819 tRNA (guanine–N(1)–)–methyltransferase
K03216 trmL; tRNA (cytidine/uridine-2-O-)-methyltransferase [EC:2.1.1.207]							SAR116_1175 RNA methyltransferase
K15460 yfiC; tRNA1Val (adenine37-N6)-methyltransferase [EC:2.1.1.223]	_					7	SAR116_2272 Predicted O-methyltransferase
K03437 spoU; RNA methyltransferase, TrmH family							SAR116_1397 tRNA/rRNA methyltransferase (SpoU)
K00566 mnmA; tRNA-uridine 2-sulfurtransferase [EC:2.8.1.13]							SAR116_1021 tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase
K04085 tusA; tRNA 2-thiouridine synthesizing protein A [EC:2.8.1]	+					+	SAR116_2349 SirA family protein
K13628 iscA; iron-sulfur cluster assembly protein							SAR116_0019 Iron–sulfur cluster assembly protein
K06980 ygfZ; tRNA-modifying protein YgfZ							SAR116_1329 glycine cleavage T protein
K15461 mnmC; tRNA 5-methylaminomethyl-2-thiouridine biosynthesis bifunctional protein [EC:2.1.1.61 1.5]							SAR116_0654 protein of unknown function DUF752
K07568 queA; S-adenosylmethionine:tRNA ribosyltransferase-isomerase [EC:2.4.99.17]	+						SAR116_0028 Queuosine biosynthesis protein
K18979 queG; epoxyqueuosine reductase [EC:1.17.99.6]							SAR116_0030 iron-sulfur cluster binding protein
K06917 selU; tRNA 2-selenouridine synthase [EC:2.9.1.3]							SAR116_0435 Rhodanese-like protein
K00773 tgt; queuine tRNA-ribosyltransferase [EC:2.4.2.29]						+	SAR116_0029 Queuine/archaeosine tRNA-ribosyltransferase
K04075 tilS; tRNA(IIe)-lysidine synthase [EC:6.3.4.19]							SAR116_2302 Predicted ATPase of the PP-loop superfamily implicated in cell cycle control
K14742 tsaB; tRNA threonylcarbamoyladenosine biosynthesis protein TsaB							SAR116_1592 putative protease
K25706 tsaD; tRNA N6-adenosine threonylcarbamoyltransferase [EC:2.3.1.234]							SAR116_1476 putative metalloendopeptidase
K06925 tsaE; tRNA threonylcarbamoyladenosine biosynthesis protein TsaE							SAR116_1263 hypothetical protein
K12573 rnr, ribonuclease R [EC:3.1.13.1]							SAR116_0618 ribonuclease R
K00962 pnp; polyribonucleotide nucleotidyltransferase [EC:2.7.7.8]							SAR116_1576 Polyribonucleotide nucleotidyltransferase
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