

Supplementary Information

Transcriptome analysis of *Xanthomonas fragariae* in strawberry leaves

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Table S1. Metrics of RNA-seq data.

Sample	Total reads	Number of mapped reads to <i>Xf</i> genome ¹	% of mapped reads to <i>Xf</i> genome	Unmapped reads to <i>Xf</i> genome	% of reads aligned to rRNA operon	Mapping to genes ²	
						Mean read length (bp)	Total read length (bp)
Xf-bact-1	4,770,496	4,553,963	95.46	216,533	0.53	162.19	738,586,546
Xf-bact-2	6,399,558	6,059,845	94.69	339,713	6.37	161.69	989,760,152
<i>Xf-in</i> <i>planta-1</i>	5,625,304	5,091,623	90.51	800,879	0.32	165.28	854,782,067
<i>Xf-in</i> <i>planta-2</i>	6,121,370	5,500,747	89.86	719,953	0.40	152.42	848,151,476
<i>Xf-in</i> <i>planta-3</i>	6,554,258	5,835,096	89.03	719,162	0.31	177.34	1,049,304,221

¹ Genbank accession numbers LT853880 and LT853881

² Used in RNA-seq analysis.

Table S2. Differentially expressed genes of *X. fragariae* IPO 3485 genes between Wilbrink's medium and 15 days after inoculation of strawberry cv. Elsanta leaves

Gene	Locus tag in IPO 3485 genome	Fold change*	FDR p-value correction	Product
	NBC2815_00002	-1.55	1.07E-02	DNA polymerase III subunit beta /EC_number="2.7.7.7
	NBC2815_00003	-2.58	6.25E-08	transposase
	NBC2815_00004	-1.89	2.84E-02	transposase-like protein
	NBC2815_00010	-1.72	4.30E-03	TonB protein
<i>exbB</i>	NBC2815_00011	-2.18	1.90E-05	biopolymer transport protein
	NBC2815_00012	-2.01	2.59E-04	biopolymer transport ExbD1 protein
	NBC2815_00013	-1.97	2.08E-04	biopolymer transport ExbD protein
	NBC2815_00014	2.27	3.26E-05	hypothetical protein
	NBC2815_00016	3.88	8.51E-11	radical SAM domain-containing protein
	NBC2815_00017	2.14	1.15E-06	cardiolipin synthetase
	NBC2815_00018	-1.92	5.06E-04	Hypothetical Protein
	NBC2815_00021	-2.85	2.11E-09	outer membrane protein
	NBC2815_00023	-2.77	3.58E-09	hypothetical protein
	NBC2815_00024	-1.61	6.88E-03	D-3-phosphoglycerate dehydrogenase
<i>ctp</i>	NBC2815_00025	-1.85	4.49E-04	carboxyl-terminal protease
	NBC2815_00029	3.82	2.12E-09	peptidase propeptide and ypeb domain-containing protein
	NBC2815_00031	2.06	5.70E-06	glycolate oxidase /EC_number="1.1.1.28
<i>trn2</i>	NBC2815_00033	-1.55	4.16E-03	tropinone reductase
	NBC2815_00034	-2.44	9.08E-07	Hypothetical Protein
<i>sppA</i>	NBC2815_00035	-1.74	1.31E-03	endopeptidase IV
<i>norM</i>	NBC2815_00036	-1.51	1.01E-02	multidrug efflux protein
<i>priA</i>	NBC2815_00039	2.14	8.33E-07	primosome assembly protein PriA
	NBC2815_00040	4.49	2.78E-09	hypothetical protein
<i>rpoH</i>	NBC2815_00041	2.28	5.57E-06	RNA polymerase factor sigma-32
	NBC2815_00042	-2.50	3.20E-09	uracil-DNA glycosylase /EC_number="3.2.2.-
	NBC2815_00043	-1.57	1.36E-03	response regulator protein
	NBC2815_00048	-1.55	1.25E-02	hypothetical protein
	NBC2815_00051	2.29	2.66E-06	swim zinc finger domain protein
	NBC2815_00052	1.67	3.40E-02	hypothetical protein
	NBC2815_00053	1.73	1.21E-02	Hypothetical Protein
<i>queF</i>	NBC2815_00054	2.07	1.99E-06	7-cyano-7-deazaguanine reductase
	NBC2815_00059	-1.85	4.30E-03	hypothetical protein
	NBC2815_00061	-3.21	9.86E-17	hypothetical protein
	NBC2815_00065	-2.06	7.92E-06	periplasmic glucan biosynthesis protein
	NBC2815_00068	1.69	2.86E-03	hypothetical protein
	NBC2815_00069	-1.83	1.11E-04	Hypothetical Protein
	NBC2815_00070	-2.03	1.01E-05	acid phosphatase
	NBC2815_00075	-1.69	1.69E-03	Hypothetical Protein
<i>plsB</i>	NBC2815_00076	-1.58	6.52E-03	glycerol-3-phosphate acyltransferase
	NBC2815_00077	3.15	2.91E-13	nuclear receptor-binding factor-like protein
	NBC2815_00078	-2.09	6.38E-07	Hypothetical Protein
	NBC2815_00080	-1.69	1.03E-03	prophage Lp2 protein 6
	NBC2815_00082	-1.72	1.96E-03	IS1478 transposase
	NBC2815_00084	10.10	1.34E-03	glucan 1,4-beta-glucosidase
<i>aguA_1</i>	NBC2815_00085	3.80	2.78E-03	alpha-glucuronidase
<i>aguA_2</i>	NBC2815_00086	2.65	1.65E-02	alpha-glucuronidase
	NBC2815_00087	1.92	2.84E-05	sal operon transcriptional repressor
<i>rdgC</i>	NBC2815_00089	-1.87	3.99E-05	recombination associated protein
<i>hemH</i>	NBC2815_00092	-1.81	3.22E-05	ferrochelataase
	NBC2815_00097	2.16	1.14E-04	membrane protein
<i>guaA_1</i>	NBC2815_00098	4.70	9.52E-21	glutamine amidotransferase
	NBC2815_00099	1.98	3.06E-05	type II secretory pathway ATPase
<i>glyQ</i>	NBC2815_00100	-2.38	5.95E-10	glycyl-tRNA synthetase subunit alpha
<i>glyS</i>	NBC2815_00101	-2.47	7.53E-10	glycyl-tRNA synthetase subunit beta
	NBC2815_00102	-1.61	8.67E-04	Hypothetical Protein
<i>gltB</i>	NBC2815_00103	2.35	1.20E-06	glutamate synthase subunit alpha
	NBC2815_00104	2.65	1.60E-08	glutamate synthase
	NBC2815_00105	1.60	1.81E-02	alcohol dehydrogenase
	NBC2815_00106	1.52	8.85E-03	cellulase
	NBC2815_00107	5.19	1.05E-20	cellulase
	NBC2815_00109	1.81	1.45E-03	tis1421-transposase b
	NBC2815_00110	1.94	1.49E-02	IS1481 transposase
<i>xopP_1</i>	NBC2815_00112	1.64	7.77E-04	type III effector protein XopP
	NBC2815_00117	1.83	9.61E-05	hypothetical protein
	NBC2815_00119	1.82	2.53E-03	alpha-amylase
<i>glgB1</i>	NBC2815_00121	1.64	1.06E-02	glycogen branching protein
	NBC2815_00122	2.32	6.17E-07	oxidoreductase
	NBC2815_00123	3.12	7.34E-09	carboxylesterase type B
	NBC2815_00124	1.83	2.20E-02	putative secreted esterase/lipase precursor
	NBC2815_00126	5.51	1.51E-16	C4-dicarboxylate transport system
	NBC2815_00127	3.08	4.41E-07	C4-dicarboxylate transport protein
<i>xyfB1</i>	NBC2815_00128	3.86	1.98E-07	xylosidase precursor
	NBC2815_00129	-1.53	1.49E-02	LacI family transcriptional regulator
	NBC2815_00132	2.94	5.05E-06	5-keto-4-deoxyuronate isomerase /EC_number="5.3.1.17
<i>phhA</i>	NBC2815_00135	-3.73	1.35E-12	phenylalanine 4-monooxygenase
	NBC2815_00137	-2.21	2.92E-06	ABC transporter ATP-binding protein
	NBC2815_00138	2.86	3.27E-04	EF hand domain-containing protein
	NBC2815_00139	4.24	4.40E-13	ABC transporter ATP-binding protein
	NBC2815_00140	3.56	5.75E-12	ABC transporter amino acid permease
	NBC2815_00141	2.07	9.08E-05	class V aminotransferase
	NBC2815_00145	1.54	1.54E-02	indolepyruvate ferredoxin oxidoreductase
	NBC2815_00147	1.60	5.10E-03	permease
<i>parA</i>	NBC2815_00148	2.60	2.18E-08	partition protein
	NBC2815_00149	2.60	2.68E-09	putative phosphoglycerate mutase family protein
	NBC2815_00152	-1.66	3.13E-03	esterase Ydil
	NBC2815_00157	4.13	7.63E-19	tis1421-transposase b
	NBC2815_00159	1.64	1.76E-02	superoxide dismutase-like protein
	NBC2815_00161	1.56	4.80E-03	two-component system sensor protein
<i>uppP</i>	NBC2815_00165	3.51	6.93E-12	UDP pyrophosphate phosphatase
	NBC2815_00166	5.60	6.76E-15	Hypothetical Protein

NBC2815_00172	NBC2815_00172	1.96	1.02E-05	Hypothetical Protein
<i>hemB</i>	NBC2815_00174	-1.58	1.96E-03	delta-aminolevulinic acid dehydratase
<i>aroE</i>	NBC2815_00177	-2.32	1.53E-09	shikimate 5-dehydrogenase
NBC2815_00180	NBC2815_00180	30.92	4.57E-29	catalase
NBC2815_00181	NBC2815_00181	42.12	1.39E-56	ankyrin-like protein
NBC2815_00182	NBC2815_00182	1.94	2.56E-03	IS1478 transposase
NBC2815_00185	NBC2815_00185	3.06	5.23E-03	ABC transporter ATP-binding protein
NBC2815_00186	NBC2815_00186	4.32	1.86E-05	ABC transporter permease
NBC2815_00187	NBC2815_00187	1.95	5.93E-04	hydrolase
<i>trpS</i>	NBC2815_00192	-1.50	6.82E-03	tryptophanyl-tRNA synthetase
<i>argI</i>	NBC2815_00196	-1.96	7.00E-04	arginase
NBC2815_00202	NBC2815_00202	1.65	1.48E-03	cytochrome B561
NBC2815_00203	NBC2815_00203	1.87	3.75E-04	catalase
NBC2815_00207	NBC2815_00207	2.65	3.22E-07	hypothetical protein
NBC2815_00208	NBC2815_00208	3.09	2.82E-10	Hypothetical Protein
NBC2815_00209	NBC2815_00209	2.32	1.58E-06	Hypothetical Protein
NBC2815_00210	NBC2815_00210	1.59	1.01E-02	Hypothetical Protein
NBC2815_00211	NBC2815_00211	1.97	4.79E-04	protease Do
<i>bph1</i>	NBC2815_00212	-1.50	2.98E-02	histone H1-like protein
NBC2815_00213	NBC2815_00213	4.51	5.78E-09	secreted protein
NBC2815_00214	NBC2815_00214	26.67	2.67E-17	Hypothetical Protein
<i>ygiY</i>	NBC2815_00215	2.24	6.20E-06	two-component system sensor protein
NBC2815_00216	NBC2815_00216	2.16	2.02E-05	two-component system regulatory protein
NBC2815_00219	NBC2815_00219	2.80	1.16E-11	cell division inhibitor
NBC2815_00220	NBC2815_00220	3.07	2.53E-12	Hypothetical Protein
NBC2815_00221	NBC2815_00221	4.18	6.94E-19	Hypothetical Protein
NBC2815_00222	NBC2815_00222	3.19	6.46E-12	Hypothetical Protein
NBC2815_00223	NBC2815_00223	3.19	1.10E-09	membrane protein
NBC2815_00224	NBC2815_00224	3.25	3.14E-03	hydrolase or peptidase
NBC2815_00225	NBC2815_00225	1.93	5.23E-04	Hypothetical Protein
NBC2815_00226	NBC2815_00226	1.93	1.48E-05	IS1480 transposase
NBC2815_00227	NBC2815_00227	2.04	2.57E-05	Hypothetical Protein
NBC2815_00228	NBC2815_00228	1.55	1.09E-02	Hypothetical Protein
NBC2815_00231	NBC2815_00231	-1.86	6.36E-04	Fatty acid desaturase
NBC2815_00232	NBC2815_00232	1.87	3.86E-05	signal transduction protein
NBC2815_00233	NBC2815_00233	3.93	5.33E-14	Hypothetical Protein
NBC2815_00234	NBC2815_00234	2.77	5.47E-10	outer membrane lipoprotein Blc
NBC2815_00236	NBC2815_00236	-2.74	8.39E-10	Hypothetical Protein
NBC2815_00237	NBC2815_00237	-2.29	6.28E-04	nitrogen regulatory protein P-II
NBC2815_00240	NBC2815_00240	-1.90	2.33E-03	Hypothetical Protein
NBC2815_00243	NBC2815_00243	-1.81	1.03E-05	arginine decarboxylase /EC_number="4.1.1.19
NBC2815_00244	NBC2815_00244	-3.51	8.90E-08	ISXo1 transposase, IS5 family
NBC2815_00248	NBC2815_00248	-1.74	6.10E-05	DNA polymerase I
NBC2815_00249	NBC2815_00249	-1.50	1.20E-02	coproporphyrinogen III oxidase /EC_number="1.3.3.3
NBC2815_00252	NBC2815_00252	2.20	5.46E-05	Hypothetical Protein
NBC2815_00253	NBC2815_00253	-2.15	2.93E-06	aminopeptidase /EC_number="3.4.-.-
NBC2815_00254	NBC2815_00254	-1.53	9.29E-03	AMP-ligase
NBC2815_00255	NBC2815_00255	-1.65	1.07E-03	pteridine-dependent deoxygenase like protein
<i>fixC</i>	NBC2815_00256	-1.66	1.99E-04	Dehydrogenase (flavoproteins)
NBC2815_00264	NBC2815_00264	-1.79	1.06E-02	xanthomonadin biosynthesis phosphotransferase/dehydratase
NBC2815_00265	NBC2815_00265	8.93	9.09E-03	IS1480 transposase
NBC2815_00268	NBC2815_00268	1.95	2.47E-05	dolichyl-phosphate mannose synthase-like protein
NBC2815_00269	NBC2815_00269	1.75	2.67E-04	Hypothetical Protein
<i>fabF_1</i>	NBC2815_00270	1.99	3.42E-05	3-oxoacyl-ACP synthase
NBC2815_00271	NBC2815_00271	1.56	5.65E-03	Hypothetical Protein
NBC2815_00273	NBC2815_00273	2.42	2.65E-03	phosphatase
NBC2815_00274	NBC2815_00274	4.81	2.89E-17	glycosyl hydrolase family protein
NBC2815_00275	NBC2815_00275	3.61	3.41E-12	glucose-6-phosphate 1-dehydrogenase
<i>kefC_1</i>	NBC2815_00276	8.36	4.82E-30	glutathione-regulated potassium-efflux system protein
<i>kefC_2</i>	NBC2815_00277	3.14	3.21E-02	glutathione-regulated potassium-efflux system protein
NBC2815_00279	NBC2815_00279	1.54	1.81E-02	Mg ⁺⁺ transporter
NBC2815_00280	NBC2815_00280	1.97	2.05E-05	acyl-CoA synthetase
NBC2815_00281	NBC2815_00281	-1.81	8.70E-05	integral membrane protein
<i>nrpF</i>	NBC2815_00283	-1.51	1.70E-02	ribonucleotide-diphosphate reductase subunit beta
NBC2815_00284	NBC2815_00284	-1.70	7.89E-04	flavodoxin
NBC2815_00290	NBC2815_00290	1.57	4.02E-03	avirulence protein
NBC2815_00297	NBC2815_00297	2.25	3.65E-02	acriflavin resistance protein
<i>cnrB</i>	NBC2815_00298	6.05	6.65E-06	Nickel and cobalt resistance protein CnrB
NBC2815_00299	NBC2815_00299	1.98	4.83E-03	phospholipid N-methyltransferase
NBC2815_00302	NBC2815_00302	-2.84	8.21E-09	hypothetical protein
NBC2815_00303	NBC2815_00303	-3.26	8.15E-09	hypothetical protein
NBC2815_00304	NBC2815_00304	-1.53	2.02E-02	hypothetical protein
NBC2815_00305	NBC2815_00305	-1.85	2.04E-04	Hypothetical Protein
NBC2815_00308	NBC2815_00308	-6.65	1.72E-23	putative reductase
NBC2815_00312	NBC2815_00312	-1.61	1.93E-03	ISXo1 transposase
NBC2815_00317	NBC2815_00317	3.24	1.16E-15	Hypothetical Protein
<i>cbbFC</i>	NBC2815_00319	-3.26	0.00E+00	fructose-1,6-bisphosphatase
NBC2815_00321	NBC2815_00321	1.58	3.09E-03	Hypothetical Protein
NBC2815_00322	NBC2815_00322	2.34	2.82E-06	LasA protein
NBC2815_00323	NBC2815_00323	2.70	1.39E-09	hypothetical protein
NBC2815_00324	NBC2815_00324	2.01	6.99E-03	AtsE protein
<i>aes</i>	NBC2815_00325	2.44	2.99E-03	acetyl esterase
NBC2815_00330	NBC2815_00330	9.72	1.61E-03	pyrroline-5-carboxylate reductase
NBC2815_00333	NBC2815_00333	4.26	1.66E-02	tis1421-transposase b
NBC2815_00334	NBC2815_00334	1.68	6.70E-04	Hypothetical Protein
NBC2815_00336	NBC2815_00336	3.71	8.70E-13	acetyl-CoA acetyltransferase /EC_number="2.3.1.9
NBC2815_00337	NBC2815_00337	6.39	1.34E-21	porphyrin biosynthesis protein
NBC2815_00338	NBC2815_00338	7.32	6.53E-27	heme biosynthesis enzyme
NBC2815_00342	NBC2815_00342	-1.64	7.80E-04	membrane-anchored phosphatase / sulfurtransferase
NBC2815_00346	NBC2815_00346	3.24	6.32E-10	pyruvate dehydrogenase
NBC2815_00348	NBC2815_00348	2.50	4.81E-06	two-component system sensor protein
NBC2815_00353	NBC2815_00353	-1.71	4.71E-03	Fic protein family protein
<i>csy_1</i>	NBC2815_00356	-1.83	1.11E-02	crispr-associated protein, Csy4 family
<i>csy_2</i>	NBC2815_00357	-1.85	1.50E-04	crispr-associated protein, Csy3 family

<i>csy_4</i>	NBC2815_00359	-1.59	1.24E-02	crispr-associated protein, Csy1 family
NBC2815_00360	NBC2815_00360	-1.87	4.15E-04	crispr-associated helicase Cas3
<i>cas</i>	NBC2815_00361	-3.28	8.24E-05	crispr-associated protein Cas1
NBC2815_00362	NBC2815_00362	-2.78	1.01E-04	hypothetical protein
NBC2815_00363	NBC2815_00363	-3.34	6.77E-14	biotin carboxylase
NBC2815_00364	NBC2815_00364	-3.39	2.83E-14	acyl-CoA carboxyltransferase subunit beta
NBC2815_00365	NBC2815_00365	-2.48	1.56E-06	isovaleryl-CoA dehydrogenase
NBC2815_00366	NBC2815_00366	-1.58	7.98E-03	AcrR family transcriptional regulator
NBC2815_00369	NBC2815_00369	-2.19	3.00E-06	cytochrome C5
NBC2815_00371	NBC2815_00371	2.46	3.08E-05	Hypothetical Protein
NBC2815_00372	NBC2815_00372	4.13	3.76E-12	nitrile hydratase activator
NBC2815_00373	NBC2815_00373	4.91	3.32E-13	nitrile hydratase activator
<i>xopR</i>	NBC2815_00374	2.40	3.74E-05	type III effector protein XopR
NBC2815_00375	NBC2815_00375	-2.20	2.10E-08	transmembrane protein
<i>ohr</i>	NBC2815_00377	-3.34	1.47E-12	organic hydroperoxide resistance protein
NBC2815_00378	NBC2815_00378	4.73	2.90E-24	Hypothetical Protein
NBC2815_00380	NBC2815_00380	1.54	8.46E-03	quinone oxidoreductase
NBC2815_00382	NBC2815_00382	-3.11	7.00E-12	methyltransferase
NBC2815_00383	NBC2815_00383	-2.71	1.08E-04	pseudouridylate synthase
NBC2815_00386	NBC2815_00386	2.52	4.72E-07	Hypothetical Protein
<i>hrpB</i>	NBC2815_00387	3.66	6.67E-14	ATP-dependent helicase HrpB
NBC2815_00391	NBC2815_00391	-1.77	5.43E-04	type V secretory pathway protein
NBC2815_00394	NBC2815_00394	2.95	1.60E-08	NADH flavin oxidoreductase
<i>purU</i>	NBC2815_00395	-1.67	4.46E-04	formyltetrahydrofolate deformylase
NBC2815_00397	NBC2815_00397	4.02	1.33E-04	multidrug efflux transporter
NBC2815_00401	NBC2815_00401	1.67	3.99E-02	ISXac3 transposase, IS3 family
NBC2815_00405	NBC2815_00405	3.40	9.55E-03	putative signal protein with HD-GYP domain protein
NBC2815_00406	NBC2815_00406	1.63	1.48E-02	putative signal protein with HD-GYP domain protein
NBC2815_00411	NBC2815_00411	3.57	2.30E-05	oxidoreductase
<i>metE</i>	NBC2815_00413	2.11	8.52E-05	5-methyltetrahydropteroyltriglutamate-- homocysteine methyltransferase
NBC2815_00420	NBC2815_00420	2.46	2.02E-04	ISXac3 transposase, IS3 family
<i>glpK</i>	NBC2815_00423	-2.41	4.88E-08	glycerol kinase
NBC2815_00425	NBC2815_00425	1.66	1.13E-02	glycerol-3-phosphate dehydrogenase
NBC2815_00428	NBC2815_00428	1.61	2.05E-03	serine/threonine protein kinase
NBC2815_00431	NBC2815_00431	2.36	1.04E-06	lipoprotein
NBC2815_00435	NBC2815_00435	1.66	2.34E-03	aspartyl-asparaginyl beta-hydroxylase
NBC2815_00438	NBC2815_00438	2.71	2.10E-06	oxidoreductase
<i>bioF</i>	NBC2815_00441	-2.03	3.24E-07	8-amino-7-oxononanoate synthase
<i>bioB</i>	NBC2815_00442	-3.17	1.09E-13	Biotin synthase
NBC2815_00448	NBC2815_00448	2.89	5.51E-10	putative protein kinase
NBC2815_00449	NBC2815_00449	2.62	8.00E-09	inner membrane protein YedI
NBC2815_00450	NBC2815_00450	2.35	4.14E-08	YngK protein
NBC2815_00451	NBC2815_00451	3.48	5.57E-08	signal transduction protein
<i>glgA</i>	NBC2815_00452	1.92	2.26E-04	glycogen synthase
NBC2815_00454	NBC2815_00454	-1.78	9.56E-05	malto-oligosyltrehalose trehalohydrolase
<i>glgY</i>	NBC2815_00456	-1.51	1.17E-02	putative maltooligosyl trehalose synthase
NBC2815_00461	NBC2815_00461	-1.61	1.64E-03	ISXac3 transposase, IS3 family
<i>RhsA</i>	NBC2815_00464	-3.32	3.12E-07	truncated rhs family protein
NBC2815_00465	NBC2815_00465	-1.96	7.77E-03	IS1478 transposase
<i>dsbD</i>	NBC2815_00469	3.42	6.81E-12	C-type cytochrome biogenesis protein (copper tolerance)
<i>cutA</i>	NBC2815_00470	2.90	1.44E-12	divalent cation tolerance protein
NBC2815_00471	NBC2815_00471	2.69	8.34E-03	hypothetical protein
NBC2815_00472	NBC2815_00472	2.86	6.46E-11	ribonuclease
NBC2815_00477	NBC2815_00477	4.08	8.81E-12	TonB-dependent outer membrane receptor
<i>aroG</i>	NBC2815_00478	2.80	7.52E-12	phospho-2-dehydro-3-deoxyheptonate aldolase
NBC2815_00480	NBC2815_00480	2.89	2.03E-13	Hypothetical Protein
NBC2815_00484	NBC2815_00484	-2.66	1.60E-08	transmembrane protein
NBC2815_00485	NBC2815_00485	2.18	1.97E-04	nucleoside-diphosphate-sugar epimerase
NBC2815_00493	NBC2815_00493	-1.85	1.19E-04	hypothetical protein
NBC2815_00494	NBC2815_00494	-1.70	4.58E-04	hypothetical protein
NBC2815_00499	NBC2815_00499	-1.89	7.30E-06	malonate decarboxylase subunit alpha
NBC2815_00500	NBC2815_00500	-2.14	5.20E-03	malonate decarboxylase subunit delta
NBC2815_00501	NBC2815_00501	-4.53	1.25E-04	hypothetical protein
NBC2815_00502	NBC2815_00502	-2.09	1.76E-05	malonate decarboxylase subunit beta
NBC2815_00503	NBC2815_00503	-1.71	3.26E-03	malonate decarboxylase subunit gamma
NBC2815_00506	NBC2815_00506	-2.14	7.78E-03	hypothetical protein
NBC2815_00507	NBC2815_00507	2.20	2.68E-05	ACP S-malonyltransferase
NBC2815_00508	NBC2815_00508	2.57	6.26E-07	dicarboxylate carrier protein
NBC2815_00510	NBC2815_00510	1.57	3.01E-03	anti-sigma F factor antagonist
NBC2815_00513	NBC2815_00513	-1.78	2.21E-03	putative secreted protein
NBC2815_00514	NBC2815_00514	-1.63	4.32E-03	lipase
NBC2815_00515	NBC2815_00515	2.48	8.13E-04	lipase
<i>aceE</i>	NBC2815_00516	-2.02	2.81E-05	pyruvate dehydrogenase
NBC2815_00517	NBC2815_00517	-2.73	2.32E-02	hypothetical protein
NBC2815_00518	NBC2815_00518	-3.13	0.00E+00	hypothetical protein
NBC2815_00519	NBC2815_00519	-2.96	8.66E-12	hypothetical protein
NBC2815_00523	NBC2815_00523	-5.59	2.49E-31	putative peptidoglycan binding domain-containing protein
NBC2815_00524	NBC2815_00524	-5.55	2.56E-29	hypothetical protein
NBC2815_00525	NBC2815_00525	2.81	8.89E-04	Transposase IS200 like protein
<i>clcB_1</i>	NBC2815_00526	3.36	3.72E-13	chloride channel
<i>clcB_2</i>	NBC2815_00527	4.91	5.28E-11	chloride channel
NBC2815_00529	NBC2815_00529	3.37	1.96E-05	sulfate permease
NBC2815_00531	NBC2815_00531	2.31	3.85E-07	Hypothetical Protein
NBC2815_00532	NBC2815_00532	2.34	2.98E-02	carboxypeptidase
NBC2815_00541	NBC2815_00541	3.74	1.82E-18	hypothetical protein
NBC2815_00542	NBC2815_00542	2.33	1.17E-04	Hypothetical Protein
NBC2815_00543	NBC2815_00543	2.34	2.98E-08	Hypothetical Protein
NBC2815_00544	NBC2815_00544	-2.16	1.75E-05	hypothetical protein
<i>msbA</i>	NBC2815_00550	2.46	1.04E-08	ATP-binding transporter 1
NBC2815_00551	NBC2815_00551	1.80	3.07E-04	Hypothetical Protein
NBC2815_00552	NBC2815_00552	1.63	1.35E-02	UDP-galactopyranose mutase
NBC2815_00553	NBC2815_00553	4.05	8.64E-14	glycosyltransferase
<i>galE</i>	NBC2815_00554	5.00	7.50E-20	UDP-glucose 4-epimerase
NBC2815_00555	NBC2815_00555	3.48	1.75E-10	oxidoreductase

NBC2815_00558	NBC2815_00558	1.52	2.03E-02	sigma-54 dependent response regulator
NBC2815_00562	NBC2815_00562	-1.69	2.77E-03	Hypothetical Protein
NBC2815_00565	NBC2815_00565	1.60	3.55E-02	protein YciE
<i>ybeC</i>	NBC2815_00566	-2.83	1.45E-12	amino acid transporter
NBC2815_00567	NBC2815_00567	-1.50	2.10E-02	Hypothetical Protein
NBC2815_00568	NBC2815_00568	1.68	2.34E-03	Hypothetical Protein
NBC2815_00572	NBC2815_00572	2.00	2.99E-06	DNA-binding protein with the Helix-hairpin-helix motif protein
NBC2815_00574	NBC2815_00574	-2.29	1.01E-06	beta-Ig-H3/fasciclin repeat containing protein
NBC2815_00575	NBC2815_00575	1.83	6.14E-05	tis1421-transposase b
NBC2815_00576	NBC2815_00576	3.37	6.33E-04	transposase
NBC2815_00577	NBC2815_00577	1.90	9.09E-03	hypothetical protein
NBC2815_00578	NBC2815_00578	1.72	1.62E-04	Na ⁺ :H ⁺ antiporter
NBC2815_00579	NBC2815_00579	2.94	8.64E-07	Hypothetical Protein
NBC2815_00582	NBC2815_00582	1.83	2.85E-04	hypothetical protein
NBC2815_00587	NBC2815_00587	2.11	2.77E-05	hypothetical protein
NBC2815_00588	NBC2815_00588	1.74	2.18E-03	methanol dehydrogenase regulatory protein
NBC2815_00589	NBC2815_00589	1.86	6.93E-04	Hypothetical Protein
NBC2815_00590	NBC2815_00590	2.44	1.09E-08	Hypothetical Protein
NBC2815_00591	NBC2815_00591	2.34	2.77E-07	von Willebrand factor A
NBC2815_00593	NBC2815_00593	1.66	4.36E-03	Hypothetical Protein
<i>gltP</i>	NBC2815_00594	-2.15	2.11E-07	proton glutamate symport protein
NBC2815_00595	NBC2815_00595	-1.89	1.29E-04	transketolase /EC_number="2.2.1.1
<i>fhuE</i>	NBC2815_00596	3.40	7.88E-17	ferric iron uptake outer membrane protein
NBC2815_00597	NBC2815_00597	1.86	1.06E-03	metalloendopeptidase
NBC2815_00598	NBC2815_00598	1.94	2.37E-04	putative secreted protein
NBC2815_00601	NBC2815_00601	1.79	5.42E-04	putative TonB-like protein
NBC2815_00606	NBC2815_00606	-1.55	1.27E-02	beta-lactamase
NBC2815_00607	NBC2815_00607	-1.98	1.18E-05	endonuclease
NBC2815_00608	NBC2815_00608	-2.34	4.04E-05	outer membrane protein
<i>gapA</i>	NBC2815_00609	-4.84	0.00E+00	glyceraldehyde-3-phosphate dehydrogenase
NBC2815_00610	NBC2815_00610	-3.11	1.16E-13	Hypothetical Protein
NBC2815_00616	NBC2815_00616	-2.19	1.00E-06	Histidine kinase/response regulator hybrid protein
NBC2815_00617	NBC2815_00617	-2.33	2.08E-07	hypothetical protein
NBC2815_00619	NBC2815_00619	2.34	1.14E-03	lipoprotein
<i>pgk</i>	NBC2815_00622	-2.06	6.72E-07	phosphoglycerate kinase
NBC2815_00623	NBC2815_00623	-1.69	7.11E-04	indigoidine synthesis-like protein
NBC2815_00625	NBC2815_00625	-1.61	8.81E-03	fructose-bisphosphate aldolase
NBC2815_00626	NBC2815_00626	4.65	1.02E-14	RNase III inhibitor
NBC2815_00627	NBC2815_00627	4.44	1.39E-21	cysteine synthase
<i>cysG</i>	NBC2815_00628	11.50	1.17E-54	siroheme synthase
NBC2815_00629	NBC2815_00629	1.53	2.77E-02	transcriptional regulator CysB-like protein
NBC2815_00634	NBC2815_00634	2.13	7.77E-04	iron-regulated membrane protein
NBC2815_00635	NBC2815_00635	16.09	2.00E-48	phosphoadenosine phosphosulfate reductase /EC_number="1.8.4.8
<i>cysI</i>	NBC2815_00636	50.84	3.40E-71	sulfite reductase (NADPH) hemoprotein subunit beta
NBC2815_00637	NBC2815_00637	105.92	6.89E-65	NADPH-sulfite reductase flavoprotein subunit
<i>cysD</i>	NBC2815_00638	23.27	7.06E-63	sulfate adenyltransferase subunit 2
<i>nodQ</i>	NBC2815_00639	9.61	2.42E-33	bifunctional sulfate adenyltransferase subunit 1/adenylsulfate kinase
NBC2815_00640	NBC2815_00640	-2.96	2.54E-13	RND efflux membrane fusion protein
NBC2815_00641	NBC2815_00641	-2.28	5.26E-08	acriflavin resistance protein
NBC2815_00650	NBC2815_00650	-1.67	6.62E-04	3-deoxy-7-phosphoheptulonate synthase /EC_number="2.5.1.54
NBC2815_00652	NBC2815_00652	1.63	1.33E-02	Hypothetical Protein
NBC2815_00654	NBC2815_00654	-1.67	1.49E-03	peptidyl-prolyl cis-trans isomerase
<i>xopAD_1</i>	NBC2815_00657	1.58	9.44E-03	Xanthomonas outer protein AD, type III effector AD
NBC2815_00658	NBC2815_00658	8.54	3.19E-10	glutathione S-transferase
NBC2815_00659	NBC2815_00659	9.98	1.85E-21	cell wall hydrolase superfamily protein
NBC2815_00660	NBC2815_00660	-1.57	4.35E-03	ISXo1 transposase, IS5 family
NBC2815_00662	NBC2815_00662	2.24	6.42E-07	2,4-dienoyl-CoA reductase
NBC2815_00663	NBC2815_00663	4.37	1.88E-18	oxidoreductase
NBC2815_00665	NBC2815_00665	-3.05	3.42E-15	Hypothetical Protein
NBC2815_00666	NBC2815_00666	-1.92	6.83E-05	pseudouridylate synthase
NBC2815_00669	NBC2815_00669	1.69	2.51E-03	ABC transporter sulfate binding protein
NBC2815_00670	NBC2815_00670	2.41	1.58E-07	sulfate ABC transporter permease
NBC2815_00671	NBC2815_00671	1.86	2.25E-04	sulfate ABC transporter permease
<i>cysA</i>	NBC2815_00672	1.50	1.56E-02	sulfate ABC transporter ATP-binding protein
<i>tdh</i>	NBC2815_00674	-2.06	1.41E-06	L-threonine 3-dehydrogenase
<i>pgmA</i>	NBC2815_00677	-2.08	3.98E-07	phosphoglycerate mutase
<i>xrvA</i>	NBC2815_00678	-2.44	1.13E-07	virulence regulator
<i>glgX2</i>	NBC2815_00679	1.90	3.68E-04	isoamylase
NBC2815_00681	NBC2815_00681	-1.64	5.09E-03	Hypothetical Protein
NBC2815_00686	NBC2815_00686	2.40	3.11E-03	Hypothetical Protein
NBC2815_00692	NBC2815_00692	2.63	3.95E-06	Hypothetical Protein
NBC2815_00695	NBC2815_00695	-1.81	2.07E-05	glycosyltransferase
<i>ompR</i>	NBC2815_00696	-1.58	6.05E-03	DNA-binding response regulator in two-component regulatory system with EnvZ
NBC2815_00697	NBC2815_00697	-1.76	4.07E-02	two-component system sensor protein
NBC2815_00701	NBC2815_00701	-2.42	1.69E-04	disulfide oxidoreductase
<i>dsbA</i>	NBC2815_00702	-4.27	0.00E+00	thiol:disulfide interchange protein
NBC2815_00703	NBC2815_00703	-1.82	2.79E-05	endonuclease-exonuclease-phosphatase
NBC2815_00704	NBC2815_00704	-1.89	1.03E-05	alcohol dehydrogenase
<i>xopAD_2</i>	NBC2815_00705	3.11	1.15E-11	type III effector protein XopAD
NBC2815_00707	NBC2815_00707	1.80	4.12E-04	multifunctional CCA protein
NBC2815_00715	NBC2815_00715	-1.69	4.02E-02	Hypothetical Protein
NBC2815_00716	NBC2815_00716	-3.84	2.26E-09	Hypothetical Protein
NBC2815_00718	NBC2815_00718	-2.84	1.68E-12	Hypothetical protein
<i>motB</i>	NBC2815_00719	7.23	8.06E-12	flagellar motor protein MotB
<i>motA2</i>	NBC2815_00720	15.50	6.21E-18	flagellar motor protein
NBC2815_00721	NBC2815_00721	4.82	2.06E-09	methionine sulfoxide reductase B /EC_number="1.8.4.12
NBC2815_00722	NBC2815_00722	5.25	1.30E-20	Hypothetical Protein
NBC2815_00723	NBC2815_00723	5.43	2.78E-21	leucine responsive regulatory protein
NBC2815_00724	NBC2815_00724	1.59	4.36E-03	D-amino acid dehydrogenase small subunit /EC_number="1.4.99.6
NBC2815_00727	NBC2815_00727	6.54	1.70E-24	Hypothetical Protein
NBC2815_00728	NBC2815_00728	7.13	1.14E-21	Hypothetical Protein
NBC2815_00729	NBC2815_00729	3.71	1.41E-14	Hypothetical Protein
NBC2815_00730	NBC2815_00730	4.36	1.79E-18	Hypothetical Protein
NBC2815_00731	NBC2815_00731	3.04	3.28E-10	putative sensory/regulatory hybrid protein of a two component system

NBC2815_00732	NBC2815_00732	2.41	8.63E-08	Hypothetical Protein
NBC2815_00733	NBC2815_00733	1.70	7.91E-03	L-sorbose dehydrogenase
NBC2815_00736	NBC2815_00736	-1.76	4.58E-03	ribosomal small subunit pseudouridylate synthase
NBC2815_00738	NBC2815_00738	2.42	7.40E-08	transposase
NBC2815_00739	NBC2815_00739	1.84	5.88E-03	tis1421-transposase b
NBC2815_00741	NBC2815_00741	1.82	1.10E-03	Hypothetical Protein
NBC2815_00742	NBC2815_00742	8.22	1.07E-06	two-component system sensor histidine kinase-response regulator hybrid protein
NBC2815_00746	NBC2815_00746	3.87	2.94E-04	hypothetical protein
NBC2815_00751	NBC2815_00751	2.02	5.01E-04	OmpW family protein
<i>aceF</i>	NBC2815_00753	-1.58	6.52E-03	dihydrolipoamide acetyltransferase
NBC2815_00754	NBC2815_00754	-2.30	9.07E-06	Hypothetical Protein
NBC2815_00756	NBC2815_00756	3.26	1.79E-11	Hypothetical Protein
NBC2815_00757	NBC2815_00757	2.47	4.93E-07	Hypothetical Protein
NBC2815_00759	NBC2815_00759	-1.82	2.00E-04	FOF1 ATP synthase subunit A /EC_number="3.6.3.14
NBC2815_00760	NBC2815_00760	-1.81	3.22E-04	FOF1 ATP synthase subunit C /EC_number="3.6.3.14
NBC2815_00761	NBC2815_00761	-3.17	2.79E-11	FOF1 ATP synthase subunit B /EC_number="3.6.3.14
NBC2815_00762	NBC2815_00762	-1.69	1.50E-03	FOF1 ATP synthase subunit delta /EC_number="3.6.3.14
<i>ATPA</i>	NBC2815_00763	-2.17	3.08E-06	ATP synthase subunit alpha
NBC2815_00764	NBC2815_00764	-3.57	1.75E-13	FOF1 ATP synthase subunit gamma /EC_number="3.6.3.14
<i>ATPD</i>	NBC2815_00765	-2.77	2.62E-09	ATP synthase subunit beta
<i>atpC</i>	NBC2815_00766	-2.47	4.04E-09	FOF1 ATP synthase subunit epsilon
<i>glmU</i>	NBC2815_00769	-1.55	2.83E-03	UDP-N-acetylglucosamine pyrophosphorylase
NBC2815_00770	NBC2815_00770	1.58	1.10E-02	hypothetical protein
NBC2815_00771	NBC2815_00771	1.93	5.56E-05	two-component system sensor histidine kinase
NBC2815_00772	NBC2815_00772	2.49	1.53E-06	two-component system sensor histidine kinase
NBC2815_00774	NBC2815_00774	6.17	7.81E-17	Hypothetical Protein
NBC2815_00775	NBC2815_00775	2.41	1.61E-06	Hypothetical Protein
<i>copB</i>	NBC2815_00777	-2.48	1.31E-06	copper resistance protein B
<i>copA</i>	NBC2815_00778	-1.96	4.22E-06	copper resistance protein A
<i>cysM</i>	NBC2815_00779	-2.07	1.50E-06	cysteine synthase
NBC2815_00781	NBC2815_00781	-1.76	3.84E-02	hypothetical protein
NBC2815_00782	NBC2815_00782	-4.44	1.30E-23	beta-ketoacyl-[ACP] synthase I
<i>fabA</i>	NBC2815_00783	-4.05	5.25E-21	3-hydroxydecanoyl-ACP dehydratase
<i>dinP</i>	NBC2815_00784	-1.75	1.35E-04	DNA polymerase IV
NBC2815_00786	NBC2815_00786	-1.79	4.14E-02	ISXo1 transposase, IS5 family
NBC2815_00793	NBC2815_00793	21.19	5.65E-35	Hypothetical Protein
NBC2815_00794	NBC2815_00794	3.92	2.46E-17	6-pyruvoyl tetrahydrobiopterin synthase
<i>rhIE</i>	NBC2815_00795	6.94	4.23E-24	ATP-dependent RNA helicase
<i>mhpD</i>	NBC2815_00796	-3.58	3.31E-22	2-keto-4-pentenoate hydratase
NBC2815_00797	NBC2815_00797	-2.46	1.23E-08	maleylacetoacetate isomerase
NBC2815_00799	NBC2815_00799	-1.60	1.31E-03	outer membrane protein
NBC2815_00801	NBC2815_00801	2.24	3.07E-04	UptF protein
<i>cysB</i>	NBC2815_00802	-1.51	1.29E-02	cystathionine beta-synthase
NBC2815_00803	NBC2815_00803	-2.02	7.46E-06	cystathionine gamma-synthase
NBC2815_00804	NBC2815_00804	-2.82	5.22E-13	glycosyltransferase
<i>wzm</i>	NBC2815_00805	-3.15	1.27E-09	permease of an ABC-type polysaccharide exporter
NBC2815_00806	NBC2815_00806	-4.76	1.22E-20	ABC transporter ATP binding protein
<i>wxcB</i>	NBC2815_00807	-3.03	3.41E-12	protein kinase
NBC2815_00808	NBC2815_00808	-4.69	9.45E-29	glycosyltransferase
NBC2815_00809	NBC2815_00809	-4.55	0.00E+00	membrane protein WxcD
NBC2815_00810	NBC2815_00810	-5.47	0.00E+00	membrane protein WxcE
<i>gmd</i>	NBC2815_00811	-6.03	0.00E+00	GDP-mannose 4,6-dehydratase
NBC2815_00812	NBC2815_00812	-5.22	0.00E+00	UDP-glucose 4-epimerase
NBC2815_00813	NBC2815_00813	-5.13	8.14E-32	integral membrane protein WxcO
NBC2815_00814	NBC2815_00814	-3.63	3.12E-15	hypothetical protein
NBC2815_00815	NBC2815_00815	-1.64	8.27E-03	GtrA-like protein
NBC2815_00816	NBC2815_00816	-1.98	1.25E-06	putative glycosyltransferase
NBC2815_00817	NBC2815_00817	-2.12	8.66E-07	hypothetical protein
NBC2815_00818	NBC2815_00818	-2.49	1.71E-09	electron transfer flavoprotein alpha subunit
<i>etfB</i>	NBC2815_00819	-2.74	4.59E-11	electron transfer flavoprotein beta subunit
<i>rmlB</i>	NBC2815_00820	-2.51	3.06E-11	dTDP-glucose 4,6-dehydratase
<i>rmlA</i>	NBC2815_00821	-2.59	6.17E-07	glucose-1-phosphate thymidyltransferase
NBC2815_00822	NBC2815_00822	-2.47	9.88E-07	dTDP-4-dehydrorhamnose 3,5-epimerase
<i>ipsI</i>	NBC2815_00826	-1.63	1.92E-03	IpsJ protein
NBC2815_00827	NBC2815_00827	-1.73	9.71E-04	IpsJ protein
NBC2815_00828	NBC2815_00828	-2.08	4.72E-06	Lipopolysaccharide biosynthesis protein
NBC2815_00830	NBC2815_00830	1.57	2.62E-02	DNA repair system specific for alkylated DNA
NBC2815_00831	NBC2815_00831	1.54	5.40E-03	lipoprotein
NBC2815_00833	NBC2815_00833	1.93	5.69E-06	ABC transporter ATP-binding protein
NBC2815_00834	NBC2815_00834	2.00	1.04E-04	ABC transporter permease
NBC2815_00836	NBC2815_00836	-2.05	3.99E-05	DNA-binding protein
<i>proS</i>	NBC2815_00837	-2.87	2.11E-12	putative prolyl-tRNA synthetase
NBC2815_00838	NBC2815_00838	-2.54	1.69E-09	Putative secreted protein
NBC2815_00841	NBC2815_00841	-1.59	3.03E-02	ribosomal-protein-alanine acetyltransferase
NBC2815_00851	NBC2815_00851	-1.91	3.77E-05	DNA-damage-inducible protein d
NBC2815_00852	NBC2815_00852	-1.96	7.89E-04	type I restriction enzyme M protein
<i>xopC_1</i>	NBC2815_00855	2.81	9.14E-07	outer protein C
<i>xopAF</i>	NBC2815_00856	-1.74	8.32E-05	type III effector protein XopAF
NBC2815_00858	NBC2815_00858	2.17	2.54E-06	Hypothetical Protein
<i>bga2</i>	NBC2815_00859	-1.71	1.21E-04	beta-galactosidase
NBC2815_00869	NBC2815_00869	2.10	1.86E-07	Hypothetical Protein
NBC2815_00870	NBC2815_00870	6.19	7.74E-23	peptidyl-Asp metalloendopeptidase
<i>lpxH</i>	NBC2815_00872	-1.57	6.82E-03	UDP-2,3-diacetylglucosamine hydrolase
NBC2815_00874	NBC2815_00874	-1.68	4.83E-02	glycosyl transferase
NBC2815_00879	NBC2815_00879	2.00	2.59E-05	Zn-dependent protease
<i>grxC</i>	NBC2815_00880	1.66	9.59E-03	glutaredoxin
NBC2815_00881	NBC2815_00881	1.54	2.36E-02	carboxymuconolactone decarboxylase
NBC2815_00884	NBC2815_00884	-1.51	1.44E-02	membrane protein
NBC2815_00889	NBC2815_00889	1.51	6.76E-03	hypothetical protein
NBC2815_00890	NBC2815_00890	4.74	2.86E-18	IS1478 transposase
NBC2815_00897	NBC2815_00897	2.72	1.80E-08	VGR-like protein
NBC2815_00900	NBC2815_00900	-2.28	1.98E-05	ISXo2 transposase
NBC2815_00901	NBC2815_00901	-1.91	3.65E-04	ISXo2 transposase
NBC2815_00902	NBC2815_00902	2.03	7.92E-06	VGR-like protein

NBC2815_00903	NBC2815_00903	2.25	1.02E-03	hypothetical protein
NBC2815_00905	NBC2815_00905	-2.48	1.17E-04	ISXo2 transposase
NBC2815_00914	NBC2815_00914	1.56	2.35E-02	siderophore biosynthesis protein
NBC2815_00915	NBC2815_00915	2.29	1.80E-06	Biotin carboxylase
NBC2815_00916	NBC2815_00916	2.47	9.90E-07	citrate-dependent iron transporter
<i>mphE</i>	NBC2815_00917	3.31	7.97E-10	4-hydroxy-2-oxovalerate aldolase
NBC2815_00919	NBC2815_00919	-1.91	2.81E-05	IS1478 transposase
NBC2815_00920	NBC2815_00920	-3.00	1.96E-04	hypothetical protein
NBC2815_00923	NBC2815_00923	-1.77	5.88E-03	AraC/XylS family transcriptional regulator
<i>gcvP</i>	NBC2815_00926	-2.37	4.28E-07	glycine dehydrogenase
NBC2815_00930	NBC2815_00930	-2.05	8.43E-06	dipeptidyl carboxypeptidase
NBC2815_00934	NBC2815_00934	2.91	4.12E-02	dolichyl-phosphate-mannose-protein mannosyltransferase
NBC2815_00938	NBC2815_00938	-3.42	6.74E-06	Hypothetical Protein
<i>minE</i>	NBC2815_00939	-2.84	2.67E-12	cell division topological specificity factor MinE
<i>minD</i>	NBC2815_00940	-3.09	5.97E-13	septum site-determining protein
NBC2815_00943	NBC2815_00943	-1.50	4.08E-02	two-component system sensor protein
NBC2815_00944	NBC2815_00944	-3.12	4.88E-11	two-component system regulatory protein
NBC2815_00945	NBC2815_00945	-5.87	5.79E-07	hypothetical protein
NBC2815_00946	NBC2815_00946	-2.90	1.42E-10	Hypothetical Protein
NBC2815_00947	NBC2815_00947	-2.83	9.98E-05	Hypothetical Protein
NBC2815_00948	NBC2815_00948	-1.75	7.06E-03	DNA-3-methyladenine glycosylase
NBC2815_00949	NBC2815_00949	1.93	3.64E-04	D-alanyl-D-alanine carboxypeptidase
NBC2815_00952	NBC2815_00952	1.71	2.33E-02	Hypothetical Protein
NBC2815_00953	NBC2815_00953	2.55	2.28E-07	Hypothetical Protein
<i>purT</i>	NBC2815_00955	-1.55	3.54E-03	phosphoribosylglycinamide formyltransferase 2
NBC2815_00958	NBC2815_00958	-1.69	3.68E-02	hypothetical protein
NBC2815_00959	NBC2815_00959	1.90	1.33E-02	IS1478 transposase
NBC2815_00964	NBC2815_00964	2.96	1.01E-05	EF hand domain-containing protein
NBC2815_00965	NBC2815_00965	5.43	4.13E-09	hypothetical protein
NBC2815_00966	NBC2815_00966	-1.87	7.62E-04	pathogenicity-like protein
NBC2815_00969	NBC2815_00969	-3.44	4.96E-10	Hypothetical Protein
<i>ileS</i>	NBC2815_00978	-1.88	9.41E-05	isoleucyl-tRNA ligase
<i>ispH</i>	NBC2815_00980	-1.60	2.59E-03	4-hydroxy-3-methylbut-2-enyl diphosphate reductase
NBC2815_00982	NBC2815_00982	-2.50	3.24E-04	Cytochrome O ubiquinol oxidase subunit II /EC_number="1.10.3.-
<i>cyoB</i>	NBC2815_00983	-2.52	4.95E-04	cytochrome O ubiquinol oxidase subunit I
<i>cyoC</i>	NBC2815_00984	-1.71	3.85E-02	putative cytochrome o ubiquinol oxidase subunit III
NBC2815_00985	NBC2815_00985	-1.72	3.31E-02	cytochrome O ubiquinol oxidase subunit IV
NBC2815_00986	NBC2815_00986	-8.34	6.18E-26	hypothetical protein
NBC2815_00987	NBC2815_00987	-2.13	3.32E-05	hypothetical protein
NBC2815_00988	NBC2815_00988	3.98	2.02E-06	Hypothetical Protein
<i>hrpG</i>	NBC2815_00989	8.55	3.09E-20	HrpG protein
<i>hrpX</i>	NBC2815_00990	4.40	7.86E-15	HrpX
NBC2815_00994	NBC2815_00994	4.24	1.26E-02	TonB-dependent receptor
NBC2815_00995	NBC2815_00995	3.61	8.11E-03	two-component system sensor protein
NBC2815_00997	NBC2815_00997	-1.69	1.68E-03	two-component system sensor protein
NBC2815_01002	NBC2815_01002	-2.88	1.22E-08	ISXo1 transposase, IS5 family
<i>hemE</i>	NBC2815_01005	-1.58	1.13E-03	uroporphyrinogen decarboxylase
NBC2815_01006	NBC2815_01006	-2.19	2.37E-04	Hypothetical Protein
<i>aroK</i>	NBC2815_01008	1.50	4.39E-02	shikimate kinase I
NBC2815_01009	NBC2815_01009	-1.56	7.98E-03	pyridoxamine 5'-phosphate oxidase /EC_number="1.4.3.5
NBC2815_01010	NBC2815_01010	-2.27	3.46E-09	Hypothetical Protein
NBC2815_01011	NBC2815_01011	-1.71	1.10E-03	PspA/IM30 family protein
NBC2815_01012	NBC2815_01012	-1.65	2.02E-03	Hypothetical Protein
NBC2815_01013	NBC2815_01013	-1.82	4.44E-04	membrane protein
NBC2815_01014	NBC2815_01014	-1.94	1.95E-05	lipoprotein
NBC2815_01015	NBC2815_01015	-2.80	1.67E-12	synthetase/amidase
NBC2815_01017	NBC2815_01017	2.14	1.65E-02	peptidase
NBC2815_01018	NBC2815_01018	3.43	2.50E-06	IS1480 transposase
NBC2815_01019	NBC2815_01019	3.39	1.48E-04	IS1480 transposase
NBC2815_01021	NBC2815_01021	2.08	2.67E-03	Amino acid-polyamine-organocation superfamily protein
<i>ahyR</i>	NBC2815_01022	2.32	2.02E-07	AhyR/AsaR family transcriptional regulator
NBC2815_01023	NBC2815_01023	4.42	1.10E-18	proline imino-peptidase
NBC2815_01024	NBC2815_01024	3.88	2.46E-06	methyl-accepting chemotaxis protein
NBC2815_01027	NBC2815_01027	-2.30	1.42E-08	Amino acid transporter family protein
NBC2815_01028	NBC2815_01028	-2.45	3.19E-08	peptidase
NBC2815_01030	NBC2815_01030	1.72	4.65E-03	relaxation protein
<i>kefB2</i>	NBC2815_01031	1.85	2.93E-05	glutathione-regulated potassium-efflux protein B
NBC2815_01034	NBC2815_01034	5.53	3.44E-16	transposase, fragment
NBC2815_01035	NBC2815_01035	2.04	3.74E-03	IS4 family transposase
NBC2815_01036	NBC2815_01036	4.49	1.32E-14	ferric enterobactin receptor
NBC2815_01039	NBC2815_01039	3.15	3.20E-12	lipoprotein
<i>aspS</i>	NBC2815_01040	-2.26	2.66E-07	aspartyl-tRNA synthetase
NBC2815_01043	NBC2815_01043	-3.45	4.91E-17	Hypothetical Protein
<i>ruvC</i>	NBC2815_01044	-2.43	3.60E-07	Holliday junction resolvase
<i>ruvA</i>	NBC2815_01045	-2.07	3.98E-07	Holliday junction DNA helicase RuvA
NBC2815_01046	NBC2815_01046	2.08	2.24E-05	potassium uptake protein
<i>ompP6</i>	NBC2815_01053	-3.05	6.29E-11	outer membrane protein P6
NBC2815_01054	NBC2815_01054	-2.14	3.58E-06	tol-pal system protein YbgF
NBC2815_01056	NBC2815_01056	2.28	1.69E-02	hypothetical protein
NBC2815_01063	NBC2815_01063	-1.78	9.13E-04	histone-like protein
<i>lon</i>	NBC2815_01064	2.57	2.30E-05	ATP-dependent serine proteinase La
<i>clpP</i>	NBC2815_01066	2.35	4.01E-05	ATP-dependent clp protease proteolytic subunit protein
NBC2815_01071	NBC2815_01071	2.13	2.35E-02	excinuclease ABC subunit A
NBC2815_01072	NBC2815_01072	2.23	6.97E-05	transducer protein car
NBC2815_01075	NBC2815_01075	3.20	7.65E-03	IS1404 transposase protein B
NBC2815_01077	NBC2815_01077	3.73	2.80E-11	dehydrogenase
NBC2815_01078	NBC2815_01078	2.13	4.01E-05	hydroxylase large subunit
NBC2815_01079	NBC2815_01079	2.04	3.22E-06	hydroxylase molybdopterin-containing subunit
NBC2815_01080	NBC2815_01080	2.46	4.40E-09	ferredoxin
NBC2815_01081	NBC2815_01081	-1.54	2.22E-02	Hypothetical Protein
NBC2815_01087	NBC2815_01087	1.56	2.17E-02	Hypothetical Protein
NBC2815_01089	NBC2815_01089	2.22	1.11E-04	Hypothetical Protein
NBC2815_01098	NBC2815_01098	2.09	9.08E-07	metal dependent phosphohydrolase superfamily protein
NBC2815_01101	NBC2815_01101	-3.74	0.00E+00	dipeptidyl peptidase

NBC2815_01102	NBC2815_01102	-2.35	4.25E-05	hypothetical protein
<i>mutM</i>	NBC2815_01103	2.03	2.72E-04	formamidopyrimidine-DNA glycosylase
NBC2815_01104	NBC2815_01104	2.52	8.02E-07	IS1478 transposase
<i>dniR_1</i>	NBC2815_01105	5.35	1.24E-20	murein hydrolase D
NBC2815_01106	NBC2815_01106	2.74	4.04E-09	hydroxyacylglutathione hydrolase /EC_number="3.1.2.6
<i>rnhA</i>	NBC2815_01108	-1.85	1.54E-04	ribonuclease H
NBC2815_01109	NBC2815_01109	-1.67	3.50E-04	DNA polymerase III subunit epsilon
NBC2815_01112	NBC2815_01112	-2.58	3.63E-07	Hypothetical Protein
<i>moaA</i>	NBC2815_01116	1.78	6.22E-05	molybdenum cofactor biosynthesis protein A
NBC2815_01117	NBC2815_01117	2.17	3.18E-02	hypothetical protein
<i>moaC</i>	NBC2815_01118	1.67	2.92E-03	molybdenum cofactor biosynthesis protein MoaC
<i>moaE</i>	NBC2815_01120	1.62	4.78E-03	molybdopterin converting factor subunit 2
NBC2815_01123	NBC2815_01123	-2.17	1.77E-07	Hypothetical Protein
<i>rpmF</i>	NBC2815_01135	-2.34	1.21E-05	50S ribosomal protein L32
NBC2815_01136	NBC2815_01136	-1.64	3.57E-03	3-oxoacyl-(acyl carrier protein) synthase III /EC_number="2.3.1.180
NBC2815_01137	NBC2815_01137	-1.83	6.68E-05	ACP S-malonyltransferase
<i>fabG_2</i>	NBC2815_01138	-1.74	3.67E-04	3-ketoacyl-ACP reductase
<i>acpP</i>	NBC2815_01139	-4.87	0.00E+00	acyl carrier protein
<i>fabF_2</i>	NBC2815_01140	-2.44	1.43E-07	3-oxoacyl-ACP synthase
NBC2815_01142	NBC2815_01142	-1.63	3.01E-03	periplasmic solute-binding protein
NBC2815_01143	NBC2815_01143	-1.70	8.67E-04	DNA polymerase III subunit delta' /EC_number="2.7.7.7
NBC2815_01144	NBC2815_01144	-2.05	5.26E-05	Tfp pilus assembly protein
NBC2815_01146	NBC2815_01146	-1.53	4.32E-03	Hypothetical Protein
NBC2815_01147	NBC2815_01147	1.53	2.67E-02	Hypothetical Protein
NBC2815_01149	NBC2815_01149	-5.38	0.00E+00	Hypothetical Protein
<i>virB6_1</i>	NBC2815_01150	-2.63	1.24E-10	type IV secretion system protein VirB6
NBC2815_01151	NBC2815_01151	-2.34	2.74E-10	Hypothetical Protein
NBC2815_01152	NBC2815_01152	-2.03	7.99E-05	Hypothetical Protein
NBC2815_01153	NBC2815_01153	-2.86	1.95E-12	Hypothetical Protein
NBC2815_01154	NBC2815_01154	-2.25	8.15E-08	Hypothetical Protein
NBC2815_01158	NBC2815_01158	-2.13	7.43E-04	Hypothetical Protein
NBC2815_01159	NBC2815_01159	-2.64	2.46E-04	Hypothetical Protein
NBC2815_01162	NBC2815_01162	2.73	3.28E-08	Hypothetical Protein
NBC2815_01165	NBC2815_01165	-1.79	7.43E-03	Hypothetical Protein
NBC2815_01170	NBC2815_01170	-2.16	1.89E-06	Putative membrane protein
NBC2815_01173	NBC2815_01173	-2.37	3.17E-04	hypothetical protein
NBC2815_01175	NBC2815_01175	-1.82	1.01E-02	hypothetical protein
NBC2815_01179	NBC2815_01179	3.58	1.48E-06	membrane-fusion protein
NBC2815_01180	NBC2815_01180	-1.65	3.22E-02	ABC-type bacteriocin/lantibiotic exporter
NBC2815_01181	NBC2815_01181	-2.55	1.40E-06	hydroxyproline-rich glycoprotein DZ-HRGP
NBC2815_01182	NBC2815_01182	-2.76	1.79E-04	hypothetical protein
NBC2815_01186	NBC2815_01186	-2.03	4.04E-02	hypothetical protein
NBC2815_01187	NBC2815_01187	-3.61	1.07E-05	hypothetical protein
NBC2815_01190	NBC2815_01190	1.98	2.54E-05	hypothetical protein
NBC2815_01192	NBC2815_01192	2.73	3.18E-03	MFS transporter permease
NBC2815_01195	NBC2815_01195	3.84	3.43E-07	Hypothetical Protein
NBC2815_01196	NBC2815_01196	2.31	1.57E-02	hypothetical protein
NBC2815_01197	NBC2815_01197	2.32	2.59E-04	outer protein Q
NBC2815_01198	NBC2815_01198	3.01	4.96E-10	Hypothetical Protein
NBC2815_01201	NBC2815_01201	2.15	1.87E-05	putative sugar kinase
NBC2815_01202	NBC2815_01202	1.94	4.22E-04	glycosyl hydrolase
NBC2815_01203	NBC2815_01203	1.72	1.46E-02	oxidoreductase
NBC2815_01204	NBC2815_01204	4.64	3.59E-15	short chain dehydrogenase
NBC2815_01205	NBC2815_01205	2.24	1.73E-06	hypothetical protein
NBC2815_01206	NBC2815_01206	2.27	1.31E-06	thioredoxin reductase /EC_number="1.8.1.9
NBC2815_01207	NBC2815_01207	2.35	5.85E-08	EAL domain-containing protein
NBC2815_01208	NBC2815_01208	1.70	1.14E-02	Guanosine polyphosphate pyrophosphohydrolase/synthetase
NBC2815_01209	NBC2815_01209	2.70	9.25E-03	Transposase
<i>nudE</i>	NBC2815_01213	-1.51	6.78E-03	ADP-ribose diphosphatase NudE
NBC2815_01214	NBC2815_01214	-1.80	6.73E-05	sulfite synthesis pathway protein
<i>mazG</i>	NBC2815_01215	-1.69	1.71E-04	nucleoside triphosphate pyrophosphohydrolase
NBC2815_01216	NBC2815_01216	-2.00	7.29E-03	membrane protein YnfA
<i>gcvT</i>	NBC2815_01217	-3.09	0.00E+00	glycine cleavage system aminomethyltransferase T
NBC2815_01218	NBC2815_01218	-4.17	8.86E-20	glycine cleavage system protein H
NBC2815_01219	NBC2815_01219	-2.91	2.17E-10	hypothetical protein
<i>bla</i>	NBC2815_01220	-1.84	2.16E-04	beta-lactamase
<i>fadE</i>	NBC2815_01223	3.16	3.28E-10	acyl-CoA dehydrogenase
NBC2815_01224	NBC2815_01224	7.05	9.38E-50	hydrolase, alpha/beta fold family
NBC2815_01227	NBC2815_01227	-1.82	1.04E-02	IS1478 transposase
<i>xopC_2</i>	NBC2815_01231	2.56	6.58E-05	outer protein C
NBC2815_01232	NBC2815_01232	2.65	2.23E-05	IS1480 transposase
NBC2815_01233	NBC2815_01233	4.82	8.42E-11	IS1404 transposase protein B
NBC2815_01234	NBC2815_01234	5.28	3.26E-16	IS1404 transposase
NBC2815_01235	NBC2815_01235	1.84	4.88E-03	Putative secreted protein
NBC2815_01236	NBC2815_01236	3.14	2.13E-09	heat shock protein
<i>gtrB</i>	NBC2815_01238	-2.36	1.78E-07	glucosyl transferase
NBC2815_01240	NBC2815_01240	2.00	4.66E-05	putative outer membrane AsmA family protein
<i>nlpD</i>	NBC2815_01246	3.55	1.61E-08	Membrane protein related to metalloendopeptidase
<i>metA</i>	NBC2815_01247	16.57	3.32E-16	homoserine trans-succinylase
<i>MetA</i>	NBC2815_01247	-5.30	2.25E-09	homoserine trans-succinylase
<i>metB</i>	NBC2815_01248	10.19	9.19E-21	cystathionine gamma-synthase
NBC2815_01249	NBC2815_01249	10.33	4.07E-38	homoserine dehydrogenase
NBC2815_01250	NBC2815_01250	2.44	1.34E-07	alpha/beta hydrolase
NBC2815_01251	NBC2815_01251	2.99	5.64E-05	Hypothetical Protein
<i>sdaA_2</i>	NBC2815_01253	-2.11	1.17E-02	L-serine ammonia-lyase
<i>sdaA_3</i>	NBC2815_01254	-1.67	6.94E-04	L-serine ammonia-lyase
NBC2815_01255	NBC2815_01255	2.29	5.09E-03	putative thiol-disulfide isomerase et thioredoxin; glutaredoxin protein
NBC2815_01259	NBC2815_01259	1.66	1.55E-03	histidine kinase-response regulator hybrid protein
NBC2815_01260	NBC2815_01260	3.81	1.21E-04	transposase
<i>ffh</i>	NBC2815_01265	-1.88	5.87E-05	signal recognition particle protein
<i>rpsP</i>	NBC2815_01270	2.37	2.19E-06	30S ribosomal protein S16
<i>rimM</i>	NBC2815_01271	1.75	1.40E-03	16S rRNA-processing protein RimM
<i>trmD</i>	NBC2815_01272	1.94	5.46E-05	tRNA (guanine-N(1)-)-methyltransferase
NBC2815_01276	NBC2815_01276	-1.53	2.54E-03	IS1478 transposase

NBC2815_01277	NBC2815_01277	3.05	1.01E-02	transposase
NBC2815_01279	NBC2815_01279	2.09	1.55E-03	hypothetical protein
NBC2815_01280	NBC2815_01280	2.07	2.02E-04	GGDEF domain-containing protein
NBC2815_01281	NBC2815_01281	4.08	1.55E-10	sensor histidine kinase
NBC2815_01282	NBC2815_01282	8.12	1.52E-06	sensor protein
<i>pheT</i>	NBC2815_01289	-1.65	1.02E-03	phenylalanyl-tRNA ligase subunit beta
<i>ihfA</i>	NBC2815_01290	-3.67	1.32E-15	integration host factor subunit alpha
NBC2815_01291	NBC2815_01291	-2.20	1.47E-04	MerR family transcriptional regulator
<i>gumB</i>	NBC2815_01293	5.62	2.08E-20	protein GumB
<i>gumC</i>	NBC2815_01294	3.42	1.22E-10	xanthan chain-length determinant
<i>gumD</i>	NBC2815_01295	3.59	2.27E-10	protein GumD
NBC2815_01296	NBC2815_01296	1.73	1.97E-03	GumE protein
NBC2815_01302	NBC2815_01302	-1.98	3.73E-05	GumK protein
NBC2815_01303	NBC2815_01303	-3.09	1.15E-14	GumL protein
<i>gumM</i>	NBC2815_01304	-3.24	1.38E-16	GumM protein
NBC2815_01305	NBC2815_01305	-2.14	3.86E-04	Hypothetical Protein
NBC2815_01315	NBC2815_01315	-1.76	4.97E-03	Hypothetical Protein
NBC2815_01317	NBC2815_01317	-2.88	1.50E-06	Fe(II) trafficking protein YggX
NBC2815_01320	NBC2815_01320	-2.19	1.05E-04	transcriptional regulator
NBC2815_01321	NBC2815_01321	-2.31	1.42E-08	proline racemase
NBC2815_01322	NBC2815_01322	-1.58	9.38E-03	D-amino acid oxidase
NBC2815_01325	NBC2815_01325	-2.69	6.05E-11	dihydrodipicolinate synthetase
NBC2815_01328	NBC2815_01328	-2.39	4.02E-09	lipoprotein
NBC2815_01329	NBC2815_01329	-2.82	3.96E-12	Hypothetical Protein
NBC2815_01330	NBC2815_01330	-1.98	6.21E-06	amino acid permease
NBC2815_01331	NBC2815_01331	-3.26	1.70E-14	peptidase
<i>lacA_1</i>	NBC2815_01332	-2.79	8.39E-07	Beta-galactosidase
NBC2815_01333	NBC2815_01333	-1.74	2.58E-04	ISXo1 transposase, IS5 family
NBC2815_01337	NBC2815_01337	-2.66	2.16E-11	peptidase
NBC2815_01338	NBC2815_01338	-1.97	1.88E-06	Hypothetical Protein
NBC2815_01339	NBC2815_01339	-1.75	7.30E-04	putative TonB-dependent transporter
<i>xopAD_3</i>	NBC2815_01341	2.00	5.04E-06	type III effector protein XopAD
<i>xsa_2</i>	NBC2815_01343	2.82	1.25E-04	xylosidase
NBC2815_01344	NBC2815_01344	2.02	3.63E-03	hypothetical protein
NBC2815_01347	NBC2815_01347	-2.90	2.21E-02	hypothetical protein
NBC2815_01353	NBC2815_01353	5.51	1.17E-23	SAM-dependent methyltransferase
NBC2815_01355	NBC2815_01355	-1.84	2.48E-05	acetyl-CoA carboxylase carboxyltransferase subunit alpha /EC_number="6.4.1.2
<i>dnaE</i>	NBC2815_01356	-1.55	6.34E-03	DNA polymerase III subunit alpha
<i>fabZ</i>	NBC2815_01361	-1.68	2.34E-03	(3R)-hydroxymyristoyl-ACP dehydratase
NBC2815_01363	NBC2815_01363	9.83	4.80E-08	Hypothetical Protein
NBC2815_01364	NBC2815_01364	-2.02	1.14E-04	outer membrane antigen
NBC2815_01367	NBC2815_01367	-2.44	2.69E-10	phosphatidate cytidyltransferase
NBC2815_01368	NBC2815_01368	-2.05	6.81E-07	undecaprenyl pyrophosphate synthase
<i>frr</i>	NBC2815_01369	-2.55	9.18E-09	ribosome recycling factor
<i>pyrH</i>	NBC2815_01370	-2.71	4.57E-10	putative uridylylase
<i>tsf</i>	NBC2815_01372	1.64	1.01E-02	elongation factor ts (ef-ts) protein
<i>rpsB</i>	NBC2815_01373	1.66	5.81E-03	30S ribosomal protein S2
NBC2815_01374	NBC2815_01374	5.56	3.39E-24	pili assembly chaperone
NBC2815_01375	NBC2815_01375	1.82	4.83E-04	Hypothetical Protein
NBC2815_01376	NBC2815_01376	2.71	2.84E-08	spore coat U domain protein
NBC2815_01377	NBC2815_01377	4.53	4.52E-15	PapC family outer membrane usher protein
NBC2815_01378	NBC2815_01378	4.81	5.62E-10	pili assembly chaperone
<i>pru</i>	NBC2815_01379	5.88	2.44E-09	protein U
NBC2815_01380	NBC2815_01380	1.81	6.00E-04	methionine aminopeptidase
<i>glnD</i>	NBC2815_01381	2.45	3.31E-07	PII uridylyl-transferase
<i>asnB</i>	NBC2815_01385	2.24	2.29E-06	asparagine synthetase B
NBC2815_01386	NBC2815_01386	1.83	2.94E-02	Hypothetical Protein
NBC2815_01388	NBC2815_01388	1.68	2.35E-03	penicillin acylase II
<i>bfr</i>	NBC2815_01392	-2.98	1.03E-10	bacterioferritin
NBC2815_01394	NBC2815_01394	-3.55	0.00E+00	DNA topoisomerase IV subunit A /EC_number="5.99.1.-
<i>yybA</i>	NBC2815_01395	1.86	7.57E-03	MarR family transcriptional regulator
NBC2815_01398	NBC2815_01398	-2.62	4.56E-05	multidrug resistance membrane translocase
NBC2815_01405	NBC2815_01405	2.08	7.87E-04	Hypothetical Protein
NBC2815_01407	NBC2815_01407	2.24	2.52E-06	lipoprotein
NBC2815_01408	NBC2815_01408	1.82	2.20E-03	MarR family transcriptional regulator
<i>dcp2_1</i>	NBC2815_01409	1.99	1.87E-05	peptidyl-dipeptidase
NBC2815_01412	NBC2815_01412	3.55	4.76E-16	ABC transporter ATP-binding protein
<i>fumB</i>	NBC2815_01413	-1.60	1.20E-03	fumarate hydratase
NBC2815_01418	NBC2815_01418	2.08	5.37E-04	Hypothetical Protein
NBC2815_01420	NBC2815_01420	-1.54	1.68E-02	cold-shock protein
<i>pcp</i>	NBC2815_01421	2.26	6.37E-06	peptidoglycan-associated outer membrane lipoprotein
NBC2815_01422	NBC2815_01422	1.86	1.17E-02	Hypothetical Protein
NBC2815_01426	NBC2815_01426	5.25	5.90E-17	Hypothetical Protein
NBC2815_01427	NBC2815_01427	4.50	9.34E-12	transglutaminase
NBC2815_01430	NBC2815_01430	1.73	3.27E-04	flavoprotein
<i>dnaB</i>	NBC2815_01431	-2.88	5.28E-13	replicative DNA helicase
NBC2815_01433	NBC2815_01433	2.10	4.38E-04	OmpA family protein
NBC2815_01435	NBC2815_01435	5.60	8.03E-14	ISXac3 transposase
NBC2815_01436	NBC2815_01436	2.22	2.30E-02	ISXac3 transposase
NBC2815_01439	NBC2815_01439	2.51	5.47E-05	transcriptional regulator
NBC2815_01440	NBC2815_01440	2.68	8.77E-10	Hypothetical Protein
NBC2815_01441	NBC2815_01441	1.66	1.10E-03	putative DNA-binding protein
NBC2815_01442	NBC2815_01442	-7.59	8.49E-30	aldehyde dehydrogenase
NBC2815_01443	NBC2815_01443	-7.80	5.82E-24	acyl-CoA dehydrogenase
NBC2815_01444	NBC2815_01444	-7.25	4.85E-26	enoyl-CoA hydratase /EC_number="4.2.1.17
NBC2815_01445	NBC2815_01445	-6.27	3.35E-25	enoyl-CoA hydratase
NBC2815_01446	NBC2815_01446	-6.32	3.45E-23	3-hydroxyisobutyrate dehydrogenase
NBC2815_01450	NBC2815_01450	2.06	4.96E-05	regulatory protein
NBC2815_01452	NBC2815_01452	-10.42	4.40E-13	hypothetical protein
<i>corA_1</i>	NBC2815_01458	-1.80	9.17E-05	magnesium and cobalt transport protein
NBC2815_01461	NBC2815_01461	-1.78	4.47E-04	Hypothetical Protein
NBC2815_01462	NBC2815_01462	-2.98	1.73E-13	metal-binding heat shock protein
NBC2815_01465	NBC2815_01465	7.27	4.30E-03	hypothetical protein
NBC2815_01467	NBC2815_01467	-4.22	6.46E-22	ubiquinol cytochrome C oxidoreductase, iron-sulfur subunit

NBC2815_01468	NBC2815_01468	-4.25	9.05E-15	ubiquinol cytochrome C oxidoreductase cytochrome B subunit
<i>petC</i>	NBC2815_01469	-2.91	8.26E-12	ubiquinol cytochrome C oxidoreductase, cytochrome C1 subunit
<i>sspA</i>	NBC2815_01470	-3.12	4.68E-14	stringent starvation protein a
NBC2815_01471	NBC2815_01471	-1.60	4.09E-03	ClpXP protease specificity-enhancing factor
NBC2815_01472	NBC2815_01472	1.90	9.47E-04	Hypothetical Protein
<i>lhr1</i>	NBC2815_01473	3.39	1.51E-11	ATP-dependent DNA helicase
NBC2815_01474	NBC2815_01474	3.08	3.49E-13	3-methyladenine DNA glycosylase
NBC2815_01477	NBC2815_01477	-2.97	6.03E-11	virulence regulator
NBC2815_01485	NBC2815_01485	-2.44	7.36E-08	signal peptidase I
NBC2815_01486	NBC2815_01486	-3.94	6.27E-14	Hypothetical Protein
<i>era</i>	NBC2815_01488	-2.32	1.90E-08	GTP-binding protein Era
<i>recO</i>	NBC2815_01489	-1.54	3.71E-02	DNA repair protein RecO
<i>rumA</i>	NBC2815_01491	-3.00	3.09E-11	23S rRNA 5-methyluridine methyltransferase
NBC2815_01492	NBC2815_01492	-3.21	2.59E-08	adenylate cyclase /EC_number="4.6.1.1
<i>deoD</i>	NBC2815_01497	-1.73	1.48E-04	5'-methylthioadenosine phosphorylase
<i>scoF</i>	NBC2815_01498	-4.38	3.14E-17	cold shock protein
NBC2815_01500	NBC2815_01500	1.68	7.62E-04	helicase-like protein
NBC2815_01501	NBC2815_01501	2.61	1.33E-08	ATP-dependent DNA ligase /EC_number="6.5.1.1
NBC2815_01502	NBC2815_01502	3.60	6.98E-09	hypothetical protein
NBC2815_01503	NBC2815_01503	3.53	3.11E-13	mRNA 3'-end processing factor
NBC2815_01504	NBC2815_01504	5.44	1.12E-34	Hypothetical Protein
NBC2815_01505	NBC2815_01505	4.35	1.89E-14	Hypothetical Protein
NBC2815_01506	NBC2815_01506	4.46	4.09E-15	lipoprotein
NBC2815_01508	NBC2815_01508	-1.66	1.40E-03	acetoacetyl-CoA thiolase
NBC2815_01509	NBC2815_01509	-2.80	4.18E-06	ISXo1 transposase, ISS family
NBC2815_01510	NBC2815_01510	1.80	1.19E-04	leucine dehydrogenase
NBC2815_01511	NBC2815_01511	2.71	6.86E-06	Hypothetical Protein
NBC2815_01513	NBC2815_01513	3.41	1.59E-11	Hypothetical Protein
NBC2815_01514	NBC2815_01514	-1.91	2.26E-04	Hypothetical Protein
NBC2815_01515	NBC2815_01515	-2.12	5.33E-03	transposase
NBC2815_01517	NBC2815_01517	-1.79	3.05E-05	ATPase
<i>dniR_2</i>	NBC2815_01518	-2.27	2.12E-09	membrane-bound lytic murein transglycosylase D
NBC2815_01519	NBC2815_01519	-2.03	1.65E-05	protein FimV
NBC2815_01520	NBC2815_01520	-1.56	8.95E-03	glyoxalase-bleomycin resistance protein-dioxygenase superfamily protein
<i>truA</i>	NBC2815_01521	1.89	3.61E-05	tRNA pseudouridine synthase A
NBC2815_01522	NBC2815_01522	2.33	2.73E-07	N-(5'-phosphoribosyl)anthranilate isomerase /EC_number="5.3.1.24
NBC2815_01525	NBC2815_01525	-1.59	4.02E-02	ISXo1 transposase, ISS family
NBC2815_01527	NBC2815_01527	1.90	2.13E-03	transcriptional regulator
<i>accD</i>	NBC2815_01531	-1.64	3.38E-03	Acyl-CoA carboxyltransferase beta chain
<i>glmM</i>	NBC2815_01532	-1.88	4.13E-05	phosphoglucosamine mutase
NBC2815_01533	NBC2815_01533	-1.69	4.31E-04	oxidoreductase
<i>tpiA</i>	NBC2815_01539	-1.90	1.55E-05	triosephosphate isomerase
<i>nuoA</i>	NBC2815_01542	-1.90	6.10E-05	NADH dehydrogenase subunit A
<i>nuoB</i>	NBC2815_01543	-2.13	3.13E-06	NADH dehydrogenase subunit B
NBC2815_01544	NBC2815_01544	-2.28	2.19E-07	NADH dehydrogenase subunit C /EC_number="1.6.5.11
NBC2815_01545	NBC2815_01545	-3.01	7.10E-12	NADH dehydrogenase subunit D /EC_number="1.6.5.11
<i>nuoE</i>	NBC2815_01546	-2.98	1.52E-11	NADH-quinone oxidoreductase chain e (nadh dehydrogenasel chain e) (ndh-1, chain e) (nuo5) oxidoreductase
<i>nuoF</i>	NBC2815_01547	-3.07	2.88E-12	NADH-quinone oxidoreductase chain f (nadh dehydrogenasel chain f) (ndh-1, chain f) (nuo6) oxidoreductase
NBC2815_01548	NBC2815_01548	-2.87	1.08E-10	NADH dehydrogenase subunit G /EC_number="1.6.5.3
<i>nuoH</i>	NBC2815_01549	-3.25	1.04E-13	NADH-quinone oxidoreductase subunit h (nadh dehydrogenasel subunit h) (ndh-1 subunit h) (nuo8) oxidoreductase
NBC2815_01550	NBC2815_01550	-2.92	1.14E-12	NADH dehydrogenase subunit I /EC_number="1.6.5.3
<i>nuoJ</i>	NBC2815_01551	-2.64	2.66E-11	NADH dehydrogenase subunit J
<i>nuoK</i>	NBC2815_01552	-3.44	9.20E-18	NADH-quinone oxidoreductase chain k (nadh dehydrogenasel chain k) (ndh-1, chain k) (nuo11) oxidoreductase
NBC2815_01553	NBC2815_01553	-3.04	4.13E-11	NADH dehydrogenase subunit L
NBC2815_01554	NBC2815_01554	-3.77	0.00E+00	NADH:ubiquinone oxidoreductase subunit M /EC_number="1.6.5.11
NBC2815_01555	NBC2815_01555	-5.06	0.00E+00	NADH-ubiquinone oxidoreductase Nqo14 subunit
NBC2815_01557	NBC2815_01557	-1.63	8.54E-04	ribosome maturation protein RimP
<i>nusA</i>	NBC2815_01558	-1.56	6.38E-03	transcription elongation protein nusa
<i>infB</i>	NBC2815_01559	-1.76	1.13E-03	translation initiation factor IF-2
<i>rpsO</i>	NBC2815_01562	-1.65	1.93E-03	30S ribosomal protein S15
NBC2815_01563	NBC2815_01563	-2.49	4.44E-08	polynucleotide phosphorylase /EC_number="2.7.7.8
NBC2815_01564	NBC2815_01564	37.34	1.25E-02	transposase
NBC2815_01566	NBC2815_01566	-2.89	2.03E-13	nicotinate-nucleotide pyrophosphorylase
NBC2815_01567	NBC2815_01567	-5.23	2.48E-16	Hypothetical Protein
<i>purE</i>	NBC2815_01568	-2.71	1.83E-13	N5-carboxyaminoimidazole ribonucleotide mutase
NBC2815_01569	NBC2815_01569	-2.52	6.95E-11	phosphoribosylaminoimidazole carboxylase ATPase subunit /EC_number="4.1.1.21
NBC2815_01570	NBC2815_01570	-1.85	4.59E-03	iron superoxide dismutase
NBC2815_01571	NBC2815_01571	-3.46	8.48E-10	glutaredoxin-like protein
NBC2815_01573	NBC2815_01573	-3.48	1.01E-06	Integral membrane protein of the MarC family protein
NBC2815_01575	NBC2815_01575	-2.34	2.26E-09	Rossmann fold nucleotide-binding protein
NBC2815_01576	NBC2815_01576	-3.35	3.76E-16	alginate biosynthesis protein
NBC2815_01577	NBC2815_01577	-6.68	4.62E-30	pre-pilin like leader sequence
<i>pilW</i>	NBC2815_01578	-30.62	1.15E-56	type IV pilus assembly protein PilW
NBC2815_01579	NBC2815_01579	-21.61	0.00E+00	PilY1 protein
<i>pilE</i>	NBC2815_01580	-12.95	8.30E-39	type IV pilin pile protein
NBC2815_01581	NBC2815_01581	-2.79	2.13E-13	IS1478 transposase
NBC2815_01586	NBC2815_01586	-2.45	2.12E-09	DNA helicase-like protein
NBC2815_01588	NBC2815_01588	2.18	2.85E-03	beta alanine--pyruvate transaminase /EC_number="2.6.1.18
NBC2815_01589	NBC2815_01589	-3.29	2.99E-16	integral membrane transporter
NBC2815_01590	NBC2815_01590	-1.55	1.50E-02	integral membrane transporter
<i>yhjE</i>	NBC2815_01594	-3.34	3.69E-03	metabolite transport protein
NBC2815_01598	NBC2815_01598	1.94	2.00E-05	oxidoreductase
NBC2815_01600	NBC2815_01600	-1.70	1.24E-03	glutamine synthetase
<i>gabD</i>	NBC2815_01610	2.08	3.55E-04	succinate-semialdehyde dehydrogenase
NBC2815_01614	NBC2815_01614	1.64	3.76E-03	multidrug resistance protein
NBC2815_01615	NBC2815_01615	3.20	1.06E-11	TetR/AcrR family transcriptional regulator
NBC2815_01616	NBC2815_01616	-2.17	3.18E-06	NAD-specific glutamate dehydrogenase /EC_number="1.4.1.2
NBC2815_01618	NBC2815_01618	-1.80	8.95E-04	transposase
NBC2815_01620	NBC2815_01620	2.47	1.20E-07	tis1421-transposase b
NBC2815_01621	NBC2815_01621	3.82	2.89E-07	HrpF protein
NBC2815_01622	NBC2815_01622	2.13	2.34E-07	IS1478 transposase
NBC2815_01626	NBC2815_01626	2.76	3.85E-07	putative replication protein
NBC2815_01627	NBC2815_01627	3.03	2.86E-04	hypothetical protein
NBC2815_01630	NBC2815_01630	4.94	1.82E-06	cytochrome D ubiquinol oxidase subunit I

NBC2815_01631	NBC2815_01631	-3.41	1.58E-04	ISXo1 transposase, IS5 family
NBC2815_01635	NBC2815_01635	4.02	7.94E-05	ISXac3 transposase, IS3 family
NBC2815_01639	NBC2815_01639	2.84	1.20E-08	Hypothetical Protein
NBC2815_01642	NBC2815_01642	2.17	1.27E-03	VirB8 protein
NBC2815_01646	NBC2815_01646	3.65	7.24E-12	VirB1 protein
NBC2815_01648	NBC2815_01648	1.67	5.50E-04	VirB3 protein
<i>virB4</i>	NBC2815_01649	2.92	1.02E-09	VirB4 protein
NBC2815_01651	NBC2815_01651	-2.21	2.59E-05	VirB6 protein
NBC2815_01652	NBC2815_01652	-4.31	2.76E-17	Hypothetical Protein
NBC2815_01653	NBC2815_01653	-3.46	5.08E-20	carboxypeptidase
NBC2815_01654	NBC2815_01654	-1.89	2.84E-03	ISXo1 transposase, IS5 family
NBC2815_01658	NBC2815_01658	3.07	1.56E-13	serine peptidase
NBC2815_01659	NBC2815_01659	2.03	4.18E-03	subtilase serine protease
NBC2815_01660	NBC2815_01660	3.30	6.01E-11	subtilase serine protease
NBC2815_01662	NBC2815_01662	-1.73	1.35E-04	Oligoketide cyclase/lipid transport protein
<i>fur</i>	NBC2815_01665	-1.58	3.24E-03	ferric uptake regulator Fur
<i>hrcA</i>	NBC2815_01667	2.23	1.99E-04	heat-inducible transcription repressor
NBC2815_01669	NBC2815_01669	2.35	5.46E-05	heat shock protein GrpE
<i>dnaK</i>	NBC2815_01670	1.73	1.25E-02	molecular chaperone DnaK
NBC2815_01671	NBC2815_01671	2.49	2.18E-05	molecular chaperone DnaJ
<i>pdxY</i>	NBC2815_01672	2.08	5.89E-05	pyridoxine kinase
NBC2815_01674	NBC2815_01674	1.69	1.46E-02	Hypothetical Protein
NBC2815_01676	NBC2815_01676	1.57	9.62E-03	RND efflux membrane fusion protein
NBC2815_01678	NBC2815_01678	1.94	4.91E-02	putative LysR family transcriptional regulator
NBC2815_01687	NBC2815_01687	-2.33	1.34E-07	cupin superfamily protein, putative
NBC2815_01688	NBC2815_01688	-2.07	7.86E-07	adenylosuccinate lyase /EC_number="4.3.2.2
NBC2815_01690	NBC2815_01690	-1.75	3.56E-03	IS1479 transposase-like protein
NBC2815_01693	NBC2815_01693	-1.77	2.21E-03	lipoprotein
NBC2815_01694	NBC2815_01694	3.12	9.81E-05	IS1480 transposase
NBC2815_01697	NBC2815_01697	-2.17	4.24E-03	hypothetical protein
NBC2815_01702	NBC2815_01702	-2.45	5.95E-10	ABC transporter vitamin B12 uptake permease
<i>fkpA</i>	NBC2815_01703	-1.80	3.04E-04	FKBP-type peptidylprolyl isomerase
<i>slyX</i>	NBC2815_01705	-1.91	4.90E-05	Hypothetical Protein
NBC2815_01706	NBC2815_01706	-1.98	3.03E-05	nucleoprotein/polynucleotide-associated enzyme
NBC2815_01707	NBC2815_01707	-2.04	1.01E-07	Hypothetical Protein
NBC2815_01709	NBC2815_01709	-3.13	1.97E-13	glucose-galactose transporter
NBC2815_01710	NBC2815_01710	-2.41	9.05E-09	fructokinase
NBC2815_01711	NBC2815_01711	-2.80	6.32E-10	N-acyl-D-glucosamine 2-epimerase
NBC2815_01712	NBC2815_01712	2.73	5.60E-08	5-methyltetrahydrofolate--homocysteine methyltransferase
NBC2815_01713	NBC2815_01713	3.18	5.30E-08	5-methyltetrahydrofolate--homocysteine methyltransferase
NBC2815_01714	NBC2815_01714	3.05	6.44E-07	transcriptional regulator
<i>acdA</i>	NBC2815_01715	1.87	4.94E-05	acyl-CoA dehydrogenase
NBC2815_01716	NBC2815_01716	-2.05	1.90E-06	acetylhydrolase
NBC2815_01718	NBC2815_01718	-1.72	8.55E-04	RNase R
NBC2815_01720	NBC2815_01720	-2.25	1.76E-06	tRNA/rRNA methyltransferase
NBC2815_01721	NBC2815_01721	8.05	1.76E-05	periplasmic ligand-binding sensor domain-containing protein
NBC2815_01730	NBC2815_01730	1.84	8.74E-05	Hypothetical Protein
NBC2815_01741	NBC2815_01741	-1.74	1.17E-02	N-acetylmuramyl-L-alanine amidase, negative regulator of AmpC, AmpD
NBC2815_01744	NBC2815_01744	1.71	2.65E-02	acetyltransferase
NBC2815_01749	NBC2815_01749	-2.47	1.01E-04	ISXo1 transposase, IS5 family
<i>yadF</i>	NBC2815_01757	-2.93	3.03E-14	carbonic anhydrase
NBC2815_01759	NBC2815_01759	-2.40	1.00E-05	Hypothetical Protein
NBC2815_01760	NBC2815_01760	-2.50	5.41E-05	Hypothetical Protein
<i>asnC</i>	NBC2815_01762	-2.67	2.82E-10	asparaginyl-tRNA ligase
<i>rpsR</i>	NBC2815_01765	2.02	2.70E-05	30S ribosomal protein S18
<i>ligA</i>	NBC2815_01769	-1.79	5.56E-05	NAD-dependent DNA ligase LigA
NBC2815_01770	NBC2815_01770	-1.96	7.67E-04	lysyl-tRNA synthetase
NBC2815_01771	NBC2815_01771	1.58	2.51E-03	Hypothetical Protein
NBC2815_01774	NBC2815_01774	1.84	1.54E-03	hypothetical protein
<i>hutC</i>	NBC2815_01780	2.84	1.27E-12	GntR family transcriptional regulator
<i>phaF</i>	NBC2815_01781	1.73	1.69E-03	poly(hydroxyalcanoate) granule associated protein
NBC2815_01782	NBC2815_01782	-2.21	1.50E-02	putative polyhydroxyalkanoic acid system protein
<i>psd</i>	NBC2815_01785	-2.26	1.13E-08	phosphatidylserine decarboxylase
NBC2815_01786	NBC2815_01786	-2.46	3.88E-09	SCO1/SenC family protein
NBC2815_01787	NBC2815_01787	-1.80	3.85E-05	N5-glutamine S-adenosyl-L-methionine-dependent methyltransferase
NBC2815_01788	NBC2815_01788	-2.04	2.74E-04	hypothetical protein
NBC2815_01789	NBC2815_01789	-1.59	1.32E-03	chorismate synthase /EC_number="4.2.3.5
NBC2815_01790	NBC2815_01790	-1.75	2.49E-04	2-hydroxyacid dehydrogenase
NBC2815_01791	NBC2815_01791	-2.70	7.42E-11	aspartate-semialdehyde dehydrogenase /EC_number="1.2.1.11
NBC2815_01792	NBC2815_01792	1.66	3.86E-02	hypothetical protein
NBC2815_01793	NBC2815_01793	4.34	3.37E-08	chemotaxis protein
NBC2815_01795	NBC2815_01795	2.52	2.11E-07	recombinase A
NBC2815_01796	NBC2815_01796	2.53	9.07E-09	histidine kinase-response regulator hybrid protein
NBC2815_01798	NBC2815_01798	2.88	4.82E-04	IS1404 transposase protein B
NBC2815_01799	NBC2815_01799	4.19	2.97E-05	IS1404 transposase
NBC2815_01800	NBC2815_01800	2.73	1.00E-04	cation efflux system protein
NBC2815_01801	NBC2815_01801	22.60	3.73E-35	autotransporter serine protease
NBC2815_01804	NBC2815_01804	1.61	6.00E-03	tis1421-transposase b
<i>xopAD_4</i>	NBC2815_01805	1.90	7.10E-04	type III effector protein XopAD
NBC2815_01808	NBC2815_01808	1.98	6.20E-06	L-sorbose dehydrogenase
NBC2815_01809	NBC2815_01809	3.30	2.92E-06	IS1478 transposase
NBC2815_01811	NBC2815_01811	4.56	6.64E-03	Hypothetical Protein
NBC2815_01812	NBC2815_01812	4.45	2.04E-04	Hypothetical Protein
NBC2815_01814	NBC2815_01814	3.20	3.00E-07	Hypothetical Protein
NBC2815_01815	NBC2815_01815	29.02	4.74E-26	chemotaxis protein
NBC2815_01816	NBC2815_01816	21.42	6.80E-23	chemotaxis phosphatase CheZ
NBC2815_01817	NBC2815_01817	20.24	1.46E-20	chemotaxis response regulator chey protein
NBC2815_01818	NBC2815_01818	43.42	1.32E-30	RNA polymerase sigma factor
NBC2815_01819	NBC2815_01819	24.85	2.05E-28	flagellar biosynthesis switch protein
<i>flhF</i>	NBC2815_01820	62.36	1.37E-42	flagellar gtp-binding protein flhF
<i>flhA</i>	NBC2815_01821	13.80	1.47E-21	flagellar biosynthesis protein FlhA
<i>flhB</i>	NBC2815_01822	10.37	7.72E-14	flagellar biosynthesis protein FlhB
NBC2815_01823	NBC2815_01823	26.41	1.01E-24	GGDEF domain-containing protein
NBC2815_01824	NBC2815_01824	3.90	3.63E-14	diguanylate cyclase

NBC2815_01825	NBC2815_01825	13.56	1.37E-20	flagellar biosynthetic protein FlIR
NBC2815_01826	NBC2815_01826	20.99	8.05E-20	flagellar biosynthesis
<i>fliP</i>	NBC2815_01827	4.65	3.48E-17	flagellar biosynthesis protein FlIP
<i>fliO</i>	NBC2815_01828	7.53	9.43E-17	flagellar protein
NBC2815_01829	NBC2815_01829	6.76	3.44E-14	flagellar protein
<i>fliM</i>	NBC2815_01830	8.63	6.71E-17	flagellar motor switch protein FlIM
<i>fliL</i>	NBC2815_01831	11.02	9.54E-17	flagellar basal body-associated protein FlIL
NBC2815_01832	NBC2815_01832	7.93	2.22E-12	flagellar protein
NBC2815_01833	NBC2815_01833	6.59	1.42E-10	flagellar biosynthesis chaperone FlIJ
NBC2815_01834	NBC2815_01834	8.23	3.40E-13	flagellar protein
NBC2815_01835	NBC2815_01835	7.22	3.25E-14	flagellar protein
<i>fliG</i>	NBC2815_01836	4.27	2.94E-09	flagellar protein
<i>fliF</i>	NBC2815_01837	5.40	7.24E-12	flagellar M-ring protein FlIF
<i>fliE</i>	NBC2815_01838	5.55	3.08E-08	flagellar protein
NBC2815_01839	NBC2815_01839	1.61	1.24E-03	O-antigen biosynthesis protein
<i>rpoN2</i>	NBC2815_01844	2.95	4.21E-06	RNA polymerase sigma-54 factor
NBC2815_01845	NBC2815_01845	2.23	3.69E-06	LuxR family two-component response regulator
NBC2815_01846	NBC2815_01846	24.94	3.40E-23	Hypothetical Protein
NBC2815_01847	NBC2815_01847	26.61	1.45E-18	Hypothetical Protein
NBC2815_01848	NBC2815_01848	40.62	5.26E-25	flagellar protein
NBC2815_01849	NBC2815_01849	28.26	3.41E-21	flagellar protein
NBC2815_01850	NBC2815_01850	43.38	3.10E-22	flagellar protein
<i>flgL</i>	NBC2815_01851	8.56	1.27E-14	flagellar hook-associated protein FlGL
<i>flgK</i>	NBC2815_01852	5.96	9.47E-12	flagellar hook-associated protein FlgK
<i>flgJ</i>	NBC2815_01853	37.95	1.37E-34	flagellar rod assembly protein/muramidase FlgJ
<i>flgI</i>	NBC2815_01854	32.73	1.52E-43	flagellar basal body P-ring protein
<i>flgH</i>	NBC2815_01855	21.63	5.73E-24	flagellar basal body L-ring protein
<i>flgG</i>	NBC2815_01856	29.92	2.80E-23	flagellar basal body rod protein FlgG
<i>flgF</i>	NBC2815_01857	32.11	4.75E-25	flagellar basal body rod protein FlgF
<i>flgE</i>	NBC2815_01858	35.57	3.92E-25	flagellar hook protein FlgE
<i>flgD</i>	NBC2815_01859	22.01	5.30E-25	flagellar basal body rod modification protein
<i>flgC</i>	NBC2815_01860	20.42	7.19E-27	flagellar basal body rod protein FlgC
<i>flgB</i>	NBC2815_01861	23.53	9.87E-40	flagellar basal body rod protein FlgB
NBC2815_01862	NBC2815_01862	18.84	1.99E-18	chemotaxis signal transduction protein
<i>flgA</i>	NBC2815_01863	19.11	2.28E-25	flagellar basal body P-ring biosynthesis protein FlgA
NBC2815_01864	NBC2815_01864	28.59	6.86E-23	negative regulator of flagellin synthesis
NBC2815_01865	NBC2815_01865	29.02	1.47E-21	Hypothetical Protein
NBC2815_01869	NBC2815_01869	8.89	3.10E-21	signal transduction protein
NBC2815_01870	NBC2815_01870	4.48	6.89E-11	signal transduction protein
NBC2815_01871	NBC2815_01871	4.53	9.51E-04	hypothetical protein
NBC2815_01872	NBC2815_01872	5.90	3.52E-07	Hypothetical Protein
NBC2815_01873	NBC2815_01873	10.29	6.92E-13	methyl-accepting chemotaxis protein
<i>clpA</i>	NBC2815_01878	5.13	1.21E-15	ATP-dependent clp protease ATP-binding subunit ClpA protein
<i>aat</i>	NBC2815_01880	2.97	4.97E-08	leucyl/phenylalanyl-tRNA--protein transferase
NBC2815_01881	NBC2815_01881	1.56	9.61E-03	Hypothetical Protein
<i>ftsK</i>	NBC2815_01883	2.17	1.17E-05	DNA translocase FtsK
NBC2815_01884	NBC2815_01884	1.96	4.88E-03	hypothetical protein
NBC2815_01885	NBC2815_01885	3.19	6.14E-12	putative secreted protein
<i>lolA</i>	NBC2815_01886	1.91	1.21E-04	Outer membrane lipoprotein-sorting protein
NBC2815_01890	NBC2815_01890	1.76	2.21E-04	VWA containing CoxE-like protein
NBC2815_01892	NBC2815_01892	-1.71	1.13E-03	3-hydroxyacyl-CoA dehydrogenase
NBC2815_01893	NBC2815_01893	-1.82	1.35E-04	TetR family transcriptional regulator
NBC2815_01900	NBC2815_01900	-1.71	4.34E-04	GTP-binding protein Der
NBC2815_01901	NBC2815_01901	-1.63	5.14E-03	molybdopterin biosynthesis
NBC2815_01903	NBC2815_01903	-1.76	2.86E-04	TonB-dependent receptor
NBC2815_01908	NBC2815_01908	1.61	3.46E-02	siroheme synthase
NBC2815_01910	NBC2815_01910	-1.89	2.32E-02	ISXo1 transposase, IS5 family
NBC2815_01912	NBC2815_01912	1.56	2.82E-02	IS1404 transposase
NBC2815_01913	NBC2815_01913	2.35	7.54E-08	integrase
NBC2815_01915	NBC2815_01915	-2.19	4.65E-05	Hypothetical Protein
NBC2815_01916	NBC2815_01916	2.83	1.37E-05	hypothetical protein
NBC2815_01919	NBC2815_01919	1.98	5.42E-05	VGR-like protein
<i>lysM</i>	NBC2815_01921	-1.66	1.07E-03	LysM domain-containing protein
NBC2815_01922	NBC2815_01922	3.75	1.51E-16	VGR-like protein
NBC2815_01923	NBC2815_01923	2.04	1.57E-04	hypothetical protein
NBC2815_01924	NBC2815_01924	3.58	3.95E-10	EF hand domain-containing protein
NBC2815_01925	NBC2815_01925	1.69	4.88E-02	VGR-like protein
NBC2815_01926	NBC2815_01926	-2.75	5.46E-11	hypothetical protein
NBC2815_01927	NBC2815_01927	-1.64	1.54E-03	hypothetical protein
NBC2815_01928	NBC2815_01928	-1.57	9.21E-03	hypothetical protein
NBC2815_01931	NBC2815_01931	1.67	5.10E-03	VGR-like protein
<i>impJ</i>	NBC2815_01933	1.54	1.51E-02	protein ImpJ
NBC2815_01934	NBC2815_01934	2.93	2.26E-10	transmembrane protein
NBC2815_01941	NBC2815_01941	1.58	7.93E-03	putative EvpG protein, Type VI secretion system
NBC2815_01946	NBC2815_01946	-4.62	6.94E-22	hypothetical protein
NBC2815_01947	NBC2815_01947	-1.75	6.04E-04	hypothetical protein
NBC2815_01948	NBC2815_01948	1.96	4.36E-06	VGR-like protein
NBC2815_01950	NBC2815_01950	-2.04	6.63E-05	ISxac3 transposase
NBC2815_01952	NBC2815_01952	-3.14	1.27E-07	ISXo1 transposase, IS5 family
NBC2815_01956	NBC2815_01956	-2.33	4.27E-02	pyridine nucleotide-disulfide oxidoreductase
NBC2815_01957	NBC2815_01957	-1.89	1.27E-02	FKBP-type peptidylprolyl isomerase
NBC2815_01958	NBC2815_01958	-1.92	4.99E-02	Hypothetical Protein
NBC2815_01959	NBC2815_01959	-1.97	1.10E-02	rhodanese superfamily protein
NBC2815_01964	NBC2815_01964	-1.86	2.65E-02	hypothetical protein
NBC2815_01966	NBC2815_01966	-3.34	4.31E-02	IS1480 transposase
NBC2815_01967	NBC2815_01967	1.62	2.99E-02	zinc transporter ZupT
NBC2815_01968	NBC2815_01968	1.54	2.21E-02	zinc transporter ZupT
NBC2815_01969	NBC2815_01969	1.98	3.21E-02	ISXac3 transposase, IS3 family
NBC2815_01971	NBC2815_01971	2.54	2.17E-06	zinc transporter ZupT
NBC2815_01973	NBC2815_01973	-1.76	8.76E-04	pterin-4-alpha-carbinolamine dehydratase /EC_number="4.2.1.96
NBC2815_01974	NBC2815_01974	1.87	6.55E-05	protein GntY
NBC2815_01975	NBC2815_01975	1.51	6.76E-03	Hypothetical Protein
NBC2815_01985	NBC2815_01985	3.66	2.87E-13	hypothetical protein
NBC2815_01986	NBC2815_01986	-1.74	3.55E-02	hypothetical protein

NBC2815_01988	NBC2815_01988	2.38	2.31E-08	phage replication protein RstA
NBC2815_01989	NBC2815_01989	3.59	1.21E-02	hypothetical protein
NBC2815_01991	NBC2815_01991	2.17	4.33E-04	L-sorbose dehydrogenase
NBC2815_01992	NBC2815_01992	3.67	1.09E-05	L-sorbose dehydrogenase
<i>motC</i>	NBC2815_01995	17.60	2.04E-20	flagellar motor protein
NBC2815_01996	NBC2815_01996	51.07	5.51E-22	flagellar motor protein MotD
NBC2815_01997	NBC2815_01997	23.68	1.79E-17	ParA family ATPase
NBC2815_01998	NBC2815_01998	28.05	5.46E-19	chemotaxis protein
NBC2815_01999	NBC2815_01999	31.44	2.16E-20	anti-sigma factor antagonist-like protein
<i>cheY1</i>	NBC2815_02000	17.69	9.86E-17	two-component system regulatory protein
<i>cheA</i>	NBC2815_02001	20.29	1.28E-17	Chemotaxis protein histidine kinase
NBC2815_02002	NBC2815_02002	9.77	5.26E-08	Hypothetical Protein
NBC2815_02003	NBC2815_02003	58.87	6.60E-38	Hypothetical Protein
NBC2815_02004	NBC2815_02004	30.70	2.72E-23	chemotaxis protein
NBC2815_02005	NBC2815_02005	12.16	5.12E-17	methyl-accepting chemotaxis protein
<i>tsr6</i>	NBC2815_02006	11.70	2.31E-15	membrane-anchored chemotaxis sensory transducer
<i>tsr</i>	NBC2815_02007	17.87	4.57E-18	chemotaxis protein
NBC2815_02008	NBC2815_02008	2.84	2.62E-07	methyl-accepting chemotaxis protein
NBC2815_02009	NBC2815_02009	14.62	4.59E-17	methyl-accepting chemotaxis protein
<i>pilZ</i>	NBC2815_02010	17.32	6.76E-10	type IV pilus assembly protein PilZ
NBC2815_02011	NBC2815_02011	2.56	1.01E-02	type IV pilus assembly protein PilZ
NBC2815_02012	NBC2815_02012	24.10	2.40E-16	chemotaxis signal transduction protein
NBC2815_02013	NBC2815_02013	16.81	2.08E-10	Hypothetical Protein
NBC2815_02014	NBC2815_02014	39.02	1.96E-22	chemotaxis protein methyltransferase
NBC2815_02015	NBC2815_02015	6.85	4.37E-18	chemoreceptor glutamine deamidase CheD
NBC2815_02016	NBC2815_02016	7.72	2.80E-17	chemotaxis-specific methyltransferase /EC_number="3.1.1.61
NBC2815_02017	NBC2815_02017	7.11	2.05E-14	c-di-GMP phosphodiesterase or signal transduction protein
<i>acnA</i>	NBC2815_02022	4.50	3.05E-15	Aconitase A
NBC2815_02023	NBC2815_02023	6.37	1.10E-18	Hypothetical Protein
<i>rpff</i>	NBC2815_02025	-1.87	1.96E-04	enoyl-CoA hydratase
<i>rpfG</i>	NBC2815_02028	-1.70	1.32E-04	response regulator
<i>lysS</i>	NBC2815_02029	-1.76	1.34E-04	lysyl-tRNA synthetase
<i>prfB</i>	NBC2815_02030	-1.92	3.17E-05	peptide chain release factor 2
<i>carB</i>	NBC2815_02034	-1.76	2.42E-03	carbamoyl-phosphate synthetase large chain protein
NBC2815_02036	NBC2815_02036	-1.75	4.72E-03	hypothetical protein
NBC2815_02038	NBC2815_02038	-1.63	7.27E-04	dihydrodipicolinate reductase /EC_number="1.17.1.8
NBC2815_02039	NBC2815_02039	2.36	9.58E-05	valine-pyruvate aminotransferase
NBC2815_02040	NBC2815_02040	2.83	2.14E-05	Hypothetical Protein
<i>feoB</i>	NBC2815_02041	3.14	5.08E-12	ferrous iron transport protein B
<i>feoA</i>	NBC2815_02042	2.62	8.02E-10	ferrous iron uptake protein
NBC2815_02043	NBC2815_02043	-1.84	1.69E-04	enoyl-CoA hydratase
NBC2815_02044	NBC2815_02044	-1.75	1.43E-03	hydroxymethylglutaryl-CoA lyase
NBC2815_02045	NBC2815_02045	-1.72	1.88E-04	3-hydroxyacyl-CoA dehydrogenase
NBC2815_02046	NBC2815_02046	-2.58	1.42E-11	elongation factor P
NBC2815_02047	NBC2815_02047	1.56	3.67E-03	Hypothetical Protein
NBC2815_02048	NBC2815_02048	1.85	3.75E-04	Hypothetical Protein
NBC2815_02052	NBC2815_02052	-2.49	4.68E-10	cationic amino acid transporter
<i>yhdG_2</i>	NBC2815_02053	-2.66	3.13E-11	cationic amino acid transporter
NBC2815_02054	NBC2815_02054	-2.06	1.23E-07	methylthioribulose-1-phosphate dehydratase
NBC2815_02055	NBC2815_02055	-1.68	2.26E-04	dioxygenase
NBC2815_02056	NBC2815_02056	-1.80	3.04E-04	enolase
NBC2815_02057	NBC2815_02057	-1.57	4.55E-03	Hypothetical Protein
NBC2815_02058	NBC2815_02058	2.08	1.97E-02	IS1478 transposase
NBC2815_02059	NBC2815_02059	1.95	1.90E-04	hypothetical protein
NBC2815_02062	NBC2815_02062	3.07	3.02E-11	imidazole glycerol phosphate synthase subunit HisF /EC_number="4.1.3.-
NBC2815_02063	NBC2815_02063	3.71	1.34E-11	1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino]imidazole-4-carboxamide isomerase /EC_number="5.3.1.1
<i>hisH</i>	NBC2815_02064	5.75	1.34E-24	imidazole glycerol phosphate synthase subunit HisH
NBC2815_02065	NBC2815_02065	4.71	4.82E-21	imidazole glycerol-phosphate dehydratase/histidinol phosphatase
<i>hisC</i>	NBC2815_02066	6.08	5.11E-29	histidinol-phosphate aminotransferase
<i>hisD</i>	NBC2815_02067	7.70	3.93E-38	bifunctional histidinal dehydrogenase/ histidinol dehydrogenase
<i>hisG</i>	NBC2815_02068	5.76	2.63E-21	ATP phosphoribosyltransferase
NBC2815_02069	NBC2815_02069	7.75	1.70E-09	TrpR-like protein YerC/YecD
NBC2815_02078	NBC2815_02078	-2.21	6.39E-06	putative plasmid stability protein
NBC2815_02083	NBC2815_02083	-6.47	4.29E-14	hypothetical protein
<i>guaA_2</i>	NBC2815_02087	-1.63	1.11E-03	GMP synthase
<i>guaB</i>	NBC2815_02088	-1.64	4.30E-03	inosine-5-monophosphate dehydrogenase
NBC2815_02089	NBC2815_02089	-1.77	3.58E-04	bifunctional 5,10-methylene-tetrahydrofolate dehydrogenase/ 5,10-methylene-tetrahydrofolate cyclohydrolase
<i>cmk</i>	NBC2815_02104	1.65	3.69E-03	cytidylate kinase
NBC2815_02110	NBC2815_02110	-1.53	8.82E-03	pheromone shutdown protein
NBC2815_02113	NBC2815_02113	-1.58	2.50E-03	sugar ABC transporter permease
<i>malE</i>	NBC2815_02115	-1.88	5.26E-05	sugar ABC transporter substrate-binding protein
NBC2815_02118	NBC2815_02118	1.51	2.23E-02	LacI family transcriptional regulator
<i>scpA</i>	NBC2815_02121	2.83	2.21E-11	segregation and condensation protein A
NBC2815_02122	NBC2815_02122	1.76	1.83E-04	transcriptional regulator containing the HTH domain protein
NBC2815_02123	NBC2815_02123	1.66	4.24E-03	pseudouridylate synthase
NBC2815_02126	NBC2815_02126	-2.61	7.21E-07	hydrolase
<i>ybdL</i>	NBC2815_02127	-2.58	4.25E-11	aminotransferase
<i>ccmA</i>	NBC2815_02128	-2.44	1.06E-06	cytochrome c biogenesis protein CcmA
NBC2815_02129	NBC2815_02129	-2.27	4.92E-04	heme exporter protein CcmB
<i>ccmD2</i>	NBC2815_02131	-1.93	2.95E-02	heme exporter protein D (c-type cytochrome biogenesis protein CcmD)
NBC2815_02132	NBC2815_02132	-2.37	5.86E-06	cytochrome c-type biogenesis protein CcmE
NBC2815_02133	NBC2815_02133	-1.78	1.97E-04	C-type cytochrome biogenesis membrane protein
NBC2815_02134	NBC2815_02134	-4.00	1.34E-18	C-type cytochrome biogenesis protein/thioredoxin
NBC2815_02135	NBC2815_02135	-3.39	3.00E-12	C-type cytochrome biogenesis protein
<i>cycH</i>	NBC2815_02136	-1.58	4.52E-02	C-type cytochrome biogenesis protein
NBC2815_02139	NBC2815_02139	-2.55	3.82E-02	IS1478 transposase
NBC2815_02144	NBC2815_02144	5.58	1.36E-14	methyl-accepting chemotaxis protein
NBC2815_02145	NBC2815_02145	2.38	9.60E-07	Hypothetical Protein
NBC2815_02146	NBC2815_02146	2.82	1.32E-07	Hypothetical Protein
NBC2815_02148	NBC2815_02148	1.67	5.92E-04	lipoprotein
<i>surE</i>	NBC2815_02150	-1.56	2.76E-03	stationary phase survival protein SurE
<i>truD</i>	NBC2815_02152	-1.66	1.05E-02	tRNA pseudouridine synthase D
<i>ispF</i>	NBC2815_02153	-1.94	1.17E-02	2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase
<i>ispD</i>	NBC2815_02154	-2.43	1.90E-10	2-C-methyl-D-erythritol 4-phosphate cytidyltransferase

<i>ftsB</i>	NBC2815_02155	-4.02	1.70E-22	cell division protein FtsB
<i>eno</i>	NBC2815_02156	-3.44	3.36E-14	phosphopyruvate hydratase
NBC2815_02159	NBC2815_02159	4.83	3.91E-17	Hypothetical Protein
NBC2815_02160	NBC2815_02160	-3.33	0.00E+00	DNA topoisomerase IV subunit B /EC_number="5.99.1.-
NBC2815_02164	NBC2815_02164	-1.72	1.34E-04	pit accessory protein
NBC2815_02165	NBC2815_02165	1.63	5.09E-03	hemolysin
NBC2815_02166	NBC2815_02166	10.76	1.45E-27	exopolysaccharide synthesis protein exoD
NBC2815_02167	NBC2815_02167	13.21	1.93E-36	monooxygenase
NBC2815_02172	NBC2815_02172	1.52	1.93E-02	cytochrome C
NBC2815_02174	NBC2815_02174	2.17	6.25E-05	Hypothetical Protein
<i>rpoE4</i>	NBC2815_02175	4.17	6.07E-12	RNA polymerase ECF-type sigma factor
NBC2815_02176	NBC2815_02176	2.59	7.96E-06	Hypothetical Protein
NBC2815_02177	NBC2815_02177	4.10	3.23E-16	serine protease
NBC2815_02178	NBC2815_02178	2.92	2.85E-05	cytochrome C-type biogenesis protein
NBC2815_02181	NBC2815_02181	1.80	3.60E-02	C-type cytochrome biogenesis protein
NBC2815_02182	NBC2815_02182	2.12	8.09E-07	IS1389 transposase
NBC2815_02184	NBC2815_02184	3.72	6.50E-05	IS1404 transposase
NBC2815_02185	NBC2815_02185	2.05	8.98E-04	IS1480 transposase
NBC2815_02186	NBC2815_02186	1.94	2.42E-02	transposase
NBC2815_02188	NBC2815_02188	1.86	3.50E-02	tis1421-transposase b
<i>thrC</i>	NBC2815_02190	-2.11	2.30E-06	threonine synthase
NBC2815_02191	NBC2815_02191	1.91	1.48E-03	tannase
<i>thrB</i>	NBC2815_02193	2.23	9.61E-07	homoserine kinase
NBC2815_02196	NBC2815_02196	2.29	2.48E-02	IS1404 transposase protein B
NBC2815_02201	NBC2815_02201	-3.11	1.36E-03	integrase/recombinase
NBC2815_02203	NBC2815_02203	-1.81	6.25E-04	DNA helicase-like protein
NBC2815_02204	NBC2815_02204	-1.50	1.44E-02	hypothetical protein
NBC2815_02208	NBC2815_02208	-2.13	2.22E-06	piperidine-6-carboxylate dehydrogenase
NBC2815_02210	NBC2815_02210	-1.95	2.58E-05	putative methyltransferase
NBC2815_02211	NBC2815_02211	-2.12	1.32E-06	dihydroorotate dehydrogenase 2 /EC_number="1.3.98.1
<i>murB</i>	NBC2815_02212	-1.72	3.25E-04	UDP-N-acetylenolpyruvoylglucosamine reductase
<i>ispG</i>	NBC2815_02216	-1.78	2.14E-03	4-hydroxy-3-methylbut-2-en-1-yl diphosphate synthase
NBC2815_02218	NBC2815_02218	-2.02	1.47E-03	two-component system regulatory protein
NBC2815_02219	NBC2815_02219	2.21	2.58E-04	putative LysR family transcriptional regulator
NBC2815_02220	NBC2815_02220	4.73	1.49E-13	phosphodiesterase
NBC2815_02224	NBC2815_02224	-2.22	4.66E-03	transposase
NBC2815_02225	NBC2815_02225	-3.38	9.13E-05	Hypothetical Protein
NBC2815_02227	NBC2815_02227	-1.99	1.54E-03	Hypothetical Protein
<i>sgtT</i>	NBC2815_02228	-4.65	1.35E-30	sodium/glucose cotransport protein
<i>celD</i>	NBC2815_02229	-3.38	2.11E-13	glucan 1,4-beta-glucosidase precursor
NBC2815_02231	NBC2815_02231	-1.92	6.05E-04	type IV secretion system protein VirD4
NBC2815_02232	NBC2815_02232	-6.90	1.35E-15	hypothetical protein
NBC2815_02233	NBC2815_02233	-5.26	6.96E-06	hypothetical protein
<i>panD</i>	NBC2815_02237	-2.98	9.00E-13	aspartate alpha-decarboxylase
NBC2815_02244	NBC2815_02244	-7.62	1.66E-15	GTP cyclohydrolase
<i>xylE</i>	NBC2815_02245	-5.51	3.00E-22	MFS transporter
NBC2815_02246	NBC2815_02246	-7.47	0.00E+00	xylose isomerase /EC_number="5.3.1.5
NBC2815_02247	NBC2815_02247	-5.26	5.20E-31	D-xylulokinase
NBC2815_02248	NBC2815_02248	-4.30	0.00E+00	Hypothetical Protein
NBC2815_02251	NBC2815_02251	2.97	8.21E-06	sialic acid-specific 9-O-acetyltransferase
NBC2815_02252	NBC2815_02252	2.63	9.24E-11	TonB-dependent outer membrane receptor
NBC2815_02253	NBC2815_02253	1.61	2.09E-03	IS1478 transposase
NBC2815_02257	NBC2815_02257	2.17	3.52E-04	relaxation protein
<i>dgoA</i>	NBC2815_02259	8.53	1.41E-17	2-dehydro-3-deoxy-6-phosphogalactonate aldolase
NBC2815_02260	NBC2815_02260	3.88	1.71E-12	galactonate dehydratase
NBC2815_02261	NBC2815_02261	1.99	6.17E-04	regucalcin
<i>dgoK</i>	NBC2815_02262	3.06	5.11E-09	2-oxo-3-deoxygalactonate kinase
NBC2815_02265	NBC2815_02265	2.09	1.22E-05	dihydrodipicolinate synthase /EC_number="4.3.3.7
<i>gcvR</i>	NBC2815_02266	-4.15	3.80E-20	glycine cleavage system transcriptional repressor
NBC2815_02267	NBC2815_02267	-3.60	1.55E-17	Hypothetical Protein
NBC2815_02268	NBC2815_02268	-2.29	4.13E-09	bacterioferritin comigratory protein
NBC2815_02269	NBC2815_02269	-6.44	1.04E-37	PhoH-like protein
NBC2815_02270	NBC2815_02270	-7.18	7.40E-29	Hypothetical Protein
NBC2815_02271	NBC2815_02271	-1.67	1.21E-02	phosphomethylpyrimidine kinase /EC_number="2.7.4.7
NBC2815_02276	NBC2815_02276	-2.05	9.07E-04	transcriptional regulator
NBC2815_02280	NBC2815_02280	3.46	2.62E-11	carbon storage regulator
<i>tldD</i>	NBC2815_02287	4.54	1.14E-07	modulator of DNA gyrase
NBC2815_02289	NBC2815_02289	1.78	2.37E-03	Pectate lyase precursor /EC_number="4.2.2.2
NBC2815_02290	NBC2815_02290	2.95	7.40E-06	secreted protein
NBC2815_02291	NBC2815_02291	1.98	1.07E-03	cointegrate resolution protein T (fragment)
NBC2815_02293	NBC2815_02293	-1.64	1.72E-02	IS1478 transposase
NBC2815_02298	NBC2815_02298	2.49	6.87E-04	hypothetical protein
NBC2815_02299	NBC2815_02299	3.04	7.02E-08	cointegrate resolution protein T (fragment)
<i>tnpA_2</i>	NBC2815_02303	1.70	7.87E-03	Tn5044 transposase
<i>tnpA_3</i>	NBC2815_02304	2.88	7.05E-12	Tn5044 transposase
NBC2815_02308	NBC2815_02308	-2.08	2.85E-04	competence-damaged protein
NBC2815_02309	NBC2815_02309	-2.17	2.07E-06	GTP-binding protein
<i>hfq</i>	NBC2815_02310	-4.76	6.03E-21	RNA-binding protein Hfq
<i>hflB</i>	NBC2815_02313	2.44	7.08E-06	cell division protein
<i>ftsJ</i>	NBC2815_02314	2.32	4.89E-06	cell division protein
NBC2815_02317	NBC2815_02317	1.56	1.62E-02	transposase
NBC2815_02321	NBC2815_02321	1.82	2.34E-03	IS1404 transposase protein B
NBC2815_02326	NBC2815_02326	2.77	2.68E-02	IS1478 transposase
NBC2815_02332	NBC2815_02332	3.36	2.90E-06	hypothetical protein
NBC2815_02333	NBC2815_02333	1.90	6.43E-03	VGR-like protein
NBC2815_02336	NBC2815_02336	1.89	8.34E-03	hypothetical protein
NBC2815_02337	NBC2815_02337	3.14	1.34E-05	Rhs element Vgr protein
NBC2815_02341	NBC2815_02341	3.24	1.27E-06	hypothetical protein
NBC2815_02342	NBC2815_02342	7.08	3.15E-10	VGR-like protein
NBC2815_02344	NBC2815_02344	-2.70	2.35E-04	hypothetical protein
NBC2815_02345	NBC2815_02345	1.85	2.91E-02	hypothetical protein
NBC2815_02346	NBC2815_02346	2.42	3.87E-06	Rhs element Vgr protein
NBC2815_02347	NBC2815_02347	-3.24	1.16E-13	sulfatase modifying factor 1 (C-alpha-formylglycine-generating enzyme 1)
NBC2815_02349	NBC2815_02349	11.84	3.97E-32	Rhs element Vgr protein

NBC2815_02351	NBC2815_02351	-2.70	6.12E-06	hypothetical protein
NBC2815_02352	NBC2815_02352	2.10	9.63E-03	hypothetical protein
NBC2815_02353	NBC2815_02353	4.53	1.23E-06	VGR-related protein
NBC2815_02355	NBC2815_02355	-3.08	1.42E-10	lipoprotein
NBC2815_02357	NBC2815_02357	1.79	2.29E-03	Rhs element Vgr protein
NBC2815_02358	NBC2815_02358	1.64	2.78E-03	membrane protein
NBC2815_02360	NBC2815_02360	-1.85	7.44E-05	OmpA family domain-containing protein
NBC2815_02361	NBC2815_02361	-1.57	3.64E-03	hypothetical protein
NBC2815_02363	NBC2815_02363	1.72	3.28E-03	transmembrane protein
NBC2815_02364	NBC2815_02364	-1.86	1.26E-05	paar motif family protein
NBC2815_02365	NBC2815_02365	1.76	9.58E-04	transmembrane protein
NBC2815_02367	NBC2815_02367	2.17	9.80E-06	RhsD protein
NBC2815_02368	NBC2815_02368	-4.27	3.26E-07	hypothetical protein
NBC2815_02369	NBC2815_02369	-1.60	9.70E-03	RhsD protein
NBC2815_02370	NBC2815_02370	-5.99	2.56E-29	hypothetical protein
NBC2815_02371	NBC2815_02371	-4.93	1.19E-23	hypothetical protein
NBC2815_02374	NBC2815_02374	2.53	7.40E-08	hypothetical protein
NBC2815_02375	NBC2815_02375	2.13	4.60E-05	Rhs element Vgr protein
NBC2815_02380	NBC2815_02380	17.92	6.26E-06	hypothetical protein
xerC_1	NBC2815_02381	1.87	2.52E-02	Integrase
NBC2815_02382	NBC2815_02382	1.52	6.43E-03	phage-related integrase
NBC2815_02383	NBC2815_02383	2.44	2.86E-09	IS1480 transposase
NBC2815_02393	NBC2815_02393	-1.58	2.08E-03	ABC transporter ATP-binding protein
NBC2815_02395	NBC2815_02395	-1.84	1.32E-05	biopolymer transport protein
NBC2815_02397	NBC2815_02397	1.73	5.92E-04	aldo-keto reductase family protein
lolC	NBC2815_02399	-1.72	8.10E-04	ABC transporter-type lipoprotein-releasing protein
NBC2815_02411	NBC2815_02411	-1.56	3.18E-03	phosphogluconate dehydratase /EC_number="4.2.1.12
NBC2815_02412	NBC2815_02412	-1.79	3.05E-05	keto-hydroxyglutarate-aldolase/keto-deoxy- phosphogluconate aldolase
NBC2815_02421	NBC2815_02421	1.63	5.68E-03	two-component system sensor protein
tex	NBC2815_02422	2.68	5.00E-08	transcription-like protein
NBC2815_02423	NBC2815_02423	4.14	4.21E-16	Hypothetical Protein
NBC2815_02424	NBC2815_02424	27.27	5.04E-06	FAD dependent oxidoreductase
NBC2815_02425	NBC2815_02425	6.42	2.18E-05	FAD dependent oxidoreductase
NBC2815_02426	NBC2815_02426	3.24	1.10E-08	Hypothetical Protein
NBC2815_02427	NBC2815_02427	2.40	1.02E-05	Hypothetical Protein
pssA_2	NBC2815_02430	1.55	2.43E-02	CDP-diacylglycerol-serine o-phosphatidyltransferase
NBC2815_02432	NBC2815_02432	1.54	1.50E-02	Hypothetical Protein
NBC2815_02433	NBC2815_02433	1.81	7.04E-04	GTP-binding protein
NBC2815_02435	NBC2815_02435	1.58	1.24E-03	small conductance mechanosensitive ion channel
NBC2815_02436	NBC2815_02436	-1.87	2.75E-05	oligoribonuclease /EC_number="3.1.-.-
tadA	NBC2815_02437	1.59	1.13E-02	putative tRNA-specific adenosine deaminase
NBC2815_02438	NBC2815_02438	-1.62	2.86E-02	manganese transport regulator MntR
smf2	NBC2815_02439	2.92	8.16E-06	manganese transport protein MntH
NBC2815_02443	NBC2815_02443	2.31	1.68E-05	Hypothetical Protein
NBC2815_02455	NBC2815_02455	-2.89	1.17E-11	DNA helicase-like protein
proA	NBC2815_02459	-2.96	1.56E-15	gamma-glutamyl phosphate reductase
NBC2815_02462	NBC2815_02462	-2.88	1.55E-03	cupin
argH	NBC2815_02463	-2.12	2.92E-06	argininosuccinate lyase
NBC2815_02470	NBC2815_02470	1.60	3.13E-03	Hypothetical Protein
cysS	NBC2815_02471	-1.58	2.78E-03	cysteinyI-tRNA synthetase
NBC2815_02472	NBC2815_02472	-3.21	1.26E-11	SufE protein involved in Fe-S center assembly
NBC2815_02473	NBC2815_02473	2.90	3.58E-10	drug:proton antiporter
dksA	NBC2815_02474	-1.54	1.38E-02	DnaK supressor
NBC2815_02475	NBC2815_02475	-1.54	6.06E-03	dihydroorotase /EC_number="3.5.2.3
NBC2815_02477	NBC2815_02477	-1.87	2.08E-02	ISXo1 transposase, ISS family
NBC2815_02478	NBC2815_02478	1.93	4.97E-05	general stress protein
NBC2815_02480	NBC2815_02480	1.85	2.05E-04	Hypothetical Protein
NBC2815_02481	NBC2815_02481	2.00	2.98E-03	pectate lyase
NBC2815_02482	NBC2815_02482	2.94	2.00E-08	polygalacturonase
NBC2815_02483	NBC2815_02483	-2.18	1.21E-03	Phytoene/squalene synthetase
cbbZ	NBC2815_02484	-1.80	4.07E-03	phosphoglycolate phosphatase
NBC2815_02485	NBC2815_02485	-1.98	1.15E-06	bifunctional 3-demethylubiquinone-9 3-methyltransferase/ 2-octaprenyl-6-hydroxy phenol methylase
NBC2815_02486	NBC2815_02486	-1.57	9.87E-04	N-ethylammelne chlorohydrolase
NBC2815_02487	NBC2815_02487	-1.85	2.74E-05	Hypothetical Protein
efP	NBC2815_02488	-3.55	3.58E-16	elongation factor P
NBC2815_02490	NBC2815_02490	-2.24	3.09E-06	tRNA/rRNA methyltransferase
NBC2815_02492	NBC2815_02492	-2.85	4.75E-08	superoxide dismutase
NBC2815_02493	NBC2815_02493	2.52	1.72E-06	ribonuclease
NBC2815_02494	NBC2815_02494	1.92	3.78E-04	Hypothetical Protein
NBC2815_02495	NBC2815_02495	-1.64	1.22E-03	ABC transporter ATP-binding protein
NBC2815_02498	NBC2815_02498	3.24	3.62E-16	Hypothetical Protein
NBC2815_02506	NBC2815_02506	4.61	3.72E-12	heat shock protein HtpX
phbB	NBC2815_02508	-1.88	1.64E-04	acetoacetyl-CoA reductase
phaR	NBC2815_02509	-3.90	8.49E-23	polyhydroxyalkanoate synthesis repressor PhaR
NBC2815_02510	NBC2815_02510	-2.81	1.28E-12	GumN protein
NBC2815_02511	NBC2815_02511	-2.69	5.26E-11	lipoprotein
mutL	NBC2815_02512	-1.77	4.46E-05	DNA mismatch repair protein
NBC2815_02514	NBC2815_02514	-1.91	6.40E-05	ATPase or kinase
mmuP	NBC2815_02524	2.07	1.11E-05	putative S-methylmethionine transporter
NBC2815_02525	NBC2815_02525	-2.51	2.82E-10	hypothetical protein
metG	NBC2815_02526	-1.93	7.35E-06	methionyl-tRNA synthetase
serB	NBC2815_02527	-2.74	1.21E-11	Phosphoserine phosphatase
NBC2815_02530	NBC2815_02530	1.52	8.81E-03	Hypothetical Protein
NBC2815_02536	NBC2815_02536	-1.86	2.01E-05	cyclopropane-fatty-acyl-phospholipid synthase
NBC2815_02541	NBC2815_02541	-4.13	2.18E-19	endoribonuclease L-PSP
NBC2815_02544	NBC2815_02544	2.71	1.33E-03	hypothetical protein
NBC2815_02547	NBC2815_02547	1.72	2.82E-02	Hypothetical Protein
NBC2815_02548	NBC2815_02548	1.97	3.89E-05	Hypothetical Protein
NBC2815_02549	NBC2815_02549	11.92	4.56E-32	arabinose efflux porter
nerA	NBC2815_02550	6.56	8.87E-19	GTN reductase
NBC2815_02551	NBC2815_02551	6.42	1.55E-21	alkylphosphonate utilization operon protein PhnA
NBC2815_02552	NBC2815_02552	3.97	1.39E-14	cation diffusion facilitator family protein
NBC2815_02554	NBC2815_02554	2.08	1.21E-05	Hypothetical Protein
xopD_1	NBC2815_02558	1.52	1.20E-02	outer protein D

NBC2815_02560	NBC2815_02560	1.65	1.49E-03	diadenosine tetraphosphate hydrolase
NBC2815_02561	NBC2815_02561	-3.01	2.97E-08	Hypothetical Protein
NBC2815_02562	NBC2815_02562	-1.76	6.19E-04	Hypothetical Protein
<i>dcd</i>	NBC2815_02563	-2.03	9.23E-07	deoxycytidine triphosphate deaminase
NBC2815_02567	NBC2815_02567	-2.77	3.70E-09	metallopeptidase
NBC2815_02568	NBC2815_02568	-3.71	0.00E+00	metallopeptidase
NBC2815_02573	NBC2815_02573	-1.61	3.34E-03	peptidyl-prolyl cis-trans isomerase
NBC2815_02575	NBC2815_02575	-1.79	2.77E-03	outer membrane lipoprotein
NBC2815_02581	NBC2815_02581	-2.22	7.74E-04	IS1478 transposase
NBC2815_02585	NBC2815_02585	-2.76	2.21E-03	IS5 transposase
NBC2815_02586	NBC2815_02586	1.55	2.82E-02	transposase, fragment
NBC2815_02589	NBC2815_02589	2.10	3.12E-06	phage-related integrase
NBC2815_02591	NBC2815_02591	5.47	1.86E-18	transcriptional regulator
NBC2815_02592	NBC2815_02592	-1.62	1.20E-03	seryl-tRNA ligase /EC_number="6.1.1.11
NBC2815_02593	NBC2815_02593	1.90	9.43E-06	TonB-like protein
NBC2815_02594	NBC2815_02594	6.97	9.58E-26	TonB-like protein
NBC2815_02595	NBC2815_02595	1.93	1.47E-04	3-phosphoshikimate 1-carboxyvinyltransferase /EC_number="2.5.1.19
NBC2815_02596	NBC2815_02596	-1.58	4.25E-03	P-protein
NBC2815_02598	NBC2815_02598	1.71	4.23E-04	sulfite oxidase subunit YedY
<i>rpjN</i>	NBC2815_02604	-2.91	7.26E-08	regulator of pathogenicity factors
<i>secF</i>	NBC2815_02605	-1.79	6.22E-04	preprotein translocase subunit SecF
NBC2815_02610	NBC2815_02610	2.66	4.99E-09	AsnC family transcriptional regulator
NBC2815_02612	NBC2815_02612	2.43	2.86E-07	Hypothetical Protein
NBC2815_02617	NBC2815_02617	-2.39	3.32E-09	gamma-glutamyltranspeptidase
NBC2815_02618	NBC2815_02618	-4.29	1.87E-25	ferredoxin
NBC2815_02619	NBC2815_02619	-4.06	0.00E+00	Hypothetical Protein
<i>coaD</i>	NBC2815_02620	-1.83	1.61E-04	phosphopantetheine adenylyltransferase
NBC2815_02622	NBC2815_02622	-1.58	2.54E-02	heat shock protein 90
NBC2815_02623	NBC2815_02623	1.87	4.16E-03	IS1595 transposase
<i>phaZ</i>	NBC2815_02624	1.71	2.86E-03	Poly-beta-hydroxyalkanoate depolymerase
NBC2815_02626	NBC2815_02626	2.17	1.48E-04	Hypothetical Protein
NBC2815_02627	NBC2815_02627	-2.00	1.25E-02	ISXo1 transposase, IS5 family
NBC2815_02628	NBC2815_02628	1.74	4.20E-02	integrase, catalytic region
NBC2815_02629	NBC2815_02629	1.63	2.82E-02	small domain family methyltransferase
<i>phoA</i>	NBC2815_02631	-1.80	1.10E-05	alkaline phosphatase precursor
<i>mesJ</i>	NBC2815_02632	-2.03	3.76E-03	cell cycle protein
NBC2815_02633	NBC2815_02633	-1.89	7.43E-04	exodeoxyribonuclease VII small subunit /EC_number="3.1.11.6
NBC2815_02634	NBC2815_02634	-1.62	1.20E-03	geranyltranstransferase
NBC2815_02635	NBC2815_02635	1.83	2.16E-04	extracellular protease
NBC2815_02636	NBC2815_02636	1.69	1.17E-03	Hypothetical Protein
NBC2815_02637	NBC2815_02637	3.34	2.83E-11	modulator of DNA gyrase; peptidase U62 protein PmbA
NBC2815_02638	NBC2815_02638	1.75	7.67E-04	Hypothetical Protein
NBC2815_02639	NBC2815_02639	3.19	1.20E-08	TldD protein
NBC2815_02650	NBC2815_02650	-2.40	2.53E-08	Hypothetical Protein
NBC2815_02657	NBC2815_02657	5.50	2.39E-11	Hypothetical Protein
<i>hpa2</i>	NBC2815_02658	3.71	7.05E-14	type III secretion-system related transglycosylase
<i>hpa1</i>	NBC2815_02659	5.23	3.23E-07	Hpa1 protein
NBC2815_02660	NBC2815_02660	1.86	3.19E-04	HrcC protein
NBC2815_02661	NBC2815_02661	3.36	6.12E-12	HrpB8 protein
NBC2815_02662	NBC2815_02662	2.51	1.20E-07	HrpB7 protein
NBC2815_02663	NBC2815_02663	3.58	2.03E-11	type III secretion system ATPase
NBC2815_02664	NBC2815_02664	3.97	3.16E-13	type III secretion system protein HrpB
NBC2815_02665	NBC2815_02665	4.43	2.56E-14	HrpB4 protein
NBC2815_02666	NBC2815_02666	5.25	1.76E-14	HrcJ protein
<i>hrpB2</i>	NBC2815_02667	3.38	3.62E-07	protein HrpB2
NBC2815_02668	NBC2815_02668	3.30	2.14E-06	HrpB1 protein
NBC2815_02669	NBC2815_02669	6.25	1.18E-20	type III secretion system protein HrcU
NBC2815_02670	NBC2815_02670	3.59	2.27E-09	HrcV protein
<i>hpaP</i>	NBC2815_02671	4.19	3.92E-13	type III secretion control protein HpaP
NBC2815_02672	NBC2815_02672	3.75	3.61E-13	HrcQ protein
<i>hrcR</i>	NBC2815_02673	2.41	3.22E-07	type III secretion system protein
NBC2815_02674	NBC2815_02674	3.03	6.66E-10	HrcS protein
NBC2815_02675	NBC2815_02675	2.86	5.50E-08	HpaA protein
NBC2815_02676	NBC2815_02676	3.29	1.13E-07	HrpD5 protein
NBC2815_02678	NBC2815_02678	1.79	4.53E-02	hypothetical protein
<i>hpaB</i>	NBC2815_02679	2.72	8.91E-06	HpaB protein, type III secretion system
<i>hrpW</i>	NBC2815_02680	2.52	3.90E-05	HrpW protein
NBC2815_02681	NBC2815_02681	2.63	5.39E-08	Hypothetical Protein
<i>hpa3_1</i>	NBC2815_02683	2.42	1.27E-07	Hpa3 protein, type III secretion system
NBC2815_02684	NBC2815_02684	-2.84	2.00E-08	Hypothetical Protein
NBC2815_02689	NBC2815_02689	-1.69	1.12E-03	lipoprotein
NBC2815_02691	NBC2815_02691	2.21	1.71E-06	tis1421-transposase a
NBC2815_02692	NBC2815_02692	2.57	2.43E-02	transposase
NBC2815_02693	NBC2815_02693	1.87	3.83E-05	ABC transporter ATP-binding protein
<i>yji094C</i>	NBC2815_02695	-1.66	1.37E-03	cation:proton antiporter
NBC2815_02699	NBC2815_02699	-3.06	3.78E-02	GAF domain-containing protein
NBC2815_02702	NBC2815_02702	2.31	1.10E-04	putative signal protein with PAS(PAC), GGDEF and EAL domains
<i>rpoE5</i>	NBC2815_02704	15.95	1.14E-03	RNA polymerase ECF-type sigma factor
NBC2815_02705	NBC2815_02705	-1.92	4.62E-04	Hypothetical Protein
NBC2815_02708	NBC2815_02708	1.52	5.66E-03	Hypothetical Protein
NBC2815_02709	NBC2815_02709	2.10	4.96E-04	Hypothetical Protein
NBC2815_02712	NBC2815_02712	-1.67	8.23E-04	phosphodiesterase-nucleotide pyrophosphatase
NBC2815_02713	NBC2815_02713	-4.53	1.72E-18	Hypothetical Protein
<i>phuR_1</i>	NBC2815_02715	-2.36	2.17E-06	Outer membrane hemin receptor
<i>fhua_1</i>	NBC2815_02718	4.00	5.12E-08	TonB-dependent receptor
<i>fhua_2</i>	NBC2815_02719	4.98	7.79E-10	TonB-dependent receptor
NBC2815_02720	NBC2815_02720	3.74	8.69E-08	extracellular serine protease
NBC2815_02721	NBC2815_02721	5.33	8.57E-15	lipoprotein
NBC2815_02722	NBC2815_02722	3.92	1.07E-18	serine protease
NBC2815_02723	NBC2815_02723	2.22	1.35E-06	serine protease
NBC2815_02724	NBC2815_02724	2.53	9.39E-06	Hypothetical Protein
NBC2815_02725	NBC2815_02725	2.15	5.05E-07	Hypothetical Protein
NBC2815_02726	NBC2815_02726	15.10	3.83E-13	cellulase
NBC2815_02728	NBC2815_02728	3.39	1.29E-12	FUR family transcriptional regulator

NBC2815_02732	NBC2815_02732	7.19	6.93E-41	cysteine protease
NBC2815_02734	NBC2815_02734	2.22	1.35E-06	N-acetyltransferase family protein
<i>mutS</i>	NBC2815_02736	-1.53	3.97E-03	DNA mismatch repair protein MutS
NBC2815_02737	NBC2815_02737	8.41	1.40E-23	catalase/hydroperoxidase HPI(I)
NBC2815_02739	NBC2815_02739	1.65	1.00E-02	tis1421-transposase b
NBC2815_02740	NBC2815_02740	2.27	2.46E-08	IS1404 transposase
NBC2815_02743	NBC2815_02743	-1.86	3.71E-02	Hypothetical Protein
<i>gpmA</i>	NBC2815_02745	-1.75	4.29E-04	phosphoglycerate mutase
NBC2815_02746	NBC2815_02746	4.74	1.88E-07	hypothetical protein
NBC2815_02748	NBC2815_02748	-5.11	8.84E-10	hypothetical protein
NBC2815_02750	NBC2815_02750	4.11	5.50E-17	tis1421-transposase b
NBC2815_02751	NBC2815_02751	11.12	1.83E-27	pirin
<i>cstA_1</i>	NBC2815_02753	2.17	7.18E-06	carbon starvation protein A
NBC2815_02760	NBC2815_02760	6.43	1.74E-17	Hypothetical Protein
NBC2815_02761	NBC2815_02761	4.41	8.72E-06	hypothetical protein
NBC2815_02762	NBC2815_02762	4.35	1.99E-19	putative xanthine dehydrogenase accessory factor XdhC
NBC2815_02763	NBC2815_02763	3.63	1.39E-14	oxidoreductase
NBC2815_02764	NBC2815_02764	1.66	1.07E-03	Response regulator
<i>ssb</i>	NBC2815_02765	-2.52	2.13E-10	single-stranded DNA-binding protein
NBC2815_02767	NBC2815_02767	1.89	7.54E-04	dienelactone hydrolase family protein
<i>murD</i>	NBC2815_02768	-1.88	1.87E-05	UDP-N-acetylmuramoyl-L-alanyl-D-glutamate synthetase
NBC2815_02769	NBC2815_02769	-1.75	3.41E-04	Hypothetical Protein
NBC2815_02771	NBC2815_02771	-1.76	4.98E-04	bifunctional aspartate kinase/diaminopimelate decarboxylase
NBC2815_02774	NBC2815_02774	3.73	1.24E-10	rickettsia 17 kDa surface antigen family protein
<i>pyrB</i>	NBC2815_02776	-1.91	4.40E-06	aspartate carbamoyltransferase catalytic subunit
NBC2815_02779	NBC2815_02779	2.00	1.09E-02	DNA-3-methyladenine glycosylase I
<i>pilU</i>	NBC2815_02782	-1.64	3.55E-04	twitching motility protein
<i>pilT</i>	NBC2815_02783	-1.93	6.55E-05	type IV pilus assembly protein PilT
NBC2815_02784	NBC2815_02784	-1.52	1.06E-02	TIM-barrel fold containing protein
NBC2815_02786	NBC2815_02786	-4.75	0.00E+00	histone-like protein
NBC2815_02788	NBC2815_02788	5.89	3.69E-23	Hypothetical Protein
NBC2815_02789	NBC2815_02789	2.34	8.33E-07	Hypothetical Protein
NBC2815_02790	NBC2815_02790	-2.96	4.49E-13	nuclear protein SET
NBC2815_02791	NBC2815_02791	5.13	5.75E-17	transcriptional regulator
NBC2815_02792	NBC2815_02792	4.31	4.10E-14	cysteine desulfurase activator complex subunit SufB
NBC2815_02793	NBC2815_02793	3.51	6.62E-10	ABC transporter ATP-binding protein
NBC2815_02794	NBC2815_02794	4.89	6.59E-14	ABC transporter permease
NBC2815_02795	NBC2815_02795	3.38	8.25E-09	cysteine desulfurase
<i>fhuA_3</i>	NBC2815_02799	5.34	1.17E-20	TonB-dependent receptor
NBC2815_02800	NBC2815_02800	7.05	3.51E-13	Fe(II)-dependent oxygenase superfamily protein
NBC2815_02801	NBC2815_02801	4.84	3.73E-13	TPR repeat protein
NBC2815_02805	NBC2815_02805	-1.93	9.76E-03	Hypothetical Protein
NBC2815_02806	NBC2815_02806	-19.21	0.00E+00	ComEA-related DNA uptake protein
NBC2815_02809	NBC2815_02809	-1.68	1.40E-03	phosphotransferase
NBC2815_02811	NBC2815_02811	1.59	2.05E-03	replication related protein
NBC2815_02814	NBC2815_02814	-2.00	1.11E-06	phosphoribosylaminoimidazole synthetase
NBC2815_02816	NBC2815_02816	1.53	2.37E-02	Hypothetical Protein
NBC2815_02820	NBC2815_02820	-1.81	1.95E-03	Hypothetical Protein
<i>murA</i>	NBC2815_02821	-1.90	2.61E-06	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
NBC2815_02822	NBC2815_02822	-2.41	6.54E-05	transcription regulator BolA
NBC2815_02823	NBC2815_02823	1.61	3.02E-03	polysialic acid capsule expression protein
NBC2815_02824	NBC2815_02824	1.82	2.69E-05	phosphatase, YrbI family
NBC2815_02831	NBC2815_02831	-1.54	2.85E-03	hpr kinase/phosphorylase
NBC2815_02840	NBC2815_02840	-3.62	4.16E-19	hypothetical protein
NBC2815_02841	NBC2815_02841	-1.76	1.05E-03	Hypothetical Protein
NBC2815_02842	NBC2815_02842	-2.33	1.27E-07	type IV secretion system protein VirD4
<i>glk_2</i>	NBC2815_02843	1.58	4.57E-03	glucokinase
<i>iroN_1</i>	NBC2815_02845	-1.69	3.28E-03	TonB-dependent receptor
NBC2815_02847	NBC2815_02847	-2.53	2.46E-08	glycosyl hydrolase
NBC2815_02854	NBC2815_02854	-7.44	0.00E+00	putative secreted protein
NBC2815_02858	NBC2815_02858	-2.88	2.52E-11	secreted protein
NBC2815_02863	NBC2815_02863	-2.37	1.87E-07	aminopeptidase
<i>purA</i>	NBC2815_02864	-1.66	6.26E-04	Adenylosuccinate synthase
<i>dnaJ2</i>	NBC2815_02869	1.69	1.77E-02	chaperone protein
NBC2815_02871	NBC2815_02871	2.06	5.77E-06	peroxiredoxin
<i>prpF</i>	NBC2815_02877	-2.02	2.65E-06	AcnD-accessory protein PrpF
<i>prpR</i>	NBC2815_02881	-1.55	9.93E-03	propionate catabolism regulatory protein
NBC2815_02885	NBC2815_02885	1.70	2.14E-02	DNA helicase-like protein
NBC2815_02886	NBC2815_02886	-2.83	1.85E-03	hypothetical protein
NBC2815_02888	NBC2815_02888	-2.31	1.14E-04	Hypothetical Protein
NBC2815_02894	NBC2815_02894	-1.52	1.07E-02	Hypothetical Protein
NBC2815_02898	NBC2815_02898	-2.44	6.41E-09	esterase EstE
<i>thiG</i>	NBC2815_02900	-2.74	4.18E-12	thiazole synthase
<i>trmB</i>	NBC2815_02901	-3.01	2.62E-12	tRNA (guanine-N(7)-)-methyltransferase
NBC2815_02906	NBC2815_02906	3.47	4.88E-08	aminopeptidase
<i>dsbB</i>	NBC2815_02911	-3.63	2.97E-12	disulfide bond formation protein B
<i>rplQ</i>	NBC2815_02912	-2.47	7.04E-07	50S ribosomal protein L17
<i>rpsD</i>	NBC2815_02914	-1.91	1.73E-04	30S ribosomal protein S4
<i>rpsK</i>	NBC2815_02915	-2.42	3.26E-07	30S ribosomal protein S11
<i>rpsM</i>	NBC2815_02916	-2.26	1.37E-06	30S ribosomal protein S13
<i>rplO</i>	NBC2815_02918	-2.24	2.52E-06	50S ribosomal protein L15
<i>rpmD</i>	NBC2815_02919	-2.44	6.90E-07	50S ribosomal protein L30
<i>rpsE</i>	NBC2815_02920	-3.25	4.20E-09	30S ribosomal protein S5
<i>rplF</i>	NBC2815_02922	-1.51	1.94E-02	50S ribosomal protein L6
<i>rpsH</i>	NBC2815_02923	-1.67	3.79E-03	30S ribosomal protein S8
<i>rpsQ</i>	NBC2815_02928	-1.74	2.35E-03	30S ribosomal protein S17
<i>rpmC</i>	NBC2815_02929	-1.72	2.44E-03	50S ribosomal protein L29
<i>rplP</i>	NBC2815_02930	-1.54	2.20E-02	50S ribosomal protein L16
<i>rplW</i>	NBC2815_02935	-3.08	3.67E-06	50S ribosomal protein L23
<i>rplD</i>	NBC2815_02936	-1.68	2.30E-02	50S ribosomal protein L4
NBC2815_02940	NBC2815_02940	-2.05	4.12E-05	elongation factor G
<i>rpsG</i>	NBC2815_02941	-2.16	4.45E-06	30S ribosomal protein S7
<i>rpsL</i>	NBC2815_02942	-2.31	1.49E-06	30S ribosomal protein S12
<i>rpoC</i>	NBC2815_02943	-2.31	1.08E-06	DNA-directed RNA polymerase, subunit Beta-prime protein

<i>rpoB</i>	NBC2815_02944	-2.20	3.52E-06	DNA-directed RNA polymerase subunit beta
<i>rplL</i>	NBC2815_02945	-1.99	1.82E-04	50S ribosomal protein L7/L12
<i>rplK</i>	NBC2815_02948	-1.77	1.16E-03	50S ribosomal protein L11
<i>nusG</i>	NBC2815_02949	-1.55	7.85E-03	transcription antitermination protein NusG
NBC2815_02958	NBC2815_02958	-1.79	1.83E-03	50S ribosomal protein L25/general stress protein Ctc
NBC2815_02959	NBC2815_02959	1.50	1.90E-02	ribose-phosphate pyrophosphokinase /EC_number="2.7.6.1
NBC2815_02968	NBC2815_02968	2.29	3.53E-08	transcriptional regulator
NBC2815_02969	NBC2815_02969	7.75	1.54E-16	Hypothetical Protein
NBC2815_02975	NBC2815_02975	2.08	7.88E-03	transcriptional regulator
NBC2815_02976	NBC2815_02976	9.00	7.63E-13	extracellular protease
NBC2815_02977	NBC2815_02977	5.23	6.84E-05	extracellular protease
NBC2815_02982	NBC2815_02982	-1.68	1.17E-02	Hypothetical Protein
<i>rpoE1</i>	NBC2815_02985	2.86	1.26E-10	RNA polymerase factor sigma-70
NBC2815_02986	NBC2815_02986	1.96	2.79E-02	Hypothetical Protein
NBC2815_02987	NBC2815_02987	2.56	1.16E-04	Hypothetical Protein
NBC2815_02993	NBC2815_02993	-2.90	1.49E-06	hypothetical protein
<i>hemK</i>	NBC2815_02995	1.75	6.17E-03	protoporphyrinogen oxidase
NBC2815_02996	NBC2815_02996	13.19	1.37E-51	alkyl hydroperoxide reductase subunit C
<i>ahpF</i>	NBC2815_02997	45.66	1.33E-85	alkyl hydroperoxide reductase
NBC2815_02998	NBC2815_02998	16.29	1.88E-60	oxidative stress transcriptional regulator
<i>greA_2</i>	NBC2815_02999	5.94	2.75E-15	Transcription elongation factor
NBC2815_03000	NBC2815_03000	3.76	4.70E-10	transaldolase B /EC_number="2.2.1.2
<i>pms</i>	NBC2815_03001	5.22	5.54E-15	methionine sulfoxide reductase A
NBC2815_03002	NBC2815_03002	7.24	1.01E-05	hypothetical protein
NBC2815_03003	NBC2815_03003	2.44	7.28E-04	two-component system regulatory protein
NBC2815_03004	NBC2815_03004	2.33	6.20E-04	two-component system sensor protein
NBC2815_03005	NBC2815_03005	2.61	1.89E-02	Hypothetical Protein
NBC2815_03007	NBC2815_03007	-2.56	1.82E-12	glutamyl-tRNA synthetase /EC_number="6.1.1.18
NBC2815_03008	NBC2815_03008	-1.56	2.75E-02	putative secreted protein
NBC2815_03013	NBC2815_03013	1.64	1.50E-03	Hypothetical Protein
NBC2815_03014	NBC2815_03014	2.15	3.63E-02	p-hydroxycinnamoyl CoA hydratase/lyase
<i>pcaQ</i>	NBC2815_03015	2.24	4.61E-05	transcriptional regulator
NBC2815_03016	NBC2815_03016	3.32	4.36E-03	protocatechuate 4,5-dioxygenase subunit alpha
<i>ostA</i>	NBC2815_03024	1.77	1.40E-03	organic solvent tolerance protein
<i>pdxA</i>	NBC2815_03026	1.64	6.38E-03	4-hydroxythreonine-4-phosphate dehydrogenase
<i>apaG</i>	NBC2815_03028	2.30	2.76E-08	CO ₂ + /MG ²⁺ efflux protein ApaG
<i>apaH</i>	NBC2815_03029	1.77	7.17E-04	diadenosine tetraphosphatase
NBC2815_03031	NBC2815_03031	-2.81	3.72E-10	Hypothetical Protein
<i>thyA</i>	NBC2815_03032	-2.17	3.26E-07	thymidylate synthase
NBC2815_03033	NBC2815_03033	-1.79	3.53E-04	prolipoprotein diacylglycerol transferase /EC_number="2.4.99.-
<i>rbsK</i>	NBC2815_03036	-1.51	3.65E-03	ribokinase
<i>yeiM</i>	NBC2815_03037	-1.63	8.00E-03	nucleoside transporter
NBC2815_03038	NBC2815_03038	-1.52	2.99E-02	voltage-gated potassium channel subunit beta
NBC2815_03039	NBC2815_03039	8.18	5.78E-17	Hypothetical Protein
<i>phuR_2</i>	NBC2815_03040	6.68	1.05E-33	outer membrane hemin receptor
NBC2815_03046	NBC2815_03046	3.68	2.08E-04	hypothetical protein
NBC2815_03047	NBC2815_03047	2.00	6.28E-04	taurine dioxygenase
NBC2815_03048	NBC2815_03048	2.51	2.33E-03	hypothetical protein
NBC2815_03049	NBC2815_03049	3.19	3.25E-12	oxidoreductase
<i>ftsE_2</i>	NBC2815_03050	2.49	2.86E-08	ABC transporter ATP-binding protein
NBC2815_03051	NBC2815_03051	2.10	1.17E-06	acyl-CoA thioesterase
NBC2815_03054	NBC2815_03054	2.45	1.99E-02	Lysophospholipase L1
NBC2815_03056	NBC2815_03056	-2.11	2.98E-02	diacylglycerol kinase
<i>lemA</i>	NBC2815_03057	1.64	3.36E-03	Hypothetical Protein
NBC2815_03058	NBC2815_03058	2.04	1.17E-05	TIM-barrel protein; NifR3 family protein
NBC2815_03060	NBC2815_03060	2.00	4.11E-06	membrane-bound metal-dependent hydrolase
<i>metK</i>	NBC2815_03061	-2.55	2.46E-08	methionine adenosyltransferase
NBC2815_03067	NBC2815_03067	3.61	1.68E-03	peptide hydrolase
NBC2815_03069	NBC2815_03069	-1.70	3.74E-02	sulfotransferase
NBC2815_03070	NBC2815_03070	-1.61	3.45E-02	hypothetical protein
NBC2815_03072	NBC2815_03072	1.79	7.70E-03	hypothetical protein
NBC2815_03073	NBC2815_03073	-2.07	3.37E-06	Hypothetical Protein
NBC2815_03075	NBC2815_03075	3.72	3.80E-11	alpha-amylase (fragment)
NBC2815_03076	NBC2815_03076	-1.78	2.34E-03	D-galactose 1-dehydrogenase
NBC2815_03077	NBC2815_03077	-2.22	3.18E-06	ISXo1 transposase, IS5 family
NBC2815_03084	NBC2815_03084	-1.51	2.53E-02	acetyltransferase
<i>nrdR</i>	NBC2815_03085	-2.28	1.94E-08	transcriptional regulator NrdR
<i>glyA</i>	NBC2815_03086	-1.92	1.33E-04	glycine/serine hydroxymethyltransferase
NBC2815_03087	NBC2815_03087	3.59	7.29E-10	Hypothetical Protein
NBC2815_03091	NBC2815_03091	-1.57	2.58E-02	serine protease
NBC2815_03093	NBC2815_03093	-1.93	1.89E-02	is4 transposase (fragment) protein
NBC2815_03097	NBC2815_03097	1.51	1.05E-02	PnuC protein
<i>xpsD</i>	NBC2815_03100	-2.87	8.62E-10	general secretion pathway protein D
<i>xpsK</i>	NBC2815_03104	-2.17	5.52E-06	general secretion pathway protein K
NBC2815_03105	NBC2815_03105	-1.54	3.29E-02	general secretion pathway protein J
NBC2815_03106	NBC2815_03106	-1.65	2.51E-02	general secretion pathway protein I
NBC2815_03111	NBC2815_03111	-7.10	0.00E+00	Subtilisin-like serine protease
NBC2815_03112	NBC2815_03112	-8.12	0.00E+00	outer membrane protein XadA
<i>purL</i>	NBC2815_03115	-1.77	5.10E-04	phosphoribosylformylglycinamide synthase
NBC2815_03118	NBC2815_03118	1.81	4.50E-02	RDD family protein
NBC2815_03119	NBC2815_03119	2.90	1.14E-12	permease
NBC2815_03120	NBC2815_03120	3.37	2.42E-13	permease
NBC2815_03121	NBC2815_03121	-1.72	8.64E-04	leucyl aminopeptidase /EC_number="3.4.11.1
NBC2815_03122	NBC2815_03122	-3.59	5.33E-13	DNA polymerase III subunit chi
<i>valS</i>	NBC2815_03123	-2.08	3.74E-06	valyl-tRNA synthetase
NBC2815_03125	NBC2815_03125	-2.22	2.12E-04	ISxac3 transposase
NBC2815_03126	NBC2815_03126	5.53	1.05E-02	hypothetical protein
NBC2815_03127	NBC2815_03127	1.61	5.68E-03	hypothetical protein
NBC2815_03129	NBC2815_03129	-2.21	1.18E-05	hypothetical protein
NBC2815_03131	NBC2815_03131	-1.84	2.01E-04	hypothetical protein
NBC2815_03133	NBC2815_03133	2.45	8.70E-08	IS1112 transposase
NBC2815_03138	NBC2815_03138	-2.41	2.39E-03	asparaginase
NBC2815_03143	NBC2815_03143	-2.10	5.09E-06	pilus biogenesis protein
<i>pill</i>	NBC2815_03144	-2.03	1.14E-04	pilus biogenesis protein

<i>gshB</i>	NBC2815_03147	-2.70	7.57E-13	glutathione synthetase
NBC2815_03148	NBC2815_03148	-1.88	4.46E-05	TonB protein
NBC2815_03149	NBC2815_03149	-1.58	2.40E-03	putative glycoprotease
NBC2815_03154	NBC2815_03154	2.20	1.21E-07	Hypothetical Protein
NBC2815_03156	NBC2815_03156	1.87	1.76E-03	pyrroloquinoline quinone biosynthesis protein PqqB
NBC2815_03160	NBC2815_03160	2.51	7.38E-07	ATP-dependent RNA helicase
NBC2815_03163	NBC2815_03163	2.06	2.20E-05	Hypothetical Protein
NBC2815_03165	NBC2815_03165	1.68	6.07E-03	Hypothetical Protein
NBC2815_03166	NBC2815_03166	2.69	2.08E-10	pseudouridylylase synthase
NBC2815_03167	NBC2815_03167	-1.58	8.54E-03	Hypothetical Protein
<i>exsG</i>	NBC2815_03168	-1.92	1.97E-02	two-component system sensor protein
NBC2815_03173	NBC2815_03173	1.89	4.57E-03	IS1404 transposase
NBC2815_03174	NBC2815_03174	1.93	1.69E-04	IS1404 transposase protein B
NBC2815_03176	NBC2815_03176	2.59	2.13E-09	glutathione transferase
NBC2815_03179	NBC2815_03179	2.94	2.35E-05	Hypothetical Protein
<i>bfeA</i>	NBC2815_03180	-1.77	6.40E-04	ferric enterobactin receptor
NBC2815_03181	NBC2815_03181	3.82	1.52E-14	trehalose-6-phosphate phosphatase
NBC2815_03182	NBC2815_03182	2.64	2.11E-08	glycosyl hydrolase family protein
NBC2815_03183	NBC2815_03183	2.22	1.02E-05	trehalose-6-phosphate synthase
NBC2815_03184	NBC2815_03184	-1.55	1.99E-03	IS1478 transposase
NBC2815_03185	NBC2815_03185	1.64	3.85E-03	glucose dehydrogenase
<i>nadE</i>	NBC2815_03189	-1.66	3.71E-04	NAD synthetase
NBC2815_03191	NBC2815_03191	-1.66	3.28E-03	succinyl-CoA synthetase subunit alpha /EC_number="6.2.1.5
<i>sucC</i>	NBC2815_03192	-2.24	1.20E-06	succinyl-CoA synthetase subunit beta
<i>pilR</i>	NBC2815_03194	-1.98	3.39E-06	two-component system regulatory protein
NBC2815_03195	NBC2815_03195	-2.38	9.82E-08	hypothetical protein
<i>pilC</i>	NBC2815_03200	-1.81	4.48E-04	fimbrial assembly protein
<i>coaE</i>	NBC2815_03202	-1.71	4.21E-04	dephospho-CoA kinase
NBC2815_03208	NBC2815_03208	2.25	1.30E-06	quinone reductase
<i>metF1</i>	NBC2815_03210	3.32	8.31E-10	methylenetetrahydrofolate reductase
NBC2815_03211	NBC2815_03211	1.83	3.11E-03	Hypothetical Protein
NBC2815_03212	NBC2815_03212	-2.28	1.90E-08	Thiamine monophosphate synthase ThiE
<i>ftsZ</i>	NBC2815_03218	-5.03	0.00E+00	cell division protein FtsZ
<i>ftsA</i>	NBC2815_03219	-5.06	2.45E-29	cell division protein ftsa
NBC2815_03220	NBC2815_03220	-4.19	1.50E-18	cell division protein
<i>ddl_1</i>	NBC2815_03221	-3.98	4.39E-25	D-alanine--D-alanine ligase
<i>murC</i>	NBC2815_03222	-4.48	0.00E+00	UDP-N-acetylmuramate--L-alanine ligase
<i>murG</i>	NBC2815_03223	-2.28	4.43E-09	undecaprenyldiphospho-muramoylpentapeptide beta-N-acetylglucosaminyltransferase
<i>ftsW</i>	NBC2815_03224	-3.85	2.66E-19	cell division protein FtsW
<i>mraY</i>	NBC2815_03225	-2.80	2.57E-14	phospho-N-acetylmuramoyl-pentapeptide- transferase
NBC2815_03226	NBC2815_03226	-2.23	2.00E-08	UDP-N-acetylmuramoylalanyl-D-glutamyl-2, 6-diaminopimelate/D-alanyl-D-alanyl ligase
<i>murE</i>	NBC2815_03227	-2.09	1.70E-07	UDP-N-acetylmuramoylalanyl-D-glutamate--2, 6-diaminopimelate ligase
<i>ftsI</i>	NBC2815_03228	-1.97	4.97E-06	penicillin-binding protein 3
NBC2815_03229	NBC2815_03229	-2.34	1.82E-04	cell division protein
<i>mraW</i>	NBC2815_03230	-1.82	3.14E-05	S-adenosyl-methyltransferase MraW
NBC2815_03231	NBC2815_03231	-2.10	7.28E-06	cell division protein MraZ
NBC2815_03234	NBC2815_03234	-4.85	1.51E-13	CcdB cytotoxin-like protein
NBC2815_03240	NBC2815_03240	-2.85	3.34E-04	IS1478 transposase
NBC2815_03241	NBC2815_03241	2.84	2.36E-05	IS1480 transposase
NBC2815_03242	NBC2815_03242	-3.45	2.82E-02	ISXo1 transposase, IS5 family
<i>pilQ</i>	NBC2815_03243	-4.22	0.00E+00	fimbrial assembly protein
NBC2815_03244	NBC2815_03244	-3.82	5.08E-20	fimbrial assembly protein
NBC2815_03245	NBC2815_03245	-3.92	2.66E-19	fimbrial assembly membrane protein
NBC2815_03246	NBC2815_03246	-2.68	5.52E-11	fimbrial assembly membrane protein
<i>pilM</i>	NBC2815_03247	-2.45	1.21E-08	fimbrial assembly membrane protein
NBC2815_03249	NBC2815_03249	1.87	2.36E-05	Hypothetical Protein
<i>gltA</i>	NBC2815_03250	-2.16	5.66E-06	type II citrate synthase
NBC2815_03252	NBC2815_03252	1.63	9.47E-04	inosine-uridine preferring nucleoside hydrolase
NBC2815_03257	NBC2815_03257	-1.60	1.08E-03	translation initiation inhibitor
<i>spoT</i>	NBC2815_03258	-1.79	1.69E-04	guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase
<i>rpoZ</i>	NBC2815_03259	-1.99	1.49E-05	DNA-directed RNA polymerase subunit K
NBC2815_03261	NBC2815_03261	-2.56	2.63E-07	stress-induced protein
<i>rph</i>	NBC2815_03262	-1.54	4.95E-03	ribonuclease PH
NBC2815_03263	NBC2815_03263	-1.53	2.43E-02	deoxyribonucleotide triphosphate pyrophosphatase
NBC2815_03265	NBC2815_03265	3.88	3.67E-03	Hypothetical Protein
<i>pepQ_2</i>	NBC2815_03266	-1.98	4.36E-06	Xaa-Pro dipeptidase
<i>pepP</i>	NBC2815_03267	-2.07	3.00E-07	aminopeptidase
NBC2815_03269	NBC2815_03269	-3.31	1.26E-13	Hypothetical Protein
NBC2815_03270	NBC2815_03270	-1.60	6.93E-03	cell division protein ZapA
NBC2815_03273	NBC2815_03273	-2.70	5.60E-11	ribose-5-phosphate isomerase A /EC_number="5.3.1.6
NBC2815_03274	NBC2815_03274	-2.24	2.89E-04	Hypothetical Protein
NBC2815_03275	NBC2815_03275	-1.84	1.53E-05	Hypothetical Protein
NBC2815_03276	NBC2815_03276	-3.43	3.01E-09	Putative Rubredoxin
<i>thiE</i>	NBC2815_03277	-2.47	1.30E-04	thiamine-phosphate pyrophosphorylase
<i>argD</i>	NBC2815_03279	-1.84	2.89E-05	bifunctional acetylornithine aminotransferase, succinyl-diaminopimelate aminotransferase
NBC2815_03281	NBC2815_03281	-2.74	1.68E-04	ISXo1 transposase, IS5 family
<i>mpl</i>	NBC2815_03287	-1.60	9.76E-04	UDP-N-acetylmuramate:L-alanyl-gamma-D-glutamyl- meso-diaminopimelate ligase
<i>adk</i>	NBC2815_03288	-2.68	4.80E-12	adenylate kinase
NBC2815_03289	NBC2815_03289	-1.80	3.99E-05	6-phosphofructokinase /EC_number="2.7.1.11
<i>virB6_3</i>	NBC2815_03290	2.52	1.62E-05	VirB6 protein
<i>hpaA</i>	NBC2815_03292	-2.36	3.27E-08	membrane-bound proton-translocating pyrophosphatase
NBC2815_03294	NBC2815_03294	-2.39	7.34E-08	inorganic pyrophosphatase /EC_number="3.6.1.1
NBC2815_03296	NBC2815_03296	-2.28	5.54E-06	TonB-dependent receptor
NBC2815_03297	NBC2815_03297	-1.83	3.68E-03	TonB-dependent receptor
NBC2815_03300	NBC2815_03300	1.90	7.96E-06	regulatory protein
<i>xopF1_2</i>	NBC2815_03302	3.21	1.69E-08	type III effector protein XopF1
<i>hpa3_2</i>	NBC2815_03303	2.98	2.53E-04	Hpa3 protein, type III secretion system
NBC2815_03304	NBC2815_03304	3.36	1.02E-03	hypothetical protein
NBC2815_03306	NBC2815_03306	4.21	3.84E-04	methyl-accepting chemotaxis protein
NBC2815_03307	NBC2815_03307	5.91	1.16E-04	methyl-accepting chemotaxis protein
NBC2815_03308	NBC2815_03308	5.85	2.73E-06	methyl-accepting chemotaxis protein
NBC2815_03309	NBC2815_03309	4.97	1.05E-05	methyl-accepting chemotaxis protein
NBC2815_03311	NBC2815_03311	2.69	4.88E-08	acetolactate synthase 2 catalytic subunit /EC_number="2.2.1.6
NBC2815_03312	NBC2815_03312	1.69	2.20E-03	acetolactate synthase isozyme II small subunit

NBC2815_03313	NBC2815_03313	1.63	1.54E-03	threonine dehydratase /EC_number="4.3.1.19
<i>leuB</i>	NBC2815_03318	-1.58	7.82E-03	3-isopropylmalate dehydrogenase
<i>leuD</i>	NBC2815_03319	-1.95	2.63E-05	isopropylmalate isomerase small subunit
NBC2815_03324	NBC2815_03324	-1.66	3.47E-03	TolC protein
NBC2815_03328	NBC2815_03328	-1.61	4.76E-03	glycosyltransferase
NBC2815_03329	NBC2815_03329	-3.50	3.11E-13	hypothetical protein
<i>oprO</i>	NBC2815_03333	-4.40	0.00E+00	polyphosphate-selective porin O
NBC2815_03334	NBC2815_03334	-1.89	1.37E-05	sensor histidine kinase
NBC2815_03335	NBC2815_03335	-2.41	2.18E-03	Hypothetical Protein
NBC2815_03341	NBC2815_03341	-2.39	5.01E-09	hypothetical protein
NBC2815_03342	NBC2815_03342	-6.17	7.38E-18	hypothetical protein
NBC2815_03343	NBC2815_03343	-2.36	6.44E-07	hypothetical protein
NBC2815_03344	NBC2815_03344	-3.21	6.48E-11	hypothetical protein
<i>raxB1</i>	NBC2815_03345	-2.52	9.10E-10	peptide ABC transporter ATPase/permease
NBC2815_03347	NBC2815_03347	-1.59	2.51E-02	hypothetical protein
NBC2815_03349	NBC2815_03349	3.00	3.01E-02	ISx3 transposase
NBC2815_03350	NBC2815_03350	1.61	5.34E-03	IS1112 transposase
<i>tctD</i>	NBC2815_03357	-1.96	8.61E-03	two-component system regulatory protein
NBC2815_03358	NBC2815_03358	2.54	1.68E-05	porin
<i>cebR</i>	NBC2815_03361	-1.76	5.95E-05	transcriptional regulator
<i>suc1</i>	NBC2815_03362	-2.58	6.12E-13	sugar transporter
<i>fyuA</i>	NBC2815_03363	-8.48	0.00E+00	TonB-dependent receptor
NBC2815_03364	NBC2815_03364	-5.16	0.00E+00	alpha-amylase
NBC2815_03366	NBC2815_03366	2.00	4.17E-06	GTPase RsgA
NBC2815_03370	NBC2815_03370	-8.46	1.57E-08	hypothetical protein
NBC2815_03374	NBC2815_03374	-1.53	3.62E-03	Hypothetical Protein
NBC2815_03375	NBC2815_03375	-2.67	4.37E-05	methyltransferase
NBC2815_03376	NBC2815_03376	1.73	7.87E-03	polysaccharide deacetylase
NBC2815_03384	NBC2815_03384	-1.56	2.31E-03	IS1478 transposase
NBC2815_03385	NBC2815_03385	1.90	8.06E-05	Hypothetical Protein
NBC2815_03386	NBC2815_03386	2.12	3.81E-02	amidohydrolase family protein
NBC2815_03406	NBC2815_03406	2.60	1.34E-04	isx11 transposase orf b protein
NBC2815_03410	NBC2815_03410	2.82	4.58E-04	type II secretion system protein M
NBC2815_03418	NBC2815_03418	-1.66	2.45E-03	two-component system regulatory protein
NBC2815_03421	NBC2815_03421	1.95	6.38E-05	putative oxidoreductase YvaA
NBC2815_03423	NBC2815_03423	2.75	7.46E-10	putative secreted protein
NBC2815_03424	NBC2815_03424	4.39	1.16E-13	Hypothetical Protein
NBC2815_03425	NBC2815_03425	1.87	5.43E-04	Hypothetical Protein
NBC2815_03426	NBC2815_03426	1.95	3.52E-02	Hypothetical Protein
NBC2815_03433	NBC2815_03433	-1.82	2.70E-05	hypothetical protein
NBC2815_03435	NBC2815_03435	1.81	8.69E-04	lipoyl synthase /EC_number="2.8.1.8
<i>lipB</i>	NBC2815_03436	2.52	6.60E-08	lipote-protein ligase B
NBC2815_03437	NBC2815_03437	3.61	1.60E-11	Hypothetical Protein
NBC2815_03438	NBC2815_03438	2.25	1.21E-06	Hypothetical Protein
NBC2815_03439	NBC2815_03439	1.90	8.13E-03	hypothetical protein
NBC2815_03440	NBC2815_03440	-2.43	1.41E-08	penicillin-binding protein 6
<i>mltB</i>	NBC2815_03442	-1.87	2.53E-05	murein-degrading transglycosylase
NBC2815_03443	NBC2815_03443	1.88	1.13E-02	endopolygalacturonase
NBC2815_03447	NBC2815_03447	-1.57	2.32E-03	rod shape-determining protein MreC
<i>mreB</i>	NBC2815_03448	-1.51	1.27E-02	rod shape-determining protein MreB
NBC2815_03449	NBC2815_03449	-2.06	8.50E-07	sugar kinase
<i>pepN</i>	NBC2815_03452	-1.65	1.79E-03	aminopeptidase
<i>ubiE</i>	NBC2815_03454	-1.51	9.93E-03	ubiquinone/menaquinone biosynthesis methyltransferase
NBC2815_03455	NBC2815_03455	7.97	1.21E-36	major facilitator superfamily protein
NBC2815_03456	NBC2815_03456	5.97	2.59E-17	MFS transporter
NBC2815_03459	NBC2815_03459	1.95	9.94E-04	hypothetical protein
<i>hslU</i>	NBC2815_03460	1.59	3.65E-02	ATP-dependent protease ATP-binding subunit HslU
<i>hslV</i>	NBC2815_03461	2.94	4.01E-07	peptidase component of the hsluv protease
NBC2815_03463	NBC2815_03463	-2.05	1.08E-06	Hypothetical Protein
<i>dapF</i>	NBC2815_03464	-1.79	1.56E-04	diaminopimelate epimerase
<i>ptrB</i>	NBC2815_03466	-1.65	1.68E-02	oligopeptidase B
NBC2815_03467	NBC2815_03467	1.87	1.50E-03	aminotransferase
NBC2815_03469	NBC2815_03469	-4.71	1.25E-12	hypothetical protein
NBC2815_03470	NBC2815_03470	-4.19	0.00E+00	prolyl oligopeptidase
NBC2815_03474	NBC2815_03474	-1.69	2.46E-04	salt-induced outer membrane protein
<i>hemC</i>	NBC2815_03476	-1.59	1.69E-03	porphobilinogen deaminase
NBC2815_03485	NBC2815_03485	2.27	2.82E-02	methyl-accepting chemotaxis protein
NBC2815_03486	NBC2815_03486	3.67	1.43E-08	histidine kinase-response regulator hybrid protein
NBC2815_03487	NBC2815_03487	-2.79	1.58E-11	zinc protease
NBC2815_03491	NBC2815_03491	3.36	1.19E-08	Hypothetical Protein
NBC2815_03493	NBC2815_03493	-2.04	3.86E-05	Hypothetical Protein
<i>corA_2</i>	NBC2815_03495	-1.95	3.47E-06	magnesium/cobalt transporter CorA
NBC2815_03497	NBC2815_03497	1.57	1.35E-02	D-alanine/D-serine
NBC2815_03498	NBC2815_03498	2.34	2.45E-03	Hypothetical Protein
NBC2815_03500	NBC2815_03500	-3.35	1.30E-04	drug-metabolite transporter superfamily protein
NBC2815_03501	NBC2815_03501	-2.33	4.45E-09	archaeal methyltransferase
NBC2815_03503	NBC2815_03503	-4.75	2.14E-27	dipeptidyl peptidase IV /EC_number="3.4.14.11
NBC2815_03504	NBC2815_03504	-2.23	4.23E-08	oxidoreductase
NBC2815_03507	NBC2815_03507	1.52	3.60E-03	tis1421-transposase b
<i>xopAD_5</i>	NBC2815_03508	2.65	1.72E-11	type III effector protein XopAD
NBC2815_03509	NBC2815_03509	2.18	1.81E-02	hypothetical protein
NBC2815_03519	NBC2815_03519	-2.36	5.45E-08	3-dehydroquinone dehydratase /EC_number="4.2.1.10
NBC2815_03520	NBC2815_03520	-4.17	2.84E-18	acetyl-CoA carboxylase biotin carboxyl carrier protein subunit /EC_number="6.4.1.2
NBC2815_03521	NBC2815_03521	-4.89	4.03E-16	Hypothetical protein
<i>accC</i>	NBC2815_03522	-5.30	2.04E-28	acetyl-CoA carboxylase, biotin carboxylase subunit protein
NBC2815_03524	NBC2815_03524	2.98	4.63E-05	Hypothetical Protein
<i>fis</i>	NBC2815_03527	-2.59	3.18E-11	global DNA-binding transcriptional dual regulator Fis
NBC2815_03528	NBC2815_03528	4.73	7.60E-18	ice-nucleation proteins octamer repeat protein
NBC2815_03529	NBC2815_03529	6.09	1.83E-14	hypothetical protein
NBC2815_03531	NBC2815_03531	-1.60	1.46E-03	phosphoribosylamine-glycine ligase /EC_number="6.3.4.13
NBC2815_03537	NBC2815_03537	1.57	3.45E-02	2-acylglycerophosphoethanolamine acyltransferase
NBC2815_03538	NBC2815_03538	-2.53	9.49E-10	transmembrane protein
NBC2815_03543	NBC2815_03543	-2.42	1.20E-02	IS1479 transposase-like protein
NBC2815_03544	NBC2815_03544	-2.84	5.74E-05	transposase

NBC2815_03546	NBC2815_03546	-3.11	2.97E-04	ISxac3 transposase
NBC2815_03548	NBC2815_03548	3.39	5.51E-11	TetR family transcriptional regulator
NBC2815_03549	NBC2815_03549	2.57	1.37E-05	XopN effector
<i>dcp2_2</i>	NBC2815_03550	-2.70	8.15E-10	peptidyl-dipeptidase
NBC2815_03551	NBC2815_03551	-3.20	1.58E-04	IS1479 transposase
NBC2815_03552	NBC2815_03552	-1.97	8.97E-07	acyltransferase
NBC2815_03554	NBC2815_03554	-3.69	6.22E-11	Hypothetical Protein
NBC2815_03555	NBC2815_03555	-4.34	3.26E-07	pseudouridylate synthase
NBC2815_03556	NBC2815_03556	-4.17	3.83E-17	disulfide isomerase
<i>mdmC</i>	NBC2815_03557	-1.91	4.83E-02	O-methyltransferase
<i>ubiB</i>	NBC2815_03560	1.86	2.81E-04	ubiquinone biosynthesis protein UbiB
NBC2815_03561	NBC2815_03561	2.43	1.32E-07	sterol-binding domain-containing protein
<i>ddl_2</i>	NBC2815_03562	3.82	9.64E-16	D-alanyl-alanine synthetase A
<i>ddl_3</i>	NBC2815_03563	3.00	6.07E-09	D-alanyl-alanine synthetase A
NBC2815_03564	NBC2815_03564	3.03	5.82E-10	hypothetical protein
NBC2815_03565	NBC2815_03565	4.67	2.18E-14	Hypothetical Protein
NBC2815_03570	NBC2815_03570	-2.14	6.48E-07	ISXac3 transposase, IS3 family
NBC2815_03572	NBC2815_03572	7.07	5.84E-40	lipase
<i>erpA</i>	NBC2815_03573	3.07	2.21E-11	iron-sulfur cluster insertion protein
NBC2815_03575	NBC2815_03575	-1.54	1.29E-02	Hypothetical Protein
<i>trpC</i>	NBC2815_03590	-1.65	1.12E-03	indole-3-glycerol phosphate synthase
<i>trpD</i>	NBC2815_03591	-1.50	7.93E-03	anthranilate phosphoribosyltransferase
NBC2815_03594	NBC2815_03594	2.63	1.48E-07	integrase, catalytic region
NBC2815_03595	NBC2815_03595	2.59	6.06E-05	is4 transposase (fragment) protein
NBC2815_03598	NBC2815_03598	-2.67	6.44E-05	fatty acid desaturase
NBC2815_03599	NBC2815_03599	-2.75	1.52E-04	glutamine amidotransferases protein
<i>RhtB</i>	NBC2815_03600	-2.39	2.63E-04	threonine efflux protein
NBC2815_03602	NBC2815_03602	-3.12	2.88E-08	glutamine synthetase
<i>trpE_2</i>	NBC2815_03604	-1.51	1.06E-02	anthranilate synthase component I
NBC2815_03605	NBC2815_03605	2.33	1.34E-07	lipid kinase
NBC2815_03606	NBC2815_03606	1.93	2.10E-05	N-acetyltransferase
<i>rpe</i>	NBC2815_03607	-2.18	4.50E-08	ribulose-phosphate 3-epimerase
NBC2815_03609	NBC2815_03609	-1.97	4.91E-05	putative DnaJ-related chaperone
NBC2815_03610	NBC2815_03610	-4.66	3.22E-22	phosphoribosylaminoimidazole-succinocarboxamide synthase /EC_number="6.3.2.6
NBC2815_03611	NBC2815_03611	-2.59	5.50E-03	Zinc metalloprotease
NBC2815_03613	NBC2815_03613	-1.78	1.61E-02	membrane protein
NBC2815_03618	NBC2815_03618	2.83	1.18E-09	monovalent cation/H+ antiporter subunit A
<i>phaC</i>	NBC2815_03619	2.18	1.24E-03	monovalent cation/H+ antiporter subunit C
NBC2815_03620	NBC2815_03620	2.36	2.27E-06	monovalent cation/H+ antiporter subunit D
NBC2815_03621	NBC2815_03621	2.45	2.55E-03	monovalent cation/H+ antiporter subunit E
NBC2815_03625	NBC2815_03625	5.08	4.11E-17	HAD superfamily hydrolase
NBC2815_03626	NBC2815_03626	18.24	3.92E-33	Hypothetical Protein
NBC2815_03627	NBC2815_03627	4.15	2.60E-04	EF hand domain-containing protein
NBC2815_03631	NBC2815_03631	-1.89	6.16E-06	N-acetylmuramoyl-L-alanine amidase
NBC2815_03638	NBC2815_03638	2.11	2.76E-03	membrane protein
<i>ylil</i>	NBC2815_03639	2.42	5.37E-04	dehydrogenase
<i>folB</i>	NBC2815_03641	-2.21	1.82E-05	dihydroneopterin aldolase
<i>rpsU</i>	NBC2815_03643	-2.89	9.24E-11	30S ribosomal protein S21
NBC2815_03645	NBC2815_03645	2.80	1.67E-10	ribonuclease BN
NBC2815_03648	NBC2815_03648	-1.58	1.29E-02	Na+-dependent transporter
NBC2815_03650	NBC2815_03650	-2.12	4.98E-05	protoheme IX farnesyltransferase
NBC2815_03651	NBC2815_03651	-2.56	1.51E-09	cytochrome oxidase assembly protein
NBC2815_03653	NBC2815_03653	-1.54	6.66E-03	Hypothetical Protein
NBC2815_03654	NBC2815_03654	-3.00	5.79E-12	Hypothetical Protein
NBC2815_03655	NBC2815_03655	-2.35	4.80E-08	cytochrome C oxidase subunit III
NBC2815_03656	NBC2815_03656	-1.99	1.23E-05	cytochrome C oxidase assembly protein
NBC2815_03657	NBC2815_03657	-1.91	3.22E-04	Hypothetical Protein
NBC2815_03658	NBC2815_03658	-2.72	2.79E-09	cytochrome C oxidase, subunitItransmembrane protein /EC_number="1.9.3.1
NBC2815_03659	NBC2815_03659	-1.80	1.60E-04	cytochrome C oxidase subunit II
NBC2815_03660	NBC2815_03660	-3.45	0.00E+00	Hypothetical Protein
NBC2815_03661	NBC2815_03661	-18.00	0.00E+00	bifunctional proline dehydrogenase/pyrroline-5-carboxylate dehydrogenase
<i>tyrS</i>	NBC2815_03662	-3.13	2.01E-14	putative tyrosyl-tRNA synthetase
NBC2815_03666	NBC2815_03666	-1.89	3.52E-04	signal transducer
<i>pyrE</i>	NBC2815_03668	-3.14	1.26E-10	orotate phosphoribosyltransferase
NBC2815_03670	NBC2815_03670	-1.65	3.50E-04	chromosome partitioning protein
<i>parB</i>	NBC2815_03671	-1.57	3.30E-03	chromosome partitioning protein
NBC2815_03678	NBC2815_03678	2.43	2.19E-06	Hypothetical Protein
NBC2815_03691	NBC2815_03691	3.30	3.28E-02	hypothetical protein
NBC2815_03692	NBC2815_03692	1.85	4.72E-05	LysR family transcriptional regulator
NBC2815_03693	NBC2815_03693	9.07	1.21E-36	putative glucosyltransferase
<i>entF</i>	NBC2815_03694	7.55	9.47E-27	ATP-dependent serine activating enzyme
NBC2815_03696	NBC2815_03696	4.89	2.56E-03	IS1478 transposase
NBC2815_03697	NBC2815_03697	3.47	1.95E-12	two-component system sensor protein
<i>phoP</i>	NBC2815_03698	2.55	2.10E-06	two-component system regulatory protein phoP
NBC2815_03699	NBC2815_03699	4.40	4.50E-18	Hypothetical Protein
NBC2815_03700	NBC2815_03700	3.45	5.03E-10	tRNA-dihydrouridine synthase A
NBC2815_03701	NBC2815_03701	56.86	7.57E-19	Hypothetical Protein
NBC2815_03703	NBC2815_03703	1.68	4.22E-02	putative secreted protein
NBC2815_03704	NBC2815_03704	-1.82	2.14E-02	IS1479 transposase-like protein
NBC2815_03708	NBC2815_03708	-1.55	3.18E-02	hypothetical protein
NBC2815_03710	NBC2815_03710	-1.96	5.29E-05	Hypothetical Protein
NBC2815_03712	NBC2815_03712	-2.10	9.58E-06	biotin acetyl-CoA-carboxylase synthetase
NBC2815_03716	NBC2815_03716	3.41	6.94E-04	IS1389 transposase
NBC2815_03717	NBC2815_03717	2.42	3.60E-05	cointegrate resolution protein T (fragment)
NBC2815_03720	NBC2815_03720	1.65	9.57E-03	Pectate lyase precursor /EC_number="4.2.2.2
NBC2815_03722	NBC2815_03722	3.76	8.20E-07	putative secreted protein
<i>rpmB</i>	NBC2815_03728	-1.54	3.28E-02	50S ribosomal protein L28
NBC2815_03729	NBC2815_03729	-2.14	9.10E-08	hypothetical protein
NBC2815_03730	NBC2815_03730	2.08	3.55E-04	cation efflux system protein
<i>gidB</i>	NBC2815_03731	-1.51	1.10E-02	methyltransferase GidB
NBC2815_03732	NBC2815_03732	2.32	3.00E-02	alkaline phosphatase
NBC2815_03734	NBC2815_03734	2.61	2.73E-07	transglycosylase associated protein
NBC2815_03735	NBC2815_03735	1.86	2.94E-04	Hypothetical Protein
NBC2815_03737	NBC2815_03737	-2.52	3.96E-03	hypothetical protein

<i>actP</i>	NBC2815_03738	-5.89	1.20E-34	acetate permease
NBC2815_03739	NBC2815_03739	-10.31	3.53E-28	membrane protein
NBC2815_03740	NBC2815_03740	-4.23	9.38E-26	Hypothetical Protein
<i>acs</i>	NBC2815_03741	-2.86	5.78E-11	acetyl-CoA synthetase
<i>tcsR</i>	NBC2815_03742	-2.03	8.41E-06	two-component system regulatory protein
<i>pld</i>	NBC2815_03743	-1.62	1.81E-03	pyridoxal 4-dehydrogenase
NBC2815_03744	NBC2815_03744	-1.50	1.35E-02	metal-dependent hydrolase
NBC2815_03745	NBC2815_03745	-3.79	2.97E-22	oxidoreductase
NBC2815_03746	NBC2815_03746	-5.43	1.87E-26	2-hydroxyhepta-2,4-diene-1,7-dioate isomerase
NBC2815_03747	NBC2815_03747	-4.92	1.57E-27	L-alanine-DL-glutamate epimerase of enolase superfamily protein
NBC2815_03748	NBC2815_03748	-8.01	1.73E-16	Hypothetical Protein
<i>fucP</i>	NBC2815_03749	-4.27	1.10E-25	fucose permease
<i>yebN</i>	NBC2815_03751	2.90	1.18E-03	membrane protein YebN
NBC2815_03752	NBC2815_03752	1.70	5.67E-04	two-component system sensor-response regulator hybrid protein
<i>idnK</i>	NBC2815_03755	1.96	3.85E-05	gluconokinase
NBC2815_03757	NBC2815_03757	3.30	1.09E-10	Hypothetical Protein
NBC2815_03758	NBC2815_03758	2.01	4.80E-05	pathogenicity protein
NBC2815_03764	NBC2815_03764	-1.61	3.81E-03	DNA topoisomerase I
NBC2815_03768	NBC2815_03768	-1.93	3.59E-05	hypothetical protein
NBC2815_03769	NBC2815_03769	-1.66	1.91E-03	protein smg
NBC2815_03771	NBC2815_03771	-2.81	4.83E-11	LysM domain-containing protein
<i>def_2</i>	NBC2815_03772	-2.27	2.39E-08	peptide deformylase
NBC2815_03781	NBC2815_03781	3.33	1.60E-10	GTP cyclohydrolase /EC_number="3.5.4.25
<i>yncA</i>	NBC2815_03782	-3.02	9.72E-08	phosphinothricin acetyltransferase
<i>dtd</i>	NBC2815_03784	1.71	4.50E-02	D-tyrosyl-tRNA(Tyr) deacylase
<i>rpoD</i>	NBC2815_03785	1.72	4.08E-03	RNA polymerase sigma factor RpoD
<i>int_3</i>	NBC2815_03788	1.69	7.83E-03	phage-related integrase
NBC2815_03799	NBC2815_03799	-1.94	1.98E-02	Hypothetical Protein
NBC2815_03813	NBC2815_03813	-2.23	1.13E-05	hypothetical protein
<i>S</i>	NBC2815_03814	2.02	1.79E-02	phage-related tail protein
NBC2815_03816	NBC2815_03816	2.63	3.61E-02	Hypothetical Protein
NBC2815_03825	NBC2815_03825	-44.97	8.47E-04	phage-related capsid scaffold protein
NBC2815_03829	NBC2815_03829	-2.90	1.53E-04	hypothetical protein
NBC2815_03830	NBC2815_03830	-3.78	4.16E-17	hypothetical protein
NBC2815_03831	NBC2815_03831	-3.59	8.67E-07	hypothetical protein
NBC2815_03832	NBC2815_03832	3.78	2.06E-10	VGR-like protein
NBC2815_03833	NBC2815_03833	2.68	3.18E-06	Rhs element Vgr protein
NBC2815_03837	NBC2815_03837	6.50	2.30E-27	VGR-like protein
NBC2815_03838	NBC2815_03838	5.83	6.31E-17	Rhs element Vgr protein
NBC2815_03839	NBC2815_03839	2.11	6.65E-03	hypothetical protein
<i>iroN_2</i>	NBC2815_03849	-12.12	0.00E+00	TonB-dependent receptor
NBC2815_03850	NBC2815_03850	-15.35	8.73E-77	tryptophan halogenase
<i>prnA_2</i>	NBC2815_03851	-6.55	2.09E-42	tryptophan halogenase
NBC2815_03853	NBC2815_03853	-2.34	8.77E-10	TonB-like protein
NBC2815_03854	NBC2815_03854	-2.60	7.75E-12	ABC transporter sodium permease
<i>natA</i>	NBC2815_03855	-2.58	2.03E-10	sodium ABC transporter ATP-binding protein
NBC2815_03856	NBC2815_03856	-2.21	4.32E-09	cysteine proteinase
NBC2815_03857	NBC2815_03857	-1.67	3.03E-04	phenol hydroxylase
NBC2815_03858	NBC2815_03858	-2.00	8.66E-07	ABC transporter ATP-binding protein
<i>yadH</i>	NBC2815_03859	-1.77	3.83E-05	permease
NBC2815_03860	NBC2815_03860	-2.93	6.21E-12	hypothetical protein
NBC2815_03861	NBC2815_03861	-2.54	2.89E-09	2-dehydropantoate 2-reductase /EC_number="1.1.1.169
NBC2815_03862	NBC2815_03862	-3.30	1.22E-04	lipoprotein
NBC2815_03864	NBC2815_03864	1.72	5.89E-03	IS1478 transposase
NBC2815_03866	NBC2815_03866	-9.35	4.49E-14	ISXoc2 transposase, IS3 family
<i>hmgA</i>	NBC2815_03867	-5.65	4.70E-33	homogentisate 1,2-dioxygenase
NBC2815_03868	NBC2815_03868	-6.02	0.00E+00	4-hydroxyphenylpyruvate dioxygenase
NBC2815_03869	NBC2815_03869	-2.28	1.79E-09	transcriptional regulator, MarR family
<i>yhiP</i>	NBC2815_03872	-2.35	5.21E-09	di-tripeptide transporter
NBC2815_03873	NBC2815_03873	-1.51	1.93E-02	tryptophan 2,3-dioxygenase
NBC2815_03875	NBC2815_03875	-2.26	2.54E-05	Pyruvate dehydrogenase e1 component subunit alpha
NBC2815_03876	NBC2815_03876	-2.40	3.53E-03	Pyruvate dehydrogenase e1 component subunit alpha
NBC2815_03877	NBC2815_03877	-4.00	7.77E-12	pyruvate dehydrogenase E1 component
NBC2815_03878	NBC2815_03878	-2.84	1.69E-03	variant SH3 domain protein
NBC2815_03879	NBC2815_03879	-2.63	5.92E-08	branched-chain alpha-keto acid dehydrogenase subunit E2
NBC2815_03880	NBC2815_03880	-1.76	1.52E-04	ATP-dependent RNA helicase
NBC2815_03881	NBC2815_03881	-1.90	9.62E-04	Hypothetical Protein
NBC2815_03887	NBC2815_03887	2.52	1.90E-06	tis1421-transposase a
NBC2815_03888	NBC2815_03888	5.22	7.83E-20	pyridine nucleotide-disulfide oxidoreductase, putative
NBC2815_03889	NBC2815_03889	3.11	1.44E-06	3-oxoacyl-ACP reductase
NBC2815_03890	NBC2815_03890	3.05	4.83E-04	3-oxoacyl-ACP reductase
<i>benE</i>	NBC2815_03895	2.44	1.66E-03	benzoate permease
NBC2815_03897	NBC2815_03897	2.44	9.46E-04	phytochrome-like protein
NBC2815_03898	NBC2815_03898	2.93	1.56E-03	phytochrome-like protein
NBC2815_03899	NBC2815_03899	2.27	1.92E-02	heme oxygenase
NBC2815_03900	NBC2815_03900	5.47	6.25E-06	drug:H+ antiporter-1 family protein
NBC2815_03901	NBC2815_03901	2.76	8.98E-04	tetracycline-efflux transporter
NBC2815_03902	NBC2815_03902	1.77	5.38E-04	epimerase
NBC2815_03903	NBC2815_03903	3.89	7.44E-17	Hypothetical Protein
NBC2815_03904	NBC2815_03904	-2.59	8.42E-06	Hypothetical Protein
NBC2815_03906	NBC2815_03906	4.46	5.41E-06	hypothetical protein
NBC2815_03908	NBC2815_03908	2.02	9.83E-04	ATP-binding protein
NBC2815_03911	NBC2815_03911	2.29	1.08E-03	Hypothetical Protein
NBC2815_03915	NBC2815_03915	4.77	1.04E-04	hypothetical protein
NBC2815_03917	NBC2815_03917	1.94	4.30E-04	hypothetical protein
NBC2815_03919	NBC2815_03919	-1.65	1.64E-02	plasmid stabilization system protein, RelE-ParE family
NBC2815_03924	NBC2815_03924	-1.57	1.06E-02	IS1478 transposase
NBC2815_03926	NBC2815_03926	1.55	5.20E-03	lipoprotein
NBC2815_03927	NBC2815_03927	-7.74	1.04E-13	Hypothetical Protein
<i>yrbF</i>	NBC2815_03933	1.66	3.16E-03	toluene tolerance protein
NBC2815_03936	NBC2815_03936	-1.74	2.44E-03	toluene tolerance protein
NBC2815_03939	NBC2815_03939	-4.99	3.44E-29	FRG domain protein
NBC2815_03940	NBC2815_03940	-3.69	9.29E-22	glutathione peroxidase
NBC2815_03941	NBC2815_03941	2.70	7.59E-06	lipoprotein

NBC2815_03942	NBC2815_03942	-1.64	3.04E-04	hypothetical protein
NBC2815_03943	NBC2815_03943	5.08	2.48E-02	Hypothetical Protein
NBC2815_03946	NBC2815_03946	2.85	5.82E-10	putative signal protein with GAF, PAS(PAC) and GGDEF domains
NBC2815_03947	NBC2815_03947	1.64	1.10E-03	glycerate kinase
NBC2815_03950	NBC2815_03950	-1.59	2.25E-03	oxidoreductase
NBC2815_03951	NBC2815_03951	1.68	3.99E-04	export protein
<i>glpQ</i>	NBC2815_03952	2.34	1.17E-03	periplasmic glycerophosphodiester phosphodiesterase
<i>trmE</i>	NBC2815_03957	1.90	4.65E-05	tRNA modification GTPase TrmE
<i>rpmH</i>	NBC2815_03960	1.69	5.21E-03	50S ribosomal protein L34
NBC2815_04001	NBC2815_04001	3.51	1.06E-15	Putative replication protein
NBC2815_04003	NBC2815_04003	1.95	2.13E-02	hypothetical protein
<i>traG</i>	NBC2815_04004	2.37	2.17E-07	Type IV secretion system protein VirD4
NBC2815_04005	NBC2815_04005	2.16	2.54E-07	hypothetical protein
NBC2815_04008	NBC2815_04008	6.75	2.43E-23	hypothetical protein
NBC2815_04009	NBC2815_04009	6.56	5.49E-28	Site-specific recombinase
NBC2815_04010	NBC2815_04010	2.18	1.36E-04	Plasmid partition protein
NBC2815_04011	NBC2815_04011	1.70	3.13E-02	hypothetical protein
NBC2815_04020	NBC2815_04020	-1.64	9.83E-04	Hypothetical Protein
NBC2815_04022	NBC2815_04022	3.19	5.26E-05	hypothetical protein
NBC2815_04023	NBC2815_04023	1.87	1.33E-04	hypothetical protein
NBC2815_04024	NBC2815_04024	2.30	1.97E-06	Hypothetical protein
NBC2815_04026	NBC2815_04026	3.20	6.94E-10	hypothetical protein
NBC2815_04027	NBC2815_04027	4.13	6.68E-15	Site-specific recombinase
NBC2815_04028	NBC2815_04028	4.42	1.91E-06	hypothetical protein
NBC2815_04031	NBC2815_04031	-2.59	2.88E-12	partition protein C

* Values below 0 mean that the gene has a lower expression *in planta* than in Wilbrink's medium; values over 0 mean that the gene has higher expression *in planta* than in Wilbrink's medium

Table S3. Enriched COG/eggNOG categories among commonly up- and down-regulated genes of *X. fragariae in planta* vs. in pure bacterial culture

COG/eggNOG	Enrichment ratio*	FDR-derived <i>p</i> -values
<u>Over-represented COGs in up-regulated genes</u>		
N - cell motility	3.03	2.53E-19
T - signal transduction mechanisms	1.58	2.73E-05
P - inorganic ion transport and metabolism	1.29	0.021
K - transcription	1.27	0.029
G - carbohydrate transport and metabolism	1.22	0.0325
<u>Over-represented COGs in down-regulated genes</u>		
C - energy production and conversion	1.75	3.73E-06
I - lipid transport and metabolism	1.95	3.73E-06
F - nucleotide transport and metabolism	1.90	0.13E-03
E - amino acid transport and metabolism	1.50	0.15E-03
J - translation	1.51	0.42E-03
U - intracellular trafficking and secretion	1.48	0.75E-02
M - cell wall/membrane/envelope biogenesis	1.16	0.049

*Enrichment ratio = proportion of COG X in the group of analysed set of *X. fragariae* differentially expressed genes/ proportion of COG X in *X. fragariae* genome

Table S4. Enriched secondary KEGG pathways among commonly up- and down-regulated genes of *X. fragariae* in planta vs. in pure bacterial culture

Secondary KEGG pathway	Enrichment ratio*	FDR-derived <i>p</i> -values
<u>Over-represented KEGGs among up-regulated genes</u>		
Flagellar assembly	4.45	9.86E-17
Two-component system	1.95	0.73E-03
Bacterial chemotaxis	4.45	0.97E-03
Sulfur metabolism	3.18	0.28E-02
<u>Over-represented KEGGs among down-regulated genes</u>		
Oxidative phosphorylation	2.65	3.35E-13
Purine metabolism	1.64	8.913E-03
Aminoacyl-tRNA biosynthesis	2.00	1.515E-02

*Enrichment ratio = proportion of secondary KEGG pathway X in the group of analysed set of *X. fragariae* differentially expressed genes/ proportion of secondary KEGG pathway X in *X. fragariae* genome

Table S5. Top 20 up-regulated *X. fragariae* genes *in planta*

Gene	Fold change	FDR <i>p</i> -value correction	Product
NBC2815_00636	105.9199	6.89E-65	NADPH-sulfite reductase flavoprotein subunit
<i>flhF</i>	62.35954	1.37E-42	flagellar gtp-binding protein flhf
NBC2815_02003	58.87432	6.6E-38	Hypothetical Protein
NBC2815_03701	56.85988	7.57E-19	Hypothetical Protein
NBC2815_01996	51.0737	5.51E-22	flagellar motor protein MotD
<i>cysI</i>	50.8429	3.4E-71	sulfite reductase (NADPH) hemoprotein subunit beta
<i>ahpF</i>	45.66229	1.33E-85	alkyl hydroperoxide reductase
NBC2815_01818	43.42204	1.32E-30	RNA polymerase sigma factor
NBC2815_01850	43.38369	3.1E-22	flagellar protein
NBC2815_00181	42.11746	1.39E-56	ankyrin-like protein
NBC2815_01848	40.61609	5.26E-25	flagellar protein
NBC2815_02014	39.01692	1.96E-22	chemotaxis protein methyltransferase
<i>flgJ</i>	37.95125	1.37E-34	flagellar rod assembly protein/muramidase FlgJ
NBC2815_01563	37.33584	0.012479	transposase
<i>flgE</i>	35.56915	3.92E-25	flagellar hook protein FlgE
<i>flgI</i>	32.73334	1.52E-43	flagellar basal body P-ring protein
<i>flgF</i>	32.11444	4.75E-25	flagellar basal body rod protein FlgF
NBC2815_01999	31.43577	2.16E-20	anti-sigma factor antagonist-like protein
NBC2815_00180	30.91575	4.57E-29	catalase

Table S6. Top 20 down-regulated *X. fragariae* genes *in planta*

Gene	Fold change	FDR p-value correction	Product
NBC2815_03825	-44.9739	0.000847	phage-related capsid scaffold protein
<i>pilW</i>	-30.6205	1.15E-56	type IV pilus assembly protein PilW
NBC2815_01578	-21.6124	0	PilY1 protein
NBC2815_02806	-19.2106	0	ComEA-related DNA uptake protein
NBC2815_03661	-18.0018	0	bifunctional proline dehydrogenase/pyrroline-5-carboxylate dehydrogenase
NBC2815_00894	-16.3023	0.102496	ISxac3 transposase
NBC2815_03850	-15.3451	8.73E-77	tryptophan halogenase
<i>pilE</i>	-12.9492	8.3E-39	type IV pilin pile protein
<i>iron_2</i>	-12.1184	0	TonB-dependent receptor
NBC2815_01451	-10.4176	4.4E-13	hypothetical protein
NBC2815_03739	-10.3094	3.53E-28	membrane protein
NBC2815_03866	-9.34617	4.49E-14	ISXoc2 transposase, IS3 family
<i>fyuA</i>	-8.4841	0	TonB-dependent receptor
NBC2815_03370	-8.4602	1.57E-08	hypothetical protein
NBC2815_00985	-8.33924	6.18E-26	hypothetical protein
NBC2815_03112	-8.11521	0	outer membrane protein XadA
NBC2815_03748	-8.01224	1.73E-16	Hypothetical Protein
NBC2815_01442	-7.79861	5.82E-24	acyl-CoA dehydrogenase
NBC2815_03927	-7.74074	1.04E-13	Hypothetical Protein
NBC2815_02244	-7.62174	1.66E-15	GTP cyclohydrolase

Table S7. Genes of *X. fragariae* IPO 3485 coding for degradative enzymes and their expression fold change *in planta*

Gene	Locus tag in IPO 3485 genome	product	Fold change*	FDR p-value correction
	NBC2815_00007	putative metal-dependent membrane protease	1.16	3.93E-01
	NBC2815_00008	Zn-dependent protease with chaperone functionHtpX	1.14	5.75E-01
<i>ctp</i>	NBC2815_00025	carboxyl-terminal protease	-1.85	4.49E-04
	NBC2815_00083	glucan 1,4-beta-glucosidase	1.47	3.54E-02
	NBC2815_00084	glucan 1,4-beta-glucosidase	10.10	1.34E-03
	NBC2815_00106	cellulase	1.52	8.85E-03
	NBC2815_00107	cellulase	5.19	1.05E-20
	NBC2815_00119	alpha-amylase	1.82	2.53E-03
	NBC2815_00211	protease Do	1.97	4.79E-04
	NBC2815_00320	Pectate lyase precursor	-1.26	1.37E-01
	NBC2815_00320	Pectate lyase precursor	-1.26	1.37E-01
	NBC2815_00328	metalloprotease	-1.32	2.74E-01
	NBC2815_00429	lipase	1.06	7.74E-01
	NBC2815_00514	lipase	-1.63	4.32E-03
	NBC2815_00659	cell wall hydrolase superfamily protein	9.98	1.85E-21
	NBC2815_00676	non-hemolytic phospholipase C	1.46	8.21E-02
<i>glgX2</i>	NBC2815_00679	isoamylase	1.90	3.68E-04
<i>gloA</i>	NBC2815_00776	lactoylglutathione lyase	-1.18	3.30E-01
	NBC2815_00847	zinc metalloprotease	-1.24	4.22E-01
	NBC2815_00879	Zn-dependent protease	2.00	2.59E-05
	NBC2815_00954	integral membrane protease subunit	1.42	7.38E-02
	NBC2815_00999	phospholipase A1	1.42	4.71E-02
<i>clpX</i>	NBC2815_01065	ATP-dependent clp protease ATP-binding subunit protein	1.18	4.22E-01
<i>clpP</i>	NBC2815_01066	ATP-dependent clp protease proteolytic subunit protein	2.35	4.01E-05
<i>sdaA_1</i>	NBC2815_01252	L-serine ammonia-lyase	1.81	2.90E-01
<i>sdaA_2</i>	NBC2815_01253	L-serine ammonia-lyase	-2.11	1.17E-02
<i>sdaA_3</i>	NBC2815_01254	L-serine ammonia-lyase	-1.67	6.94E-04
<i>xsa_1</i>	NBC2815_01342	xylosidase	3.53	5.10E-02
<i>xsa_2</i>	NBC2815_01343	xylosidase	2.82	1.25E-04
	NBC2815_01365	membrane-associated zinc metalloprotease	1.50	1.29E-02
	NBC2815_01417	phospholipase	1.27	3.54E-01
	NBC2815_01432	photolyase	-1.24	2.23E-01
<i>mucD</i>	NBC2815_01451	periplasmic protease	1.28	2.41E-01
	NBC2815_01471	ClpXP protease specificity-enhancing factor	-1.60	4.09E-03
	NBC2815_01494	Deoxyribodipyrimidine photolyase-like protein	-1.03	9.24E-01
	NBC2815_01659	subtilase serine protease	2.03	4.18E-03
	NBC2815_01660	subtilase serine protease	3.30	6.01E-11
<i>hutH</i>	NBC2815_01777	histidine ammonia-lyase	1.22	2.28E-01
	NBC2815_01801	autotransporter serine protease	22.60	3.73E-35
<i>clpS</i>	NBC2815_01877	ATP-dependent Clp protease adaptor protein ClpS	1.25	1.51E-01
<i>clpA</i>	NBC2815_01878	ATP-dependent clp protease ATP-binding subunit ClpA protein	5.13	1.21E-15
	NBC2815_02177	serine protease	4.10	3.23E-16
<i>celD</i>	NBC2815_02229	glucan 1,4-beta-glucosidase precursor	-3.38	2.11E-13
	NBC2815_02249	alpha-xylosidase	1.21	2.33E-01
	NBC2815_02289	Pectate lyase precursor	1.78	2.37E-03
	NBC2815_02289	Pectate lyase precursor	1.78	2.37E-03
	NBC2815_02481	pectate lyase	2.00	2.98E-03
	NBC2815_02481	pectate lyase	2.00	2.98E-03
	NBC2815_02482	polygalacturonase	2.94	2.00E-08
	NBC2815_02499	esterase/lipase/thioesterase	-1.38	3.87E-02
	NBC2815_02616	cellulase	-1.26	1.82E-01
	NBC2815_02635	extracellular protease	1.83	2.16E-04
	NBC2815_02635	extracellular protease	1.83	2.16E-04
	NBC2815_02720	extracellular serine protease	3.74	8.69E-08
	NBC2815_02720	extracellular serine protease	3.74	8.69E-08
	NBC2815_02722	serine protease	3.92	1.07E-18
	NBC2815_02722	serine protease	3.92	1.07E-18
	NBC2815_02723	serine protease	2.22	1.35E-06
	NBC2815_02723	serine protease	2.22	1.35E-06
	NBC2815_02726	cellulase	15.10	3.83E-13
	NBC2815_02732	cysteine protease	7.19	6.93E-41
<i>hflK</i>	NBC2815_02867	integral membrane protease subunit	-1.11	5.90E-01
	NBC2815_02976	extracellular protease	9.00	7.63E-13
	NBC2815_02976	extracellular protease	9.00	7.63E-13
	NBC2815_02977	extracellular protease	5.23	6.84E-05
	NBC2815_02977	extracellular protease	5.23	6.84E-05
	NBC2815_02978	extracellular protease	2.39	5.34E-02
	NBC2815_02978	extracellular protease	2.39	5.34E-02
	NBC2815_02979	extracellular protease	1.03	1.00E+00
	NBC2815_02979	extracellular protease	1.03	1.00E+00
	NBC2815_03054	Lysophospholipase L1	2.45	1.99E-02
	NBC2815_03055	Lysophospholipase L1	1.60	2.56E-01
	NBC2815_03075	alpha-amylase (fragment)	3.72	3.80E-11

NBC2815_03091	NBC2815_03091	serine protease	-1.57	2.58E-02
NBC2815_03111	NBC2815_03111	Subtilisin-like serine protease	-7.10	0.00E+00
NBC2815_03114	NBC2815_03114	Subtilisin-like serine protease	-1.15	3.83E-01
NBC2815_03149	NBC2815_03149	putative glycoprotease	-1.58	2.40E-03
NBC2815_03286	NBC2815_03286	ATP-dependent protease La (LON) domain subfamily protein	1.03	9.56E-01
NBC2815_03364	NBC2815_03364	alpha-amylase	-5.16	0.00E+00
NBC2815_03376	NBC2815_03376	polysaccharide deacetylase	1.73	7.87E-03
NBC2815_03389	NBC2815_03389	cellulase S	1.50	2.77E-01
<i>celS</i>	NBC2815_03391	cellulase S	1.53	1.55E-01
<i>prc</i>	NBC2815_03429	Periplasmic protease	1.29	2.31E-01
NBC2815_03443	NBC2815_03443	endopolygalacturonase	1.88	1.13E-02
<i>hslU</i>	NBC2815_03460	ATP-dependent protease ATP-binding subunit HslU	1.59	3.65E-02
<i>hslV</i>	NBC2815_03461	peptidase component of the hsluv protease	2.94	4.01E-07
<i>engXCA</i>	NBC2815_03482	cellulase	1.14	4.51E-01
NBC2815_03487	NBC2815_03487	zinc protease	-2.79	1.58E-11
NBC2815_03487	NBC2815_03487	zinc protease	-2.79	1.58E-11
NBC2815_03572	NBC2815_03572	lipase	7.07	5.84E-40
NBC2815_03611	NBC2815_03611	Zinc metalloprotease	-2.59	5.50E-03
NBC2815_03612	NBC2815_03612	Zinc metalloprotease	-1.46	6.61E-01
NBC2815_03640	NBC2815_03640	beta-glucosidase	1.14	4.82E-01
NBC2815_03663	NBC2815_03663	membrane-anchored metalloprotease	-1.10	5.83E-01
NBC2815_03720	NBC2815_03720	Pectate lyase precursor	1.65	9.57E-03
NBC2815_03720	NBC2815_03720	Pectate lyase precursor	1.65	9.57E-03

Table S8. KEGG orthology assignments for genes located on *X. fragariae* NBC 2815 genome

Locus tag in NBC 2815 genome	KEGG term
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NBC2815_00002	K02338
NBC2815_00005	K03629
NBC2815_00006	K02470
NBC2815_00007	K07052
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NBC2815_00012	K03559
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NBC2815_00017	K06131
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NBC2815_00021	K06076
NBC2815_00024	K00058
NBC2815_00025	K03797
NBC2815_00026	K22719
NBC2815_00031	K03777
NBC2815_00033	K08081
NBC2815_00035	K04773
NBC2815_00036	K03327
NBC2815_00039	K04066
NBC2815_00041	K03089
NBC2815_00042	K03648
NBC2815_00044	K09811
NBC2815_00045	K09812
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NBC2815_00076	K00631
NBC2815_00080	K07504
NBC2815_00083	K05349
NBC2815_00086	K01235
NBC2815_00087	K02529
NBC2815_00088	K14058
NBC2815_00089	K03554
NBC2815_00090	K07043
NBC2815_00092	K01772

NBC2815_00094	K03116
NBC2815_00095	K03117
NBC2815_00096	K03118
NBC2815_00098	K01951
NBC2815_00099	K02454
NBC2815_00100	K01878
NBC2815_00101	K01879
NBC2815_00103	K00265
NBC2815_00104	K00266
NBC2815_00105	K13979
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NBC2815_00107	K01179
NBC2815_00108	K07481
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NBC2815_00158	K04565
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NBC2815_00160	K07712
NBC2815_00161	K07708
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NBC2815_03759	K07278
NBC2815_03763	K07566
NBC2815_03764	K03168
NBC2815_03769	K03747
NBC2815_03770	K04096
NBC2815_03772	K01462
NBC2815_03773	K00604
NBC2815_03774	K03500
NBC2815_03776	K02847
NBC2815_03779	K08981
NBC2815_03780	K09167
NBC2815_03781	K01497
NBC2815_03782	K03823
NBC2815_03783	K02517
NBC2815_03784	K07560
NBC2815_03785	K03086

NBC2815_03805	K06908
NBC2815_03806	K06907
NBC2815_03807	K06903
NBC2815_03817	K03791
NBC2815_03828	K00571
NBC2815_03848	K11209
NBC2815_03851	K14266
NBC2815_03853	K03832
NBC2815_03854	K09696
NBC2815_03855	K09697
NBC2815_03858	K01990
NBC2815_03859	K01992
NBC2815_03861	K00077
NBC2815_03867	K00451
NBC2815_03868	K00457
NBC2815_03872	K03305
NBC2815_03873	K00453
NBC2815_03874	K07004
NBC2815_03875	K00161
NBC2815_03876	K00161
NBC2815_03877	K00162
NBC2815_03879	K00627
NBC2815_03890	K00059
NBC2815_03891	K07497
NBC2815_03900	K08151
NBC2815_03901	K08151
NBC2815_03902	K01792
NBC2815_03904	K09858
NBC2815_03905	K07090
NBC2815_03913	K01495
NBC2815_03914	K03761
NBC2815_03920	K07497
NBC2815_03922	K07481
NBC2815_03924	K07481
NBC2815_03928	K21498
NBC2815_03929	K07334
NBC2815_03930	K03581
NBC2815_03931	K03582
NBC2815_03932	K03583
NBC2815_03933	K02065
NBC2815_03934	K02066
NBC2815_03935	K02067
NBC2815_03936	K07323
NBC2815_03937	K07122
NBC2815_03938	K04754
NBC2815_03940	K00432
NBC2815_03942	K09760
NBC2815_03944	K03294
NBC2815_03947	K00865
NBC2815_03950	K06969

NBC2815_03951	K05794
NBC2815_03952	K01126
NBC2815_03953	K07497
NBC2815_03957	K03650
NBC2815_03958	K03217
NBC2815_03959	K03536
NBC2815_03960	K02914

Table S9. Primers designed and used for validation of RNA-seq data by RT-qPCR

Gene ID or locus tag	Name/Putative function	Forward primer 5'-3'	Reverse primer 5'-3'	Amplicon length (bp)*
<i>ahpF</i>	alkyl hydroperoxide reductase	TCATCACCAGCGCACAGACTACAG	AACGCCACCGATCCCTTGAG	169
<i>cysI</i>	sulfite reductase (NADPH) hemoprotein subunit beta	CGGGCAGCGAAGAAGAACC	CGCAGGATCGCAATGAAACC	130
<i>dapE</i>	succinyl-diaminopimelate desuccinylase	GCGCGTTGCCGAGTTGTTTC	CATGCCCTGTACGCCCTTCAC	155
<i>flgJ</i>	flagellar rod assembly protein	CCGCAAAGATCGACAAGGTG	CGTACATCTCGCGGAACATC	132
<i>flhF</i>	flagellar basal body rod protein FlgF	CTCTGGAGCTAATGGACGACTACG	GACAGCAGGCCAGCATCAACC	118
<i>glyA</i>	glycine/serine hydroxymethyltransferase	AGCCGGGCGACACCATTCTG	AGGCCCTGCGCGTTGACAC	124
<i>gyrA</i>	DNA gyrase subunit A	TGGCCGACATCGACAAGGAGAC	GGCCATACCCACCGCAATACC	134
<i>gyrB**</i>	DNA gyrase subunit B	TCCACTACGAAGGCGGCATCC	GGTAGGCGTCGGTCCATTG	141
<i>ffh**</i>	signal recognition particle protein	ATCAACCCGACCGAGACACTT TTC	GCCGTTCGGTCTTGGTCAGCACTAC	123
<i>hfg</i>	RNA-binding protein Hfq	GGGTCCCGGTTTCTGTGTATCTG	GGCGTGCTTGTAACCATCTGAC	119
<i>iroN2</i>	dependent receptor	GCTTGACGTCTGCGCTGCTTTTC	TGAGGCTGCCACGGATAACC	153
<i>oar</i>	Oar protein	CGGCCGATTATGGATATGAAGATG	CGCCAGCCACGAATAGGAATAGAC	144
<i>pilE</i>	type IV pilin pile protein	ATCAATCATCCGTTATCAAGTCTC	ATGCTGGCTCCAACGTAAGTAGTG	115
<i>pilW</i>	type IV pilus assembly protein PilW	TCGCTTCGGATAACACCTCTG	GCAACCGAACTGACCTGAAAAATC	133
<i>prnA_2</i>	tryptophan halogenase	CCACCCAGGCCACCATCAAG	CGCGCAGCTCCAGACAGTAATC	186
<i>proC</i>	pyrroline-5-carboxylate reductase	GCGCGATGCCCAACACG	GTCCTCGATCCAAACGGTCAC	137

<i>pykA</i> **	pyruvate kinase	TGACCGAGCGCGACAAGGAG	AGAACGACACTGCGATGAAG	72
<i>raxA</i>	membrane fusion transmembrane protein	TATTAAAGCCCCGACTGATG	AACAAAGCCACCTGACTCTG	151
<i>rluD</i>	ribosomal large subunit pseudouridine synthase D	CGATGCGCTGTTGGATGG	CACG TTCAGCGGGATGTC	127
<i>rpoB</i>	DNA-directed RNA polymerase subunit beta	GAGCGTCTGCGTGGTCAAAC	TGACGTGACGCGCAGTGATG	94
NBC2815_00637	ISXo1 transposase, IS5 family	CAACGCCTGACGGTGGTGT	CTCGCGGGTGGGGTAGC	132

*Annealing temperature: 59°C

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