

Table S1. Proteins detected at the stationary phase by LC-MS/MS

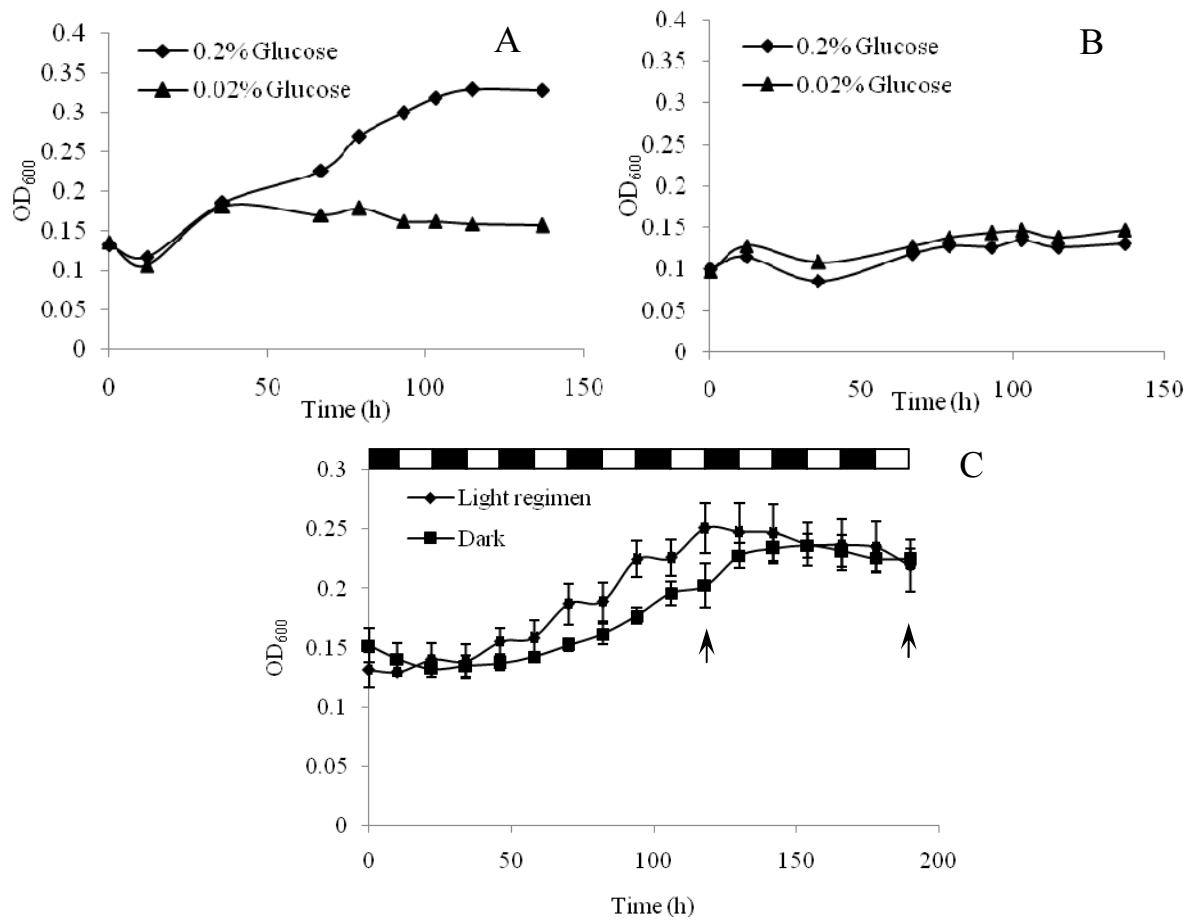
Accession No.	Gene	Protein	No. of Unique Peptides	Spectral Count	Expression <sup>a</sup>
<b>Carbon metabolism</b>					
ZP_02139222	<i>zwf</i>	glucose-6-phosphate- 1-dehydrogenase	2	2	D
ZP_02139224	<i>pgi</i>	glucose-6-phosphate isomerase	2	3	D
ZP_02142219	<i>xylA</i>	xylose isomerase	3	5	Both
ZP_02142552	<i>fba</i>	fructose-bisphosphate aldolase	5	15	Both
ZP_02138949	<i>gap</i>	glyceraldehyde-3-phosphate dehydrogenase	6	16	Both
ZP_02143248	<i>eno</i>	enolase	4	20	Both
ZP_02138950	<i>edd</i>	phosphogluconate dehydratase	5	7	Both
ZP_02138834	<i>tkt</i>	transketolase	4	8	Both
ZP_02139737	<i>prs</i>	ribose-phosphate pyrophosphokinase putative	5	12	Both
ZP_02140102	<i>pyk</i>	pyruvate kinase	1	3	L
ZP_02139594	<i>pyc</i>	pyruvate carboxylase	5	6	D
ZP_02141600	<i>mdh</i>	malate dehydrogenase	12	42	Both
ZP_02139440	<i>glcA</i>	citrate synthase	7	18	Both
ZP_02139391	<i>acn</i>	aconitate hydratase	4	8	D
ZP_02139240	<i>icd</i>	isocitrate dehydrogenase	3	4	D
ZP_02141063	<i>icd</i>	isocitrate dehydrogenase, NADP-dependent	6	10	D
ZP_02141608	<i>sucA</i>	alpha-ketoglutarate dehydrogenase	9	32	Both
ZP_02141609	<i>aceF</i>	dihydrolipoamide acetyltransferase	8	29	Both
ZP_02141615	<i>dld</i>	dihydrolipoamide dehydrogenase	5	15	Both
ZP_02138821	<i>dld</i>	dihydrolipoamide dehydrogenase	2	5	D
ZP_02138806	<i>pdhA</i>	pyruvate dehydrogenase complex, E1 component, alpha subunit	1	3	D
ZP_02140209	<i>acs</i>	acetyl-coenzyme A synthetase	2	3	D
ZP_02141602	<i>sucC</i>	succinyl-CoA synthetase, beta subunit	9	28	Both
ZP_02141606	<i>sucD</i>	succinyl-CoA synthetase, alpha subunit	8	32	Both
ZP_02139761	<i>phaB</i>	acetoacetyl-CoA reductase, putative	5	11	L
ZP_02139760	<i>phaA</i>	acetyl-CoA acetyltransferase	7	21	Both
ZP_02141951	<i>phaA</i>	acetyl-CoA acetyltransferase	2	3	D
ZP_02142486	<i>phaR</i>	polyhydroxyalkanoate synthesis repressor	1	3	D
ZP_02141589	<i>sdhA</i>	succinate dehydrogenase flavoprotein subunit	2	2	D
ZP_02142549	<i>fumC</i>	fumarate hydratase	5	8	Both
ZP_02141689	<i>aldh</i>	aldehyde dehydrogenase family protein, putative	2	3	L
ZP_02138844	<i>coxM</i>	carbon monoxide dehydrogenase, medium subunit	3	8	Both
ZP_02139547	<i>glcB</i>	malate synthase G	8	19	Both
ZP_02143293	<i>mxoF</i>	methanol dehydrogenase, large subunit	4	11	Both
ZP_02139511	<i>nuoC</i>	NADH dehydrogenase subunit C	3	7	Both
ZP_02139499	<i>nuoG</i>	NADH dehydrogenase subunit G	2	2	D
<b>Photosynthesis and oxidative phosphorylation</b>					
ZP_02142898	<i>pufC</i>	photosynthetic reaction center cytochrome c subunit	3	9	Both
ZP_02141769		NADH-ubiquinone oxidoreductase, putative	1	3	L
ZP_02142870	<i>cycA</i>	cytochrome c-551	2	11	Both
ZP_02141863	<i>petA</i>	ubiquinol-cytochrome c reductase, iron-sulfur subunit	1	3	L
ZP_02141343	<i>atpF</i>	ATP synthase F0, B subunit	4	10	L
ZP_02141344	<i>atpX</i>	ATP synthase F0, B' subunit	4	17	Both
ZP_02139743	<i>atpA</i>	F0F1 ATP synthase subunit alpha	16	66	Both
ZP_02139741	<i>atpD</i>	F0F1 ATP synthase subunit beta	14	57	Both
ZP_02139742	<i>atpG</i>	F0F1 ATP synthase subunit gamma	3	3	L
ZP_02142877	<i>bchO</i>	magnesium-chelatase 38 kDa subunit	3	7	Both
ZP_02141383	<i>hemC</i>	porphobilinogen deaminase	6	12	Both
ZP_02139198	<i>hemB</i>	delta-aminolevulinic acid dehydratase	3	4	D
ZP_02141382	<i>hemE</i>	uroporphyrinogen decarboxylase	3	3	L
ZP_02142851	<i>bchP</i>	geranylgeranyl hydrogenase	4	6	D
ZP_02139729	<i>ppaC</i>	inorganic pyrophosphatase, manganese-dependent	4	11	Both
<b>Fatty acid metabolism</b>					
ZP_02141283	<i>etfA</i>	electron transfer flavoprotein, alpha subunit	4	14	Both
ZP_02141282	<i>etfB</i>	electron transfer flavoprotein, beta subunit	7	21	Both
ZP_02140904	<i>mut</i>	methylmalonyl-CoA mutase	5	6	Both
ZP_02139206	<i>bdh</i>	D-beta-hydroxybutyrate dehydrogenase	4	11	Both
ZP_02141996	<i>fabA</i>	3-hydroxydecanoyl-ACP dehydratase	2	6	L
ZP_02138783	<i>fabB</i>	3-oxoacyl-(acyl carrier protein) synthase	1	3	L
ZP_02141995	<i>fabB</i>	3-oxoacyl-(acyl-carrier-protein) synthase	3	8	Both
ZP_02140699	<i>fadA</i>	beta-ketothiolase	2	9	Both
<b>Amino acid metabolism</b>					
ZP_02139527	<i>glmS</i>	D-fructose-6-phosphate amidotransferase	2	2	D
ZP_02140099	<i>dat</i>	D-alanine aminotransferase	8	23	Both
ZP_02140129	<i>ald</i>	alanine dehydrogenase	5	12	Both
ZP_02140030	<i>aspC</i>	aspartate aminotransferase	2	2	D
ZP_02142026	<i>aspC</i>	aspartate aminotransferase	3	6	Both
ZP_02140735	<i>adss</i>	adenylosuccinate synthetase	2	4	D
ZP_02140422	<i>argG</i>	argininosuccinate synthase	2	3	D
ZP_02141432	<i>glud</i>	glutamate dehydrogenase	13	35	Both
ZP_02139377	<i>glnA</i>	glutamine synthetase, type I	7	15	Both

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ZP_02140695	<i>serA</i>	D-3-phosphoglycerate dehydrogenase	6	7	Both
ZP_02138803	<i>cysE</i>	serine acetyltransferase	3	11	Both
ZP_02139899	<i>metB</i>	O-acetylhomoserine sulfhydrylase, probable	6	14	Both
ZP_02138887	<i>cysK</i>	O-acetylserine sulfhydrylase	5	8	Both
ZP_02140777	<i>ihvC</i>	ketol-acid reductoisomerase	4	6	Both
ZP_02140495	<i>ihvD</i>	dihydroxy-acid dehydratase	4	14	Both
ZP_02141873	<i>ihvE</i>	branched-chain amino acid aminotransferase	2	4	L
ZP_02142012	<i>trpB</i>	tryptophan synthase subunit beta	2	2	L
ZP_02142022	<i>trpA</i>	tryptophan synthase, alpha subunit	2	8	Both
ZP_02140521	<i>asd</i>	aspartate-semialdehyde dehydrogenase	2	2	L
ZP_02140022	<i>aldh</i>	succinate-semialdehyde dehydrogenase	2	3	D
ZP_02138804	<i>dbt</i>	branched-chain alpha-keto acid dehydrogenase E2 subunit	4	15	Both
ZP_02142003	<i>metK</i>	S-adenosylmethionine synthase	3	4	D
ZP_02140697	<i>kbl</i>	2-amino-3-ketobutyrate coenzyme A ligase	7	19	Both
ZP_02140726	<i>leuB</i>	3-isopropylmalate dehydrogenase	4	7	D
ZP_02140069	<i>dapA</i>	dihydrodipicolinate synthase	2	8	Both
ZP_02140763	<i>metZ</i>	O-succinylhomoserine sulfhydrylase	2	3	D
ZP_02143223	<i>lap</i>	leucyl aminopeptidase	9	17	Both
ZP_02140378	<i>ahcY</i>	S-adenosyl-L-homocysteine hydrolase	2	4	D
ZP_02143463	<i>hpcE</i>	2-hydroxyhepta-2,4-diene-1,7-dioate isomerase, putative	4	13	Both
<b>Purine/pyrimidine metabolism</b>					
ZP_02141744	<i>trx</i>	thioredoxin, putative	1	3	L
ZP_02143344	<i>pyrF</i>	orotidine 5'-phosphate decarboxylase	1	3	L
ZP_02142635	<i>hydA</i>	dihydropyrimidinase	1	3	D
ZP_02139228	<i>guaB</i>	inosine-5'-monophosphate dehydrogenase	5	14	Both
ZP_02139386	<i>purA</i>	adenylosuccinate lyase	1	4	L
ZP_02143216	<i>ndk</i>	nucleoside diphosphate kinase	2	5	L
ZP_02140707	<i>dnaN</i>	DNA polymerase III subunit beta	8	27	Both
ZP_02141714	<i>pnp</i>	polyribonucleotide nucleotidyltransferase	7	14	Both
ZP_02141694	<i>purH</i>	bifunctional phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclohydrolase	2	6	Both
ZP_02141965		putative 5-nucleotidase	2	4	Both
<b>Transcription and translation</b>					
ZP_02139347	<i>ctrA</i>	transcriptional regulator CtrA	3	7	Both
ZP_02140320	<i>nusG</i>	transcription antitermination protein NusG	2	3	D
ZP_02140406	<i>rho</i>	transcription termination factor Rho	4	7	Both
ZP_02140449	<i>nusA</i>	transcription elongation factor NusA	2	2	L
ZP_02140784	<i>gntR</i>	transcriptional regulator, GntR family, putative	2	2	D
ZP_02140451	<i>infB</i>	translation initiation factor IF-2	2	2	L
ZP_02138847	<i>infC</i>	translation initiation factor IF-3	2	8	Both
ZP_02140330	<i>fusA</i>	elongation factor G	12	25	Both
ZP_02139299	<i>tsf</i>	elongation factor Ts	3	11	Both
ZP_02140331	<i>tuf</i>	elongation factor Tu	14	45	Both
ZP_02142008	<i>rpsA</i>	30S ribosomal protein S1	2	3	D
ZP_02141271	<i>rpsJ</i>	30S ribosomal protein S10	2	7	Both
ZP_02141226	<i>rpsK</i>	30S ribosomal protein S11	4	7	Both
ZP_02141227	<i>rpsM</i>	30S ribosomal protein S13	7	16	Both
ZP_02139298	<i>rpsB</i>	30S ribosomal protein S2	3	5	Both
ZP_02141261	<i>rpsC</i>	30S ribosomal protein S3	3	7	Both
ZP_02139757	<i>rpsD</i>	30S ribosomal protein S4	7	18	Both
ZP_02138774	<i>rpsF</i>	30S ribosomal protein S6	2	3	D
ZP_02140329	<i>rpsG</i>	30S ribosomal protein S7	3	13	Both
ZP_02141242	<i>rpsH</i>	30S ribosomal protein S8	2	10	Both
ZP_02140322	<i>rplA</i>	50S ribosomal protein L1	1	3	D
ZP_02140321	<i>rplK</i>	50S ribosomal protein L11	1	3	L
ZP_02141246	<i>rplN</i>	50S ribosomal protein L14	1	3	L
ZP_02141260	<i>rplP</i>	50S ribosomal protein L16	2	7	Both
ZP_02141224	<i>rplQ</i>	50S ribosomal protein L17	1	3	L
ZP_02141240	<i>rplR</i>	50S ribosomal protein L18	3	10	Both
ZP_02141361	<i>rplS</i>	50S ribosomal protein L19	2	10	Both
ZP_02140106	<i>rplT</i>	50S ribosomal protein L20	2	4	D
ZP_02139285	<i>rplU</i>	50S ribosomal protein L21/unknown domain fusion protein	4	14	Both
ZP_02141262	<i>rplV</i>	50S ribosomal protein L22	2	3	D
ZP_02141268	<i>rplW</i>	50S ribosomal protein L23	1	3	L
ZP_02139286	<i>rplA</i>	50S ribosomal protein L27	1	3	D
ZP_02141238	<i>rplD</i>	50S ribosomal protein L30	1	3	L
ZP_02141269	<i>rplD</i>	50S ribosomal protein L4	2	2	L
ZP_02141241	<i>rplF</i>	50S ribosomal protein L6	2	3	D
ZP_02138772	<i>rplI</i>	50S ribosomal protein L9	5	13	Both
ZP_02141233	<i>rplO</i>	50S ribosomal protein L15	3	5	Both
ZP_02141264	<i>rplB</i>	50S ribosomal protein L2	4	13	Both
ZP_02141541	<i>rplB</i>	50S ribosomal protein L28	1	3	D
ZP_02140311	<i>hisS</i>	histidyl-tRNA synthetase	2	2	L
ZP_02141225	<i>rpoA</i>	DNA-directed RNA polymerase subunit alpha	6	17	Both

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ZP_02140325	<i>rpoB</i>	DNA-directed RNA polymerase subunit beta	10	13	Both
ZP_02140326	<i>rpoC</i>	DNA-directed RNA polymerase subunit beta'	7	20	Both
ZP_02139949	<i>hup</i>	DNA-binding protein HU	3	21	Both
ZP_02141747	<i>mtrA</i>	DNA-binding response regulator, putative	1	3	L
ZP_02142009	<i>ihfB</i>	integration host factor subunit beta	2	3	D
ZP_02143263	<i>ihfA</i>	integration host factor, alpha subunit	3	6	Both
<b>Stress protein</b>					
ZP_02140416	<i>grpE</i>	GrpE protein HSP-70 cofactor, putative	1	3	L
ZP_02138972	<i>clpS</i>	Clp protease, putative	3	10	Both
ZP_02142235	<i>htpG</i>	heat shock protein 90	3	6	Both
ZP_02139975	<i>hspH</i>	heat shock protein, Hsp20 family	3	18	Both
ZP_02139716		heat shock protein, Hsp20 family, putative	3	10	Both
ZP_02140459	<i>dnaK</i>	chaperone protein DnaK, putative	12	44	Both
ZP_02139724	<i>groEL</i>	chaperonin GroEL	34	122	Both
ZP_02139725	<i>groES</i>	chaperonin, 10 kDa	5	21	Both
ZP_02143343	<i>clpB</i>	ATP-dependent Clp protease, ATP-binding subunit ClpB	17	53	Both
ZP_02138876	<i>lon</i>	ATP-dependent protease La, putative	2	2	D
ZP_02139249	<i>sufC</i>	FeS assembly ATPase SufC	3	8	Both
ZP_02141718		antioxidant, AhpC/Tsa family, putative	2	4	D
ZP_02141447	<i>sodB</i>	superoxide dismutase (Fe)	3	7	Both
ZP_02140855	<i>telA</i>	tellurite resistance protein TelA	5	10	Both
ZP_02141709		universal stress family protein, putative	2	3	D
ZP_02140300		universal stress family protein, putative	1	3	L
ZP_02141690	<i>pqqE</i>	peptidase, M16 family, putative	2	3	D
ZP_02141305	<i>lepB</i>	signal peptidase I, putative	2	3	L
<b>Chemotaxis</b>					
ZP_02142765	<i>mcpA</i>	methyl-accepting chemotaxis protein McpA	13	40	Both
ZP_02142731		methyl-accepting chemotaxis protein, putative	9	13	D
ZP_02141023		methyl-accepting chemotaxis protein, putative	8	13	L
ZP_02138875		chemoreceptor protein, putative	1	3	L
ZP_02138757	<i>cheA</i>	chemotaxis protein CheA	2	7	Both
ZP_02138758	<i>cheA</i>	chemotaxis protein CheA	2	3	L
ZP_02138756	<i>cheW</i>	chemotaxis protein CheW	2	7	Both
<b>Transporters</b>					
ZP_02141887		ABC transporter substrate binding protei	4	7	Both
ZP_02142663		ABC transporter, ATP-binding protein, putative	3	3	D
ZP_02142631		ABC transporter, periplasmic	2	7	Both
ZP_02142041		ABC transporter, periplasmic substrate-binding protein, putative	3	6	D
ZP_02142337		ABC transporter, substrate-binding protein, putative	2	10	Both
ZP_02140622		ABC transporter, substrate-binding protein, putative	2	12	Both
ZP_02142689		amino-acid ABC transporter, periplasmic binding protein	2	4	L
ZP_02141504		bacterial extracellular solute-binding protein, family 7	4	10	Both
ZP_02142163		bacterial extracellular solute-binding protein, family 7,putative	2	2	L
ZP_02140148		C4-dicarboxylate transport system, substrate-binding protein, putative	4	7	Both
ZP_02141381		C4-dicarboxylate-binding periplasmic protein	4	8	Both
ZP_02143160		Extracellular ligand-binding receptor	2	12	Both
ZP_02139643		extracellular solute-binding protein, family 1	4	6	Both
ZP_02139683		extracellular solute-binding protein, family 1	1	3	L
ZP_02141083		extracellular solute-binding protein, putative	6	16	Both
ZP_02143007		ferric iron ABC transporter, periplasmic ferric iron-binding protein	9	50	Both
ZP_02141218		glutamate/glutamine/aspartate/asparagine-binding protein	21	230	Both
ZP_02139636		glycerol-3-phosphate ABC transporter, periplasmic binding protein	8	24	Both
ZP_02138889		glycerol-3-phosphate-binding periplasmic protein precursor, putative	6	22	Both
ZP_02143318		ribose ABC transporter, periplasmic binding component, putative	2	6	Both
ZP_02140156		iron ABC transporter iron-binding protein, putative	2	2	L
ZP_02139537		peptide ABC transporter, periplasmic substrate-binding protein	4	6	Both
ZP_02139021		periplasmic mannitol-binding protein, putative	5	12	Both
ZP_02139307		phosphate ABC transporter, periplasmic phosphate-binding protein	1	3	L
ZP_02140153		phosphonate ABC transporter, periplasmic binding protein, putative	3	5	Both
ZP_02140643		probable binding protein component of ABC transporter	3	4	L
ZP_02139688		putative iron ABC transporter, periplasmic binding protein	3	6	Both
ZP_02141570		putative sugar ABC transporter, periplasmic sugar-binding protein	3	12	Both
ZP_02141905		putative sugar ABC transporter, periplasmic sugar-binding protein	2	3	D
ZP_02142183		solute-binding protein, putative	9	30	Both
ZP_02140549		spermidine/putrescine-binding periplasmic protein, putative	4	10	Both
ZP_02141152		sugar ABC transporter, periplasmic binding protein, putative	5	12	Both
ZP_02141492		sugar ABC transporter, periplasmic sugar-binding protein	5	11	Both
ZP_02140246		sugar ABC transporter, periplasmic sugar-binding protein, putative	5	21	Both
ZP_02142319		sugar ABC transporter, substrate-binding, putative	2	2	D
ZP_02140347		TRAP dicarboxylate ABC transporter, substrate-binding protein	6	13	Both
ZP_02142421		TRAP transporter solute receptor, TAXI family protein	3	9	Both
ZP_02138916		tungstate ABC transporter, tungstate-binding protein	1	3	D
ZP_02138986		branched-chain amino acid ABC transporter, periplasmic binding protein, putative	2	4	L

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ZP_02139318		branched-chain amino acid ABC transporter, periplasmic substrate-binding protein	2	11	Both
ZP_02143182		TRAP-type C4-dicarboxylate transport system protein, putative	3	3	D
ZP_02141634		TRAP-type transporter, putative	1	5	L
ZP_02140273		TRAP dicarboxylate transporter, DctP subunit, putative	5	15	Both
ZP_02141071		sugar ABC transporter protein, putative	8	25	Both
ZP_02141215		ABC transporter related protein	3	5	D
ZP_02141751		outer membrane porin, putative	21	203	Both
<b>Others</b>					
ZP_02139399	<i>secD</i>	protein-export membrane protein SecD, putative	2	3	D
ZP_02140400	<i>secB</i>	protein-export protein SecB, putative	3	4	Both
ZP_02138769	<i>tig</i>	trigger factor	3	8	Both
ZP_02140455	<i>secA</i>	preprotein translocase ATPase subunit	2	3	D
ZP_02140633	<i>dapD</i>	2,3,4,5-tetrahydropyridine-2-carboxylate N-succinyltransferase	1	3	L
ZP_02141057	<i>apbA</i>	2-dehydropantoate 2-reductase, putative	2	3	D
ZP_02140461	<i>cysQ</i>	3'(2'),5'-bisphosphate nucleotidase	2	2	D
ZP_02141896	<i>ats</i>	arylsulfatase	8	29	Both
ZP_02142699		bifunctional phosphopantothenoylecysteine decarboxylase/ phosphopantothenate synthase	1	3	D
ZP_02141463		dehydrogenase, putative	3	7	Both
ZP_02140970		formate--tetrahydrofolate ligase	7	17	Both
ZP_02140746		HflC protein, putative	7	27	Both
ZP_02140745		HflK protein, putative	3	8	Both
ZP_02140257		immunogenic protein, putative	7	14	Both
ZP_02143012		lipoprotein, putative	9	19	Both
ZP_02142241		L-sorbose dehydrogenase, putative	3	6	Both
ZP_02142682		metallo-beta-lactamase family protein, putative	2	3	L
ZP_02141067		myo-inositol-1-monophosphatase	1	3	D
ZP_02139542		NAD(P) transhydrogenase subunit alpha	4	13	Both
ZP_02140465		sigma-54 modulation protein, putative	2	4	D
ZP_02142792		sulfatase, putative	5	17	Both
ZP_02141567		NifU-like domain protein	3	4	D
ZP_02139004		outer membrane protein, putative	2	3	L
ZP_02139355		outer membrane protein, putative	13	26	Both
ZP_02138809		peptidyl-prolyl cis-trans isomerase, cyclophilin-type, putative	2	4	D
ZP_02139426		peptidyl-prolyl cis-trans isomerase D, putative	2	4	D
ZP_02140454		PPIC-type PPIASE domain protein	2	4	L
ZP_02140138		quinone oxidoreductase	2	3	D
ZP_02141983		racemase, putative	3	7	Both
<b>Hypothetical proteins</b>					
ZP_02140172		unkown protein	1	3	L
ZP_02140370		unkown protein	5	10	Both
ZP_02143493		unkown protein	4	14	Both
ZP_02142986		unkown protein	8	19	Both
ZP_02140398		unkown protein	5	12	Both
ZP_02143444		unkown protein	7	18	Both
ZP_02140608		unkown protein	10	25	Both
ZP_02140971		unkown protein	1	3	L
ZP_02141129		unkown protein	2	3	D
ZP_02141554		unkown protein	1	3	L
ZP_02141566		unkown protein	2	3	D
ZP_02141893		unkown protein	3	3	D
ZP_02142485		unkown protein	5	23	Both
ZP_02142561		unkown protein	4	6	D
ZP_02142651		unkown protein	2	3	L
ZP_02142704		unkown protein	1	3	L
ZP_02142653		unkown protein	4	12	Both
ZP_02142882		unkown protein	2	2	L
ZP_02143014		unkown protein	4	21	Both
ZP_02142987		unkown protein	2	2	L
ZP_02143024		unkown protein	3	4	D
ZP_02140098		unkown protein	5	14	Both
ZP_02140097		unkown protein	13	54	Both
ZP_02139612		unkown protein	7	25	Both
ZP_02138812		unkown protein	3	8	Both
ZP_02138766		unkown protein	2	3	D

<sup>a</sup>D means that the protein is solely expressed in dark condition; L means that the protein is solely expressed in light regimen condition; Both means that the protein is expressed under both conditions.



**Fig. S1.** Growth curves determined by measuring the optical density at 600 nm. (A, B) Growth curves of *R. litoralis* OCh149 (A) and *Erythrobacter litoralis* DSM8509 (B) in MMM containing 0.2% and 0.02% glucose. (C) Growth curves of *R. litoralis* OCh149 in MMM containing 0.2% glucose in both light regimen and dark conditions. The top zebra stripe indicates the dark:light (12 h:12 h) cycles of the light regimen. The arrows shows the sampling points for proteomic analysis.