

**Supplementary Table S1. Functional categorization of genes across obligate intracellular bacteria of insects.** The total gene content of the fully sequenced insect mutualists and *E. coli* have been categorized and re-annotated using the MultiFun schema. Relevant MultiFun cell functional categories are presented here; metabolism, information transfer, regulation, transport, cell processes, and cell structure. Numbers in bold adjacent to category headings correspond to the total non-redundant number of genes in that category for each taxon. Two final categories not apart of the MultiFun schema are also included genes without known function (unknown) and pseudogenes.

Category	mfn	<i>B. pennsylvanicus</i>	<i>B. floridanus</i>	<i>W. glossinidia</i>	<i>Buchnera-BP</i>	<i>Buchnera-SG</i>	<i>Buchnera-APS</i>	<i>E. coli</i> K12
<b>1 Metabolism</b>		<b>318</b>	<b>308</b>	<b>315</b>	<b>237</b>	<b>267</b>	<b>279</b>	<b>1629</b>
Carbon compound utilization	1.1	32	32	25	25	25	25	426
Macromolecule degradation	1.2	28	28	28	27	27	27	105
Energy metabolism (carbon)	1.3	58	58	47	45	45	45	231
Energy production/transport	1.4	22	22	11	20	20	20	100
Amino acids	1.5.1	57	57	23	49	56	56	167
	Glutamate 1.5.1.1	1	1	3	0	0	0	10
	Glutamine 1.5.1.2	1	1	1	0	0	0	9
	Arginine 1.5.1.3	3	3	2	5	10	10	23
	Proline 1.5.1.4	0	0	1	0	0	0	8
	Aspartate 1.5.1.5	2	2	4	0	0	0	6
	Asparagine 1.5.1.6	0	0	1	0	0	0	4
	Lysine, diaminopimelate 1.5.1.7	7	7	6	7	8	8	16
	Threonine 1.5.1.8	4	4	2	4	4	4	8
	Methionine 1.5.1.9	5	5	1	2	3	2	11
	Glycine 1.5.1.10	1	1	1	1	1	1	6
	Serine 1.5.1.11	1	1	2	1	1	1	6
	Cysteine 1.5.1.12	2	2	1	1	2	2	6
	Phenylalanine 1.5.1.13	2	2	0	1	1	1	7
	Tyrosine 1.5.1.14	3	3	1	1	1	1	6
	Tryptophan 1.5.1.15	6	6	0	7	7	8	11
	Histidine 1.5.1.16	8	8	0	8	8	8	12
	Alanine 1.5.1.17	1	1	0	0	0	0	5
	Isoleucine/valine 1.5.1.18	6	6	1	4	4	4	21
	Leucine 1.5.1.19	5	5	1	4	4	4	17
	Chorismate 1.5.1.20	7	7	2	7	7	7	12
	Homoserine 1.5.1.21	2	2	2	2	2	2	4
Nucleotide	1.5.2	12	12	28	12	14	15	34
	Purine biosynthesis 1.5.2.1	5	5	13	3	3	3	17
	Pyrimidine biosynthesis 1.5.2.2	2	2	9	4	7	8	11
	Purine ribonucleotide biosynthesis 1.5.2.3	4	4	5	4	4	4	6
	Pyrimidine ribonucleotide/ribonucleoside biosynthesis 1.5.2.4	1	1	3	1	2	2	3
Cofactor, small molecule carrier	1.5.3	55	46	81	29	42	44	172
	Biotin 1.5.3.1	1	1	7	6	2	3	10
	Folic acid 1.5.3.2	11	11	8	4	5	4	11
	Lipoate 1.5.3.3	0	0	2	2	2	2	2
	Molybdenum (molybdopterin) 1.5.3.4	0	0	0	0	0	0	18
	Coenzyme A 1.5.3.5	4	0	7	0	4	4	10
	Pyridoxine (vitamin B6) 1.5.3.6	7	7	7	2	3	3	10
	Nicotinamide adenine dinucleotide (NAD) 1.5.3.7	2	2	5	1	4	4	18
	Thiamine (Vitamin B1) 1.5.3.8	2	2	8	1	2	2	15
	Riboflavin (Vitamin B2), FAD, FMN 1.5.3.9	6	6	7	6	7	8	14
	Glutathione 1.5.3.10	0	0	2	2	2	2	4
	Menaquinone (MK), ubiquinone (Q) 1.5.3.11	8	8	8	0	0	0	17
	Heme, porphyrin 1.5.3.12	6	6	12	3	3	5	17
	Cobalamin (Vitamin B12) 1.5.3.13	0	0	0	0	0	0	11
	Enterochelin (enterobactin) 1.5.3.14	0	0	0	0	0	0	6

	Chrysoactin	1.5.3.15	0	0	0	0	0	0	0
	Achromobactin	1.5.3.16	0	0	0	0	0	0	0
	Isoprenoid biosynthesis	1.5.3.19	10	5	10	2	9	9	11
	Tetrahydrobiopterin biosynthesis	1.5.3.20	0	0	0	0	0	0	0
	Pyochelin biosynthesis	1.5.3.21	0	0	0	0	0	0	0
	Fatty acid and phosphatidic acid	1.5.4	12	12	11	6	7	5	27
	Macromolecules (cellular constituent) biosynthesis	1.6	58	57	81	41	41	48	253
	Phospholipid	1.6.1	9	9	8	2	1	2	21
	Colanic acid (M antigen)	1.6.2	0	0	2	0	0	0	30
	Lipopolysaccharide	1.6.3	19	19	13	3	4	5	47
	Enterobacterial common antigen (surface glycolipid)	1.6.4	2	2	3	2	1	2	12
	K antigen	1.6.5	4	4	4	0	0	0	5
	Osmoregulated periplasmic glucan	1.6.6	0	0	0	0	0	0	3
	Peptidoglycan (murein)	1.6.7	20	19	21	17	11	17	42
	Polysaccharides, cytoplasmic	1.6.9	1	1	0	1	1	1	8
	Lipoprotein	1.6.10	4	4	3	1	1	1	5
	Glycoprotein	1.6.11	0	0	1	1	1	1	10
	Flagella	1.6.12	1	1	30	18	23	23	38
	Fimbria, pili, curli	1.6.13	0	0	0	0	0	0	6
	Large molecule carriers	1.6.15	0	0	0	0	0	0	1
	Cellulose biosynthesis	1.6.16	0	0	0	0	0	0	4
	Central intermediary metabolism	1.7	58	58	59	52	55	56	356
	Metabolism of other compounds	1.8	15	15	4	2	4	9	88
<b>2</b>	<b>Information transfer</b>		<b>232</b>	<b>228</b>	<b>233</b>	<b>230</b>	<b>234</b>	<b>243</b>	<b>868</b>
	DNA related	2.1	28	27	33	36	37	40	134
	DNA replication	2.1.1	16	15	18	19	22	21	54
	DNA restriction/modification	2.1.2	0	0	0	0	0	0	11
	DNA recombination	2.1.3	5	5	7	5	8	8	21
	DNA repair	2.1.4	4	4	8	8	4	7	52
	DNA degradation	2.1.5	7	7	7	8	7	8	27
	RNA related	2.2	91	90	85	79	82	85	459
	Protein related	2.3	124	121	128	127	130	133	327
	Amino acid-activation	2.3.1	25	25	24	25	24	25	31
	Chaperoning, folding	2.3.4	18	16	22	18	23	23	92
	Export, signal peptide cleavage	2.3.5	4	4	2	4	4	4	5
	Nucleoproteins, basic proteins	2.3.7	3	1	4	2	4	5	17
<b>3</b>	<b>Regulation</b>		<b>34</b>	<b>30</b>	<b>42</b>	<b>30</b>	<b>34</b>	<b>35</b>	<b>470</b>
	DNA structure level	3.1.1	3	3	2	2	3	3	18
	Transcriptional level	3.1.2	14	13	18	10	11	12	330
	Posttranscriptional	3.1.3	13	11	17	14	15	15	86
	Regulation level unknown	3.1.4	6	5	6	5	6	6	71
	Genetic unit regulated	3.3	9	8	12	6	7	6	172
<b>4</b>	<b>Transport</b>		<b>77</b>	<b>75</b>	<b>70</b>	<b>52</b>	<b>60</b>	<b>58</b>	<b>678</b>
	Channel-type Transporters	4.1	2	2	5	1	3	3	31
	Electrochemical potential driven transporters	4.2	9	9	14	6	5	5	209
	Primary Active Transporters	4.3	46	45	36	34	40	38	257
	Group Translocators	4.4	3	3	0	3	3	3	46
	Accessory Factors Involved in Transport	4.8	2	2	0	2	2	2	9
	Transporters of Unknown Classification	4.9	9	9	11	3	3	3	88
<b>5</b>	<b>Cell processes</b>		<b>62</b>	<b>57</b>	<b>109</b>	<b>72</b>	<b>79</b>	<b>79</b>	<b>421</b>
	Cell division	5.1	24	24	29	24	25	26	64
	Cell cycle physiology	5.2	1	0	2	3	3	3	4

Motility (incl. chemotaxis, energytaxis, aerotaxis, redoxaxis)	5.3	3	2	33	18	23	24	58
Genetic exchange, recombination	5.4	0	0	0	0	0	0	0
Adaptation to stress	5.5	14	12	21	13	13	14	145
Protection	5.6	22	21	27	18	18	16	140
SOS response	5.8	2	2	5	1	1	1	25
Defense/survival	5.10	4	4	2	3	3	3	13
DNA uptake	5.11	0	0	0	0	0	0	0
Biofilm production	5.12	0	0	1	0	0	0	6
Virulence associated	5.13	0	0	0	0	0	0	0
<b>6 Cell structure</b>		<b>192</b>	<b>186</b>	<b>228</b>	<b>163</b>	<b>169</b>	<b>178</b>	<b>1099</b>
Membrane	6.1	112	108	121	77	79	84	855
Peptidoglycan (murein)	6.2	25	24	26	19	13	19	57
Surface antigens (ECA, O antigen of LPS)	6.3	18	17	16	4	5	6	67
Flagellum	6.4	2	1	36	21	26	27	44
Pilus	6.5	1	1	0	0	0	0	43
Ribosome	6.6	57	58	58	58	58	58	92
Capsule (M and K antigens)	6.7	5	5	7	0	0	0	19
<b>Unknown</b>		<b>44</b>	<b>44</b>	<b>46</b>	<b>42</b>	<b>47</b>	<b>47</b>	<b>1091</b>
<b>Pseudogenes</b>		<b>4</b>	<b>4</b>	<b>14</b>	<b>9</b>	<b>38</b>	<b>13</b>	<b>150</b>

**Supplementary Table S2. Comparison of biosynthetic capabilities across insect mutualists.** Differential retention of amino acid and cofactor biosynthetic pathways among the six fully sequenced insect endosymbiont genomes. (‡) Indicates the presence of a truncated or partially disrupted pathway due to gene deletions or pseudogenes. (†) Both *Blochmannia* genomes possess equivocal de novo biosynthesis of glutamate and aspartate based on conflicting metabolic pathway descriptions in the EcoCyc and KEGG web resources. In the event that they are unable to synthesize these amino acids, *Blochmannia* has the genetic machinery for the import (*glpP*) and interconversion (*aspC*) of glutamate and aspartate.

		<i>B. pennsylvanicus</i>	<i>B. floridanus</i>	<i>W. glosynidia</i>	<i>Buchnera-BP</i>	<i>Buchnera-SG</i>	<i>Buchnera-APS</i>
Essential amino acids	Arginine	-	-	-	+‡	+	+
	Valine	+	+	-	+	+	+
	Leucine	+	+	-	+	+	+
	Isoleucine	+	+	-	+‡	+‡	+‡
	Lysine	+	+	+‡	+	+	+
	Threonine	+	+	+‡	+	+	+
	Methionine	+	+	-	-	-	-
	Histidine	+	+	-	+	+	+
	Phenylalanine	+	+	-	+	+	+
	Tryptophan	+	+	-	+	+	+
Nonessential amino acids	Tyrosine	+	+	-	-	-	-
	Cysteine	+	+	-	-	+	+
	Glycine	+	+	+	+	+	+
	Serine	-	-	-	-	-	-
	Proline	-	-	-	-	-	-
	Glutamine	+	+	+	-	-	-
	Glutamate	-†	-†	+	-	-	-
	Aspartate	-†	-†	+	-	-	-
	Alanine	-	-	-	-	-	-
Cofactors	Biotin	-	-	+	+	-	-
	Coenzyme A	+	-	+	-	+	+
	FAD	+	+	+	+‡	+	+
	Folic Acid	+	+	+	+‡	+‡	+‡
	Glutathione	-	-	+	+	+	+
	Isoprenoids	+	+‡	+	-	+	+
	Lipoate	-	-	+	+	+	+
	NAD	-	-	+‡	-	+	+
	Pantothenate	-	-	+	-	-	-
	Protoheme	-	-	+	-	-	-
	Pyridoxine	+‡	+‡	+‡	-	-	-
	Siroheme	+‡	+‡	+	-	-	-
	Thiamine	-	-	+	-	-	-
Ubiquinone	+	+	+	-	-	-	

**Supplementary Table S3. Protein divergences between *Blochmannia* strains and within other bacterial groups.** Pairwise divergences were determined by Reciprocal Sequence Distance (RSD) method. RSD did not detect certain orthologs with either high divergences and/or ambiguous alignments. Values listed are the basis for comparisons shown in Figure 6 in the text.

Category	Locus ID	Gene Name	RSD Match	prot. div.	Category	Locus ID	Gene Name	RSD Match	prot. div.	Category	Locus ID	Gene Name	RSD Match	prot. div.
<b>(a) <i>B. pennsylvanicus</i> vs. <i>B. floridanus</i></b>					<b>(c) <i>E. coli</i> vs. <i>P. luminescens</i></b>					<b>(c) <i>E. coli</i> vs. <i>P. luminescens</i>, continued</b>				
Amion Acid Biosyn.	BPEN477	<i>hisG</i>	Bf0462_hisG	0.086	Amino Acid Biosyn.	b0889	<i>lrp</i>	plu1600_lrp	0.025	Metabolism	b0688	<i>pgm</i>	plu1407_pgm	0.310
Amion Acid Biosyn.	BPEN030	<i>gltP</i>	Bf0030_gltP	0.126	Amino Acid Biosyn.	b2553	<i>glnB</i>	plu3309_glnB	0.067	Metabolism	b2342	<i>2put</i>	plu3201	0.310
Amion Acid Biosyn.	BPEN610	<i>ilvA</i>	Bf0589_ilvA	0.224	Amino Acid Biosyn.	b3390	<i>aroK</i>	plu0090_aroK	0.076	Metabolism	b3255	<i>accB</i>	plu4074_accB	0.313
Amion Acid Biosyn.	BPEN611	<i>ilvD</i>	Bf0590_ilvD	0.264	Amino Acid Biosyn.	b0628	<i>lipA</i>	plu1291_lipA	0.087	Metabolism	b2276	<i>nuoN</i>	plu3077_nuoN	0.313
Amion Acid Biosyn.	BPEN525	<i>cysK</i>	Bf0508_cysK	0.275	Amino Acid Biosyn.	b3938	<i>metJ</i>	plu4757_metJ	0.090	Metabolism	b1805	<i>fadD</i>	plu2134_fadD	0.315
Amion Acid Biosyn.	BPEN442	<i>trpB</i>	Bf0430_trpB	0.277	Amino Acid Biosyn.	b0033	<i>carB</i>	plu0604_carB	0.093	Metabolism	b3956	<i>ppc</i>	plu4746_ppc	0.316
Amion Acid Biosyn.	BPEN516	<i>aroC</i>	Bf0500_aroC	0.300	Amino Acid Biosyn.	b2551	<i>glyA</i>	plu3291_glyA	0.123	Metabolism	b2159	<i>nfo</i>	plu2857_nfo	0.316
Amion Acid Biosyn.	BPEN536	<i>dapA</i>	Bf0518_dapA	0.316	Amino Acid Biosyn.	b3770	<i>ilvE</i>	plu4683_ilvE	0.134	Metabolism	b2963	<i>mltC</i>	plu1167_mltC	0.317
Amion Acid Biosyn.	BPEN032	<i>argI</i>	Bf0032_argI	0.323	Amino Acid Biosyn.	b0166	<i>dapD</i>	plu0669_dapD	0.134	Metabolism	b1293	<i>sapB</i>	plu2588_sapB	0.320
Amion Acid Biosyn.	BPEN135	<i>leuC</i>	Bf0131_leuC	0.335	Amino Acid Biosyn.	b3774	<i>ilvC</i>	plu4668_ilvC	0.139	Metabolism	b2285	<i>nuoE</i>	plu3086_nuoE	0.323
Amion Acid Biosyn.	BPEN479	<i>hisC</i>	Bf0464_hisC	0.339	Amino Acid Biosyn.	b0652	<i>gltL</i>	plu1304_gltL	0.153	Metabolism	b0932	<i>pepN</i>	plu1755_pepN	0.324
Amion Acid Biosyn.	BPEN137	<i>leuA</i>	Bf0133_leuA	0.341	Amino Acid Biosyn.	b3457	<i>livH</i>	plu4097_livH	0.156	Metabolism	b0635	<i>mrda</i>	plu1297_pbpA	0.327
Amion Acid Biosyn.	BPEN609	<i>ilvC</i>	Bf0588_ilvC	0.346	Amino Acid Biosyn.	b2019	<i>hisG</i>	plu1570_hisG	0.156	Metabolism	b0121	<i>speE</i>	plu0843_speE	0.330
Amion Acid Biosyn.	BPEN301	<i>aroQ</i>	Bf0293_aroQ	0.353	Amino Acid Biosyn.	b0078	<i>ilvH</i>	plu3665_ilvH	0.160	Metabolism	b2283	<i>nuoG</i>	plu3084_nuoG	0.330
Amion Acid Biosyn.	BPEN115	<i>thrA</i>	Bf0111_thrA	0.358	Amino Acid Biosyn.	b0654	<i>gltI</i>	plu1306_gltI	0.161	Metabolism	b1380	<i>ldhA</i>	plu2145_ldhA	0.331
Amion Acid Biosyn.	BPEN620	<i>metB</i>	Bf0598_metB	0.366	Amino Acid Biosyn.	b1275	<i>cysB</i>	plu2434_cysB	0.171	Metabolism	b0237	<i>pepD</i>	plu1240_pepD	0.334
Amion Acid Biosyn.	BPEN069	<i>metC</i>	Bf0067_metC	0.368	Amino Acid Biosyn.	b1261	<i>trpB</i>	plu2466_trpB	0.175	Metabolism	b1187	<i>fadR</i>	plu2562_fadR	0.334
Amion Acid Biosyn.	BPEN127	<i>carB</i>	Bf0123_carB	0.372	Amino Acid Biosyn.	b3771	<i>ilvD</i>	plu4682_ilvD	0.179	Metabolism	b1767	<i>ansA</i>	plu2554_ansA	0.334
Amion Acid Biosyn.	BPEN480	<i>hisB</i>	Bf0465_hisB	0.375	Amino Acid Biosyn.	b2329	<i>aroC</i>	plu3189_aroC	0.183	Metabolism	b3396	<i>mrca</i>	plu0095_mrca	0.335
Amion Acid Biosyn.	BPEN136	<i>leuB</i>	Bf0132_leuB	0.388	Amino Acid Biosyn.	b3743	<i>asnC</i>	plu0051_asnC	0.188	Metabolism	b4151	<i>frdD</i>	plu4127_frdD	0.335
Amion Acid Biosyn.	BPEN271	<i>lysA</i>	Bf0263_lysA	0.391	Amino Acid Biosyn.	b0072	<i>leuC</i>	plu3675_leuC	0.192	Metabolism	b3565	<i>xyIA</i>	plu2275_xyIA	0.336
Amion Acid Biosyn.	BPEN592	<i>aroK</i>	Bf0572_aroK	0.397	Amino Acid Biosyn.	b3607	<i>cysE</i>	plu4837_cysE	0.195	Metabolism	b1276	<i>acnA</i>	plu2532_acnA	0.340
Amion Acid Biosyn.	BPEN438	<i>trpE</i>	Bf0426_trpE	0.403	Amino Acid Biosyn.	b3870	<i>glnA</i>	plu0237_glnA	0.200	Metabolism	b0678	<i>nagB</i>	plu1317_nagB	0.341
Amion Acid Biosyn.	BPEN117	<i>thrC</i>	Bf0113_thrC	0.404	Amino Acid Biosyn.	b2156	<i>lysP</i>	plu2854_lysP	0.201	Metabolism	b4051	<i>qor</i>	plu4360_qor	0.342
Amion Acid Biosyn.	BPEN612	<i>ilvE</i>	Bf0591_ilvE	0.406	Amino Acid Biosyn.	b3960	<i>argH</i>	plu4741_argH	0.202	Metabolism	b0090	<i>murG</i>	plu3654_murG	0.342
Amion Acid Biosyn.	BPEN483	<i>hisF</i>	Bf0468_hisF	0.409	Amino Acid Biosyn.	b1761	<i>gdhA</i>	plu0122_gdhA	0.203	Metabolism	b2280	<i>nuoJ</i>	plu3081_nuoJ	0.342
Amion Acid Biosyn.	BPEN594	<i>asd</i>	Bf0574_asd	0.429	Amino Acid Biosyn.	b2025	<i>hisF</i>	plu1565_hisF	0.205	Metabolism	b1479	<i>sfcA</i>	plu1546_maeA	0.342
Amion Acid Biosyn.	BPEN439	<i>trpG</i>	Bf0427_trpG	0.438	Amino Acid Biosyn.	b0032	<i>carA</i>	plu0603_carA	0.205	Metabolism	b0450	<i>glnK</i>	plu3857_glnK	0.345
Amion Acid Biosyn.	BPEN556	<i>glyA</i>	Bf0536_glyA	0.444	Amino Acid Biosyn.	b0754	<i>aroG</i>	plu1470_aroG	0.206	Metabolism	b2167	<i>fruA</i>	plu1993_fruA	0.346
Amion Acid Biosyn.	BPEN126	<i>carA</i>	Bf0122_carA	0.445	Amino Acid Biosyn.	b0073	<i>leuB</i>	plu3674_leuB	0.208	Metabolism	b0734	<i>cydB</i>	plu1450_cydB	0.346
Amion Acid Biosyn.	BPEN183	<i>aroF</i>	Bf0177_aroF	0.446	Amino Acid Biosyn.	b3212	<i>gltB</i>	plu4009_gltB	0.213	Metabolism	b1652	<i>rim</i>	plu2603_rim	0.349
Amion Acid Biosyn.	BPEN484	<i>hisI</i>	Bf0469_hisI	0.448	Amino Acid Biosyn.	b0653	<i>gltK</i>	plu1305_gltK	0.223	Metabolism	b1817	<i>manX</i>	plu2697_manX	0.351
Amion Acid Biosyn.	BPEN393	<i>aroA</i>	Bf0382_aroA	0.458	Amino Acid Biosyn.	b3809	<i>dapF</i>	plu4640_dapF	0.226	Metabolism	b0676	<i>nagC</i>	plu1315_nagC	0.355
Amion Acid Biosyn.	BPEN625	<i>cysE</i>	Bf0603_cysE	0.461	Amino Acid Biosyn.	b0242	<i>proB</i>	plu1243_proB	0.227	Metabolism	b2904	<i>gcvH</i>	plu3597_gcvH	0.356
Amion Acid Biosyn.	BPEN657	<i>metA</i>	Bf0630_metA	0.476	Amino Acid Biosyn.	b3237	<i>argR</i>	plu4548_argR	0.234	Metabolism	b2828	<i>lgt</i>	plu0622_lgt	0.362
Amion Acid Biosyn.	BPEN643	<i>glnA</i>	Bf0618_glnA	0.476	Amino Acid Biosyn.	b3433	<i>asd</i>	plu0007_asd	0.240	Metabolism	b4175	<i>hflC</i>	plu4578_hflC	0.364
Amion Acid Biosyn.	BPEN600	<i>dapF</i>	Bf0579_dapF	0.484	Amino Acid Biosyn.	b2414	<i>cysK</i>	plu1395_cysK	0.247	Metabolism	b1636	<i>pdxY</i>	plu2595_pdxY	0.364
Amion Acid Biosyn.	BPEN478	<i>hisD</i>	Bf0463_hisD	0.488	Amino Acid Biosyn.	b2818	<i>argA</i>	plu0644_argA	0.248	Metabolism	b2908	<i>pepP</i>	plu3601_pepP	0.367
Amion Acid Biosyn.	BPEN652	<i>metE</i>	Bf0625_metE	0.491	Amino Acid Biosyn.	b3829	<i>metE</i>	plu4420_metE	0.249	Metabolism	b0430	<i>cyoC</i>	plu3877_cyoC	0.368
Amion Acid Biosyn.	BPEN613	<i>ilvM</i>	Bf0592_ilvM	0.499	Amino Acid Biosyn.	b3455	<i>livG</i>	plu4095_livG	0.253	Metabolism	b4240	<i>treB</i>	plu3288_treB	0.368
Amion Acid Biosyn.	BPEN277	<i>dapD</i>	Bf0269_dapD	0.506	Amino Acid Biosyn.	b0928	<i>aspC</i>	plu1750_aspC	0.255	Metabolism	b4179	<i>vacB</i>	plu4575_vacB	0.370
Amion Acid Biosyn.	BPEN116	<i>thrB</i>	Bf0112_thrB	0.518	Amino Acid Biosyn.	b0077	<i>ilvI</i>	plu3666_ilvI	0.258	Metabolism	b3498	<i>prcC</i>	plu0124_opdA	0.371
Amion Acid Biosyn.	BPEN591	<i>aroB</i>	Bf0571_aroB	0.518	Amino Acid Biosyn.	b3454	<i>livF</i>	plu4094_livF	0.258	Metabolism	b2288	<i>nuoA</i>	plu3089_nuoA	0.371
Amion Acid Biosyn.	BPEN184	<i>tyrA</i>	Bf0178_tyrA	0.519	Amino Acid Biosyn.	b2947	<i>gshB</i>	plu1184_gshB	0.262	Metabolism	b2676	<i>nrdF</i>	plu1284_nrdF	0.371
Amion Acid Biosyn.	BPEN394	<i>serC</i>	Bf0383_serC	0.524	Amino Acid Biosyn.	b2913	<i>serA</i>	plu2605_serA	0.263	Metabolism	b2502	<i>ppx</i>	plu2764_ppx	0.371
Amion Acid Biosyn.	BPEN482	<i>hisA</i>	Bf0467_hisA	0.528	Amino Acid Biosyn.	b1658	<i>purR</i>	plu2605_purR	0.264	Metabolism	b0085	<i>murE</i>	plu3659_murE	0.371
Amion Acid Biosyn.	BPEN134	<i>leuD</i>	Bf0130_leuD	0.537	Amino Acid Biosyn.	b0004	<i>thrC</i>	plu0565_thrC	0.264	Metabolism	b0963	<i>mgsA</i>	plu1780_mgsA	0.372
Amion Acid Biosyn.	BPEN434	<i>aspC</i>	Bf0422_aspC	0.543	Amino Acid Biosyn.	b3213	<i>gltD</i>	plu4010_gltD	0.269	Metabolism	b3792	<i>wzxE</i>	plu4654_wzxE	0.372
Amion Acid Biosyn.	BPEN441	<i>trpC</i>	Bf0429_trpC	0.592	Amino Acid Biosyn.	b3772	<i>ilvA</i>	plu4681_ilvA	0.273	Metabolism	b1628	<i>zorF</i>	plu2378_rnfB	0.377
Amion Acid Biosyn.	BPEN443	<i>trpA</i>	Bf0431_trpA	0.612	Amino Acid Biosyn.	b3940	<i>metL</i>	plu4755_metL	0.275	Metabolism	b2366	<i>dsdA</i>	plu1970_dsdA	0.378
Amion Acid Biosyn.	BPEN534	<i>dapE</i>	Bf0517_dapE	0.676	Amino Acid Biosyn.	b0031	<i>dapB</i>	plu0602_dapB	0.276	Metabolism	b4033	<i>malF</i>	plu0459_malF	0.379
Amion Acid Biosyn.	BPEN440	<i>trpD</i>	Bf0428_trpD	0.768	Amino Acid Biosyn.	b3653	<i>gltS</i>	plu0248_gltS	0.277	Metabolism	b1912	<i>pgsA</i>	plu2026_pgsA	0.380
Amion Acid Biosyn.	BPEN228	<i>aroE</i>	Bf0221_aroE	0.794	Amino Acid Biosyn.	b2478	<i>dapA</i>	plu2746_dapA	0.283	Metabolism	b1090	<i>plsX</i>	plu2836_plsX	0.382
Amion Acid Biosyn.	BPEN185	<i>pheA</i>	Bf0179_pheA	0.889	Amino Acid Biosyn.	b0071	<i>leuD</i>	plu3676_leuD	0.284	Metabolism	b3924	<i>fpr</i>	plu4769_fpr	0.382
Amion Acid Biosyn.	BPEN125	<i>dapB</i>	Bf0121_dapB	1.071	Amino Acid Biosyn.	b2796	<i>sdaC</i>	plu1578_sdaC	0.286	Metabolism	b2762	<i>cysH</i>	plu0705_cysH	0.383
Cell Membr. & Peptidogl.	BPEN003	<i>atpE</i>	Bf0003_atpE	0.127	Amino Acid Biosyn.	b0063	<i>thrA</i>	plu0563_thrA	0.289	Metabolism	b0159	<i>pfs</i>	plu0906_mtnA	0.384
Cell Membr. & Peptidogl.	BPEN149	<i>ftsA</i>	Bf0145_ftsA	0.162	Amino Acid Biosyn.	b3868	<i>glnG</i>	plu0235_glnG	0.290	Metabolism	b3418	<i>malT</i>	plu0471_malT	0.385

Cell Membr. & Peptidogl.	BPEN029	<i>yjcE</i>	Bf029_yjcE	0.172	Amino Acid Biosyn.	b0864	<i>artP</i>	plu1588_artP	0.299	Metabolism	b2239	<i>glpQ</i>	plu4120_glpQ	0.387
Cell Membr. & Peptidogl.	BPEN101	<i>hfb</i>	Bf098_hfsH	0.177	Amino Acid Biosyn.	b0074	<i>leuA</i>	plu3673_leuA	0.302	Metabolism	b3182	<i>dacB</i>	plu4539_dacB	0.390
Cell Membr. & Peptidogl.	BPEN595	<i>yhgN</i>	Bf575_yhgN	0.187	Amino Acid Biosyn.	b2601	<i>aroF</i>	plu1262_aroF	0.312	Metabolism	b0469	<i>apt</i>	plu3842_apt	0.390
Cell Membr. & Peptidogl.	BPEN008	<i>atpD</i>	Bf008_atpD	0.206	Amino Acid Biosyn.	b3572	<i>avtA</i>	plu0291_avtA	0.314	Metabolism	b2440	<i>eutC</i>	plu2971_eutC	0.392
Cell Membr. & Peptidogl.	BPEN518	<i>mntH</i>	Bf502_mntH	0.213	Amino Acid Biosyn.	b0908	<i>aroA</i>	plu1620_aroA	0.320	Metabolism	b2675	<i>nrdE</i>	plu1285_nrdE	0.393
Cell Membr. & Peptidogl.	BPEN353	<i>ybhL</i>	Bf343_ybhL	0.218	Amino Acid Biosyn.	b1015	<i>putP</i>	plu1958_putP	0.324	Metabolism	b0335	<i>prpE</i>	plu3539_prpE	0.393
Cell Membr. & Peptidogl.	BPEN454	<i>minD</i>	Bf440_minD	0.230	Amino Acid Biosyn.	b3939	<i>metB</i>	plu4756_metB	0.329	Metabolism	b0214	<i>rnhA</i>	plu0942_rnhA	0.395
Cell Membr. & Peptidogl.	BPEN470	<i>yceL</i>	Bf455_yceL	0.235	Amino Acid Biosyn.	b4013	<i>metA</i>	plu4397_metA	0.336	Metabolism	b3250	<i>mreC</i>	plu4070_mreC	0.396
Cell Membr. & Peptidogl.	BPEN460	<i>manY</i>	Bf446_manY	0.255	Amino Acid Biosyn.	b3828	<i>metR</i>	plu4421_metR	0.336	Metabolism	b4016	<i>aceK</i>	plu4394_aceK	0.396
Cell Membr. & Peptidogl.	BPEN461	<i>manZ</i>	Bf447_manZ	0.261	Amino Acid Biosyn.	b0655	<i>ybeJ</i>	plu1307_gliI	0.337	Metabolism	b0088	<i>murD</i>	plu3656_murD	0.397
Cell Membr. & Peptidogl.	BPEN251	<i>cyoB</i>	Bf244_cyoB	0.261	Amino Acid Biosyn.	b3744	<i>asnA</i>	plu0052_asnA	0.338	Metabolism	b3844	<i>ubiB</i>	plu4404_fre	0.399
Cell Membr. & Peptidogl.	BPEN006	<i>atpA</i>	Bf006_atpA	0.272	Amino Acid Biosyn.	b3456	<i>livM</i>	plu4096_livM	0.339	Metabolism	b1292	<i>sapC</i>	plu2589_sapC	0.399
Cell Membr. & Peptidogl.	BPEN047	<i>murA</i>	Bf046_murA	0.274	Amino Acid Biosyn.	b3389	<i>aroB</i>	plu0089_aroB	0.347	Metabolism	b2422	<i>cysA</i>	plu1390_cysA	0.402
Cell Membr. & Peptidogl.	BPEN218	<i>secY</i>	Bf211_secY	0.275	Amino Acid Biosyn.	b0862	<i>artQ</i>	plu1586_artQ	0.350	Metabolism	b3847	<i>pepQ</i>	plu4392_pepQ	0.403
Cell Membr. & Peptidogl.	BPEN458	<i>yoaE</i>	Bf444_yoaE	0.302	Amino Acid Biosyn.	b3959	<i>argB</i>	plu4743_argB	0.350	Metabolism	b3417	<i>malP</i>	plu0470_malP	0.405
Cell Membr. & Peptidogl.	BPEN390	<i>msbA</i>	Bf379_msbA	0.310	Amino Acid Biosyn.	b2421	<i>cysM</i>	plu1391_cysM	0.351	Metabolism	b4237	<i>nrdG</i>	plu4500_nrdG	0.405
Cell Membr. & Peptidogl.	BPEN317	<i>mrdA</i>	Bf309_mrdA	0.350	Amino Acid Biosyn.	b3161	<i>mtR</i>	plu0800_mtR	0.355	Metabolism	b2751	<i>cysN</i>	plu0710_cysN	0.405
Cell Membr. & Peptidogl.	BPEN446	<i>cls</i>	Bf433_cls	0.354	Amino Acid Biosyn.	b3460	<i>livJ</i>	plu4098_livJ	0.357	Metabolism	b2584	<i>yfiQ</i>	plu1272	0.408
Cell Membr. & Peptidogl.	BPEN323	<i>ybeX</i>	Bf315_ybeX	0.366	Amino Acid Biosyn.	b3957	<i>argE</i>	plu4745_argE	0.368	Metabolism	b4018	<i>iclR</i>	plu4392_iclR	0.410
Cell Membr. & Peptidogl.	BPEN042	<i>znuB</i>	Bf041	0.398	Amino Acid Biosyn.	b2678	<i>proW</i>	plu1282_proW	0.378	Metabolism	b0200	<i>yaeD</i>	plu0698	0.412
Cell Membr. & Peptidogl.	BPEN530	<i>cysU</i>	Bf513_cysU	0.405	Amino Acid Biosyn.	b2722	<i>dapE</i>	plu2722_dapE	0.380	Metabolism	b3846	<i>fadB</i>	plu4402_fadB	0.413
Cell Membr. & Peptidogl.	BPEN024	<i>pitA</i>	Bf024_pitA	0.413	Amino Acid Biosyn.	b2677	<i>proV</i>	plu1283_proV	0.381	Metabolism	b2523	<i>pepB</i>	plu3276_pepB	0.415
Cell Membr. & Peptidogl.	BPEN503	<i>nuoH</i>	Bf487_nuoH	0.417	Amino Acid Biosyn.	b2026	<i>hisI</i>	plu1564_hisI	0.382	Metabolism	b0722	<i>sdhD</i>	plu1427_sdhD	0.415
Cell Membr. & Peptidogl.	BPEN145	<i>ftsW</i>	Bf141_ftsW	0.425	Amino Acid Biosyn.	b0907	<i>serC</i>	plu1619_serC	0.382	Metabolism	b0049	<i>apaH</i>	plu0607_apaH	0.416
Cell Membr. & Peptidogl.	BPEN076	<i>psd</i>	Bf074_psd	0.448	Amino Acid Biosyn.	b4254	<i>argI</i>	plu4490_argI	0.384	Metabolism	b0340	<i>cynS</i>	plu0112_cynS	0.416
Cell Membr. & Peptidogl.	BPEN237	<i>yajC</i>	Bf231_yajC	0.483	Amino Acid Biosyn.	b1004	<i>wrbA</i>	plu1964_wrbA	0.387	Metabolism	b0480	<i>ushA</i>	plu3828_ushA	0.417
Cell Membr. & Peptidogl.	BPEN007	<i>atpG</i>	Bf007_atpG	0.489	Amino Acid Biosyn.	b3958	<i>argC</i>	plu4744_argC	0.393	Metabolism	b2817	<i>2put</i>	plu0645_amiC	0.419
Cell Membr. & Peptidogl.	BPEN597	<i>corA</i>	Bf577_corA	0.498	Amino Acid Biosyn.	b0861	<i>artM</i>	plu1585_artM	0.395	Metabolism	b3493	<i>pitA</i>	plu0119_pitA	0.420
Cell Membr. & Peptidogl.	BPEN500	<i>nuoK</i>	Bf484_nuoK	0.499	Amino Acid Biosyn.	b2600	<i>tyrA</i>	plu1263_tyra	0.398	Metabolism	b1189	<i>dadA</i>	plu2561_dadA	0.422
Cell Membr. & Peptidogl.	BPEN140	<i>ftsI</i>	Bf136_ftsI	0.512	Amino Acid Biosyn.	b1704	<i>aroH</i>	plu2630_aroH	0.398	Metabolism	b0422	<i>xseB</i>	plu3885_xseB	0.423
Cell Membr. & Peptidogl.	BPEN144	<i>murD</i>	Bf140_murD	0.518	Amino Acid Biosyn.	b4265	<i>cycA</i>	plu1965	0.400	Metabolism	b1249	<i>cls</i>	plu2487_cls	0.424
Cell Membr. & Peptidogl.	BPEN159	<i>mrcB</i>	Bf154_mrcB	0.519	Amino Acid Biosyn.	b3089	<i>ygiU</i>	plu3991	0.403	Metabolism	b4174	<i>hflK</i>	plu4579_hflK	0.424
Cell Membr. & Peptidogl.	BPEN519	<i>nupC</i>	Bf503_nupC	0.565	Amino Acid Biosyn.	b4024	<i>lysC</i>	plu4380_lysC	0.407	Metabolism	b2750	<i>cysC</i>	plu0711_cysC	0.426
Cell Membr. & Peptidogl.	BPEN316	<i>mrdB</i>	Bf308_mrdB	0.571	Amino Acid Biosyn.	b1263	<i>trpD</i>	plu2464_trpD	0.413	Metabolism	b2221	<i>atoD</i>	plu3799_atoD	0.429
Cell Membr. & Peptidogl.	BPEN012	<i>yidCD</i>	Bf012_yidC	0.573	Amino Acid Biosyn.	b0003	<i>thrB</i>	plu0564_thrB	0.415	Metabolism	b0149	<i>mrcB</i>	plu0883_mrcB	0.429
Cell Membr. & Peptidogl.	BPEN529	<i>cysW</i>	Bf512_cysW	0.585	Amino Acid Biosyn.	b0401	<i>brnQ</i>	plu3909_brnQ	0.416	Metabolism	b4131	<i>yjeK</i>	plu4131	0.429
Cell Membr. & Peptidogl.	BPEN273	<i>igt</i>	Bf265_igt	0.601	Amino Acid Biosyn.	b1260	<i>trpA</i>	plu2467_trpA	0.418	Metabolism	b4322	<i>uxuA</i>	plu0170_uxuA	0.430
Cell Membr. & Peptidogl.	BPEN189	<i>murB</i>	Bf183_murB	0.601	Amino Acid Biosyn.	b2679	<i>proX</i>	plu1281_proX	0.421	Metabolism	b1623	<i>add</i>	plu2362_add	0.430
Cell Membr. & Peptidogl.	BPEN469	<i>mvjN</i>	Bf454_mvjN	0.613	Amino Acid Biosyn.	b3359	<i>argD</i>	plu0394_argD	0.422	Metabolism	b1107	<i>ycfO</i>	plu2822_nagZ	0.431
Cell Membr. & Peptidogl.	BPEN009	<i>atpC</i>	Bf009_atpC	0.618	Amino Acid Biosyn.	b0243	<i>proA</i>	plu1244_proA	0.429	Metabolism	b2798	<i>exo</i>	plu0660_xni	0.437
Cell Membr. & Peptidogl.	BPEN252	<i>cyoA</i>	Bf245_cyoA	0.623	Amino Acid Biosyn.	b4388	<i>serB</i>	plu0551_serB	0.434	Metabolism	b2133	<i>ddl</i>	plu2848_ddl	0.438
Cell Membr. & Peptidogl.	BPEN571	<i>pssA</i>	Bf551_pssA	0.624	Amino Acid Biosyn.	b1907	<i>tyrP</i>	plu3066	0.440	Metabolism	b0092	<i>ddlB</i>	plu3652_ddl	0.438
Cell Membr. & Peptidogl.	BPEN337	<i>sdhC</i>	Bf327_sdhC	0.631	Amino Acid Biosyn.	b4053	<i>alr</i>	plu4358_alr	0.441	Metabolism	b3779	<i>gppA</i>	plu4666_gppA	0.440
Cell Membr. & Peptidogl.	BPEN142	<i>murF</i>	Bf138_murF	0.648	Amino Acid Biosyn.	b4054	<i>tyrB</i>	plu4357_tyrb	0.445	Metabolism	b0904	<i>focA</i>	plu1614_focA	0.443
Cell Membr. & Peptidogl.	BPEN561	<i>lepB</i>	Bf541_lepB	0.671	Amino Acid Biosyn.	b0863	<i>artI</i>	plu1587_artI	0.451	Metabolism	b2425	<i>cysP</i>	plu1387_cysP	0.445
Cell Membr. & Peptidogl.	BPEN499	<i>nuoL</i>	Bf483_nuoL	0.686	Amino Acid Biosyn.	b2599	<i>pheA</i>	plu1265_pheA	0.460	Metabolism	b1294	<i>sapA</i>	plu2587_sapA	0.445
Cell Membr. & Peptidogl.	BPEN498	<i>nuoM</i>	Bf482_nuoM	0.687	Amino Acid Biosyn.	b2838	<i>lysA</i>	plu1191_lysA	0.463	Metabolism	b1661	<i>cfa</i>	plu2608_cfa	0.445
Cell Membr. & Peptidogl.	BPEN147	<i>murC</i>	Bf143_murC	0.690	Amino Acid Biosyn.	b3773	<i>ilvY</i>	plu4669_ilvY	0.479	Metabolism	b3438	<i>gntR</i>	plu0496_gntR	0.447
Cell Membr. & Peptidogl.	BPEN427	<i>pgsA</i>	Bf415_pgsA	0.690	Amino Acid Biosyn.	b2024	<i>hisA</i>	plu1566_hisA	0.489	Metabolism	b0849	<i>grxA</i>	plu1581_grxA	0.452
Cell Membr. & Peptidogl.	BPEN055	<i>yqiA</i>	Bf054_yqiA	0.696	Amino Acid Biosyn.	b2023	<i>hisH</i>	plu1567_hisH	0.508	Metabolism	b1127	<i>pepT</i>	plu2810_pepT	0.454
Cell Membr. & Peptidogl.	BPEN402	<i>emtA</i>	Bf391_emtA	0.698	Amino Acid Biosyn.	b3053	<i>glnE</i>	plu3969_glnE	0.527	Metabolism	b2957	<i>ansB</i>	plu1616_ansB	0.455
Cell Membr. & Peptidogl.	BPEN243	<i>pgpA</i>	Bf237_pgpA	0.703	Amino Acid Biosyn.	b2688	<i>gshA</i>	plu1252_gshA	0.543	Metabolism	b2892	<i>recJ</i>	plu3550_recJ	0.456
Cell Membr. & Peptidogl.	BPEN146	<i>murG</i>	Bf142_murG	0.708	Amino Acid Biosyn.	b2839	<i>lysR</i>	plu1190_lysR	0.544	Metabolism	b3752	<i>rbsK</i>	plu0059_rbsK	0.459
Cell Membr. & Peptidogl.	BPEN141	<i>murE</i>	Bf137_murE	0.711	Amino Acid Biosyn.	b0108	<i>aroP</i>	plu2785_aroP	0.544	Metabolism	b2764	<i>cysJ</i>	plu0703_cysJ	0.460
Cell Membr. & Peptidogl.	BPEN186	<i>yfiO</i>	Bf180_yfiO	0.719	Amino Acid Biosyn.	b3002	<i>metC</i>	plu3942_metC	0.558	Metabolism	b3967	<i>murI</i>	plu4734_murI	0.462
Cell Membr. & Peptidogl.	BPEN303	<i>mrcE</i>	Bf295_mrcE	0.721	Amino Acid Biosyn.	b1264	<i>trpE</i>	plu2462_trpE	0.574	Metabolism	b1584	<i>speG</i>	plu2762_speG	0.464
Cell Membr. & Peptidogl.	BPEN491	<i>omp</i>	Bf475_omp	0.721	Amino Acid Biosyn.	b3769	<i>ilvM</i>	plu4684_ilvM	0.584	Metabolism	b3437	<i>gntK</i>	plu0497_gntK	0.464
Cell Membr. & Peptidogl.	BPEN104	<i>secG</i>	BfT0096	0.729	Amino Acid Biosyn.	b0630	<i>lipB</i>	plu1292_lipB	0.588	Metabolism	b1286	<i>rnb</i>	plu2384_rnb	0.465
Cell Membr. & Peptidogl.	BPEN322	<i>Int</i>	Bf314_Int	0.739	Amino Acid Biosyn.	b1262	<i>trpC</i>	plu2465_trpC	0.620	Metabolism	b0433	<i>ampG</i>	plu3873_ampG	0.467
Cell Membr. & Peptidogl.	BPEN080	<i>amiB</i>	Bf078_amiB	0.742	Amino Acid Biosyn.	b3281	<i>aroE</i>	plu4691_aroE	0.736	Metabolism	b1098	<i>tmk</i>	plu2528_tmk	0.469
Cell Membr. & Peptidogl.	BPEN238	<i>secD</i>	Bf232_secD	0.750	Amino Acid Biosyn.	b0402	<i>proY</i>	plu3191	0.741	Metabolism	b1329	<i>2put</i>	plu2578_mppA	0.470
Cell Membr. & Peptidogl.	BPEN004	<i>atpF</i>	Bf004_atpF	0.753	Amino Acid Biosyn.	b0076	<i>leuO</i>	plu3672_leuO	0.766	Metabolism	b2585	<i>2put</i>	plu1271_pssA	0.472
Cell Membr. & Peptidogl.	BPEN287	<i>yaeT</i>	Bf279_yaeT	0.773	Amino Acid Biosyn.	b4393	<i>trpR</i>	plu0557_trpR	0.779	Metabolism	b1524	<i>yhneH</i>	plu1172	0.473
Cell Membr. & Peptidogl.	BPEN654	<i>ftsY</i>	Bf627_ftsY	0.783	Amino Acid Biosyn.	b3447	<i>ggt</i>	plu3908_ggt	1.081	Metabolism	b3234	<i>degQ</i>	plu4018_degQ	0.477
Cell Membr. & Peptidogl.	BPEN250	<i>cyoC</i>	Bf243_cyoC	0.787	Amino Acid Biosyn.	b3671	<i>ilvB</i>	plu4685_ilvB	1.258	Metabolism	b2539	<i>hcaA2</i>	plu2205_hcaF	0.480
Cell Membr. & Peptidogl.	BPEN509	<i>nuoA</i>	Bf493_nuoA	0.801	Amino Acid Biosyn.	b0388	<i>aroL</i>	plu1245_aroL	1.291	Metabolism	b4152	<i>frdC</i>	plu4126_frdC	0.480
Cell Membr. & Peptidogl.	BPEN061	<i>ygiH</i>	Bf060_ygiH	0.821	Amino Acid Biosyn.	b1920	<i>fliY</i>	plu4487	1.697	Metabolism	b1807	<i>ycaZ</i>	plu2132	0.485

Cell Membr. & Peptidogl.	BPEN375	<i>lpp</i>	Bfl364_lpp	0.830	Amino Acid Biosyn.	b0386	<i>proC</i>	plu1179_proC	2.361	Metabolism	b1865	<i>ntpA</i>	plu2108_nudB	0.489
Cell Membr. & Peptidogl.	BPEN249	<i>cyoD</i>	Bfl242_cyoD	0.842	Amino Acid Biosyn.	b0674	<i>asnB</i>	plu2770	2.555	Metabolism	b2222	<i>atoA</i>	plu3800_atoA	0.491
Cell Membr. & Peptidogl.	BPEN170	<i>ygbQ</i>	Bfl165_ygbQ	0.848	Amino Acid Biosyn.	b3172	<i>argG</i>	plu4742_argG	2.849	Metabolism	b2011	<i>sbcB</i>	plu2847_sbcB	0.491
Cell Membr. & Peptidogl.	BPEN490	<i>ddlA</i>	Bfl474_ddlA	0.849	Amino Acid Biosyn.	b2021	<i>hisC</i>	plu1443	3.208	Metabolism	b0751	<i>pnuC</i>	plu1469_pnuC	0.499
Cell Membr. & Peptidogl.	BPEN408	<i>lolC</i>	Bfl396_ycfU	0.883	Cell Membr. & Peptidog.	b3737	<i>atpE</i>	plu0045_atpE	0.000	Metabolism	b0452	<i>tesB</i>	plu3855_tesB	0.501
Cell Membr. & Peptidogl.	BPEN143	<i>mraY</i>	Bfl139_mraY	0.896	Cell Membr. & Peptidog.	b3300	<i>prlA</i>	plu4706_secY	0.021	Metabolism	b2413	<i>cysZ</i>	plu1396_cysZ	0.501
Cell Membr. & Peptidogl.	BPEN304	<i>mreD</i>	Bfl296_mreD	0.908	Cell Membr. & Peptidog.	b3732	<i>atpD</i>	plu0040_atpD	0.062	Metabolism	b4214	<i>cysQ</i>	plu4559_cysQ	0.502
Cell Membr. & Peptidogl.	BPEN406	<i>lolE</i>	Bfl394_lolE	0.909	Cell Membr. & Peptidog.	b2279	<i>nuoK</i>	plu3080_nuoK	0.085	Metabolism	b0677	<i>nagA</i>	plu1316_nagA	0.506
Cell Membr. & Peptidogl.	BPEN239	<i>secF</i>	Bfl233_secF	0.923	Cell Membr. & Peptidog.	b0094	<i>ftsA</i>	plu3650_ftsA	0.090	Metabolism	b2344	<i>fadL</i>	plu3202_fadL	0.507
Cell Membr. & Peptidogl.	BPEN497	<i>nuoN</i>	Bfl481_nuoN	0.926	Cell Membr. & Peptidog.	b3734	<i>atpA</i>	plu0042_atpA	0.096	Metabolism	b0400	<i>phoR</i>	plu3910_phoR	0.508
Cell Membr. & Peptidogl.	BPEN247	<i>yajR</i>	Bfl240_yajR	0.927	Cell Membr. & Peptidog.	b1175	<i>minD</i>	plu2137_minD	0.101	Metabolism	b3012	<i>yqhE</i>	plu3946_dkgA	0.510
Cell Membr. & Peptidogl.	BPEN285	<i>cdsA</i>	Bfl277_cdsA	0.931	Cell Membr. & Peptidog.	b0087	<i>mraY</i>	plu3657_mraY	0.112	Metabolism	b2509	<i>xseA</i>	plu2714_xseA	0.511
Cell Membr. & Peptidogl.	BPEN583	<i>secE</i>	Bfl563_secE	0.936	Cell Membr. & Peptidog.	b1245	<i>oppC</i>	plu2491_oppC	0.113	Metabolism	b3753	<i>rbsR</i>	plu0060_rbsR	0.512
Cell Membr. & Peptidogl.	BPEN005	<i>atpH</i>	Bfl005_atpH	0.977	Cell Membr. & Peptidog.	b3733	<i>atpG</i>	plu0041_atpG	0.123	Metabolism	b3569	<i>xyIR</i>	plu2274_xyIR	0.516
Cell Membr. & Peptidogl.	BPEN286	<i>ecfE</i>	Bfl278_yaeL	0.997	Cell Membr. & Peptidog.	b1244	<i>oppB</i>	plu2492_oppB	0.126	Metabolism	b0610	<i>rnk</i>	plu4046_rnk	0.516
Cell Membr. & Peptidogl.	BPEN338	<i>sdhD</i>	Bfl328_sdhD	1.039	Cell Membr. & Peptidog.	b3178	<i>hflB</i>	plu4535_ftsH	0.129	Metabolism	b1238	<i>tdk</i>	plu2497_tdk	0.516
Cell Membr. & Peptidogl.	BPEN123	<i>lspA</i>	Bfl119_lspA	1.055	Cell Membr. & Peptidog.	b4032	<i>malG</i>	plu0460_malG	0.137	Metabolism	b4323	<i>uxuB</i>	plu0171_uxuB	0.517
Cell Membr. & Peptidogl.	BPEN501	<i>nuoJ</i>	Bfl485_nuoJ	1.088	Cell Membr. & Peptidog.	b3543	<i>dppB</i>	plu0301_dppB	0.139	Metabolism	b2319	<i>usg</i>	plu3174_usg	0.517
Cell Membr. & Peptidogl.	BPEN173	<i>nlpD</i>	Bfl167_nlpD	1.094	Cell Membr. & Peptidog.	b1627	<i>zorF</i>	plu2377_rnfA	0.140	Metabolism	b1412	<i>acpD</i>	plu2149_acpD	0.517
Cell Membr. & Peptidogl.	BPEN037	<i>yjgQ</i>	Bfl037_yjgQ	1.116	Cell Membr. & Peptidog.	b1247	<i>oppF</i>	plu2489_oppF	0.146	Metabolism	b3998	<i>nfi</i>	plu0490_nfi	0.519
Cell Membr. & Peptidogl.	BPEN133	<i>imp</i>	Bfl129_imp	1.185	Cell Membr. & Peptidog.	b1602	<i>pntB</i>	plu2168_pntB	0.147	Metabolism	b4213	<i>cpdB</i>	plu3927_cpdB	0.519
Cell Membr. & Peptidogl.	BPEN036	<i>yjgP</i>	Bfl036_yjgP	1.192	Cell Membr. & Peptidog.	b3736	<i>atpF</i>	plu0044_atpF	0.153	Metabolism	b3589	<i>yiaY</i>	plu1563	0.519
Cell Membr. & Peptidogl.	BPEN397	<i>ftsK</i>	Bfl386_ftsK	1.213	Cell Membr. & Peptidog.	b3189	<i>murA</i>	plu4028_murA	0.156	Metabolism	b3232	<i>yhcM</i>	plu4016	0.522
Cell Membr. & Peptidogl.	BPEN566	<i>smpA</i>	Bfl546_smpA	1.916	Cell Membr. & Peptidog.	b0737	<i>toiQ</i>	plu1452_toiQ	0.160	Metabolism	b3235	<i>degS</i>	plu4022_degS	0.525
Cell Processes	BPEN302	<i>mreB</i>	Bfl294_mreB	0.054	Cell Membr. & Peptidog.	b2282	<i>nuoH</i>	plu3083_nuoH	0.160	Metabolism	b0721	<i>sdhC</i>	plu1426_sdhC	0.529
Cell Processes	BPEN462	<i>cspC</i>	Bfl448_cspC	0.060	Cell Membr. & Peptidog.	b0198	<i>yaeE</i>	plu0696_metI	0.165	Metabolism	b4239	<i>treC</i>	plu3287_treC	0.529
Cell Processes	BPEN150	<i>ftsZ</i>	Bfl146_ftsZ	0.125	Cell Membr. & Peptidog.	b3528	<i>dctA</i>	plu3205_dctA	0.171	Metabolism	b0429	<i>cyoD</i>	plu3878_cyoD	0.530
Cell Processes	BPEN149	<i>ftsA</i>	Bfl145_ftsA	0.162	Cell Membr. & Peptidog.	b0658	<i>ybeX</i>	plu1309_corC	0.173	Metabolism	b0339	<i>cynT</i>	plu0111_cynT	0.530
Cell Processes	BPEN017	<i>ibpA</i>	Bfl018_ibpA	0.173	Cell Membr. & Peptidog.	b3542	<i>dppC</i>	plu0302_dppC	0.178	Metabolism	b3892	<i>fdol</i>	plu4889_fdol	0.531
Cell Processes	BPEN518	<i>mntH</i>	Bfl502_mntH	0.213	Cell Membr. & Peptidog.	b0407	<i>yajC</i>	plu3903_yajC	0.181	Metabolism	b2813	<i>mltA</i>	plu0648_mltA	0.531
Cell Processes	BPEN454	<i>minD</i>	Bfl440_minD	0.230	Cell Membr. & Peptidog.	b3726	<i>pstA</i>	plu0216_pstA	0.182	Metabolism	b2540	<i>hcaC</i>	plu2206_hcaC	0.532
Cell Processes	BPEN470	<i>yceL</i>	Bfl455_yceL	0.235	Cell Membr. & Peptidog.	b3816	<i>corA</i>	plu4635_corA	0.183	Metabolism	b2829	<i>ptsP</i>	plu0621_ptsP	0.532
Cell Processes	BPEN653	<i>rpoH</i>	Bfl626_rpoH	0.238	Cell Membr. & Peptidog.	b3731	<i>atpC</i>	plu0039_atpC	0.185	Metabolism	b2302	<i>yfcG</i>	plu3164	0.532
Cell Processes	BPEN272	<i>ygdP</i>	Bfl264_ygdP	0.276	Cell Membr. & Peptidog.	b4291	<i>fecA</i>	plu4446_fecA	0.187	Metabolism	b2388	<i>glk</i>	plu1405_glk	0.536
Cell Processes	BPEN528	<i>cysA</i>	Bfl511_cysA	0.283	Cell Membr. & Peptidog.	b0733	<i>cydA</i>	plu1449_cydA	0.188	Metabolism	b1397	<i>2put</i>	plu0146	0.537
Cell Processes	BPEN380	<i>slyA</i>	Bfl369_slyA	0.294	Cell Membr. & Peptidog.	b3727	<i>psrC</i>	plu0215_psrC	0.193	Metabolism	b3934	<i>cytR</i>	plu4760_cytR	0.546
Cell Processes	BPEN175	<i>csrA</i>	Bfl169_csrA	0.317	Cell Membr. & Peptidog.	b4138	<i>dcuA</i>	plu4138_dcuA	0.200	Metabolism	b0086	<i>murF</i>	plu3658_murF	0.551
Cell Processes	BPEN235	<i>ahpC</i>	Bfl228_ahpC	0.333	Cell Membr. & Peptidog.	b3849	<i>trkH</i>	plu4399_trkH	0.208	Metabolism	b3249	<i>mreD</i>	plu4069_mreD	0.554
Cell Processes	BPEN317	<i>mrdA</i>	Bfl309_mrdA	0.350	Cell Membr. & Peptidog.	b1818	<i>manY</i>	plu2698_manY	0.209	Metabolism	b0363	<i>phoA</i>	plu4256_phoA	0.554
Cell Processes	BPEN446	<i>cls</i>	Bfl433_cls	0.354	Cell Membr. & Peptidog.	b0914	<i>msbA</i>	plu1630_msbA	0.209	Metabolism	b2661	<i>gabD</i>	plu0984_gabD	0.558
Cell Processes	BPEN001	<i>gidA</i>	Bfl001_gidA	0.362	Cell Membr. & Peptidog.	b3290	<i>trkA</i>	plu4698_trkA	0.210	Metabolism	b0657	<i>int</i>	plu1308_int	0.559
Cell Processes	BPEN253	<i>clpP</i>	Bfl246_clpP	0.394	Cell Membr. & Peptidog.	b0489	<i>ybbK</i>	plu3821	0.210	Metabolism	b2479	<i>gcvR</i>	plu2747_gcvR	0.564
Cell Processes	BPEN145	<i>ftsW</i>	Bfl141_ftsW	0.425	Cell Membr. & Peptidog.	b0091	<i>murC</i>	plu3653_murC	0.212	Metabolism	b0494	<i>tesA</i>	plu3818_tesA	0.566
Cell Processes	BPEN305	<i>tdlD</i>	Bfl297_tdlD	0.444	Cell Membr. & Peptidog.	b2885	<i>yglR</i>	plu4423	0.212	Metabolism	b2805	<i>fucR</i>	plu4112_fucR	0.574
Cell Processes	BPEN196	<i>bfr</i>	Bfl189_bfr	0.460	Cell Membr. & Peptidog.	b0741	<i>pal</i>	plu1456_pal	0.213	Metabolism	b0330	<i>prpR</i>	plu3543_prpR	0.577
Cell Processes	BPEN028	<i>ssb</i>	Bfl028_ssb	0.470	Cell Membr. & Peptidog.	b1603	<i>pntA</i>	plu2167_pntA	0.214	Metabolism	b3208	<i>mtgA</i>	plu4006_mtgA	0.578
Cell Processes	BPEN449	<i>xthA</i>	Bfl435_xthA	0.493	Cell Membr. & Peptidog.	b2313	<i>cvpA</i>	plu3168_cvpA	0.216	Metabolism	b4160	<i>psd</i>	plu4597_psd	0.581
Cell Processes	BPEN140	<i>ftsI</i>	Bfl136_ftsI	0.512	Cell Membr. & Peptidog.	b0431	<i>cyoB</i>	plu3876_cyoB	0.217	Metabolism	b1680	<i>zorF</i>	plu2618_zorF	0.587
Cell Processes	BPEN159	<i>mrcB</i>	Bfl154_mrcB	0.519	Cell Membr. & Peptidog.	b2424	<i>cysU</i>	plu1388_cysU	0.221	Metabolism	b2341	<i>2put</i>	plu3200	0.590
Cell Processes	BPEN021	<i>sodA</i>	Bfl022_sodA	0.533	Cell Membr. & Peptidog.	b3405	<i>ompR</i>	plu0212_ompR	0.226	Metabolism	b1084	<i>rne</i>	plu2841_rne	0.593
Cell Processes	BPEN383	<i>nth</i>	Bfl372_nth	0.550	Cell Membr. & Peptidog.	b3893	<i>fdoH</i>	plu4888_fdoH	0.226	Metabolism	b0432	<i>cyoA</i>	plu3875_cyoA	0.594
Cell Processes	BPEN537	<i>bcp</i>	Bfl519_bcp	0.562	Cell Membr. & Peptidog.	b3750	<i>rbsC</i>	plu0057_rbsC	0.227	Metabolism	b1804	<i>rnd</i>	plu2235_rnd	0.595
Cell Processes	BPEN316	<i>mrdB</i>	Bfl308_mrdB	0.571	Cell Membr. & Peptidog.	b0408	<i>secD</i>	plu3902_secD	0.229	Metabolism	b2169	<i>fruB</i>	plu1992_fruB	0.595
Cell Processes	BPEN622	<i>fpr</i>	Bfl600_fpr	0.580	Cell Membr. & Peptidog.	b0634	<i>mrdB</i>	plu1296_rsdA	0.233	Metabolism	b4324	<i>uxuR</i>	plu0171_uxuR	0.601
Cell Processes	BPEN306	<i>pmbA</i>	Bfl298_pmbA	0.585	Cell Membr. & Peptidog.	b1829	<i>htpX</i>	plu2681_htpX	0.238	Metabolism	b3032	<i>icc</i>	plu3952_icc	0.602
Cell Processes	BPEN011	<i>trmE</i>	Bfl011_trmE	0.592	Cell Membr. & Peptidog.	b1246	<i>oppD</i>	plu2490_oppD	0.245	Metabolism	b3092	<i>uxaC</i>	plu0176_uxaC	0.602
Cell Processes	BPEN469	<i>mviN</i>	Bfl454_mviN	0.613	Cell Membr. & Peptidog.	b3911	<i>cpxA</i>	plu4795_cpxA	0.246	Metabolism	b2901	<i>bgIA</i>	plu2273_bgIA	0.606
Cell Processes	BPEN130	<i>ksgA</i>	Bfl126_ksgA	0.615	Cell Membr. & Peptidog.	b3057	<i>bacA</i>	plu3973_bacA	0.250	Metabolism	b2429	<i>2put</i>	plu0402	0.614
Cell Processes	BPEN142	<i>murF</i>	Bfl138_murF	0.648	Cell Membr. & Peptidog.	b1859	<i>yebI</i>	plu2113_znuB	0.251	Metabolism	b2541	<i>hcaB</i>	plu2207_hcaB	0.622
Cell Processes	BPEN453	<i>minC</i>	Bfl439_minC	0.676	Cell Membr. & Peptidog.	b2365	<i>dsdX</i>	plu1969_dsdX	0.254	Metabolism	b0146	<i>sfsA</i>	plu0877_sfsA	0.627
Cell Processes	BPEN109	<i>rbfA</i>	Bfl105_rbfA	0.734	Cell Membr. & Peptidog.	b2277	<i>nuoM</i>	plu3078_nuoM	0.255	Metabolism	b0739	<i>tolA</i>	plu1454_tolA	0.628
Cell Processes	BPEN139	<i>ftsL</i>	Bfl135_ftsL	0.734	Cell Membr. & Peptidog.	b1069	<i>mviN</i>	plu2091_mviN	0.256	Metabolism	b3416	<i>malQ</i>	plu0469_malQ	0.634
Cell Processes	BPEN080	<i>amiB</i>	Bfl078_amiB	0.742	Cell Membr. & Peptidog.	b0697	<i>kdpB</i>	plu1419_kdpB	0.257	Metabolism	b1746	<i>2put</i>	plu3108_astD	0.636
Cell Processes	BPEN654	<i>ftsY</i>	Bfl627_ftsY	0.783	Cell Membr. & Peptidog.	b4072	<i>yjcG</i>	plu40072	0.258	Metabolism	b3469	<i>zntA</i>	plu4108_zntA	0.636
Cell Processes	BPEN100	<i>rrmJ</i>	Bfl097_ftsJ	0.796	Cell Membr. & Peptidog.	b0089	<i>ftsW</i>	plu3655_ftsW	0.258	Metabolism	b0434	<i>yajG</i>	plu3872	0.636
Cell Processes	BPEN170	<i>ygbQ</i>	Bfl165_ygbQ	0.848	Cell Membr. & Peptidog.	b1887	<i>cheW</i>	plu1852_cheW	0.261	Metabolism	b1338	<i>ydaJ</i>	plu3726_abgA	0.644
Cell Processes	BPEN071	<i>cutA</i>	Bfl069_cutA	0.917	Cell Membr. & Peptidog.	b3654	<i>yicE</i>	plu0247	0.261	Metabolism	b1745	<i>zorF</i>	plu3107_astB	0.646

Cell Processes	BPEN247	<i>yajR</i>	Bfl240_yajR	0.927	Cell Membr. & Peptidog.	b0084	<i>ftsI</i>	plu3660_ftsI	0.264	Metabolism	b1684	<i>ydiC</i>	plu2622_sufA	0.647
Cell Processes	BPEN286	<i>ecfE</i>	Bfl278_yaeL	0.997	Cell Membr. & Peptidog.	b1819	<i>manZ</i>	plu2699_manZ	0.264	Metabolism	b3748	<i>rbsD</i>	plu0055_rbsD	0.648
Cell Processes	BPEN148	<i>ftsQ</i>	Bfl144_ftsQ	1.003	Cell Membr. & Peptidog.	b3194	<i>yrbE</i>	plu4033	0.265	Metabolism	b0921	<i>smtA</i>	plu1636_smtA	0.652
Cell Processes	BPEN133	<i>imp</i>	Bfl129_imp	1.185	Cell Membr. & Peptidog.	b2317	<i>dedA</i>	plu3172_dedA	0.266	Metabolism	b1337	<i>zorF</i>	plu3725_abgB	0.653
Cell Processes	BPEN455	<i>minE</i>	Bfl441_minE	1.201	Cell Membr. & Peptidog.	b30975	<i>ygiH</i>	plu30975	0.270	Metabolism	b1766	<i>sgpA</i>	plu2553_sgpA	0.656
Cell Processes	BPEN397	<i>ftsK</i>	Bfl386_ftsK	1.213	Cell Membr. & Peptidog.	b2278	<i>nuoL</i>	plu3079_nuoL	0.276	Metabolism	b4312	<i>jimB</i>	plu0260	0.660
Chaperonins	BPEN073	<i>groEL</i>	Bfl071_mopA	0.019	Cell Membr. & Peptidog.	b3735	<i>atpH</i>	plu0043_atpH	0.276	Metabolism	b2836	<i>aas</i>	plu1246_aas	0.660
Chaperonins	BPEN072	<i>groES</i>	Bfl070_mopB	0.053	Cell Membr. & Peptidog.	b0462	<i>acrB</i>	plu3852_acrB	0.277	Metabolism	b2519	<i>pbpC</i>	plu1371_pbpC	0.663
Chaperonins	BPEN118	<i>dnaK</i>	Bfl114_dnaK	0.121	Cell Membr. & Peptidog.	b3436	<i>gntU1</i>	plu0498_gntU1	0.278	Metabolism	b1272	<i>sohB</i>	plu2439_sohB	0.666
Chaperonins	BPEN119	<i>dnaJ</i>	Bfl115_dnaJ	0.182	Cell Membr. & Peptidog.	b1677	<i>lpp</i>	plu2615_lpp	0.278	Metabolism	b0418	<i>pgpA</i>	plu3895_pgpA	0.667
Chaperonins	BPEN370	<i>sufB</i>	Bfl359_sufB	0.253	Cell Membr. & Peptidog.	b3869	<i>glnL</i>	plu0236_glnL	0.278	Metabolism	b1748	<i>cstC</i>	plu3110_argM	0.671
Chaperonins	BPEN278	<i>map</i>	Bfl270_map	0.359	Cell Membr. & Peptidog.	b2832	<i>2put</i>	plu3679	0.281	Metabolism	b1059	<i>2put</i>	plu2094	0.676
Chaperonins	BPEN188	<i>clpB</i>	Bfl182_clpB	0.364	Cell Membr. & Peptidog.	b0177	<i>yaeT</i>	plu0680_yaeT	0.289	Metabolism	b4136	<i>dsbD</i>	plu4139_dsbD	0.683
Chaperonins	BPEN564	<i>grpE</i>	Bfl544_grpE	0.418	Cell Membr. & Peptidog.	b3175	<i>secG</i>	plu4532_secG	0.289	Metabolism	b0398	<i>sbcD</i>	plu3912_sbcD	0.687
Chaperonins	BPEN154	<i>dksA</i>	Bfl149_dksA	0.440	Cell Membr. & Peptidog.	b0221	<i>yafH</i>	plu1192	0.294	Metabolism	b3188	<i>nlp</i>	plu4546	0.687
Chaperonins	BPEN288	<i>hlpA</i>	Bfl280_hlpA	0.478	Cell Membr. & Peptidog.	b2393	<i>nupC</i>	plu1399_nupC	0.294	Metabolism	b2096	<i>gatY</i>	plu0839_gatY	0.696
Chaperonins	BPEN254	<i>clpX</i>	Bfl247_clpX	0.486	Cell Membr. & Peptidog.	b0409	<i>secF</i>	plu3901_secF	0.298	Metabolism	b2822	<i>recC</i>	plu0630_recC	0.699
Chaperonins	BPEN232	<i>dnaQ</i>	Bfl225_dnaQ	0.569	Cell Membr. & Peptidog.	b2075	<i>yegN</i>	plu2775	0.302	Metabolism	b2552	<i>hmpA</i>	plu3292_hmpA	0.701
Chaperonins	BPEN002	<i>atpB</i>	Bfl002_atpB	0.594	Cell Membr. & Peptidog.	b3496	<i>yhiP</i>	plu0973	0.303	Metabolism	b1960	<i>vsr</i>	plu0339_vsr	0.709
Chaperonins	BPEN452	<i>dsbB</i>	Bfl438_dsbB	1.027	Cell Membr. & Peptidog.	b3839	<i>yigU</i>	plu4408_tatC	0.303	Metabolism	b2810	<i>zorF</i>	plu0651_csdA	0.711
Chaperonins	BPEN396	<i>lola</i>	Bfl385_lola	1.108	Cell Membr. & Peptidog.	b4233	<i>yifG</i>	plu4549_mpl	0.304	Metabolism	b2820	<i>recB</i>	plu0632_recB	0.717
Chaperonins	BPEN132	<i>surA</i>	Bfl128_surA	1.229	Cell Membr. & Peptidog.	b1729	<i>2par</i>	plu2680	0.308	Metabolism	b2016	<i>2put</i>	plu1571	0.721
Cofactor Biosyn.	BPEN437	<i>ribA</i>	Bfl425_ribA	0.250	Cell Membr. & Peptidog.	b1514	<i>ydeY</i>	plu3144_lsrC	0.310	Metabolism	b0175	<i>cdsA</i>	plu0678_cdsA	0.726
Cofactor Biosyn.	BPEN487	<i>folE</i>	Bfl472_folE	0.274	Cell Membr. & Peptidog.	b1089	<i>yadH</i>	plu0869_yadH	0.310	Metabolism	b0947	<i>yorF</i>	plu1763	0.727
Cofactor Biosyn.	BPEN067	<i>ribB</i>	Bfl065_ribB	0.276	Cell Membr. & Peptidog.	b1515	<i>ydeZ</i>	plu3145_lsrD	0.311	Metabolism	b2364	<i>dsdC</i>	plu1968_dsdC	0.736
Cofactor Biosyn.	BPEN647	<i>ubiD</i>	Bfl620_yigC	0.315	Cell Membr. & Peptidog.	b0738	<i>tolR</i>	plu1453_tolR	0.312	Metabolism	b1190	<i>dadX</i>	plu2560_dadX	0.736
Cofactor Biosyn.	BPEN244	<i>dxs</i>	Bfl238_dxs	0.322	Cell Membr. & Peptidog.	b2276	<i>nuoN</i>	plu3077_nuoN	0.313	Metabolism	b2166	<i>yeiC</i>	plu4352	0.738
Cofactor Biosyn.	BPEN313	<i>folD</i>	Bfl305_folD	0.324	Cell Membr. & Peptidog.	b1805	<i>fadD</i>	plu2134_fadD	0.315	Metabolism	b2289	<i>lrhA</i>	plu3090_lrhA	0.743
Cofactor Biosyn.	BPEN284	<i>uppS</i>	Bfl276_uppS	0.331	Cell Membr. & Peptidog.	b2963	<i>mltC</i>	plu1167_mltC	0.317	Metabolism	b3708	<i>tnaA</i>	plu0799_tnaA	0.744
Cofactor Biosyn.	BPEN451	<i>gapA</i>	Bfl437_gapA	0.337	Cell Membr. & Peptidog.	b3981	<i>secE</i>	plu0433_secE	0.318	Metabolism	b2143	<i>cdd</i>	plu1547_cdd	0.757
Cofactor Biosyn.	BPEN601	<i>hemC</i>	Bfl580_hemC	0.366	Cell Membr. & Peptidog.	b1293	<i>sapB</i>	plu2588_sapB	0.320	Metabolism	b0160	<i>dgt</i>	plu0907_dgt	0.766
Cofactor Biosyn.	BPEN565	<i>yfiB</i>	Bfl545_yfiB	0.372	Cell Membr. & Peptidog.	b0635	<i>mrDA</i>	plu1297_pbpA	0.327	Metabolism	b3613	<i>yibP</i>	plu4841	0.772
Cofactor Biosyn.	BPEN386	<i>ubiX</i>	Bfl375_ubiX	0.393	Cell Membr. & Peptidog.	b2686	<i>emrB</i>	plu1275_emrB	0.327	Metabolism	b0211	<i>dniR</i>	plu0939_mltD	0.781
Cofactor Biosyn.	BPEN648	<i>ubiB</i>	Bfl621_aarF	0.403	Cell Membr. & Peptidog.	b2076	<i>yegO</i>	plu2776	0.330	Metabolism	b0099	<i>mutT</i>	plu3644_mutT	0.783
Cofactor Biosyn.	BPEN095	<i>ispB</i>	Bfl092_ispB	0.429	Cell Membr. & Peptidog.	b0792	<i>ybhR</i>	plu1506_ybhR	0.334	Metabolism	b3972	<i>murB</i>	plu4733_murB	0.787
Cofactor Biosyn.	BPEN240	<i>ribD</i>	Bfl234_ribD	0.433	Cell Membr. & Peptidog.	b3396	<i>mrcA</i>	plu0095_mrcA	0.335	Metabolism	b2120	<i>narP</i>	plu2720_narP	0.795
Cofactor Biosyn.	BPEN588	<i>pabA</i>	Bfl568_pabA	0.441	Cell Membr. & Peptidog.	b4151	<i>frdD</i>	plu4127_frdD	0.335	Metabolism	b3425	<i>glpE</i>	plu0197_glpE	0.798
Cofactor Biosyn.	BPEN556	<i>glyA</i>	Bfl536_glyA	0.444	Cell Membr. & Peptidog.	b3705	<i>yidC</i>	plu4906	0.338	Metabolism	b3385	<i>gph</i>	plu0085_gph	0.799
Cofactor Biosyn.	BPEN649	<i>ubiE</i>	Bfl622_ubiE	0.445	Cell Membr. & Peptidog.	b0875	<i>aqpZ</i>	plu2033_aqpZ	0.341	Metabolism	b2736	<i>2put</i>	plu2507	0.809
Cofactor Biosyn.	BPEN559	<i>pdxJ</i>	Bfl539_pdxJ	0.503	Cell Membr. & Peptidog.	b0090	<i>murG</i>	plu3654_murG	0.342	Metabolism	b3124	<i>yhuD</i>	plu4100_garK	0.809
Cofactor Biosyn.	BPEN121	<i>ribF</i>	Bfl117_ribF	0.510	Cell Membr. & Peptidog.	b2280	<i>nuoJ</i>	plu3081_nuoJ	0.342	Metabolism	b4169	<i>amiB</i>	plu4584_amiB	0.816
Cofactor Biosyn.	BPEN457	<i>pabB</i>	Bfl443_pabB	0.512	Cell Membr. & Peptidog.	b2167	<i>fruA</i>	plu1993_fruA	0.346	Metabolism	b4241	<i>treR</i>	plu3289_treR	0.826
Cofactor Biosyn.	BPEN381	<i>pdxH</i>	Bfl370_pdxH	0.516	Cell Membr. & Peptidog.	b0734	<i>cydB</i>	plu1450_cydB	0.346	Metabolism	b4392	<i>slt</i>	plu0556_slT	0.845
Cofactor Biosyn.	BPEN166	<i>cysG</i>	Bfl161_cysG	0.529	Cell Membr. & Peptidog.	b1632	<i>ydgQ</i>	plu2382_rfnE	0.353	Metabolism	b2819	<i>recD</i>	plu0633_recD	0.847
Cofactor Biosyn.	BPEN131	<i>pdxA</i>	Bfl127_pdxA	0.537	Cell Membr. & Peptidog.	b1890	<i>motA</i>	plu1849_motA	0.353	Metabolism	b1594	<i>mlc</i>	plu2226_mlc	0.850
Cofactor Biosyn.	BPEN241	<i>ribH</i>	Bfl235_ribH	0.538	Cell Membr. & Peptidog.	b0006	<i>yaaA</i>	plu0566	0.355	Metabolism	b3132	<i>agaZ</i>	plu0833_agaZ	0.857
Cofactor Biosyn.	BPEN630	<i>hldD</i>	Bfl607_rfaD	0.565	Cell Membr. & Peptidog.	b3464	<i>ftsY</i>	plu4104_ftsY	0.356	Metabolism	b2821	<i>ptr</i>	plu0631_ptrA	0.858
Cofactor Biosyn.	BPEN377	<i>ribE</i>	Bfl366_ribE	0.568	Cell Membr. & Peptidog.	b4289	<i>fecC</i>	plu4448_fecC	0.359	Metabolism	b4037	<i>malM</i>	plu0455_malM	0.880
Cofactor Biosyn.	BPEN102	<i>folP</i>	Bfl099_folP	0.594	Cell Membr. & Peptidog.	b3210	<i>arcB</i>	plu4008_arcB	0.359	Metabolism	b0622	<i>crcA</i>	plu2784	0.881
Cofactor Biosyn.	BPEN521	<i>gltX</i>	Bfl504_gltX	0.609	Cell Membr. & Peptidog.	b2828	<i>lgt</i>	plu0622_lgt	0.362	Metabolism	b1681	<i>yhjC</i>	plu2619_sufD	0.883
Cofactor Biosyn.	BPEN414	<i>pabC</i>	Bfl402_pabC	0.678	Cell Membr. & Peptidog.	b3795	<i>yifK</i>	plu4650_yifK	0.363	Metabolism	b0338	<i>cynR</i>	plu0110_cynR	0.889
Cofactor Biosyn.	BPEN493	<i>ubiG</i>	Bfl477_ubiG	0.683	Cell Membr. & Peptidog.	b3409	<i>feoB</i>	plu0208_feoB	0.366	Metabolism	b0212	<i>glnB</i>	plu0940_glnB	0.901
Cofactor Biosyn.	BPEN602	<i>hemD</i>	Bfl581_hemD	0.694	Cell Membr. & Peptidog.	b0430	<i>cyoC</i>	plu3877_cyoC	0.368	Metabolism	b0679	<i>nagE</i>	plu1318_nagE	0.906
Cofactor Biosyn.	BPEN248	<i>cyoE</i>	Bfl241_cyoE	0.730	Cell Membr. & Peptidog.	b4240	<i>treB</i>	plu3288_treB	0.368	Metabolism	b1747	<i>zorF</i>	plu3109_astA	0.915
Cofactor Biosyn.	BPEN246	<i>thil</i>	Bfl239_thil	0.733	Cell Membr. & Peptidog.	b2288	<i>nuoA</i>	plu3089_nuoA	0.371	Metabolism	b2245	<i>zorF</i>	plu0982_hpaI	0.924
Cofactor Biosyn.	BPEN041	<i>znuC</i>	Bfl040	0.733	Cell Membr. & Peptidog.	b0085	<i>murE</i>	plu3659_murE	0.371	Metabolism	b1033	<i>yedW</i>	plu2086	0.927
Cofactor Biosyn.	BPEN513	<i>pdxB</i>	Bfl497_pdxB	0.763	Cell Membr. & Peptidog.	b3792	<i>wzxE</i>	plu4654_wzxE	0.372	Metabolism	b3945	<i>gldA</i>	plu4115_gldA	0.940
Cofactor Biosyn.	BPEN025	<i>ubiA</i>	Bfl025_ubiA	0.783	Cell Membr. & Peptidog.	b0484	<i>ybaR</i>	plu3824_copA	0.374	Metabolism	b2945	<i>endA</i>	plu2037	0.948
Cofactor Biosyn.	BPEN266	<i>ubiH</i>	Bfl259_ubiH	0.787	Cell Membr. & Peptidog.	b1116	<i>yefU</i>	plu2814_loiC	0.374	Metabolism	b3825	<i>pldB</i>	plu4619_pldB	0.949
Cofactor Biosyn.	BPEN283	<i>dxr</i>	Bfl275_dxr	0.797	Cell Membr. & Peptidog.	b0449	<i>mdlB</i>	plu3858_mdlB	0.375	Metabolism	b1845	<i>ptrB</i>	plu2716_ptrB	0.965
Cofactor Biosyn.	BPEN510	<i>folC</i>	Bfl494_folC	0.833	Cell Membr. & Peptidog.	b4033	<i>malF</i>	plu0459_malF	0.379	Metabolism	b1507	<i>hipA</i>	plu4900_hipA	0.974
Cofactor Biosyn.	BPEN155	<i>folK</i>	Bfl150_folK	0.887	Cell Membr. & Peptidog.	b1912	<i>pgsA</i>	plu2026_pgsA	0.380	Metabolism	b3527	<i>yhjJ</i>	plu0306	0.981
Cofactor Biosyn.	BPEN062	<i>folB</i>	Bfl061_folB	0.917	Cell Membr. & Peptidog.	b0478	<i>ybaL</i>	plu3830	0.380	Metabolism	b1235	<i>hnr</i>	plu2502_hnr	0.985
Cofactor Biosyn.	BPEN128	<i>folA</i>	Bfl124_folA	0.961	Cell Membr. & Peptidog.	b1242	<i>yehE</i>	plu2495	0.380	Metabolism	b1339	<i>ydaK</i>	plu3727_abgR	0.987
Cofactor Biosyn.	BPEN190	<i>birA</i>	Bfl184_birA	1.180	Cell Membr. & Peptidog.	b1065	<i>yceL</i>	plu2089	0.381	Metabolism	b2738	<i>ygbL</i>	plu2509	1.010
Cofactor Biosyn.	BPEN357	<i>ispE</i>	Bfl347_ipk	1.495	Cell Membr. & Peptidog.	b3182	<i>dacB</i>	plu4539_dacB	0.390	Metabolism	b3667	<i>uhpC</i>	plu0813_uhpC	1.018
Fatty Acid Biosyn.	BPEN290	<i>fabZ</i>	Bfl282_fabZ	0.055	Cell Membr. & Peptidog.	b2595	<i>zorF</i>	plu1267	0.390	Metabolism	b2061	<i>wzb</i>	plu3744_wzb	1.028

Fatty Acid Biosyn.	BPEN514	<i>fabB</i>	Bfl498_fabB	0.220	Cell Membr. & Peptidog.	b0786	<i>ybhL</i>	plu1503	0.392	Metabolism	b4117	<i>adiA</i>	plu3319_adiA	1.041
Fatty Acid Biosyn.	BPEN432	<i>fabA</i>	Bfl420_fabA	0.241	Cell Membr. & Peptidog.	b2292	<i>yfbS</i>	plu3093	0.393	Metabolism	b2537	<i>hcaR</i>	plu2203_hcaR	1.064
Fatty Acid Biosyn.	BPEN418	<i>fabH</i>	Bfl406_fabH	0.278	Cell Membr. & Peptidog.	b0957	<i>ompA</i>	plu1775_ompA	0.394	Metabolism	b3722	<i>bgIF</i>	plu0583_bgIF	1.072
Fatty Acid Biosyn.	BPEN295	<i>accA</i>	Bfl287_accA	0.278	Cell Membr. & Peptidog.	b2142	<i>yohK</i>	plu1548	0.394	Metabolism	b0641	<i>rlpB</i>	plu1302_rlpB	1.090
Fatty Acid Biosyn.	BPEN299	<i>accC</i>	Bfl291_accC	0.337	Cell Membr. & Peptidog.	b3101	<i>yqjF</i>	plu3997	0.394	Metabolism	b3669	<i>uhpA</i>	plu0815_uhpA	1.113
Fatty Acid Biosyn.	BPEN511	<i>accD</i>	Bfl495_accD	0.338	Cell Membr. & Peptidog.	b2346	<i>vacJ</i>	plu3203_vacJ	0.395	Metabolism	b0453	<i>ybaY</i>	plu3854	1.121
Fatty Acid Biosyn.	BPEN436	<i>fabI</i>	Bfl424_fabI	0.393	Cell Membr. & Peptidog.	b3250	<i>mreC</i>	plu4700_mreC	0.396	Metabolism	b2474	<i>yjfl</i>	plu2725	1.123
Fatty Acid Biosyn.	BPEN416	<i>fabG</i>	Bfl404_fabG	0.395	Cell Membr. & Peptidog.	b0088	<i>murD</i>	plu3656_murD	0.397	Metabolism	b2060	<i>zorf</i>	plu3743_wzc	1.135
Fatty Acid Biosyn.	BPEN558	<i>acpS</i>	Bfl538_acpS	0.556	Cell Membr. & Peptidog.	b1605	<i>2put</i>	plu2162	0.398	Metabolism	b0756	<i>galM</i>	plu0577_galM	1.156
Fatty Acid Biosyn.	BPEN068	<i>plsC</i>	Bfl066_plsC	0.726	Cell Membr. & Peptidog.	b1292	<i>sapC</i>	plu2589_sapC	0.399	Metabolism	b3140	<i>agaD</i>	plu0837_agaD	1.161
Fatty Acid Biosyn.	BPEN417	<i>fabD</i>	Bfl405_fabD	0.729	Cell Membr. & Peptidog.	b3494	<i>yhiO</i>	plu0120	0.407	Metabolism	b1782	<i>yeaF</i>	plu2559_mipA	1.173
Info. Transfer	BPEN607	<i>rho</i>	Bfl586_rho	0.024	Cell Membr. & Peptidog.	b0479	<i>fsr</i>	plu3829_fsr	0.408	Metabolism	b1650	<i>nemA</i>	plu1975	1.189
Info. Transfer	BPEN462	<i>cspC</i>	Bfl448_cspC	0.060	Cell Membr. & Peptidog.	b3754	<i>yieO</i>	plu0061	0.408	Metabolism	b0397	<i>sbcC</i>	plu3913_sbcC	1.221
Info. Transfer	BPEN576	<i>rpoC</i>	Bfl556_rpoC	0.164	Cell Membr. & Peptidog.	b0793	<i>ybhS</i>	plu1507_ybhS	0.411	Metabolism	b4150	<i>ampC</i>	plu0831_ampC	1.224
Info. Transfer	BPEN577	<i>rpoB</i>	Bfl557_rpoB	0.186	Cell Membr. & Peptidog.	b4262	<i>yjgQ</i>	plu4479	0.413	Metabolism	b3588	<i>aldB</i>	plu3739_aldB	1.232
Info. Transfer	BPEN582	<i>nusG</i>	Bfl562_nusG	0.206	Cell Membr. & Peptidog.	b0722	<i>sdhD</i>	plu1427_sdhD	0.415	Metabolism	b1193	<i>mttE</i>	plu2671	1.233
Info. Transfer	BPEN057	<i>rpoD</i>	Bfl056_rpoD	0.213	Cell Membr. & Peptidog.	b0448	<i>mdlA</i>	plu3859_mdlA	0.417	Metabolism	b3739	<i>atpI</i>	plu0047_atpI	1.238
Info. Transfer	BPEN231	<i>rnhA</i>	Bfl224_rnhA	0.228	Cell Membr. & Peptidog.	b2817	<i>2put</i>	plu0645_amiC	0.419	Metabolism	b2521	<i>sseA</i>	plu1522_sseA	1.280
Info. Transfer	BPEN492	<i>gyrA</i>	Bfl476_gyrA	0.236	Cell Membr. & Peptidog.	b3493	<i>pitA</i>	plu0119_pitA	0.420	Metabolism	b3131	<i>agaR</i>	plu0832_agaR	1.282
Info. Transfer	BPEN653	<i>rpoH</i>	Bfl626_rpoH	0.238	Cell Membr. & Peptidog.	b0010	<i>yaaH</i>	plu0578	0.423	Metabolism	b3129	<i>sohA</i>	plu3943_sohA	1.289
Info. Transfer	BPEN223	<i>rpoA</i>	Bfl216_rpoA	0.259	Cell Membr. & Peptidog.	b1249	<i>cls</i>	plu2487_cls	0.424	Metabolism	b2542	<i>hcaD</i>	plu2209	1.291
Info. Transfer	BPEN016	<i>gyrB</i>	Bfl017_gyrB	0.274	Cell Membr. & Peptidog.	b4148	<i>sugE</i>	plu4129_sugE	0.427	Metabolism	b0867	<i>2put</i>	plu2790	1.291
Info. Transfer	BPEN554	<i>nifS</i>	Bfl534_nifS	0.294	Cell Membr. & Peptidog.	b0149	<i>mrcB</i>	plu0883_mrcB	0.429	Metabolism	b1736	<i>celC</i>	plu2756_celC	1.314
Info. Transfer	BPEN380	<i>slyA</i>	Bfl369_slyA	0.294	Cell Membr. & Peptidog.	b1186	<i>nhaB</i>	plu2563_nhaB	0.429	Metabolism	b1300	<i>aldH</i>	plu0142	1.331
Info. Transfer	BPEN175	<i>csrA</i>	Bfl169_csrA	0.317	Cell Membr. & Peptidog.	b1118	<i>ycfW</i>	plu2812_loiE	0.430	Metabolism	b3245	<i>yhdP</i>	plu4066	1.355
Info. Transfer	BPEN027	<i>dnaB</i>	Bfl027_dnaB	0.329	Cell Membr. & Peptidog.	b0451	<i>amtB</i>	plu3856_amtB	0.432	Metabolism	b3526	<i>kdgK</i>	plu0177_kdgK	1.362
Info. Transfer	BPEN112	<i>pnp</i>	Bfl108_pnp	0.342	Cell Membr. & Peptidog.	b2748	<i>zorf</i>	plu0712	0.432	Metabolism	b2673	<i>nrhH</i>	plu1287_nrhH	1.371
Info. Transfer	BPEN410	<i>ycfF</i>	Bfl398_ycfF	0.346	Cell Membr. & Peptidog.	b3095	<i>yqjA</i>	plu3993	0.433	Metabolism	b1744	<i>ydjS</i>	plu3106_astE	1.394
Info. Transfer	BPEN038	<i>yidZ</i>	Bfl038_yidZ	0.348	Cell Membr. & Peptidog.	b1336	<i>ydaH</i>	plu3724_abgT	0.433	Metabolism	b0348	<i>nhpB</i>	plu2208	1.438
Info. Transfer	BPEN107	<i>nusA</i>	Bfl103_nusA	0.382	Cell Membr. & Peptidog.	b3836	<i>zorf</i>	plu4410_tatA	0.435	Metabolism	b2522	<i>sseB</i>	plu3275	1.469
Info. Transfer	BPEN099	<i>greA</i>	Bfl096_greA	0.384	Cell Membr. & Peptidog.	b3082	<i>yqjT</i>	plu3992	0.437	Metabolism	b1734	<i>celF</i>	plu2757_celF	1.496
Info. Transfer	BPEN332	<i>glnS</i>	Bfl324_glnS	0.386	Cell Membr. & Peptidog.	b2014	<i>yeeF</i>	plu2849	0.438	Metabolism	b3136	<i>agaS</i>	plu0834_agaS	1.546
Info. Transfer	BPEN019	<i>glyQ</i>	Bfl020_glyQ	0.386	Cell Membr. & Peptidog.	b0052	<i>dllB</i>	plu3652_dll	0.438	Metabolism	b2387	<i>galR</i>	plu3733	1.576
Info. Transfer	BPEN486	<i>metG</i>	Bfl471_metG	0.408	Cell Membr. & Peptidog.	b4036	<i>lamB</i>	plu0456_lamB	0.440	Metabolism	b0713	<i>ybgL</i>	plu4304	1.578
Info. Transfer	BPEN362	<i>thrS</i>	Bfl351_thrS	0.415	Cell Membr. & Peptidog.	b0463	<i>acrA</i>	plu3851_acrA	0.441	Metabolism	b1409	<i>2put</i>	plu4775	1.599
Info. Transfer	BPEN181	<i>trmD</i>	Bfl175_trmD	0.425	Cell Membr. & Peptidog.	b0904	<i>focA</i>	plu1614_focA	0.443	Metabolism	b2934	<i>cmtB</i>	plu1979_sgcA	1.660
Info. Transfer	BPEN422	<i>rne</i>	Bfl410_rne	0.435	Cell Membr. & Peptidog.	b1206	<i>yehM</i>	plu2074	0.443	Metabolism	b2162	<i>yeiK</i>	plu4289_iunH	1.680
Info. Transfer	BPEN077	<i>orn</i>	Bfl075_orn	0.436	Cell Membr. & Peptidog.	b0027	<i>lspA</i>	plu0592_lspA	0.445	Metabolism	b0350	<i>nhpD</i>	plu2201	1.684
Info. Transfer	BPEN379	<i>rnt</i>	Bfl368_rnt	0.438	Cell Membr. & Peptidog.	b4065	<i>yjcE</i>	plu4422	0.446	Metabolism	b1102	<i>fhuE</i>	plu4622_fhuE	1.712
Info. Transfer	BPEN305	<i>tlpD</i>	Bfl297_tlpD	0.444	Cell Membr. & Peptidog.	b1254	<i>yciB</i>	plu2483_ispZ	0.451	Metabolism	b1850	<i>eda</i>	plu0178_eda	1.733
Info. Transfer	BPEN236	<i>tgt</i>	Bfl230_tgt	0.445	Cell Membr. & Peptidog.	b3646	<i>yicG</i>	plu0287	0.454	Metabolism	b3117	<i>tdcB</i>	plu0803	1.749
Info. Transfer	BPEN028	<i>ssb</i>	Bfl028_ssb	0.470	Cell Membr. & Peptidog.	b3035	<i>tolC</i>	plu3954_tolC	0.456	Metabolism	b3723	<i>bgIG</i>	plu0584_bgIG	1.779
Info. Transfer	BPEN026	<i>zur</i>	Bfl026_zur	0.477	Cell Membr. & Peptidog.	b0698	<i>kdpA</i>	plu1420_kdpA	0.458	Metabolism	b2100	<i>2put</i>	plu4883	1.823
Info. Transfer	BPEN433	<i>asnS</i>	Bfl421_asnS	0.480	Cell Membr. & Peptidog.	b3967	<i>murI</i>	plu4734_murI	0.462	Metabolism	b0368	<i>tauD</i>	plu1004	1.844
Info. Transfer	BPEN563	<i>ung</i>	Bfl543_ung	0.482	Cell Membr. & Peptidog.	b0433	<i>ampG</i>	plu3873_ampG	0.467	Metabolism	b1738	<i>celA</i>	plu2754_celA	2.032
Info. Transfer	BPEN449	<i>xthA</i>	Bfl435_xthA	0.493	Cell Membr. & Peptidog.	b1329	<i>2put</i>	plu2578_mppA	0.470	Metabolism	b1508	<i>hipB</i>	plu4901_hipB	2.047
Info. Transfer	BPEN550	<i>hisS</i>	Bfl531_hisS	0.495	Cell Membr. & Peptidog.	b2585	<i>pssA</i>	plu1271_pssA	0.472	Metabolism	b3605	<i>lldD</i>	plu4371	2.051
Info. Transfer	BPEN467	<i>aspS</i>	Bfl452_aspS	0.507	Cell Membr. & Peptidog.	b2063	<i>yegH</i>	plu1559	0.472	Metabolism	b3668	<i>uhpB</i>	plu0814_uhpB	2.101
Info. Transfer	BPEN404	<i>trmU</i>	Bfl392_trmU	0.512	Cell Membr. & Peptidog.	b2493	<i>perM</i>	plu2749_perM	0.472	Metabolism	b2371	<i>yfdE</i>	plu1002	2.214
Info. Transfer	BPEN013	<i>rnpA</i>	Bfl014_rnpA	0.515	Cell Membr. & Peptidog.	b4152	<i>frdC</i>	plu4126_frdC	0.480	Metabolism	b1619	<i>hdhA</i>	plu2344	2.263
Info. Transfer	BPEN270	<i>lysS</i>	Bfl262_lysS	0.515	Cell Membr. & Peptidog.	b1599	<i>2pos</i>	plu2124	0.481	Metabolism	b4314	<i>fimA</i>	plu0418	2.302
Info. Transfer	BPEN468	<i>argS</i>	Bfl453_argS	0.517	Cell Membr. & Peptidog.	b3471	<i>yhhQ</i>	plu4110	0.491	Metabolism	b1222	<i>narX</i>	plu2041	2.306
Info. Transfer	BPEN226	<i>def</i>	Bfl219_def	0.525	Cell Membr. & Peptidog.	b3156	<i>yhbS</i>	plu4504	0.493	Metabolism	b2047	<i>wcaJ</i>	plu4808_wbIF	2.405
Info. Transfer	BPEN382	<i>tyrS</i>	Bfl371_tyrS	0.532	Cell Membr. & Peptidog.	b0751	<i>pnuC</i>	plu1469_pnuC	0.499	Metabolism	b2825	<i>ppdB</i>	plu0627_ppdB	2.642
Info. Transfer	BPEN645	<i>polA</i>	Bfl619_polA	0.534	Cell Membr. & Peptidog.	b1251	<i>zorf</i>	plu2611	0.499	Metabolism	b0353	<i>mhpT</i>	plu3134	2.681
Info. Transfer	BPEN294	<i>dnaE</i>	Bfl286_dnaE	0.536	Cell Membr. & Peptidog.	b2835	<i>ygeD</i>	plu1247	0.500	Metabolism	b2044	<i>wcaL</i>	plu3361	2.682
Info. Transfer	BPEN515	<i>yfcB</i>	Bfl499_yfcB	0.543	Cell Membr. & Peptidog.	b2413	<i>cysZ</i>	plu1396_cysZ	0.501	Metabolism	b3564	<i>xyIB</i>	plu1959_xyIB	2.717
Info. Transfer	BPEN589	<i>trpS</i>	Bfl569_trpS	0.548	Cell Membr. & Peptidog.	b0176	<i>yaeL</i>	plu0679_ecfE	0.503	Metabolism	b0349	<i>nhpC</i>	plu2202	2.757
Info. Transfer	BPEN512	<i>truA</i>	Bfl496_truA	0.549	Cell Membr. & Peptidog.	b1869	<i>yeeN</i>	plu2106	0.503	Metabolism	b1737	<i>celB</i>	plu2755_celB	2.781
Info. Transfer	BPEN383	<i>nth</i>	Bfl372_nth	0.550	Cell Membr. & Peptidog.	b4261	<i>yjgP</i>	plu4480	0.504	Metabolism	b2147	<i>yeiA</i>	plu3917	2.921
Info. Transfer	BPEN395	<i>serS</i>	Bfl384_serS	0.550	Cell Membr. & Peptidog.	b2344	<i>fadL</i>	plu3202_fadL	0.507	Metabolism	b4193	<i>sgaT</i>	plu1981	3.001
Info. Transfer	BPEN368	<i>lplA</i>	Bfl357_lplA	0.559	Cell Membr. & Peptidog.	b0687	<i>seqA</i>	plu1406_seqA	0.507	Metabolism	b0585	<i>fes</i>	plu4957	3.040
Info. Transfer	BPEN122	<i>ileS</i>	Bfl118_ileS	0.565	Cell Membr. & Peptidog.	b0400	<i>phoR</i>	plu3910_phoR	0.508	Metabolism	b3026	<i>ygiY</i>	plu3178_tctE	3.085
Info. Transfer	BPEN312	<i>cysS</i>	Bfl304_cysS	0.572	Cell Membr. & Peptidog.	b3462	<i>ftsX</i>	plu4102_ftsX	0.522	Metabolism	b0347	<i>nhpA</i>	plu1437	3.252
Info. Transfer	BPEN321	<i>leuS</i>	Bfl313_leuS	0.576	Cell Membr. & Peptidog.	b1663	<i>ydhE</i>	plu2611_norM	0.522	Metabolism	b0459	<i>yldD</i>	plu3547	3.285
Info. Transfer	BPEN306	<i>pmbA</i>	Bfl298_pmbA	0.585	Cell Membr. & Peptidog.	b0721	<i>sdhC</i>	plu1426_sdhC	0.529	Metabolism	b2058	<i>wcaB</i>	plu2021	3.321
Info. Transfer	BPEN366	<i>pheS</i>	Bfl355_pheS	0.589	Cell Membr. & Peptidog.	b0429	<i>cyoD</i>	plu3878_cyoD	0.530	Metabolism	b0063	<i>araB</i>	plu3741	3.396

Info. Transfer	BPEN058	<i>dnaG</i>	Bf0057_dnaG	0.590	Cell Membr. & Peptidog.	b3892	<i>fdol</i>	plu4489_fdol	0.531	Metabolism	b0476	<i>ybaC</i>	plu2266	3.481
Info. Transfer	BPEN011	<i>trmE</i>	Bf0111_thdF	0.592	Cell Membr. & Peptidog.	b4288	<i>fecD</i>	plu4449_fecD	0.531	Metabolism	b2059	<i>wcaA</i>	plu3015	3.502
Info. Transfer	BPEN064	<i>cca</i>	Bf0062_cca	0.595	Cell Membr. & Peptidog.	b0435	<i>bolA</i>	plu3871_bolA	0.531	Metabolism	b1398	<i>zorf</i>	plu3041_paaK	3.539
Info. Transfer	BPEN035	<i>pepA</i>	Bf0035_pepA	0.598	Cell Membr. & Peptidog.	b2813	<i>mltA</i>	plu0648_mltA	0.531	Metabolism	b0894	<i>dmsA</i>	plu2262	3.567
Info. Transfer	BPEN273	<i>lgt</i>	Bf1265_lgt	0.601	Cell Membr. & Peptidog.	b4140	<i>zorf</i>	plu4136_fixsA	0.534	Metabolism	b3906	<i>rhaR</i>	plu1330	3.623
Info. Transfer	BPEN560	<i>rnc</i>	Bf1540_rnc	0.612	Cell Membr. & Peptidog.	b3404	<i>envZ</i>	plu0213_envZ	0.538	Metabolism	b0352	<i>mhpE</i>	plu4081	3.668
Info. Transfer	BPEN130	<i>ksgA</i>	Bf1126_ksgA	0.615	Cell Membr. & Peptidog.	b1726	<i>yeaL</i>	plu2726	0.538	Metabolism	b3431	<i>glgX</i>	plu0105_puIA	4.217
Info. Transfer	BPEN225	<i>fnt</i>	Bf0218_fnt	0.632	Cell Membr. & Peptidog.	b0879	<i>ybjZ</i>	plu1591_macB	0.544	Metabolism	b0341	<i>cynX</i>	plu1003	4.250
Info. Transfer	BPEN081	<i>miaA</i>	Bf0079_miaA	0.641	Cell Membr. & Peptidog.	b0086	<i>murF</i>	plu3658_murF	0.551	Nucleotide Biosy	b1207	<i>prsA</i>	plu2066_prsA	0.055
Info. Transfer	BPEN110	<i>truB</i>	Bf1106_truB	0.643	Cell Membr. & Peptidog.	b0427	<i>yajR</i>	plu3880	0.553	Nucleotide Biosy	b0033	<i>carB</i>	plu0604_carB	0.093
Info. Transfer	BPEN174	<i>alaS</i>	Bf1168_alaS	0.651	Cell Membr. & Peptidog.	b1708	<i>nlpC</i>	plu2653_nlpC	0.554	Nucleotide Biosy	b2508	<i>guaB</i>	plu2713_guaB	0.113
Info. Transfer	BPEN242	<i>nusB</i>	Bf1236_nusB	0.658	Cell Membr. & Peptidog.	b3249	<i>mreD</i>	plu4069_mreD	0.554	Nucleotide Biosy	b2476	<i>purC</i>	plu2744_purC	0.122
Info. Transfer	BPEN187	<i>rluD</i>	Bf1181_rluD	0.665	Cell Membr. & Peptidog.	b2536	<i>hcaT</i>	plu3290_hcaT	0.555	Nucleotide Biosy	b4177	<i>purA</i>	plu4577_purA	0.159
Info. Transfer	BPEN113	<i>deaD</i>	Bf1109_deaD	0.667	Cell Membr. & Peptidog.	b3006	<i>exbB</i>	plu3941_exbB	0.555	Nucleotide Biosy	b2507	<i>guaA</i>	plu2712_guaA	0.162
Info. Transfer	BPEN561	<i>lepB</i>	Bf1541_lepB	0.671	Cell Membr. & Peptidog.	b1641	<i>styB</i>	plu2599_slyB	0.555	Nucleotide Biosy	b1131	<i>purB</i>	plu2806_purB	0.165
Info. Transfer	BPEN360	<i>hemK</i>	Bf1349_hemK	0.672	Cell Membr. & Peptidog.	b0657	<i>lnt</i>	plu1308_lnt	0.559	Nucleotide Biosy	b2312	<i>purF</i>	plu3167_purF	0.200
Info. Transfer	BPEN033	<i>valS</i>	Bf1033_valS	0.690	Cell Membr. & Peptidog.	b0886	<i>cydC</i>	plu1597_cydC	0.560	Nucleotide Biosy	b2499	<i>purM</i>	plu2760_purM	0.202
Info. Transfer	BPEN524	<i>ligA</i>	Bf1507_lig	0.691	Cell Membr. & Peptidog.	b0983	<i>yccZ</i>	plu3745	0.563	Nucleotide Biosy	b1232	<i>purU</i>	plu2504_purU	0.203
Info. Transfer	BPEN098	<i>cgIA</i>	Bf1095_yhbZ	0.696	Cell Membr. & Peptidog.	b2175	<i>spr</i>	plu2864_spr	0.567	Nucleotide Biosy	b0032	<i>carA</i>	plu0603_carA	0.205
Info. Transfer	BPEN293	<i>rnhB</i>	Bf1285_rnhB	0.701	Cell Membr. & Peptidog.	b2682	<i>zorf</i>	plu1279	0.570	Nucleotide Biosy	b4006	<i>purH</i>	plu0495_purH	0.205
Info. Transfer	BPEN109	<i>rbfA</i>	Bf1105_rbfA	0.734	Cell Membr. & Peptidog.	b1377	<i>2put</i>	plu1751_ompN	0.574	Nucleotide Biosy	b4245	<i>pyrB</i>	plu4492_pyrB	0.208
Info. Transfer	BPEN421	<i>rluC</i>	Bf1409_rluC	0.750	Cell Membr. & Peptidog.	b1132	<i>ycjC</i>	plu2805	0.575	Nucleotide Biosy	b3642	<i>pyrE</i>	plu4869_pyrE	0.217
Info. Transfer	BPEN476	<i>sbCB</i>	Bf1461_sbCB	0.763	Cell Membr. & Peptidog.	b3208	<i>mtgA</i>	plu4006_mtgA	0.578	Nucleotide Biosy	b2518	<i>ndk</i>	plu1372_ndk	0.230
Info. Transfer	BPEN557	<i>tada</i>	Bf1537_yfhC	0.770	Cell Membr. & Peptidog.	b4160	<i>psd</i>	plu4597_psd	0.581	Nucleotide Biosy	b0474	<i>adk</i>	plu3836_adk	0.240
Info. Transfer	BPEN297	<i>proS</i>	Bf1289_proS	0.776	Cell Membr. & Peptidog.	b0054	<i>imp</i>	plu0612_imp	0.586	Nucleotide Biosy	b0945	<i>pyrD</i>	plu1758_pyrD	0.246
Info. Transfer	BPEN367	<i>pheT</i>	Bf1356_pheT	0.786	Cell Membr. & Peptidog.	b0813	<i>ybiF</i>	plu1535	0.591	Nucleotide Biosy	b2557	<i>purL</i>	plu3317_purL	0.250
Info. Transfer	BPEN087	<i>rlmB</i>	Bf1084_yjIH	0.787	Cell Membr. & Peptidog.	b1630	<i>ydG</i>	plu2380_rfnD	0.592	Nucleotide Biosy	b1658	<i>purR</i>	plu2605_purR	0.264
Info. Transfer	BPEN276	<i>recB</i>	Bf1268_recB	0.854	Cell Membr. & Peptidog.	b0432	<i>cyoA</i>	plu3875_cyoA	0.594	Nucleotide Biosy	b0910	<i>cmk</i>	plu1621_mssA	0.266
Info. Transfer	BPEN296	<i>tilS</i>	Bf1288_mesJ	0.855	Cell Membr. & Peptidog.	b3055	<i>ygiM</i>	plu3971	0.597	Nucleotide Biosy	b3648	<i>gmk</i>	plu0274_gmk	0.275
Info. Transfer	BPEN034	<i>holC</i>	Bf1034_holC	0.860	Cell Membr. & Peptidog.	b2410	<i>yfeH</i>	plu2374	0.599	Nucleotide Biosy	b0523	<i>purE</i>	plu3807_purE	0.293
Info. Transfer	BPEN256	<i>mutY</i>	Bf1249_mutY	0.879	Cell Membr. & Peptidog.	b0960	<i>zorf</i>	plu1778	0.600	Nucleotide Biosy	b4244	<i>pyrI</i>	plu4497_pyrI	0.369
Info. Transfer	BPEN355	<i>pth</i>	Bf1345_pth	0.911	Cell Membr. & Peptidog.	b2685	<i>emrA</i>	plu1276_emrA	0.603	Nucleotide Biosy	b4005	<i>purD</i>	plu0494_purD	0.380
Info. Transfer	BPEN015	<i>dnaN</i>	Bf1016_dnaN	0.918	Cell Membr. & Peptidog.	b0887	<i>cydD</i>	plu1598_cydD	0.606	Nucleotide Biosy	b4208	<i>cycA</i>	plu1965	0.400
Info. Transfer	BPEN275	<i>recD</i>	Bf1267_recD	0.949	Cell Membr. & Peptidog.	b0874	<i>ybjE</i>	plu1589	0.611	Nucleotide Biosy	b0522	<i>purK</i>	plu3808_purK	0.404
Info. Transfer	BPEN555	<i>suhB</i>	Bf1535_suhB	0.997	Cell Membr. & Peptidog.	b2429	<i>2put</i>	plu0402	0.614	Nucleotide Biosy	b1281	<i>pyrF</i>	plu2427_pyrF	0.425
Info. Transfer	BPEN274	<i>recC</i>	Bf1266_recC	1.022	Cell Membr. & Peptidog.	b0890	<i>ftsK</i>	plu1601_ftsK	0.614	Nucleotide Biosy	b1062	<i>pyrC</i>	plu1819_pyrC	0.440
Info. Transfer	BPEN123	<i>lspA</i>	Bf1119_lspA	1.055	Cell Membr. & Peptidog.	b2681	<i>2put</i>	plu1280	0.622	Nucleotide Biosy	b0167	<i>glnD</i>	plu0670_glnD	0.468
Info. Transfer	BPEN319	<i>holA</i>	Bf1311_holA	1.092	Cell Membr. & Peptidog.	b0739	<i>tolA</i>	plu1454_tolA	0.628	Nucleotide Biosy	b2500	<i>purN</i>	plu2761_purN	0.509
Info. Transfer	BPEN020	<i>glyS</i>	Bf1021_glyS	1.108	Cell Membr. & Peptidog.	b1629	<i>2put</i>	plu2379_rnfC	0.632	Nucleotide Biosy	b0425	<i>aphA</i>	plu3882_aphA	0.864
Info. Transfer	BPEN180	<i>rimM</i>	Bf1174_rimM	1.168	Cell Membr. & Peptidog.	b3469	<i>zntA</i>	plu4108_zntA	0.636	Regulation	b3261	<i>aphA</i>	plu4089_fis	0.010
Info. Transfer	BPEN114	<i>holD</i>	Bf1110_holD	1.516	Cell Membr. & Peptidog.	b0496	<i>ybbP</i>	plu3816_ybbP	0.638	Regulation	b3357	<i>crp</i>	plu0395_fis	0.020
Metabolism	BPEN003	<i>atpE</i>	Bf1003_atpE	0.127	Cell Membr. & Peptidog.	b1600	<i>2pos</i>	plu2123	0.639	Regulation	b3783	<i>rho</i>	plu4663_rho	0.027
Metabolism	BPEN495	<i>nrdB</i>	Bf1479_nrdB	0.135	Cell Membr. & Peptidog.	b4220	<i>ytfM</i>	plu4554	0.643	Regulation	b4401	<i>arcA</i>	plu0562_arcA	0.080
Metabolism	BPEN415	<i>acpP</i>	Bf1403_acpP	0.146	Cell Membr. & Peptidog.	b3748	<i>rbsD</i>	plu0055_rbsD	0.648	Regulation	b3067	<i>rpoD</i>	plu3979_rpoD	0.084
Metabolism	BPEN307	<i>lon</i>	Bf1299_lon	0.162	Cell Membr. & Peptidog.	b2836	<i>aas</i>	plu1246_aas	0.660	Regulation	b2942	<i>metK</i>	plu3683_metK	0.101
Metabolism	BPEN538	<i>upp</i>	Bf1520_upp	0.170	Cell Membr. & Peptidog.	b2519	<i>pbpC</i>	plu1371_pbpC	0.663	Regulation	b3702	<i>dnaA</i>	plu0001_dnaA	0.102
Metabolism	BPEN101	<i>hflB</i>	Bf1098_ftsH	0.177	Cell Membr. & Peptidog.	b2742	<i>nlpD</i>	plu0718_nlpD	0.665	Regulation	b0439	<i>lon</i>	plu3867_lon	0.102
Metabolism	BPEN494	<i>nrdA</i>	Bf1478_nrdA	0.181	Cell Membr. & Peptidog.	b2182	<i>bcr</i>	plu2866_bcr	0.667	Regulation	b0623	<i>cspE</i>	plu1289_cspE	0.110
Metabolism	BPEN339	<i>sdhA</i>	Bf1329_sdhA	0.190	Cell Membr. & Peptidog.	b0418	<i>pgpA</i>	plu3895_pgpA	0.667	Regulation	b1334	<i>fnr</i>	plu2179_fnr	0.114
Metabolism	BPEN008	<i>atpD</i>	Bf1008_atpD	0.206	Cell Membr. & Peptidog.	b2074	<i>2put</i>	plu2774	0.671	Regulation	b3030	<i>parE</i>	plu3950_parE	0.130
Metabolism	BPEN048	<i>degQ</i>	Bf1047_degQ	0.224	Cell Membr. & Peptidog.	b1596	<i>ynfM</i>	plu2224	0.672	Regulation	b2573	<i>rpoE</i>	plu3346_rpoE	0.139
Metabolism	BPEN231	<i>rnhA</i>	Bf1224_rnhA	0.228	Cell Membr. & Peptidog.	b3966	<i>btuB</i>	plu4735_btuB	0.672	Regulation	b3912	<i>cpvR</i>	plu4794_cpvR	0.139
Metabolism	BPEN624	<i>pfkA</i>	Bf1602_pfkA	0.233	Cell Membr. & Peptidog.	b2078	<i>baeS</i>	plu2777_baeS	0.673	Regulation	b2699	<i>recA</i>	plu1249_recA	0.145
Metabolism	BPEN542	<i>ureC</i>	Bf1523_ureC	0.244	Cell Membr. & Peptidog.	b1057	<i>2put</i>	plu2094	0.676	Regulation	b2916	<i>iciA</i>	plu3610_iciA	0.147
Metabolism	BPEN527	<i>ptsI</i>	Bf1510_ptsI	0.245	Cell Membr. & Peptidog.	b3819	<i>rardP</i>	plu4632_rardP	0.678	Regulation	b0437	<i>clpP</i>	plu3869_clpP	0.149
Metabolism	BPEN544	<i>ureA</i>	Bf1525_ureA	0.247	Cell Membr. & Peptidog.	b3838	<i>zorf</i>	plu4409_tatB	0.681	Regulation	b3169	<i>nusA</i>	plu4530_nusA	0.153
Metabolism	BPEN460	<i>manY</i>	Bf1446_manY	0.255	Cell Membr. & Peptidog.	b4136	<i>dsbD</i>	plu4139_dsbD	0.683	Regulation	b2808	<i>gcvA</i>	plu0652_gcvA	0.157
Metabolism	BPEN461	<i>manZ</i>	Bf1447_manZ	0.261	Cell Membr. & Peptidog.	b3522	<i>yhjD</i>	plu0308	0.696	Regulation	b4043	<i>lexA</i>	plu4374_lexA	0.157
Metabolism	BPEN251	<i>cyoB</i>	Bf1244_cyoB	0.261	Cell Membr. & Peptidog.	b0795	<i>2put</i>	plu1509_ybhG	0.714	Regulation	b2554	<i>yfiA</i>	plu3311	0.159
Metabolism	BPEN006	<i>atpA</i>	Bf1006_atpA	0.272	Cell Membr. & Peptidog.	b4387	<i>smp</i>	plu0550_smp	0.716	Regulation	b3105	<i>yhaJ</i>	plu3998	0.163
Metabolism	BPEN047	<i>murA</i>	Bf1046_murA	0.274	Cell Membr. & Peptidog.	b1209	<i>hemM</i>	plu2068_loIB	0.719	Regulation	b3650	<i>spoT</i>	plu0272_spoT	0.163
Metabolism	BPEN158	<i>aceE</i>	Bf1153_aceE	0.277	Cell Membr. & Peptidog.	b2568	<i>lepB</i>	plu3341_lepB	0.721	Regulation	b3724	<i>phoU</i>	plu0218_phoU	0.166
Metabolism	BPEN508	<i>nuoB</i>	Bf1492_nuoB	0.279	Cell Membr. & Peptidog.	b2924	<i>yggB</i>	plu3615	0.723	Regulation	b2533	<i>suhB</i>	plu3286_suhB	0.166
Metabolism	BPEN528	<i>cysA</i>	Bf1511_cysA	0.283	Cell Membr. & Peptidog.	b0175	<i>cdsA</i>	plu0678_cdsA	0.726	Regulation	b3495	<i>uspA</i>	plu0121_uspA	0.166
Metabolism	BPEN507	<i>nuoCD</i>	Bf1491_nuoCD	0.291	Cell Membr. & Peptidog.	b1821	<i>zorf</i>	plu2701	0.730	Regulation	b3528	<i>dctA</i>	plu3205_dctA	0.171
Metabolism	BPEN167	<i>cysD</i>	Bf1162_cysD	0.294	Cell Membr. & Peptidog.	b0019	<i>nhaA</i>	plu0587_nhaA	0.731	Regulation	b4000	<i>hupA</i>	plu0492_dbhA	0.174
Metabolism	BPEN390	<i>msbA</i>	Bf1379_msbA	0.310	Cell Membr. & Peptidog.	b2327	<i>yfcA</i>	plu3188	0.734	Regulation	b3181	<i>greA</i>	plu4538_greA	0.175

Metabolism	BPEN175	<i>csrA</i>	Bfl169_csrA	0.317	Cell Membr. & Peptidog.	b1256	<i>yciD</i>	plu2478_ompW	0.745	Regulation	b2517	<i>yfgB</i>	plu1373	0.183
Metabolism	BPEN262	<i>flaA</i>	Bfl255_fla	0.318	Cell Membr. & Peptidog.	b0111	<i>ampE</i>	plu3636_ampE	0.752	Regulation	b0902	<i>pfIA</i>	plu1612_pfIA	0.184
Metabolism	BPEN263	<i>rpiA</i>	Bfl256_rpiA	0.321	Cell Membr. & Peptidog.	b4355	<i>tsr</i>	plu1853_cheD	0.761	Regulation	b0080	<i>fruR</i>	plu3664_fruR	0.186
Metabolism	BPEN281	<i>pyrH</i>	Bfl273_pyrH	0.327	Cell Membr. & Peptidog.	b3613	<i>yibP</i>	plu4841	0.772	Regulation	b3699	<i>gyrB</i>	plu0004_gyrB	0.188
Metabolism	BPEN540	<i>ureG</i>	Bfl521_ureG	0.338	Cell Membr. & Peptidog.	b1688	<i>zorF</i>	plu2627	0.775	Regulation	b3461	<i>rpoH</i>	plu4101_rpoH	0.190
Metabolism	BPEN502	<i>nuoL</i>	Bfl486_nuoL	0.340	Cell Membr. & Peptidog.	b3972	<i>murB</i>	plu4733_murB	0.787	Regulation	b0460	<i>hha</i>	plu3853_hha	0.191
Metabolism	BPEN112	<i>pnp</i>	Bfl108_pnp	0.342	Cell Membr. & Peptidog.	b0624	<i>creB</i>	plu1290_creB	0.794	Regulation	b3406	<i>greB</i>	plu0211_greB	0.193
Metabolism	BPEN259	<i>metK</i>	Bfl252_metK	0.343	Cell Membr. & Peptidog.	b2923	<i>yggA</i>	plu3612	0.798	Regulation	b2687	<i>ygaG</i>	plu1253_luxS	0.203
Metabolism	BPEN261	<i>pgk</i>	Bfl254_pgk	0.343	Cell Membr. & Peptidog.	b1129	<i>phoQ</i>	plu2808_phoQ	0.802	Regulation	b2231	<i>gyrA</i>	plu3050_gyrA	0.203
Metabolism	BPEN344	<i>sucD</i>	Bfl334_sucD	0.343	Cell Membr. & Peptidog.	b1433	<i>2put</i>	plu0511	0.811	Regulation	b0683	<i>fur</i>	plu1327_fur	0.206
Metabolism	BPEN260	<i>speB</i>	Bfl253_speB	0.344	Cell Membr. & Peptidog.	b0878	<i>2put</i>	plu1590_macA	0.814	Regulation	b2741	<i>rpoS</i>	plu0719_rpoS	0.209
Metabolism	BPEN164	<i>cysI</i>	Bfl159_cysI	0.349	Cell Membr. & Peptidog.	b4169	<i>amiB</i>	plu4584_amiB	0.816	Regulation	b2531	<i>zorF</i>	plu3284	0.209
Metabolism	BPEN317	<i>mrda</i>	Bfl309_mrdA	0.350	Cell Membr. & Peptidog.	b2786	<i>barA</i>	plu0908_barA	0.821	Regulation	b3764	<i>yifE</i>	plu4687	0.211
Metabolism	BPEN619	<i>metF</i>	Bfl597_metF	0.351	Cell Membr. & Peptidog.	b4392	<i>slt</i>	plu0556_slt	0.845	Regulation	b1882	<i>cheY</i>	plu1857_cheY	0.215
Metabolism	BPEN161	<i>pyrG</i>	Bfl156_pyrG	0.351	Cell Membr. & Peptidog.	b2174	<i>zorF</i>	plu2863	0.847	Regulation	b0399	<i>phoB</i>	plu3911_phoB	0.217
Metabolism	BPEN308	<i>apt</i>	Bfl300_apt	0.352	Cell Membr. & Peptidog.	b3468	<i>yhhN</i>	plu4107	0.851	Regulation	b1274	<i>topA</i>	plu2435_topA	0.218
Metabolism	BPEN465	<i>pykA</i>	Bfl450_pykA	0.353	Cell Membr. & Peptidog.	b2141	<i>yohJ</i>	plu5449	0.852	Regulation	b3405	<i>ompR</i>	plu0212_ompR	0.226
Metabolism	BPEN446	<i>cls</i>	Bfl433_cls	0.354	Cell Membr. & Peptidog.	b1660	<i>ydhC</i>	plu2607	0.857	Regulation	b3961	<i>oxyR</i>	plu4740_oxyR	0.230
Metabolism	BPEN340	<i>sdhB</i>	Bfl330_sdhB	0.355	Cell Membr. & Peptidog.	b2952	<i>yggT</i>	plu1178	0.872	Regulation	b3641	<i>ttk</i>	plu4868_ttk	0.231
Metabolism	BPEN398	<i>trxB</i>	Bfl387_trxB	0.367	Cell Membr. & Peptidog.	b0622	<i>creA</i>	plu2784	0.881	Regulation	b3929	<i>menG</i>	plu4765_menG	0.235
Metabolism	BPEN419	<i>plsX</i>	Bfl407_plsX	0.372	Cell Membr. & Peptidog.	b1806	<i>2put</i>	plu2133	0.899	Regulation	b0880	<i>csuD</i>	plu1592_csuD	0.242
Metabolism	BPEN505	<i>nuoF</i>	Bfl489_nuoF	0.374	Cell Membr. & Peptidog.	b0679	<i>nagE</i>	plu1318_nagE	0.906	Regulation	b0440	<i>hupB</i>	plu3866_hupB	0.242
Metabolism	BPEN533	<i>tkrA</i>	Bfl156_tkrA	0.379	Cell Membr. & Peptidog.	b0841	<i>ybjG</i>	plu1579	0.914	Regulation	b3911	<i>cpxA</i>	plu4795_cpxA	0.246
Metabolism	BPEN526	<i>ptsH</i>	Bfl509_ptsH	0.389	Cell Membr. & Peptidog.	b0007	<i>yaaJ</i>	plu2791	0.956	Regulation	b2784	<i>relA</i>	plu0910_relA	0.247
Metabolism	BPEN333	<i>fldA</i>	Bfl325 fldA	0.391	Cell Membr. & Peptidog.	b2477	<i>nlpB</i>	plu2745_nlpB	0.956	Regulation	b3019	<i>parC</i>	plu3949_parC	0.247
Metabolism	BPEN253	<i>clpP</i>	Bfl246_clpP	0.394	Cell Membr. & Peptidog.	b1728	<i>zorF</i>	plu2679	0.965	Regulation	b4172	<i>hfq</i>	plu4581_hfq	0.249
Metabolism	BPEN656	<i>pgi</i>	Bfl629_pgi	0.399	Cell Membr. & Peptidog.	b2338	<i>yfcU</i>	plu0416	0.969	Regulation	b0113	<i>pdhR</i>	plu3624_pdhR	0.256
Metabolism	BPEN447	<i>tdk</i>	Bfl434_tdk	0.403	Cell Membr. & Peptidog.	b1507	<i>hipA</i>	plu4900_hipA	0.974	Regulation	b1883	<i>cheB</i>	plu1856_cheB	0.259
Metabolism	BPEN530	<i>cysU</i>	Bfl513_cysU	0.405	Cell Membr. & Peptidog.	b3196	<i>yrbG</i>	plu4035	0.981	Regulation	b0208	<i>yaC</i>	plu1525	0.260
Metabolism	BPEN024	<i>pitA</i>	Bfl024_pitA	0.413	Cell Membr. & Peptidog.	b2164	<i>yeiM</i>	plu0519	0.994	Regulation	b1887	<i>cheW</i>	plu1852_cheW	0.261
Metabolism	BPEN503	<i>nuoH</i>	Bfl487_nuoH	0.417	Cell Membr. & Peptidog.	b3667	<i>uhpC</i>	plu0813_uhpC	1.018	Regulation	b0923	<i>mukE</i>	plu1638_mukE	0.262
Metabolism	BPEN060	<i>gcp</i>	Bfl059_gcp	0.429	Cell Membr. & Peptidog.	b0633	<i>rlpA</i>	plu1295_rlpA	1.039	Regulation	b3183	<i>yhbZ</i>	plu4540	0.273
Metabolism	BPEN464	<i>zwf</i>	Bfl449_zwf	0.431	Cell Membr. & Peptidog.	b0696	<i>kdpC</i>	plu1418_kdpC	1.044	Regulation	b3229	<i>sspA</i>	plu4013_sspA	0.275
Metabolism	BPEN384	<i>fumC</i>	Bfl373_fumC	0.433	Cell Membr. & Peptidog.	b3424	<i>gfpG</i>	plu0196_gfpG	1.049	Regulation	b1763	<i>topB</i>	plu2550_topB	0.275
Metabolism	BPEN590	<i>rpe</i>	Bfl570_rpe	0.434	Cell Membr. & Peptidog.	b1918	<i>yecS</i>	plu4485	1.054	Regulation	b3869	<i>glnL</i>	plu0236_glnL	0.278
Metabolism	BPEN373	<i>sufS</i>	Bfl362_sufS	0.434	Cell Membr. & Peptidog.	b0546	<i>emrE</i>	plu2566	1.067	Regulation	b0059	<i>hspA</i>	plu0615_hspA	0.282
Metabolism	BPEN422	<i>rne</i>	Bfl410_rne	0.435	Cell Membr. & Peptidog.	b3722	<i>bgIF</i>	plu0583_bgIF	1.072	Regulation	b0020	<i>nhaR</i>	plu0588_nhaR	0.294
Metabolism	BPEN162	<i>eno</i>	Bfl157_eno	0.437	Cell Membr. & Peptidog.	b2412	<i>zipA</i>	plu1397_zipA	1.074	Regulation	b3806	<i>cyaA</i>	plu4643_cyaA	0.295
Metabolism	BPEN379	<i>rnt</i>	Bfl368_rnt	0.438	Cell Membr. & Peptidog.	b3921	<i>yiiR</i>	plu4770	1.090	Regulation	b3346	<i>yheO</i>	plu0425	0.296
Metabolism	BPEN076	<i>psd</i>	Bfl074_psd	0.448	Cell Membr. & Peptidog.	b2570	<i>rseC</i>	plu3343_rseC	1.124	Regulation	b1014	<i>putA</i>	plu1957_putA	0.299
Metabolism	BPEN331	<i>nagB</i>	Bfl323_nagB	0.457	Cell Membr. & Peptidog.	b1255	<i>yciC</i>	plu2479	1.153	Regulation	b0172	<i>frr</i>	plu0675_frr	0.300
Metabolism	BPEN094	<i>ppa</i>	Bfl091_ppa	0.463	Cell Membr. & Peptidog.	b2257	<i>zorF</i>	plu2656_2pbg	1.155	Regulation	b3202	<i>rpoN</i>	plu4041_rpoN	0.301
Metabolism	BPEN543	<i>ureB</i>	Bfl524_ureB	0.467	Cell Membr. & Peptidog.	b3140	<i>agaD</i>	plu0837_agaD	1.161	Regulation	b3423	<i>glpR</i>	plu0195_glpR	0.302
Metabolism	BPEN531	<i>cysP</i>	Bfl514_cysP	0.469	Cell Membr. & Peptidog.	b0814	<i>ompX</i>	plu2480	1.168	Regulation	b1853	<i>yebK</i>	plu2121_hexR	0.302
Metabolism	BPEN352	<i>gpmA</i>	Bfl342_gpmA	0.477	Cell Membr. & Peptidog.	b1782	<i>yeaF</i>	plu2559_mipA	1.173	Regulation	b1020	<i>phoH</i>	plu2039_phoH	0.303
Metabolism	BPEN485	<i>gnd</i>	Bfl470_gnd	0.481	Cell Membr. & Peptidog.	b3388	<i>damX</i>	plu0088_damX	1.202	Regulation	b3190	<i>yrbA</i>	plu4029	0.322
Metabolism	BPEN007	<i>atpG</i>	Bfl007_atpG	0.489	Cell Membr. & Peptidog.	b3104	<i>yhal</i>	plu2346	1.216	Regulation	b1914	<i>avrY</i>	plu2028_avrY	0.331
Metabolism	BPEN449	<i>xthA</i>	Bfl435_xthA	0.493	Cell Membr. & Peptidog.	b4150	<i>ampC</i>	plu0831_ampC	1.224	Regulation	b1187	<i>fadR</i>	plu2562_fadR	0.334
Metabolism	BPEN500	<i>nuoK</i>	Bfl484_nuoK	0.499	Cell Membr. & Peptidog.	b1193	<i>mltE</i>	plu2671	1.233	Regulation	b0450	<i>glnK</i>	plu3857_glnK	0.345
Metabolism	BPEN651	<i>udp</i>	Bfl624_udp	0.504	Cell Membr. & Peptidog.	b3739	<i>atpI</i>	plu0047_atpI	1.238	Regulation	b0447	<i>yhbO</i>	plu3860	0.347
Metabolism	BPEN065	<i>hldE</i>	Bfl063_rfaE	0.510	Cell Membr. & Peptidog.	b2250	<i>zorF</i>	plu3067	1.312	Regulation	b1642	<i>slyA</i>	plu2600_slyA	0.347
Metabolism	BPEN140	<i>ftsI</i>	Bfl136_ftsI	0.512	Cell Membr. & Peptidog.	b3679	<i>yidK</i>	plu1803	1.382	Regulation	b4293	<i>fecI</i>	plu4444_fecI	0.354
Metabolism	BPEN013	<i>rnpA</i>	Bfl014_rnpA	0.515	Cell Membr. & Peptidog.	b3398	<i>yrfF</i>	plu0097	1.408	Regulation	b0676	<i>nagC</i>	plu1315_nagC	0.355
Metabolism	BPEN638	<i>dut</i>	Bfl613_dut	0.518	Cell Membr. & Peptidog.	b1252	<i>tonB</i>	plu2485_tonB	1.439	Regulation	b0694	<i>kdpE</i>	plu1416_kdpE	0.359
Metabolism	BPEN144	<i>murD</i>	Bfl140_murD	0.518	Cell Membr. & Peptidog.	b4317	<i>fimD</i>	plu0784	1.445	Regulation	b3210	<i>arcB</i>	plu4008_arcB	0.359
Metabolism	BPEN159	<i>mrcB</i>	Bfl154_mrcB	0.519	Cell Membr. & Peptidog.	b2109	<i>yehB</i>	plu0505	1.456	Regulation	b2125	<i>yehT</i>	plu4521	0.378
Metabolism	BPEN165	<i>cysH</i>	Bfl160_cysH	0.521	Cell Membr. & Peptidog.	b0192	<i>cutF</i>	plu0691_cutF	1.479	Regulation	b1304	<i>pspA</i>	plu2585_pspA	0.379
Metabolism	BPEN091	<i>cysQ</i>	Bfl088_cysQ	0.524	Cell Membr. & Peptidog.	b0598	<i>cstA</i>	plu4522_cstA	1.537	Regulation	b3418	<i>malT</i>	plu0471_malT	0.385
Metabolism	BPEN330	<i>nagA</i>	Bfl322_nagA	0.534	Cell Membr. & Peptidog.	b4184	<i>yjL</i>	plu4311	1.589	Regulation	b3203	<i>yhbH</i>	plu4042	0.387
Metabolism	BPEN450	<i>sppA</i>	Bfl436_sppA	0.548	Cell Membr. & Peptidog.	b1409	<i>2put</i>	plu4775	1.599	Regulation	b4016	<i>aceK</i>	plu4394_aceK	0.396
Metabolism	BPEN383	<i>nth</i>	Bfl372_nth	0.550	Cell Membr. & Peptidog.	b2972	<i>2put</i>	plu1733_2Typ	1.688	Regulation	b4237	<i>nrdG</i>	plu4500_nrdG	0.405
Metabolism	BPEN368	<i>lplA</i>	Bfl357_lplA	0.559	Cell Membr. & Peptidog.	b0590	<i>fepD</i>	plu4624_fepD	1.690	Regulation	b1303	<i>pspF</i>	plu2586_pspF	0.409
Metabolism	BPEN626	<i>gpsA</i>	Bfl604_gpsA	0.562	Cell Membr. & Peptidog.	b1102	<i>fhuE</i>	plu4622_fhuE	1.712	Regulation	b4018	<i>iclR</i>	plu4392_iclR	0.410
Metabolism	BPEN519	<i>nupC</i>	Bfl503_nupC	0.565	Cell Membr. & Peptidog.	b3173	<i>yhbX</i>	plu0070	1.843	Regulation	b1130	<i>phoP</i>	plu2807_phoP	0.419
Metabolism	BPEN504	<i>nuoG</i>	Bfl488_nuoG	0.567	Cell Membr. & Peptidog.	b0815	<i>ybiP</i>	plu3011	1.937	Regulation	b0010	<i>yaaH</i>	plu0578	0.423
Metabolism	BPEN459	<i>manX</i>	Bfl445_manX	0.578	Cell Membr. & Peptidog.	b3139	<i>agaC</i>	plu0836_agaC	1.995	Regulation	b2684	<i>emrR</i>	plu1277_mprA	0.445
Metabolism	BPEN157	<i>aceF</i>	Bfl152_aceF	0.579	Cell Membr. & Peptidog.	b2155	<i>cirA</i>	plu2850	2.015	Regulation	b3438	<i>gntR</i>	plu0496_gntR	0.447

Metabolism	BPEN622	<i>fpr</i>	Bfl600_fpr	0.580	Cell Membr. & Peptidog.	b3377	<i>yhfT</i>	plu1999	2.024	Regulation	b1888	<i>cheA</i>	plu1851_cheA	0.451
Metabolism	BPEN529	<i>cysW</i>	Bfl512_cysW	0.585	Cell Membr. & Peptidog.	b0106	<i>hofC</i>	plu3640_hofC	2.024	Regulation	b1659	<i>yhxB</i>	plu2606	0.454
Metabolism	BPEN168	<i>cysN</i>	Bfl163_cysN	0.586	Cell Membr. & Peptidog.	b1508	<i>hipB</i>	plu4901_hipB	2.047	Regulation	b3387	<i>dam</i>	plu0087_dam	0.459
Metabolism	BPEN548	<i>mgo</i>	Bfl529_mgo	0.588	Cell Membr. & Peptidog.	b3605	<i>lldD</i>	plu4371	2.051	Regulation	b2157	<i>yeiE</i>	plu2855	0.466
Metabolism	BPEN608	<i>trxA</i>	Bfl587_trxA	0.588	Cell Membr. & Peptidog.	b0587	<i>fepE</i>	plu3834_fepE	2.052	Regulation	b1512	<i>ydeW</i>	plu3142_lsrR	0.475
Metabolism	BPEN156	<i>lpdA</i>	Bfl151_lpdA	0.598	Cell Membr. & Peptidog.	b3578	<i>yiaN</i>	plu0174	2.059	Regulation	b3292	<i>yhdM</i>	plu4700_zntR	0.477
Metabolism	BPEN035	<i>pepA</i>	Bfl035_pepA	0.598	Cell Membr. & Peptidog.	b0065	<i>yabl</i>	plu4415	2.083	Regulation	b4292	<i>fecR</i>	plu4445_fecR	0.489
Metabolism	BPEN541	<i>ureF</i>	Bfl522_ureF	0.599	Cell Membr. & Peptidog.	b2258	<i>2put</i>	plu2654_2pbg	2.090	Regulation	b2079	<i>baeR</i>	plu2778_baeR	0.490
Metabolism	BPEN342	<i>sucB</i>	Bfl332_sucB	0.601	Cell Membr. & Peptidog.	b3668	<i>uhpB</i>	plu0814_uhpB	2.101	Regulation	b0487	<i>ybbI</i>	plu3823	0.502
Metabolism	BPEN273	<i>lgt</i>	Bfl265_lgt	0.601	Cell Membr. & Peptidog.	b1840	<i>2put</i>	plu2687	2.141	Regulation	b0176	<i>yaeL</i>	plu0679_ecfE	0.503
Metabolism	BPEN189	<i>murB</i>	Bfl183_murB	0.601	Cell Membr. & Peptidog.	b1534	<i>ydeF</i>	plu0203	2.268	Regulation	b0687	<i>seqA</i>	plu1406_seqA	0.507
Metabolism	BPEN341	<i>sucA</i>	Bfl331_sucA	0.604	Cell Membr. & Peptidog.	b1222	<i>narX</i>	plu2041	2.306	Regulation	b0400	<i>phoR</i>	plu3910_phoR	0.508
Metabolism	BPEN560	<i>rnc</i>	Bfl540_rnc	0.612	Cell Membr. & Peptidog.	b2211	<i>yojI</i>	plu3530	2.355	Regulation	b3753	<i>rbsR</i>	plu0060_rbsR	0.512
Metabolism	BPEN009	<i>atpC</i>	Bfl009_atpC	0.618	Cell Membr. & Peptidog.	b2047	<i>wcaJ</i>	plu4808_wbIF	2.405	Regulation	b3569	<i>xyIR</i>	plu2274_xyIR	0.516
Metabolism	BPEN252	<i>cyoA</i>	Bfl245_cyoA	0.623	Cell Membr. & Peptidog.	b2246	<i>2put</i>	plu0981_hpaX	2.421	Regulation	b0610	<i>rnk</i>	plu4046_rnk	0.516
Metabolism	BPEN571	<i>pssA</i>	Bfl551_pssA	0.624	Cell Membr. & Peptidog.	b4130	<i>yjdl</i>	plu1813	2.427	Regulation	b3235	<i>degS</i>	plu4022_degS	0.525
Metabolism	BPEN337	<i>sdhC</i>	Bfl327_sdhC	0.631	Cell Membr. & Peptidog.	b2578	<i>yfiK</i>	plu0401	2.578	Regulation	b0435	<i>bolA</i>	plu3871_bolA	0.531
Metabolism	BPEN163	<i>cysJ</i>	Bfl158_cysJ	0.638	Cell Membr. & Peptidog.	b0353	<i>mhpT</i>	plu3134	2.681	Regulation	b3404	<i>envZ</i>	plu0213_envZ	0.538
Metabolism	BPEN623	<i>tpiA</i>	Bfl601_tpiA	0.642	Cell Membr. & Peptidog.	b1737	<i>celB</i>	plu2755_celB	2.781	Regulation	b3934	<i>cytR</i>	plu4760_cytR	0.546
Metabolism	BPEN506	<i>nuoE</i>	Bfl490_nuoE	0.646	Cell Membr. & Peptidog.	b1798	<i>yeaS</i>	plu0605	2.892	Regulation	b4046	<i>yjyK</i>	plu4373_zur	0.556
Metabolism	BPEN142	<i>murF</i>	Bfl138_murF	0.648	Cell Membr. & Peptidog.	b1828	<i>2put</i>	plu3924	3.012	Regulation	b3283	<i>yrdD</i>	plu4693	0.561
Metabolism	BPEN335	<i>pgm</i>	Bfl326_pgm	0.658	Cell Membr. & Peptidog.	b0328	<i>yahN</i>	plu1236	3.044	Regulation	b1961	<i>dcm</i>	plu0338_dcm	0.562
Metabolism	BPEN499	<i>nuoL</i>	Bfl483_nuoL	0.686	Cell Membr. & Peptidog.	b3577	<i>yiaM</i>	plu0173	3.173	Regulation	b2479	<i>gcvR</i>	plu2747_gcvR	0.564
Metabolism	BPEN498	<i>nuoM</i>	Bfl482_nuoM	0.687	Cell Membr. & Peptidog.	b2370	<i>evgS</i>	plu2284_bvgS	3.199	Regulation	b1323	<i>tyrR</i>	plu2580_tyrR	0.564
Metabolism	BPEN147	<i>murC</i>	Bfl143_murC	0.690	Cell Membr. & Peptidog.	b3673	<i>emrD</i>	plu0472	3.201	Regulation	b0502	<i>2orf</i>	plu0851	0.568
Metabolism	BPEN427	<i>pgsA</i>	Bfl415_pgsA	0.690	Cell Membr. & Peptidog.	b3662	<i>yicM</i>	plu2643	3.296	Regulation	b2805	<i>fucR</i>	plu4112_fucR	0.574
Metabolism	BPEN402	<i>emtA</i>	Bfl391_emtE	0.698	Cell Membr. & Peptidog.	b3508	<i>yhiD</i>	plu1843	3.306	Regulation	b2253	<i>2put</i>	plu2660_2pbg	0.575
Metabolism	BPEN293	<i>rnhB</i>	Bfl285_rnhB	0.701	Cell Membr. & Peptidog.	b0845	<i>2put</i>	plu0476	3.317	Regulation	b0330	<i>prpR</i>	plu3543_prpR	0.577
Metabolism	BPEN243	<i>pgpA</i>	Bfl237_pgpA	0.703	Cell Membr. & Peptidog.	b3660	<i>yicL</i>	plu4591	3.327	Regulation	b0189	<i>yaeO</i>	plu0690_rof	0.577
Metabolism	BPEN146	<i>murG</i>	Bfl142_murG	0.708	Cell Membr. & Peptidog.	b0894	<i>dmsA</i>	plu2262	3.567	Regulation	b1212	<i>hemK</i>	plu2071_hemK	0.586
Metabolism	BPEN141	<i>murE</i>	Bfl137_murE	0.711	Cell Membr. & Peptidog.	b1985	<i>yeeO</i>	plu0798	3.629	Regulation	b4324	<i>uxuR</i>	plu0171_uxuR	0.601
Metabolism	BPEN369	<i>sufA</i>	Bfl358_sufA	0.719	Cell Membr. & Peptidog.	b0150	<i>fhuA</i>	plu2316	3.791	Regulation	b3032	<i>icc</i>	plu3952_icc	0.602
Metabolism	BPEN303	<i>mreC</i>	Bfl295_mreC	0.721	Cell Membr. & Peptidog.	b3370	<i>yhfM</i>	plu2247	3.814	Regulation	b3765	<i>yjyB</i>	plu4686	0.610
Metabolism	BPEN230	<i>gloB</i>	Bfl223_gloB	0.729	Cell Membr. & Peptidog.	b3561	<i>yiaH</i>	plu2327	4.007	Regulation	b2556	<i>yfhK</i>	plu3313	0.612
Metabolism	BPEN300	<i>accB</i>	Bfl292_accB	0.737	Cell Membr. & Peptidog.	b0341	<i>cynX</i>	plu1003	4.250	Regulation	b4377	<i>yjiU</i>	plu4247	0.620
Metabolism	BPEN322	<i>lnt</i>	Bfl314_lnt	0.739	Cell Membr. & Peptidog.	b2372	<i>2put</i>	plu3802	4.498	Regulation	b0146	<i>sfsA</i>	plu0877_sfsA	0.627
Metabolism	BPEN080	<i>amiB</i>	Bfl078_amiB	0.742	Cell Membr. & Peptidog.	b0770	<i>ybhI</i>	plu0926	4.675	Regulation	b1305	<i>pspB</i>	plu2584_pspB	0.644
Metabolism	BPEN169	<i>cysC</i>	Bfl164_cysC	0.743	Cell Membr. & Peptidog.	b0898	<i>ycaD</i>	plu4424	4.999	Regulation	b4312	<i>fjmB</i>	plu0260	0.660
Metabolism	BPEN138	<i>mraW</i>	Bfl134_yabC	0.747	Cell Processes	b3980	<i>tufB</i>	plu4730_tufA	0.063	Regulation	b2836	<i>aas</i>	plu1246_aas	0.660
Metabolism	BPEN413	<i>tmk</i>	Bfl401_tmk	0.749	Cell Processes	b0095	<i>ftsZ</i>	plu3649_ftsZ	0.077	Regulation	b2340	<i>2orf</i>	plu3199_sixA	0.665
Metabolism	BPEN004	<i>atpF</i>	Bfl004_atpF	0.753	Cell Processes	b4401	<i>arcA</i>	plu0562_arcA	0.080	Regulation	b4396	<i>rob</i>	plu0560_rob	0.668
Metabolism	BPEN129	<i>apaH</i>	Bfl125_apaH	0.753	Cell Processes	b3251	<i>mreB</i>	plu4071_mreB	0.081	Regulation	b1438	<i>2orf</i>	plu3491	0.669
Metabolism	BPEN476	<i>sbcB</i>	Bfl461_sbcB	0.763	Cell Processes	b0094	<i>ftsA</i>	plu3650_ftsA	0.090	Regulation	b2572	<i>rseA</i>	plu3345_rseA	0.670
Metabolism	BPEN250	<i>cyoC</i>	Bfl243_cyoC	0.787	Cell Processes	b1175	<i>minD</i>	plu2137_minD	0.101	Regulation	b2078	<i>baeS</i>	plu2777_baeS	0.673
Metabolism	BPEN372	<i>sufD</i>	Bfl361_sufD	0.794	Cell Processes	b3179	<i>ftsJ</i>	plu4536_rrmJ	0.108	Regulation	b1477	<i>yddM</i>	plu2085	0.673
Metabolism	BPEN509	<i>nuoA</i>	Bfl493_nuoA	0.801	Cell Processes	b0623	<i>cspE</i>	plu1289_cspE	0.110	Regulation	b1679	<i>ynhA</i>	plu2617_sufE	0.685
Metabolism	BPEN545	<i>ureD</i>	Bfl526_ureD	0.811	Cell Processes	b4058	<i>uvrA</i>	plu4350_uvrA	0.127	Regulation	b3188	<i>nlp</i>	plu4546	0.687
Metabolism	BPEN375	<i>lpp</i>	Bfl364_lpp	0.830	Cell Processes	b2573	<i>rpoE</i>	plu3346_rpoE	0.139	Regulation	b1214	<i>yehA</i>	plu2072	0.716
Metabolism	BPEN249	<i>cyoD</i>	Bfl242_cyoD	0.842	Cell Processes	b3912	<i>cpXR</i>	plu4794_cpXR	0.139	Regulation	b2364	<i>dsdC</i>	plu1968_dsdC	0.736
Metabolism	BPEN490	<i>ddlA</i>	Bfl474_ddlA	0.849	Cell Processes	b1241	<i>adhE</i>	plu2496_adhE	0.144	Regulation	b2289	<i>lrhA</i>	plu3090_lrhA	0.743
Metabolism	BPEN276	<i>recB</i>	Bfl268_recB	0.854	Cell Processes	b2699	<i>recA</i>	plu1249_recA	0.145	Regulation	b3746	<i>yieN</i>	plu0054	0.745
Metabolism	BPEN456	<i>yeaZ</i>	Bfl442_yeaZ	0.879	Cell Processes	b0437	<i>clpP</i>	plu3869_clpP	0.149	Regulation	b4355	<i>tsr</i>	plu1853_cheD	0.761
Metabolism	BPEN143	<i>mraY</i>	Bfl139_mraY	0.896	Cell Processes	b3813	<i>uvrD</i>	plu4636_uvrD	0.155	Regulation	b2193	<i>narP</i>	plu2720_narP	0.795
Metabolism	BPEN343	<i>sucC</i>	Bfl333_sucC	0.897	Cell Processes	b4043	<i>lexA</i>	plu4374_lexA	0.157	Regulation	b1129	<i>phoQ</i>	plu2808_phoQ	0.802
Metabolism	BPEN304	<i>mreD</i>	Bfl296_mreD	0.908	Cell Processes	b1633	<i>nth</i>	plu2383_nth	0.158	Regulation	b2786	<i>barA</i>	plu0908_barA	0.821
Metabolism	BPEN071	<i>cutA</i>	Bfl069_cutA	0.917	Cell Processes	b3247	<i>cafA</i>	plu4067_cafA	0.160	Regulation	b1306	<i>pspC</i>	plu2583_pspC	0.823
Metabolism	BPEN497	<i>nuoN</i>	Bfl481_nuoN	0.926	Cell Processes	b3650	<i>spoT</i>	plu0272_spoT	0.163	Regulation	b4241	<i>treR</i>	plu3289_treR	0.826
Metabolism	BPEN023	<i>prlC</i>	Bfl023_prlC	0.931	Cell Processes	b3495	<i>uspA</i>	plu0121_uspA	0.166	Regulation	b1439	<i>2mul</i>	plu2044	0.830
Metabolism	BPEN285	<i>cdsA</i>	Bfl277_cdsA	0.931	Cell Processes	b3463	<i>ftsE</i>	plu4103_ftsE	0.178	Regulation	b4135	<i>yjyC</i>	plu4140	0.841
Metabolism	BPEN275	<i>recD</i>	Bfl267_recD	0.949	Cell Processes	b3706	<i>thdF</i>	plu4905_trmE	0.181	Regulation	b1594	<i>mlc</i>	plu2226_mlc	0.850
Metabolism	BPEN005	<i>atpH</i>	Bfl005_atpH	0.977	Cell Processes	b0779	<i>uvrB</i>	plu1491_uvrB	0.185	Regulation	b0464	<i>acrR</i>	plu3850_acrR	0.871
Metabolism	BPEN274	<i>recC</i>	Bfl266_recC	1.022	Cell Processes	b4429	<i>fecA</i>	plu4446_fecA	0.187	Regulation	b0338	<i>cynR</i>	plu0110_cynR	0.889
Metabolism	BPEN628	<i>grxC</i>	Bfl605_grxC	1.034	Cell Processes	b3741	<i>gidA</i>	plu0049_gidA	0.187	Regulation	b3337	<i>yheA</i>	plu4729	0.909
Metabolism	BPEN338	<i>sdhD</i>	Bfl328_sdhD	1.039	Cell Processes	b3461	<i>rpoH</i>	plu4101_rpoH	0.190	Regulation	b2571	<i>rseB</i>	plu3344_rseB	0.923
Metabolism	BPEN501	<i>nuoJ</i>	Bfl485_nuoJ	1.088	Cell Processes	b2830	<i>ygdP</i>	plu0620_nudH	0.193	Regulation	b1595	<i>ynfL</i>	plu2225	0.966
Metabolism	BPEN320	<i>rlpB</i>	Bfl312_rlpB	1.370	Cell Processes	b3244	<i>tldD</i>	plu4064_tldD	0.205	Regulation	b1507	<i>hipA</i>	plu4900_hipA	0.974
Metabolism	BPEN532	<i>talA</i>	Bfl515_talA	2.505	Cell Processes	b2741	<i>rpoS</i>	plu0719_rpoS	0.209	Regulation	b1235	<i>hnr</i>	plu2502_hnr	0.985

Nucleotide Biosyn.	BPEN356	<i>prsA</i>	Bfl346_prsA	0.119	Cell Processes	b4059	<i>ssb</i>	plu4349_ssb	0.215	Regulation	b1339	<i>ydaK</i>	plu3727_abgR	0.987
Nucleotide Biosyn.	BPEN547	<i>guaB</i>	Bfl528_guaB	0.268	Cell Processes	b1887	<i>cheY</i>	plu1857_cheY	0.215	Regulation	b3667	<i>uhpC</i>	plu0813_uhpC	1.018
Nucleotide Biosyn.	BPEN405	<i>purB</i>	Bfl393_purB	0.365	Cell Processes	b2566	<i>era</i>	plu3339_era	0.218	Regulation	b1726	<i>zorF</i>	plu2677	1.018
Nucleotide Biosyn.	BPEN127	<i>carB</i>	Bfl123_carB	0.372	Cell Processes	b1860	<i>ruvB</i>	plu2112_ruvB	0.221	Regulation	b2537	<i>hcaR</i>	plu2203_hcaR	1.064
Nucleotide Biosyn.	BPEN126	<i>carA</i>	Bfl122_carA	0.445	Cell Processes	b4235	<i>pmbA</i>	plu4060_pmbA	0.227	Regulation	b3722	<i>bgIF</i>	plu0583_bgIF	1.072
Nucleotide Biosyn.	BPEN553	<i>ndk</i>	Bfl533_ndk	0.480	Cell Processes	b3961	<i>oxyR</i>	plu4740_oxyR	0.230	Regulation	b1921	<i>flfZ</i>	plu1956_flfZ	1.076
Nucleotide Biosyn.	BPEN086	<i>purA</i>	Bfl083_purA	0.511	Cell Processes	b0634	<i>mrdB</i>	plu1296_rudA	0.233	Regulation	b3669	<i>uhpA</i>	plu0815_uhpA	1.113
Nucleotide Biosyn.	BPEN641	<i>gmk</i>	Bfl616_gmk	0.580	Cell Processes	b1829	<i>htpX</i>	plu2681_htpX	0.238	Regulation	b2570	<i>rseC</i>	plu3343_rseC	1.124
Nucleotide Biosyn.	BPEN546	<i>guaA</i>	Bfl527_guaA	0.620	Cell Processes	b0051	<i>ksgA</i>	plu0609_ksgA	0.242	Regulation	b3082	<i>ygiM</i>	plu4592	1.130
Nucleotide Biosyn.	BPEN392	<i>cmk</i>	Bfl381_cmk	0.636	Cell Processes	b3908	<i>sodA</i>	plu0075_sodA	0.246	Regulation	b2060	<i>zorF</i>	plu3743_wzc	1.135
Nucleotide Biosyn.	BPEN575	<i>purH</i>	Bfl555_purH	0.656	Cell Processes	b3911	<i>cpxA</i>	plu4795_cpxA	0.246	Regulation	b0796	<i>ybiH</i>	plu1510	1.137
Nucleotide Biosyn.	BPEN310	<i>adk</i>	Bfl302_adk	0.885	Cell Processes	b0632	<i>dacA</i>	plu1294_dacA	0.247	Regulation	b3762	<i>yifA</i>	plu4688_pssR	1.263
Regulation	BPEN607	<i>rho</i>	Bfl586_rho	0.024	Cell Processes	b3163	<i>yhbM</i>	plu4524_nlpI	0.249	Regulation	b3131	<i>agaR</i>	plu0832_agaR	1.282
Regulation	BPEN462	<i>cspC</i>	Bfl448_cspC	0.060	Cell Processes	b3057	<i>bacA</i>	plu3973_bacA	0.250	Regulation	b0958	<i>sulA</i>	plu1776_sulA	1.285
Regulation	BPEN307	<i>lon</i>	Bfl299_lon	0.162	Cell Processes	b1913	<i>uvrC</i>	plu2027_uvrC	0.254	Regulation	b4225	<i>chpB</i>	plu2365	1.304
Regulation	BPEN057	<i>rpoD</i>	Bfl056_rpoD	0.213	Cell Processes	b2480	<i>bcp</i>	plu2748_bcp	0.256	Regulation	b3410	<i>yhgG</i>	plu0207	1.397
Regulation	BPEN492	<i>gyrA</i>	Bfl476_gyrA	0.236	Cell Processes	b1069	<i>mviN</i>	plu2091_mviN	0.256	Regulation	b2735	<i>yglB</i>	plu2511	1.413
Regulation	BPEN653	<i>rpoH</i>	Bfl626_rpoH	0.238	Cell Processes	b3336	<i>bfr</i>	plu4728_bfr	0.258	Regulation	b2698	<i>oraA</i>	plu3294_recX	1.531
Regulation	BPEN016	<i>gyrB</i>	Bfl017_gyrB	0.274	Cell Processes	b0089	<i>ftsW</i>	plu3655_ftsW	0.258	Regulation	b0097	<i>yacA</i>	plu33646	1.554
Regulation	BPEN380	<i>slyA</i>	Bfl369_slyA	0.294	Cell Processes	b1883	<i>cheB</i>	plu1856_cheB	0.259	Regulation	b2837	<i>galR</i>	plu3733	1.576
Regulation	BPEN175	<i>csrA</i>	Bfl169_csrA	0.317	Cell Processes	b1887	<i>cheW</i>	plu1852_cheW	0.261	Regulation	b4113	<i>basR</i>	plu3179_tetD	1.596
Regulation	BPEN259	<i>metK</i>	Bfl252_metK	0.343	Cell Processes	b0923	<i>mukE</i>	plu1638_mukE	0.262	Regulation	b3723	<i>bgIG</i>	plu0584_bgIG	1.779
Regulation	BPEN038	<i>yidZ</i>	Bfl038_yidZ	0.348	Cell Processes	b1861	<i>ruvA</i>	plu2111_ruvA	0.263	Regulation	b1622	<i>malY</i>	plu3731	1.812
Regulation	BPEN107	<i>nusA</i>	Bfl103_nusA	0.382	Cell Processes	b0084	<i>ftsI</i>	plu3660_ftsI	0.264	Regulation	b2216	<i>yojN</i>	plu33047	1.828
Regulation	BPEN099	<i>greA</i>	Bfl096_greA	0.384	Cell Processes	b3167	<i>rbfA</i>	plu4528_rbfA	0.266	Regulation	b3555	<i>yiaG</i>	plu4367	1.882
Regulation	BPEN253	<i>clpP</i>	Bfl246_clpP	0.394	Cell Processes	b3229	<i>sspA</i>	plu4013_sspA	0.275	Regulation	b0900	<i>ycaN</i>	plu1320	1.983
Regulation	BPEN026	<i>zur</i>	Bfl026_zur	0.477	Cell Processes	b0462	<i>acrB</i>	plu3852_acrB	0.277	Regulation	b2213	<i>ada</i>	plu1288_ogt	2.000
Regulation	BPEN360	<i>hemK</i>	Bfl349_hemK	0.672	Cell Processes	b0444	<i>ybaX</i>	plu3862	0.289	Regulation	b1508	<i>hipB</i>	plu4901_hipB	2.047
Regulation	BPEN098	<i>cgtA</i>	Bfl095_yhbZ	0.696	Cell Processes	b1749	<i>xthA</i>	plu2549_xthA	0.291	Regulation	b3668	<i>uhpB</i>	plu0814_uhpB	2.101
Regulation	BPEN374	<i>sufE</i>	Bfl363_ymhA	0.832	Cell Processes	b0924	<i>mukB</i>	plu1639_mukB	0.292	Regulation	b0272	<i>yagI</i>	plu0139	2.196
Regulation	BPEN286	<i>ecfE</i>	Bfl278_yaeL	0.997	Cell Processes	b3865	<i>yihA</i>	plu0390_engB	0.294	Regulation	b1222	<i>narX</i>	plu2041	2.306
Regulation	BPEN555	<i>suhB</i>	Bfl535_suhB	0.997	Cell Processes	b0020	<i>nhaR</i>	plu0588_nhaR	0.294	Regulation	b1111	<i>ycfQ</i>	plu0949	2.429
Regulation	BPEN046	<i>yrbA</i>	Bfl045_yrbA	1.045	Cell Processes	b0275	<i>yegN</i>	plu2775	0.302	Regulation	b1916	<i>sdA</i>	plu0320	2.490
Surface Structures	BPEN291	<i>lpxA</i>	Bfl283_lpxA	0.132	Cell Processes	b1020	<i>phoH</i>	plu2039_phoH	0.303	Regulation	b1790	<i>yeaM</i>	plu4091	2.665
Surface Structures	BPEN103	<i>mrsA</i>	Bfl100_mrsA	0.277	Cell Processes	b0685	<i>yjgE</i>	plu1329	0.309	Regulation	b1497	<i>2put</i>	plu33613	2.873
Surface Structures	BPEN085	<i>hflC</i>	Bfl082_hflC	0.280	Cell Processes	b1174	<i>minE</i>	plu2136_minE	0.313	Regulation	b3026	<i>ygiY</i>	plu3178_tctE	3.085
Surface Structures	BPEN474	<i>gutQ</i>	Bfl459_gutQ	0.310	Cell Processes	b3887	<i>yihZ</i>	plu0242_dtd	0.315	Regulation	b4349	<i>hsdM</i>	plu4319_hsdM	3.161
Surface Structures	BPEN570	<i>emrE</i>	Bfl550_emrE	0.324	Cell Processes	b2159	<i>nfo</i>	plu2857_nfo	0.316	Regulation	b2370	<i>evgS</i>	plu2284_bvgS	3.199
Surface Structures	BPEN284	<i>uppS</i>	Bfl276_uppS	0.331	Cell Processes	b0635	<i>mrDA</i>	plu1297_pbpA	0.327	Regulation	b3375	<i>yhfR</i>	plu3195_hutC	3.315
Surface Structures	BPEN423	<i>lpxL</i>	Bfl411_htrB	0.390	Cell Processes	b2686	<i>emrB</i>	plu1275_emrB	0.327	Regulation	b0476	<i>ybaC</i>	plu2266	3.481
Surface Structures	BPEN564	<i>grpE</i>	Bfl544_grpE	0.418	Cell Processes	b2076	<i>yegO</i>	plu2776	0.330	Regulation	b3010	<i>yqhC</i>	plu3775	3.579
Surface Structures	BPEN389	<i>lpxK</i>	Bfl378_lpxK	0.430	Cell Processes	b1914	<i>uvrY</i>	plu2028_uvrY	0.331	Regulation	b3906	<i>rhaR</i>	plu1330	3.623
Surface Structures	BPEN361	<i>kdsA</i>	Bfl350_kdsA	0.440	Cell Processes	b3396	<i>mrcA</i>	plu0095_mrcA	0.335	Regulation	b1978	<i>2put</i>	plu2057	3.658
Surface Structures	BPEN151	<i>lpxC</i>	Bfl147_lpxC	0.456	Cell Processes	b1276	<i>acnA</i>	plu2432_acnA	0.340	Surface Structures	b0096	<i>lpxC</i>	plu33648_lpxC	0.117
Surface Structures	BPEN233	<i>gmhA</i>	Bfl226_lpcA	0.520	Cell Processes	b0875	<i>aqpZ</i>	plu2033_aqpZ	0.341	Surface Structures	b1215	<i>kdsA</i>	plu2073_kdsA	0.122
Surface Structures	BPEN348	<i>tolB</i>	Bfl338_tolB	0.533	Cell Processes	b1055	<i>yceA</i>	plu1816	0.346	Surface Structures	b0222	<i>gmhA</i>	plu1193_lcpA	0.126
Surface Structures	BPEN289	<i>lpxD</i>	Bfl281_lpxD	0.545	Cell Processes	b3740	<i>gidB</i>	plu0048_gidB	0.346	Surface Structures	b0737	<i>toiQ</i>	plu1452_toiQ	0.160
Surface Structures	BPEN084	<i>hflK</i>	Bfl081_hflK	0.552	Cell Processes	b1890	<i>motA</i>	plu1849_motA	0.353	Surface Structures	b3176	<i>mrsA</i>	plu4533_mrsA	0.180
Surface Structures	BPEN630	<i>hldD</i>	Bfl607_rfaD	0.565	Cell Processes	b3464	<i>ftsY</i>	plu4104_ftsY	0.356	Surface Structures	b4291	<i>fecA</i>	plu4446_fecA	0.187
Surface Structures	BPEN345	<i>tolQ</i>	Bfl335_tolQ	0.566	Cell Processes	b4218	<i>yjfl</i>	plu4556	0.357	Surface Structures	b0460	<i>hha</i>	plu3853_hha	0.191
Surface Structures	BPEN292	<i>lpxB</i>	Bfl284_lpxB	0.657	Cell Processes	b4289	<i>fecC</i>	plu4448_fecC	0.359	Surface Structures	b0741	<i>pal</i>	plu1456_pal	0.213
Surface Structures	BPEN083	<i>hflX</i>	Bfl080_hflX	0.684	Cell Processes	b3210	<i>arcB</i>	plu4008_arcB	0.359	Surface Structures	b2313	<i>cvpA</i>	plu3168_cvpA	0.216
Surface Structures	BPEN632	<i>rfaC</i>	Bfl609_rfaC	0.714	Cell Processes	b3409	<i>feoB</i>	plu0208_feoB	0.366	Surface Structures	b3729	<i>glmS</i>	plu0037_glmS	0.221
Surface Structures	BPEN387	<i>kdsB</i>	Bfl376_kdsB	0.748	Cell Processes	b1324	<i>tpx</i>	plu2579_tpx	0.371	Surface Structures	b3789	<i>rffH</i>	plu4657_rffH	0.222
Surface Structures	BPEN311	<i>lpxH</i>	Bfl303_ybbF	0.749	Cell Processes	b1065	<i>yceL</i>	plu2089	0.381	Surface Structures	b4235	<i>pmbA</i>	plu4060_pmbA	0.227
Surface Structures	BPEN631	<i>rfaF</i>	Bfl608_rfaF	0.768	Cell Processes	b3924	<i>fpr</i>	plu4769_fpr	0.382	Surface Structures	b1945	<i>flfM</i>	plu1941_flfM	0.230
Surface Structures	BPEN633	<i>kdtA</i>	Bfl610_kdtA	0.772	Cell Processes	b3182	<i>dacB</i>	plu4539_dacB	0.390	Surface Structures	b4173	<i>hflX</i>	plu4580_hflX	0.231
Surface Structures	BPEN010	<i>glmU</i>	Bfl010_glmU	0.773	Cell Processes	b3408	<i>feoA</i>	plu0209_feoA	0.396	Surface Structures	b1891	<i>flhC</i>	plu1848_flhC	0.240
Surface Structures	BPEN346	<i>tolR</i>	Bfl336_tolR	0.858	Cell Processes	b2422	<i>cysA</i>	plu1390_cysA	0.402	Surface Structures	b0262	<i>afuC</i>	plu0810_afuC	0.242
Surface Structures	BPEN452	<i>dsbB</i>	Bfl438_dsbB	1.027	Cell Processes	b2616	<i>recN</i>	plu3374_recN	0.406	Surface Structures	b3619	<i>rfaD</i>	plu4847_rfaD	0.243
Surface Structures	BPEN349	<i>pal</i>	Bfl339_pal	1.107	Cell Processes	b3494	<i>yhiO</i>	plu0120	0.407	Surface Structures	b1078	<i>flgG</i>	plu1920_flgG	0.244
Surface Structures	BPEN347	<i>tolA</i>	Bfl337_tolA	1.737	Cell Processes	b0479	<i>fsr</i>	plu3829_fsr	0.408	Surface Structures	b4172	<i>hfq</i>	plu4581_hfq	0.249
Surface Structures	BPEN385	<i>eahH</i>	Bfl374_eahH	2.165	Cell Processes	b0231	<i>dinP</i>	plu1239_dinP	0.410	Surface Structures	b0182	<i>lpxB</i>	plu0685_lpxB	0.254
Surface Structures	BPEN445	<i>tonB</i>	Bfl432_tonB	2.643	Cell Processes	b0340	<i>cynS</i>	plu0112_cynS	0.416	Surface Structures	b1879	<i>flhA</i>	plu1896_flhA	0.254
Translation	BPEN197	<i>rpsJ</i>	Bfl190_rpsJ	0.092	Cell Processes	b0448	<i>mdlA</i>	plu3859_mdlA	0.417	Surface Structures	b3788	<i>rffG</i>	plu4658_rffG	0.254
Translation	BPEN221	<i>rpsK</i>	Bfl214_rpsK	0.101	Cell Processes	b2817	<i>2put</i>	plu0645_amiC	0.419	Surface Structures	b1939	<i>flfG</i>	plu1947_flfG	0.258
Translation	BPEN399	<i>infA</i>	Bfl388_infA	0.114	Cell Processes	b4290	<i>fecB</i>	plu4447_fecB	0.422	Surface Structures	b0740	<i>tolB</i>	plu1455_tolB	0.262

Translation	BPEN202	<i>rpsS</i>	Bf0195_rpsS	0.127	Cell Processes	b1249	<i>cls</i>	plu2487_cls	0.424	Surface Structures	b0922	<i>mukF</i>	plu1637_mukF	0.262
Translation	BPEN584	<i>tuf</i>	Bf0564_tuf	0.131	Cell Processes	b4148	<i>sugE</i>	plu4129_sugE	0.427	Surface Structures	b1941	<i>flil</i>	plu1945_flil	0.265
Translation	BPEN059	<i>rpsU</i>	Bf0058_rpsU	0.171	Cell Processes	b0149	<i>mrcB</i>	plu0883_mrcB	0.429	Surface Structures	b3787	<i>wecC</i>	plu4659_wecC	0.267
Translation	BPEN208	<i>rplN</i>	Bf0201_rplN	0.174	Cell Processes	b1186	<i>nhaB</i>	plu2563_nhaB	0.429	Surface Structures	b3786	<i>wecB</i>	plu4660_wecB	0.269
Translation	BPEN587	<i>rpsL</i>	Bf0567_rpsL	0.193	Cell Processes	b2144	<i>sanA</i>	plu1545_sanA	0.430	Surface Structures	b0245	<i>zorF</i>	plu01355_zorF	0.271
Translation	BPEN585	<i>fusA</i>	Bf0565_fusA	0.201	Cell Processes	b2744	<i>surE</i>	plu0716_surE	0.430	Surface Structures	b1948	<i>flfP</i>	plu1938_flfP	0.275
Translation	BPEN205	<i>rplP</i>	Bf0198_rplP	0.244	Cell Processes	b2744	<i>zorF</i>	plu0712_zorF	0.432	Surface Structures	b1922	<i>flfA</i>	plu1955_flfA	0.275
Translation	BPEN279	<i>rpsB</i>	Bf0271_rpsB	0.244	Cell Processes	b0083	<i>ftsL</i>	plu3661_ftsL	0.436	Surface Structures	b3229	<i>sspA</i>	plu4013_sspA	0.275
Translation	BPEN586	<i>rpsG</i>	Bf0566_rpsG	0.245	Cell Processes	b3088	<i>ygjT</i>	plu3992_ygjT	0.437	Surface Structures	b3730	<i>glmU</i>	plu0038_glmU	0.282
Translation	BPEN204	<i>rpsC</i>	Bf0197_rpsC	0.250	Cell Processes	b0092	<i>ddlB</i>	plu3652_ddlB	0.438	Surface Structures	b1074	<i>flgC</i>	plu1916_flgC	0.293
Translation	BPEN201	<i>rplB</i>	Bf0194_rplB	0.255	Cell Processes	b1881	<i>cheZ</i>	plu1858_cheZ	0.439	Surface Structures	b3202	<i>rpoN</i>	plu4041_rpoN	0.301
Translation	BPEN215	<i>rpsE</i>	Bf0208_rpsE	0.274	Cell Processes	b3779	<i>gppA</i>	plu4666_gppA	0.440	Surface Structures	b0179	<i>lpxD</i>	plu0682_lpxD	0.302
Translation	BPEN097	<i>rpmA</i>	Bf0094_rpmA	0.275	Cell Processes	b0463	<i>acrA</i>	plu3851_acrA	0.441	Surface Structures	b2217	<i>rcsB</i>	plu3048_rcsB	0.311
Translation	BPEN363	<i>infC</i>	Bf0352_infC	0.275	Cell Processes	b2684	<i>emrR</i>	plu1277_mprA	0.445	Surface Structures	b0738	<i>tolR</i>	plu1453_tolR	0.312
Translation	BPEN222	<i>rpsD</i>	Bf0215_rpsD	0.290	Cell Processes	b1432	<i>2put</i>	plu0533_2put	0.448	Surface Structures	b3793	<i>wecF</i>	plu4652_wzyE	0.312
Translation	BPEN220	<i>rpsM</i>	Bf0213_rpsM	0.297	Cell Processes	b1254	<i>yciB</i>	plu2483_ispZ	0.451	Surface Structures	b1949	<i>flfQ</i>	plu1937_flfQ	0.317
Translation	BPEN210	<i>rplE</i>	Bf0203_rplE	0.334	Cell Processes	b1888	<i>cheA</i>	plu1851_cheA	0.451	Surface Structures	b3633	<i>kdtA</i>	plu4854_kdtA	0.326
Translation	BPEN014	<i>rmpH</i>	Bf0015_rmpH	0.335	Cell Processes	b4287	<i>fecE</i>	plu4450_fecE	0.453	Surface Structures	b3791	<i>wecE</i>	plu4655_wecE	0.334
Translation	BPEN089	<i>rpsR</i>	Bf0086_rpsR	0.340	Cell Processes	b3035	<i>toiC</i>	plu3954_toiC	0.456	Surface Structures	b1080	<i>flgI</i>	plu1922_flgI	0.334
Translation	BPEN420	<i>rpmF</i>	Bf0408_rpmF	0.376	Cell Processes	b3292	<i>yhdM</i>	plu4700_zntR	0.477	Surface Structures	b1552	<i>cspI</i>	plu3790_cspI	0.337
Translation	BPEN211	<i>rpsN</i>	Bf0204_rpsN	0.381	Cell Processes	b1599	<i>2pos</i>	plu2124_2pos	0.481	Surface Structures	b1545	<i>zorF</i>	plu3296_zorF	0.340
Translation	BPEN182	<i>rplS</i>	Bf0176_rplS	0.383	Cell Processes	b3017	<i>sufI</i>	plu3947_sufI	0.485	Surface Structures	b1236	<i>galU</i>	plu2501_galU	0.342
Translation	BPEN391	<i>rpsA</i>	Bf0380_rpsA	0.386	Cell Processes	b3005	<i>exbD</i>	plu3940_exbD	0.485	Surface Structures	b1642	<i>slxA</i>	plu2600_slxA	0.347
Translation	BPEN578	<i>rplL</i>	Bf0558_rplL	0.386	Cell Processes	b3228	<i>sspB</i>	plu4012_sspB	0.487	Surface Structures	b0181	<i>lpxA</i>	plu0684_lpxA	0.351
Translation	BPEN219	<i>rmpJ</i>	Bf0212_rmpJ	0.389	Cell Processes	b4292	<i>fecR</i>	plu4445_fecR	0.489	Surface Structures	b4293	<i>fecI</i>	plu4444_fecI	0.354
Translation	BPEN217	<i>rplO</i>	Bf0210_rplO	0.419	Cell Processes	b2835	<i>ygeD</i>	plu1247_ygeD	0.500	Surface Structures	b4289	<i>fecC</i>	plu4448_fecC	0.359
Translation	BPEN562	<i>lepA</i>	Bf0542_lepA	0.422	Cell Processes	b0176	<i>yaeL</i>	plu0679_ecfE	0.503	Surface Structures	b3197	<i>yrbH</i>	plu4036_yrbH	0.362
Translation	BPEN209	<i>rplX</i>	Bf0202_rplX	0.423	Cell Processes	b0839	<i>dacC</i>	plu1573_dacC	0.505	Surface Structures	b4175	<i>hfcI</i>	plu4578_hfcI	0.364
Translation	BPEN203	<i>rplV</i>	Bf0196_rplV	0.427	Cell Processes	b0951	<i>pqiB</i>	plu1767_pqiB	0.511	Surface Structures	b1304	<i>pspA</i>	plu2585_pspA	0.379
Translation	BPEN179	<i>rpsP</i>	Bf0173_rpsP	0.440	Cell Processes	b3811	<i>xerC</i>	plu4638_xerC	0.516	Surface Structures	b3784	<i>rfe</i>	plu4662_wecA	0.381
Translation	BPEN359	<i>prfA</i>	Bf0348_prfA	0.461	Cell Processes	b3400	<i>yrjH</i>	plu0098_hslR	0.519	Surface Structures	b0918	<i>kdsB</i>	plu1634_kdsB	0.390
Translation	BPEN636	<i>rpmB</i>	Bf0162_rpmB	0.471	Cell Processes	b3462	<i>ftsX</i>	plu4102_ftsX	0.522	Surface Structures	b3620	<i>rfaF</i>	plu4848_rfaF	0.398
Translation	BPEN224	<i>rplQ</i>	Bf0217_rplQ	0.478	Cell Processes	b1663	<i>ydhE</i>	plu2611_norM	0.522	Surface Structures	b4283	<i>yrjB</i>	plu1023_yrjB	0.402
Translation	BPEN051	<i>rpsI</i>	Bf0050_rpsI	0.479	Cell Processes	b3235	<i>degS</i>	plu4022_degS	0.525	Surface Structures	b2331	<i>zorF</i>	plu3198_zorF	0.404
Translation	BPEN621	<i>rpmE</i>	Bf0599_rpmE	0.488	Cell Processes	b0950	<i>pqiA</i>	plu1766_pqiA	0.525	Surface Structures	b1303	<i>pspF</i>	plu2586_pspF	0.409
Translation	BPEN214	<i>rplR</i>	Bf0207_rplR	0.491	Cell Processes	b0093	<i>ftsQ</i>	plu3651_ftsQ	0.528	Surface Structures	b1079	<i>flgH</i>	plu1921_flgH	0.411
Translation	BPEN365	<i>rplT</i>	Bf0354_rplT	0.518	Cell Processes	b0339	<i>cynT</i>	plu0111_cynT	0.530	Surface Structures	b4290	<i>fecB</i>	plu4447_fecB	0.422
Translation	BPEN581	<i>rplK</i>	Bf0561_rplK	0.525	Cell Processes	b0435	<i>bolA</i>	plu3871_bolA	0.531	Surface Structures	b4174	<i>hfkK</i>	plu4579_hfkK	0.424
Translation	BPEN635	<i>rpmG</i>	Bf0611_rpmG	0.532	Cell Processes	b2813	<i>mltA</i>	plu0648_mltA	0.531	Surface Structures	b2645	<i>yjzJ</i>	plu0134_yjzJ	0.433
Translation	BPEN212	<i>rpsH</i>	Bf0205_rpsH	0.532	Cell Processes	b0123	<i>yacK</i>	plu0845_cueO	0.540	Surface Structures	b4036	<i>lamB</i>	plu0456_lamB	0.440
Translation	BPEN364	<i>rpmI</i>	Bf0353_rpmI	0.536	Cell Processes	b0879	<i>ybjZ</i>	plu1591_macB	0.544	Surface Structures	b2684	<i>emrR</i>	plu1277_mprA	0.445
Translation	BPEN269	<i>prfB</i>	Bf0261_prfB	0.550	Cell Processes	b0086	<i>murF</i>	plu3658_murF	0.551	Surface Structures	b3794	<i>wecG</i>	plu4651_wecG	0.448
Translation	BPEN199	<i>rplD</i>	Bf0192_rplD	0.598	Cell Processes	b0427	<i>yajR</i>	plu3880_yajR	0.553	Surface Structures	b1892	<i>flhD</i>	plu1847_flhD	0.451
Translation	BPEN198	<i>rplC</i>	Bf0191_rplC	0.599	Cell Processes	b3006	<i>exbB</i>	plu3941_exbB	0.555	Surface Structures	b4287	<i>fecE</i>	plu4450_fecE	0.453
Translation	BPEN580	<i>rplA</i>	Bf0560_rplA	0.606	Cell Processes	b1884	<i>cheR</i>	plu1855_cheR	0.574	Surface Structures	b3035	<i>toiC</i>	plu3954_toiC	0.456
Translation	BPEN111	<i>rpsO</i>	Bf0107_rpsO	0.616	Cell Processes	b0054	<i>imp</i>	plu0612_imp	0.586	Surface Structures	b3634	<i>kdtB</i>	plu4856_coaD	0.467
Translation	BPEN050	<i>rplM</i>	Bf0049_rplM	0.624	Cell Processes	b0799	<i>dinG</i>	plu1524_dinG	0.586	Surface Structures	b1237	<i>hns</i>	plu2498_hns	0.470
Translation	BPEN207	<i>rpsQ</i>	Bf0200_rpsQ	0.651	Cell Processes	b2685	<i>emrA</i>	plu1276_emrA	0.603	Surface Structures	b1946	<i>flfN</i>	plu1940_flfN	0.480
Translation	BPEN096	<i>rplU</i>	Bf0093_rplU	0.652	Cell Processes	b2304	<i>2put</i>	plu3165_2put	0.606	Surface Structures	b4292	<i>fecR</i>	plu4445_fecR	0.489
Translation	BPEN282	<i>frf</i>	Bf0274_frf	0.665	Cell Processes	b0890	<i>ftsK</i>	plu1601_ftsK	0.614	Surface Structures	b0758	<i>galT</i>	plu0575_galT	0.492
Translation	BPEN074	<i>efp</i>	Bf0072_efp	0.665	Cell Processes	b1176	<i>minC</i>	plu2138_minC	0.632	Surface Structures	b1185	<i>dsbB</i>	plu2564_dsbB	0.502
Translation	BPEN280	<i>tsf</i>	Bf0272_tsf	0.692	Cell Processes	b3469	<i>zntA</i>	plu4108_zntA	0.636	Surface Structures	b2344	<i>fadL</i>	plu3202_fadL	0.507
Translation	BPEN090	<i>rplI</i>	Bf0087_rplI	0.726	Cell Processes	b1600	<i>2pos</i>	plu2123_2pos	0.639	Surface Structures	b0174	<i>yaeS</i>	plu0677_uppS	0.526
Translation	BPEN213	<i>rplF</i>	Bf0206_rplF	0.794	Cell Processes	b2182	<i>bcr</i>	plu2866_bcr	0.667	Surface Structures	b4288	<i>fecD</i>	plu4449_fecD	0.531
Translation	BPEN108	<i>infB</i>	Bf0104_infB	0.863	Cell Processes	b2572	<i>rseA</i>	plu3345_rseA	0.670	Surface Structures	b2451	<i>zorF</i>	plu2969_eutA	0.537
Translation	BPEN088	<i>rpsF</i>	Bf0085_rpsF	0.866	Cell Processes	b2074	<i>2put</i>	plu2774_2put	0.671	Surface Structures	b1054	<i>htrB</i>	plu1814_htrB	0.539
Translation	BPEN120	<i>rpsT</i>	Bf0116_rpsT	0.869	Cell Processes	b1477	<i>yddM</i>	plu2085_yddM	0.673	Surface Structures	b0524	<i>ybbF</i>	plu3806_lpxH	0.545
Translation	BPEN200	<i>rplW</i>	Bf0193_rplW	1.026	Cell Processes	b3819	<i>rarD</i>	plu4632_rarD	0.678	Surface Structures	b3621	<i>rfaC</i>	plu4849_rfaC	0.558
Translation	BPEN579	<i>rplJ</i>	Bf0559_rplJ	1.052	Cell Processes	b1905	<i>ftn</i>	plu2689_ftnA	0.700	Surface Structures	b1377	<i>2put</i>	plu1751_ompN	0.574
Translation	BPEN488	<i>rplY</i>	Bf0473_rplY	1.131	Cell Processes	b2495	<i>2put</i>	plu2751_2put	0.708	Surface Structures	b1158	<i>pin</i>	plu0029_pin	0.575
Transport	BPEN003	<i>atpE</i>	Bf0003_atpE	0.127	Cell Processes	b0019	<i>nhaA</i>	plu0587_nhaA	0.731	Surface Structures	b1938	<i>flfI</i>	plu1948_flfI	0.580
Transport	BPEN029	<i>yjcE</i>	Bf0029_yjcE	0.172	Cell Processes	b0111	<i>ampE</i>	plu3636_ampE	0.752	Surface Structures	b1855	<i>msbB</i>	plu2117_msbB	0.598
Transport	BPEN008	<i>atpD</i>	Bf0008_atpD	0.206	Cell Processes	b4355	<i>tsr</i>	plu1853_cheD	0.761	Surface Structures	b1073	<i>flgB</i>	plu1915_flgB	0.606
Transport	BPEN518	<i>mntH</i>	Bf0502_mntH	0.213	Cell Processes	b0624	<i>crxB</i>	plu1290_crcB	0.794	Surface Structures	b1077	<i>flgF</i>	plu1919_flgF	0.620
Transport	BPEN353	<i>ybhL</i>	Bf0343_ybhL	0.218	Cell Processes	b0878	<i>2put</i>	plu1590_macA	0.814	Surface Structures	b4271	<i>intB</i>	plu4477_intB	0.623
Transport	BPEN470	<i>yceL</i>	Bf0455_yceL	0.235	Cell Processes	b4169	<i>amiB</i>	plu4584_amiB	0.816	Surface Structures	b0739	<i>tolA</i>	plu1454_tolA	0.628
Transport	BPEN527	<i>ptsI</i>	Bf0510_ptsI	0.245	Cell Processes	b2786	<i>barA</i>	plu0908_barA	0.821	Surface Structures	b0915	<i>ycbH</i>	plu1631_lpxK	0.639

Transport	BPEN460	<i>manY</i>	Bfl446_manY	0.255	Cell Processes	b4241	<i>treR</i>	plu3289_treR	0.826	Surface Structures	b1923	<i>flfC</i>	plu1954_flfC	0.641
Transport	BPEN461	<i>manZ</i>	Bfl447_manZ	0.261	Cell Processes	b4392	<i>slt</i>	plu0556_slt	0.845	Surface Structures	b1305	<i>pspB</i>	plu2584_pspB	0.644
Transport	BPEN251	<i>cyoB</i>	Bfl244_cyoB	0.261	Cell Processes	b0376	<i>yaiH</i>	plu4478_ampH	0.867	Surface Structures	b4312	<i>flmB</i>	plu0260	0.660
Transport	BPEN006	<i>atpA</i>	Bfl006_atpA	0.272	Cell Processes	b0464	<i>acrR</i>	plu3850_acrR	0.871	Surface Structures	b0757	<i>galK</i>	plu0576_galK	0.665
Transport	BPEN218	<i>secY</i>	Bfl211_secY	0.275	Cell Processes	b2952	<i>yggT</i>	plu1178	0.872	Surface Structures	b3966	<i>btuB</i>	plu4735_btuB	0.672
Transport	BPEN371	<i>sufC</i>	Bfl360_sufC	0.278	Cell Processes	b0338	<i>cynR</i>	plu0110_cynR	0.889	Surface Structures	b1950	<i>flfR</i>	plu1936_flfR	0.681
Transport	BPEN508	<i>nuoB</i>	Bfl492_nuoB	0.279	Cell Processes	b3327	<i>yheA</i>	plu4729	0.909	Surface Structures	b1889	<i>motB</i>	plu1850_motB	0.686
Transport	BPEN528	<i>cysA</i>	Bfl511_cysA	0.283	Cell Processes	b2571	<i>rseB</i>	plu3344_rseB	0.923	Surface Structures	b1880	<i>flhB</i>	plu1895_flhB	0.692
Transport	BPEN152	<i>secA</i>	Bfl148_secA	0.287	Cell Processes	b1728	<i>2orf</i>	plu2679	0.965	Surface Structures	b3785	<i>wzcE</i>	plu4661_wzcE	0.698
Transport	BPEN507	<i>nuoCD</i>	Bfl491_nuoCD	0.291	Cell Processes	b0588	<i>lepC</i>	plu4626_lepC	0.966	Surface Structures	b1613	<i>manA</i>	plu2360_manA	0.705
Transport	BPEN390	<i>msbA</i>	Bfl379_msbA	0.310	Cell Processes	b3933	<i>ftsN</i>	plu4761_ftsN	0.974	Surface Structures	b1554	<i>2put</i>	plu3414	0.713
Transport	BPEN502	<i>nuoI</i>	Bfl486_nuoI	0.340	Cell Processes	b0543	<i>emrE</i>	plu2566	1.067	Surface Structures	b3842	<i>rfaH</i>	plu4406_rfaH	0.742
Transport	BPEN505	<i>nuoF</i>	Bfl489_nuoF	0.374	Cell Processes	b2412	<i>zipA</i>	plu1397_zipA	1.074	Surface Structures	b1256	<i>yciD</i>	plu2478_ompW	0.745
Transport	BPEN526	<i>ptsH</i>	Bfl509_ptsH	0.389	Cell Processes	b1061	<i>dinI</i>	plu1815_dinI	1.103	Surface Structures	b1076	<i>flgE</i>	plu1918_flgE	0.760
Transport	BPEN042	<i>znuB</i>	Bfl041	0.398	Cell Processes	b2570	<i>rseC</i>	plu3343_rseC	1.124	Surface Structures	b4285	<i>2put</i>	plu1024	0.767
Transport	BPEN530	<i>cysU</i>	Bfl513_cysU	0.405	Cell Processes	b2257	<i>2orf</i>	plu2656_2pbg	1.155	Surface Structures	b1362	<i>2put</i>	plu3413	0.782
Transport	BPEN024	<i>pitA</i>	Bfl024_pitA	0.413	Cell Processes	b1650	<i>nemA</i>	plu1975	1.189	Surface Structures	b1306	<i>pspC</i>	plu2583_pspC	0.823
Transport	BPEN503	<i>nuoH</i>	Bfl487_nuoH	0.417	Cell Processes	b3388	<i>damX</i>	plu0088_damX	1.202	Surface Structures	b0759	<i>galE</i>	plu4831_galE	0.834
Transport	BPEN043	<i>yhbG</i>	Bfl042_yhbG	0.419	Cell Processes	b4150	<i>ampC</i>	plu0831_ampC	1.224	Surface Structures	b1081	<i>flgJ</i>	plu1923_flgJ	0.862
Transport	BPEN145	<i>ftsW</i>	Bfl141_ftsW	0.425	Cell Processes	b3762	<i>yifA</i>	plu4688_pssR	1.263	Surface Structures	b1075	<i>flgD</i>	plu1917_flgD	0.866
Transport	BPEN315	<i>ytfF</i>	Bfl307_ytfF	0.467	Cell Processes	b0958	<i>sulA</i>	plu1776_sulA	1.285	Surface Structures	b2002	<i>yeeS</i>	plu0133	0.872
Transport	BPEN531	<i>cysP</i>	Bfl514_cysP	0.469	Cell Processes	b1379	<i>hslJ</i>	plu2144_hslJ	1.296	Surface Structures	b1937	<i>flfE</i>	plu1949_flfE	0.904
Transport	BPEN237	<i>yajC</i>	Bfl231_yajC	0.483	Cell Processes	b3361	<i>fic</i>	plu3503_fic	1.366	Surface Structures	b3790	<i>wecD</i>	plu4656_wecD	0.907
Transport	BPEN007	<i>atpG</i>	Bfl007_atpG	0.489	Cell Processes	b1732	<i>katE</i>	plu3068_katE	1.368	Surface Structures	b1083	<i>flgL</i>	plu1925_flgL	0.910
Transport	BPEN597	<i>corA</i>	Bfl577_corA	0.498	Cell Processes	b1430	<i>tehB</i>	plu3742_tehB	1.399	Surface Structures	b1944	<i>flfL</i>	plu1942_flfL	1.029
Transport	BPEN500	<i>nuoK</i>	Bfl484_nuoK	0.499	Cell Processes	b1922	<i>cutF</i>	plu0691_cutF	1.479	Surface Structures	b2349	<i>intC</i>	plu0125	1.054
Transport	BPEN325	<i>phoL</i>	Bfl317_phoL	0.514	Cell Processes	b4376	<i>osmY</i>	plu4248_osmY	1.492	Surface Structures	b1942	<i>flfJ</i>	plu1944_flfJ	1.056
Transport	BPEN519	<i>nupC</i>	Bfl503_nupC	0.565	Cell Processes	b2698	<i>oraA</i>	plu3294_recX	1.531	Surface Structures	b0543	<i>emrE</i>	plu2566	1.067
Transport	BPEN504	<i>nuoG</i>	Bfl488_nuoG	0.567	Cell Processes	b0598	<i>cstA</i>	plu4522_cstA	1.537	Surface Structures	b1071	<i>flgM</i>	plu1913_flgM	1.068
Transport	BPEN316	<i>mrdB</i>	Bfl308_mrdB	0.571	Cell Processes	b0713	<i>ybgL</i>	plu4304	1.578	Surface Structures	b1940	<i>flfH</i>	plu1946_flfH	1.086
Transport	BPEN012	<i>yidCD</i>	Bfl012_yidC	0.573	Cell Processes	b0590	<i>lepD</i>	plu4624_lepD	1.690	Surface Structures	b2218	<i>rcsC</i>	plu3049_rcsC	1.096
Transport	BPEN459	<i>manX</i>	Bfl445_manX	0.578	Cell Processes	b1102	<i>flhU</i>	plu4622_flhU	1.712	Surface Structures	b1925	<i>flfS</i>	plu1952_flfS	1.110
Transport	BPEN407	<i>lolD</i>	Bfl395_lolD	0.581	Cell Processes	b0605	<i>ahpC</i>	plu3907_ahpC	1.819	Surface Structures	b2354	<i>2orf</i>	plu3023	1.130
Transport	BPEN529	<i>cysW</i>	Bfl512_cysW	0.585	Cell Processes	b0587	<i>lepE</i>	plu3834_lepE	2.052	Surface Structures	b1082	<i>flgK</i>	plu1924_flgK	1.143
Transport	BPEN009	<i>atpC</i>	Bfl009_atpC	0.618	Cell Processes	b4361	<i>dnaC</i>	plu3472	2.060	Surface Structures	b1947	<i>flfO</i>	plu1939_flfO	1.148
Transport	BPEN252	<i>cyoA</i>	Bfl245_cyoA	0.623	Cell Processes	b1840	<i>2put</i>	plu2687	2.141	Surface Structures	b0108	<i>ppdD</i>	plu3638_ppdD	1.165
Transport	BPEN506	<i>nuoE</i>	Bfl490_nuoE	0.646	Cell Processes	b1916	<i>sdhA</i>	plu0320	2.490	Surface Structures	b0814	<i>ompX</i>	plu2480	1.168
Transport	BPEN561	<i>lepB</i>	Bfl541_lepB	0.671	Cell Processes	b0585	<i>fes</i>	plu4257	3.040	Surface Structures	b2082	<i>ogrK</i>	plu0008_ogrK	1.195
Transport	BPEN499	<i>nuoL</i>	Bfl483_nuoL	0.686	Cell Processes	b3026	<i>ygiY</i>	plu3178_tetE	3.085	Surface Structures	b0107	<i>hofB</i>	plu3639_hofB	1.205
Transport	BPEN498	<i>nuoM</i>	Bfl482_nuoM	0.687	Cell Processes	b2370	<i>evgS</i>	plu2284_bvgS	3.199	Surface Structures	b4225	<i>chpB</i>	plu2365	1.304
Transport	BPEN052	<i>yraP</i>	Bfl051_yraP	0.708	Cell Processes	b3673	<i>emrD</i>	plu0472	3.201	Surface Structures	b2064	<i>asmA</i>	plu1558_asmA	1.337
Transport	BPEN491	<i>omp</i>	Bfl475_omp	0.721	Cell Processes	b0341	<i>cynX</i>	plu1003	4.250	Surface Structures	b1156	<i>ycfA</i>	plu3327	1.338
Transport	BPEN104	<i>secG</i>	BflT0096	0.729	Chaperonins	b0145	<i>dksA</i>	plu0876_dksA	0.055	Surface Structures	b1559	<i>2orf</i>	plu2911	1.362
Transport	BPEN238	<i>secD</i>	Bfl232_secD	0.750	Chaperonins	b4142	<i>mopB</i>	plu4135_2gro	0.079	Surface Structures	b3632	<i>rfaQ</i>	plu4853_rfaQ	1.427
Transport	BPEN004	<i>atpF</i>	Bfl004_atpF	0.753	Chaperonins	b0014	<i>dnaK</i>	plu0579_dnaK	0.110	Surface Structures	b1252	<i>tonB</i>	plu2485_tonB	1.439
Transport	BPEN075	<i>yjeP</i>	Bfl073_yjeP	0.759	Chaperonins	b4143	<i>mopA</i>	plu4134_2gro	0.123	Surface Structures	b0196	<i>rcsF</i>	plu0694	1.449
Transport	BPEN654	<i>ftsY</i>	Bfl627_ftsY	0.783	Chaperonins	b3931	<i>hslU</i>	plu4763_hslU	0.131	Surface Structures	b0551	<i>ybcQ</i>	plu3038	1.491
Transport	BPEN250	<i>cyoC</i>	Bfl243_cyoC	0.787	Chaperonins	b3932	<i>hslV</i>	plu4762_hslV	0.136	Surface Structures	b1924	<i>flfD</i>	plu1953_flfD	1.528
Transport	BPEN509	<i>nuoA</i>	Bfl493_nuoA	0.801	Chaperonins	b3609	<i>secB</i>	plu4839_secB	0.144	Surface Structures	b0547	<i>ybcN</i>	plu2914	1.585
Transport	BPEN593	<i>gntY</i>	Bfl573_yhgI	0.857	Chaperonins	b2592	<i>clpB</i>	plu1270_clpB	0.172	Surface Structures	b1926	<i>flfT</i>	plu1951_flfT	1.623
Transport	BPEN408	<i>lolC</i>	Bfl396_ycfU	0.883	Chaperonins	b0015	<i>dnaJ</i>	plu0580_dnaJ	0.178	Surface Structures	b1102	<i>flhE</i>	plu4622_flhE	1.712
Transport	BPEN406	<i>lolE</i>	Bfl394_lolE	0.909	Chaperonins	b0473	<i>htpG</i>	plu3837_htpG	0.184	Surface Structures	b0256	<i>tra8I</i>	plu0854_2ISP	1.805
Transport	BPEN239	<i>secF</i>	Bfl233_secF	0.923	Chaperonins	b3349	<i>slfD</i>	plu0422_slfD	0.190	Surface Structures	b2355	<i>yfdL</i>	plu3330	1.904
Transport	BPEN497	<i>nuoN</i>	Bfl481_nuoN	0.926	Chaperonins	b1683	<i>yhjE</i>	plu2621_sufB	0.196	Surface Structures	b2335	<i>2put</i>	plu0774_mrfE	2.008
Transport	BPEN247	<i>yajR</i>	Bfl240_yajR	0.927	Chaperonins	b0525	<i>ppiB</i>	plu3805_ppiB	0.202	Surface Structures	b2155	<i>cirA</i>	plu2850	2.015
Transport	BPEN583	<i>secE</i>	Bfl563_secE	0.936	Chaperonins	b0436	<i>tig</i>	plu3870_tig	0.208	Surface Structures	b1070	<i>flgN</i>	plu1912_flgN	2.096
Transport	BPEN178	<i>flh</i>	Bfl172_flh	0.947	Chaperonins	b3738	<i>atpB</i>	plu0046_atpB	0.212	Surface Structures	b0272	<i>yagI</i>	plu0139	2.196
Transport	BPEN005	<i>atpH</i>	Bfl005_atpH	0.977	Chaperonins	b4034	<i>malE</i>	plu4058_malE	0.241	Surface Structures	b1072	<i>flgA</i>	plu1914_flgA	2.236
Transport	BPEN123	<i>lspA</i>	Bfl119_lspA	1.055	Chaperonins	b0168	<i>map</i>	plu0671_map	0.250	Surface Structures	b3628	<i>rfaB</i>	plu0452	2.249
Transport	BPEN501	<i>nuoJ</i>	Bfl485_nuoJ	1.088	Chaperonins	b2526	<i>hscA</i>	plu3279_hscA	0.275	Surface Structures	b4314	<i>flmA</i>	plu0418	2.302
Transport	BPEN044	<i>yhbN</i>	Bfl043_yhbN	1.181	Chaperonins	b2524	<i>yfhJ</i>	plu3277	0.313	Surface Structures	b0530	<i>sfmA</i>	plu2159	2.304
Transport	BPEN036	<i>yjgP</i>	Bfl036_yjgP	1.192	Chaperonins	b4207	<i>flkB</i>	plu4561_flkB	0.325	Surface Structures	b2333	<i>2put</i>	plu0776_mrfG	2.322
Transport	BPEN397	<i>ftsK</i>	Bfl386_ftsK	1.213	Chaperonins	b2528	<i>yfhF</i>	plu3281	0.330	Surface Structures	b1943	<i>flfK</i>	plu1943_flfK	2.501
Unclassified	BPEN431	<i>yccV</i>	Bfl419_yccV	0.160	Chaperonins	b0215	<i>dnaQ</i>	plu0943_dnaQ	0.355	Surface Structures	b0258	<i>ykfC</i>	plu1111	2.517
Unclassified	BPEN475	<i>yeeX</i>	Bfl460_yeeX	0.258	Chaperonins	b3363	<i>ppiA</i>	plu0391_ppiA	0.359	Surface Structures	b2028	<i>ugd</i>	plu2500	2.621
Unclassified	BPEN258	<i>yqgE</i>	Bfl251_yqgE	0.329	Chaperonins	b1830	<i>prc</i>	plu2682_prc	0.382	Surface Structures	b2825	<i>ppdB</i>	plu0627_ppdB	2.642
Unclassified	BPEN614	<i>ilvG</i>	Bfl593_ilvG	0.340	Chaperonins	b1243	<i>oppA</i>	plu2493_2opp	0.427	Surface Structures	b1579	<i>2put</i>	plu3487	2.854

Unclassified	BPEN227	<i>yrpC</i>	Bfl220_yrpC	0.446	Chaperonins	b3347	<i>fkpA</i>	plu0424_fkpA	0.430	Surface Structures	b1140	<i>intE</i>	plu2947	3.367
Unclassified	BPEN378	<i>ydhD</i>	Bfl367_ydhD	0.476	Chaperonins	b0053	<i>surA</i>	plu0611_surA	0.459	Surface Structures	b3624	<i>rfaZ</i>	plu2020_rfaZ	3.388
Unclassified	BPEN018	<i>unknown</i>	Bfl019	0.506	Chaperonins	b0953	<i>rnfJ</i>	plu1769_rnfJ	0.465	Surface Structures	b3631	<i>rfaG</i>	plu4852_rfaG	3.393
Unclassified	BPEN160	<i>yadr</i>	Bfl155_yadR	0.537	Chaperonins	b0055	<i>yabH</i>	plu0613_djIA	0.466	Surface Structures	b4280	<i>yjhC</i>	plu4197_wblB	3.705
Unclassified	BPEN265	<i>ygfE</i>	Bfl258_ygfE	0.544	Chaperonins	b3891	<i>fdhE</i>	plu4896_fdhE	0.495	Surface Structures	b1951	<i>rcsA</i>	plu1817	3.782
Unclassified	BPEN053	<i>yraL</i>	Bfl052_yraL	0.551	Chaperonins	b1185	<i>dsbB</i>	plu2564_dsbB	0.502	Surface Structures	b0150	<i>fluA</i>	plu2316	3.791
Unclassified	BPEN650	<i>yigN</i>	Bfl623_rumC	0.559	Chaperonins	b3401	<i>yrjI</i>	plu0099_hslO	0.511	Tn-Related	b4283	<i>ypj1b</i>	plu1023	0.402
Unclassified	BPEN411	<i>ycfH</i>	Bfl399_ycfH	0.565	Chaperonins	b3895	<i>fdhD</i>	plu4885_fdhD	0.524	Tn-Related	b4285	<i>2put</i>	plu1024	0.767
Unclassified	BPEN255	<i>ygxX</i>	Bfl248_ygxX	0.617	Chaperonins	b0891	<i>lolA</i>	plu1602_lolA	0.532	Tn-Related	b3411	<i>yhgA</i>	plu1669	0.809
Unclassified	BPEN435	<i>ycbL</i>	Bfl423_ycbL	0.641	Chaperonins	b0028	<i>slpA</i>	plu0593_fkpB	0.583	Tn-Related	b0022	<i>insA1</i>	plu4616	1.157
Unclassified	BPEN599	<i>yigB</i>	Bfl578_yigB	0.683	Chaperonins	b0178	<i>hlpA</i>	plu0681_hlpA	0.602	Tn-Related	b0256	<i>tra81</i>	plu0854_2ISP	1.805
Unclassified	BPEN401	<i>yqeI</i>	Bfl390_yqeI	0.698	Chaperonins	b2614	<i>grpE</i>	plu3372_grpE	0.615	Translation	b3065	<i>rpsU</i>	plu3977_rpsU	0.000
Unclassified	BPEN496	<i>yfaE</i>	Bfl480_yfaE	0.711	Chaperonins	b2527	<i>yfhE</i>	plu3280_hscB	0.620	Translation	b4202	<i>rpsR</i>	plu4571_rpsR	0.000
Unclassified	BPEN430	<i>yccK</i>	Bfl418_yccK	0.712	Chaperonins	b3860	<i>dsbA</i>	plu0381_dsbA	0.628	Translation	b3297	<i>rpsK</i>	plu4704_rpsK	0.008
Unclassified	BPEN568	<i>smpB</i>	Bfl548_smpB	0.719	Chaperonins	b2893	<i>dsbC</i>	plu3551_dsbC	0.807	Translation	b0884	<i>infA</i>	plu1595_infA	0.014
Unclassified	BPEN324	<i>ybeY</i>	Bfl316_ybeY	0.749	Chaperonins	b1083	<i>flgL</i>	plu1925_flgL	0.910	Translation	b3321	<i>rpsJ</i>	plu4727_rpsJ	0.020
Unclassified	BPEN264	<i>ygfA</i>	Bfl257_ygfA	0.750	Chaperonins	b2336	<i>yfcS</i>	plu0772_mrfD	0.920	Translation	b3703	<i>rpmH</i>	plu4909_rpmH	0.022
Unclassified	BPEN031	<i>yjgF</i>	Bfl031_yjgF	0.779	Chaperonins	b0441	<i>ybaU</i>	plu3865_ppiD	1.000	Translation	b3309	<i>rplX</i>	plu4715_rplX	0.030
Unclassified	BPEN354	<i>ychF</i>	Bfl344_ychF	0.791	Chaperonins	b1082	<i>flgK</i>	plu1924_flgK	1.143	Translation	b3341	<i>rpsG</i>	plu0430_rpsG	0.034
Unclassified	BPEN466	<i>yebA</i>	Bfl451_yebA	0.836	Chaperonins	b2110	<i>yehC</i>	plu0506	1.342	Translation	b3313	<i>rplP</i>	plu4719_rplP	0.038
Unclassified	BPEN655	<i>yhhF</i>	Bfl628_yhhF	0.851	Chaperonins	b3148	<i>yral</i>	plu2158	1.414	Translation	b3185	<i>rpmA</i>	plu4541_rpmA	0.038
Unclassified	BPEN049	<i>yhcB</i>	Bfl048_yhcB	0.884	Chaperonins	b1926	<i>fliT</i>	plu1951_fliT	1.623	Translation	b3308	<i>rplE</i>	plu4714_rplE	0.040
Unclassified	BPEN639	<i>yicC</i>	Bfl614_yicC	0.896	Chaperonins	b0531	<i>sfmC</i>	plu0787	1.827	Translation	b3316	<i>rpsS</i>	plu4722_rpsS	0.045
Unclassified	BPEN351	<i>ybhE</i>	Bfl341_ybhE	0.899	Chaperonins	b1912	<i>flgN</i>	plu1912_flgN	2.096	Translation	b3315	<i>rplV</i>	plu4721_rplV	0.048
Unclassified	BPEN257	<i>yqfF</i>	Bfl250_yqfF	0.903	Cofactor Biosyn.	b1779	<i>gapA</i>	plu2558_gapA	0.104	Translation	b3314	<i>rpsC</i>	plu4720_rpsC	0.050
Unclassified	BPEN567	<i>yfgG</i>	Bfl547_yfgG	0.908	Cofactor Biosyn.	b2262	<i>menB</i>	plu3071_menB	0.121	Translation	b0911	<i>rpsA</i>	plu1622_rpsA	0.051
Unclassified	BPEN268	<i>ygfZ</i>	Bfl260_ygfZ	0.919	Cofactor Biosyn.	b2551	<i>glyA</i>	plu3291_glyA	0.123	Translation	b3311	<i>rpsQ</i>	plu4717_rpsQ	0.052
Unclassified	BPEN549	<i>engA</i>	Bfl530_engA	0.942	Cofactor Biosyn.	b0009	<i>mog</i>	plu0569_mog	0.151	Translation	b3310	<i>rplN</i>	plu4716_rplN	0.053
Unclassified	BPEN079	<i>yjeE</i>	Bfl077_yjeE	0.948	Cofactor Biosyn.	b2515	<i>gcpE</i>	plu1376_gcpE	0.154	Translation	b2606	<i>rplS</i>	plu1260_rplS	0.054
Unclassified	BPEN318	<i>ybeB</i>	Bfl310_ybeB	0.998	Cofactor Biosyn.	b1277	<i>ribA</i>	plu2431_ribA	0.154	Translation	b3304	<i>rplR</i>	plu4710_rplR	0.056
Unclassified	BPEN400	<i>oprC</i>	Bfl389_oprC	1.045	Cofactor Biosyn.	b3843	<i>yigC</i>	plu4405_ubtD	0.162	Translation	b3319	<i>rplD</i>	plu4725_rplD	0.057
Unclassified	BPEN388	<i>ycaR</i>	Bfl377_ycaR	1.104	Cofactor Biosyn.	b2153	<i>folE</i>	plu1543_folE	0.164	Translation	b3294	<i>rplQ</i>	plu4701_rplQ	0.058
Unclassified	BPEN045	<i>yrbK</i>	Bfl044_yrbK	1.419	Cofactor Biosyn.	b2746	<i>ygbB</i>	plu0714_ispF	0.172	Translation	b3342	<i>rplM</i>	plu0429_rplM	0.059
Unclassified	BPEN629	<i>yibN</i>	Bfl606_yibN	1.446	Cofactor Biosyn.	b0783	<i>moaC</i>	plu1500_moaC	0.175	Translation	b3296	<i>rpsD</i>	plu4703_rpsD	0.062
Unclassified	BPEN093	<i>ytfN</i>	Bfl090_ytfN	1.537	Cofactor Biosyn.	b3994	<i>thiC</i>	plu0486_thiC	0.177	Translation	b1716	<i>rplT</i>	plu2666_rplT	0.062
Unclassified	BPEN409	<i>ycfM</i>	Bfl397_ycfM	1.603	Cofactor Biosyn.	b3997	<i>hemE</i>	plu0489_hemE	0.179	Translation	b3980	<i>tufB</i>	plu4730_tufA	0.063
					Cofactor Biosyn.	b0154	<i>hemL</i>	plu0902_hemL	0.182	Translation	b3318	<i>rplW</i>	plu4724_rplW	0.064
					Cofactor Biosyn.	b2400	<i>glxX</i>	plu1401_glxX	0.194	Translation	b3637	<i>rpmB</i>	plu4864_rpmB	0.067
					Cofactor Biosyn.	b0529	<i>folD</i>	plu4317_folD	0.196	Translation	b3231	<i>rplM</i>	plu4015_rplM	0.067
					Cofactor Biosyn.	b4154	<i>frdA</i>	plu4124_frdA	0.217	Translation	b0169	<i>rpsB</i>	plu0672_rpsB	0.070
					Cofactor Biosyn.	b0775	<i>bioB</i>	plu1485_bioB	0.231	Translation	b3317	<i>rplB</i>	plu4723_rplB	0.070
					Cofactor Biosyn.	b2311	<i>ubiX</i>	plu3166_ubiX	0.232	Translation	b3636	<i>rpmG</i>	plu4863_rpmG	0.078
					Cofactor Biosyn.	b0428	<i>cyoE</i>	plu3879_cyoE	0.232	Translation	b3984	<i>rplA</i>	plu0436_rplA	0.082
					Cofactor Biosyn.	b0420	<i>dxs</i>	plu3887_dxs	0.239	Translation	b3306	<i>rpsH</i>	plu4712_rpsH	0.083
					Cofactor Biosyn.	b3619	<i>rfaD</i>	plu4847_rfaD	0.243	Translation	b3303	<i>rpsE</i>	plu4709_rpsE	0.086
					Cofactor Biosyn.	b0029	<i>lytB</i>	plu0594_lytB	0.252	Translation	b2569	<i>lepA</i>	plu3342_lepA	0.088
					Cofactor Biosyn.	b3788	<i>rffG</i>	plu4658_rffG	0.254	Translation	b3983	<i>rplK</i>	plu0435_rplK	0.092
					Cofactor Biosyn.	b0423	<i>yajK</i>	plu3884_thiI	0.259	Translation	b3230	<i>rpsI</i>	plu4014_rpsI	0.092
					Cofactor Biosyn.	b3833	<i>ubiE</i>	plu4413_ubiE	0.259	Translation	b3320	<i>rplC</i>	plu4726_rplC	0.095
					Cofactor Biosyn.	b3041	<i>ribB</i>	plu3963_ribB	0.260	Translation	b3312	<i>rpmC</i>	plu4718_rpmC	0.102
					Cofactor Biosyn.	b0415	<i>ribH</i>	plu3898_ribH	0.261	Translation	b1089	<i>rpmF</i>	plu2837_rpmF	0.106
					Cofactor Biosyn.	b1658	<i>purR</i>	plu2605_purR	0.264	Translation	b3307	<i>rpsN</i>	plu4713_rpsN	0.108
					Cofactor Biosyn.	b0750	<i>nadA</i>	plu1468_nadA	0.266	Translation	b3302	<i>rpmD</i>	plu4708_rpmD	0.116
					Cofactor Biosyn.	b4390	<i>nadR</i>	plu0553_nadR	0.272	Translation	b4203	<i>rplI</i>	plu4570_rplI	0.128
					Cofactor Biosyn.	b3974	<i>coaA</i>	plu4731_coaA	0.276	Translation	b3298	<i>rpsM</i>	plu45705_rpsM	0.135
					Cofactor Biosyn.	b2574	<i>nadB</i>	plu3347_nadB	0.278	Translation	b3305	<i>rplF</i>	plu4711_rplF	0.146
					Cofactor Biosyn.	b2927	<i>epd</i>	plu0955_epd	0.284	Translation	b4375	<i>prfC</i>	plu4249_prfC	0.150
					Cofactor Biosyn.	b3835	<i>yigR</i>	plu4411_ubiB	0.286	Translation	b3985	<i>rplJ</i>	plu0437_rplJ	0.152
					Cofactor Biosyn.	b3187	<i>ispB</i>	plu4543_ispB	0.287	Translation	b4147	<i>epf</i>	plu4130_epf	0.165
					Cofactor Biosyn.	b3258	<i>panF</i>	plu4086_panF	0.288	Translation	b3186	<i>rplU</i>	plu4542_rplU	0.172
					Cofactor Biosyn.	b0764	<i>modB</i>	plu1477_modB	0.300	Translation	b3301	<i>rplO</i>	plu4707_rplO	0.173
					Cofactor Biosyn.	b0131	<i>panD</i>	plu0870_panD	0.308	Translation	b3165	<i>rpsO</i>	plu4526_rpsO	0.179
					Cofactor Biosyn.	b0048	<i>folA</i>	plu0606_folA	0.310	Translation	b4200	<i>rpsF</i>	plu4573_rpsF	0.191
					Cofactor Biosyn.	b2373	<i>yfjB</i>	plu3373_ppnK	0.311	Translation	b0023	<i>rpsT</i>	plu0589_rpsT	0.195
					Cofactor Biosyn.	b3426	<i>glpD</i>	plu0194_glpD	0.311	Translation	b3986	<i>rplL</i>	plu0438_rplL	0.200
					Cofactor Biosyn.	b3867	<i>hemN</i>	plu0230_hemN	0.316	Translation	b1211	<i>prfA</i>	plu2070_prfA	0.201
					Cofactor Biosyn.	b2232	<i>ubiG</i>	plu3051_ubiG	0.319	Translation	b3340	<i>fusA</i>	plu0431_fusA	0.206

**(b) Buchnera APS vs. Buchnera SG**

Amino Acid Biosyn.	BU124	<i>aroH</i>	BSG116_aroH	0.096	Cofactor Biosyn.	b0529	<i>folD</i>	plu4317_folD	0.196	Translation	b3231	<i>rplM</i>	plu4015_rplM	0.067
Amino Acid Biosyn.	BU144	<i>carB</i>	BSG137_carB	0.134	Cofactor Biosyn.	b4154	<i>frdA</i>	plu4124_frdA	0.217	Translation	b0169	<i>rpsB</i>	plu0672_rpsB	0.070
Amino Acid Biosyn.	BU099	<i>hisG</i>	BSG092_hisG	0.140	Cofactor Biosyn.	b0775	<i>bioB</i>	plu1485_bioB	0.231	Translation	b3317	<i>rplB</i>	plu4723_rplB	0.070
Amino Acid Biosyn.	BU226	<i>ilvI</i>	BSG220_ilvI	0.149	Cofactor Biosyn.	b2311	<i>ubiX</i>	plu3166_ubiX	0.232	Translation	b3636	<i>rpmG</i>	plu4863_rpmG	0.078
Amino Acid Biosyn.	BU456	<i>argA</i>	BSG441_argA	0.149	Cofactor Biosyn.	b0428	<i>cyoE</i>	plu3879_cyoE	0.232	Translation	b3984	<i>rplA</i>	plu0436_rplA	0.082
Amino Acid Biosyn.	BUplL04	<i>leuA</i>	BSGpL04	0.156	Cofactor Biosyn.	b0420	<i>dxs</i>	plu3887_dxs	0.239	Translation	b3306	<i>rpsH</i>	plu4712_rpsH	0.083
Amino Acid Biosyn.	BU192	<i>thrC</i>	BSG186_thrC	0.158	Cofactor Biosyn.	b3619	<i>rfaD</i>	plu4847_rfaD	0.243	Translation	b3303	<i>rpsE</i>	plu4709_rpsE	0.086
Amino Acid Biosyn.	BU538	<i>aroB</i>	BSG519_aroB	0.178	Cofactor Biosyn.	b0029	<i>lytB</i>	plu0594_lytB	0.252	Translation	b2569	<i>lepA</i>	plu3342_lepA	0.088
Amino Acid Biosyn.	BU145	<i>carA</i>	BSG138_carA	0.190	Cofactor Biosyn.	b3788	<i>rffG</i>	plu4658_rffG	0.254	Translation	b3983	<i>rplK</i>	plu0435_rplK	0.092
Amino Acid Biosyn.	BU539	<i>aroK</i>	BSG520_aroK	0.192	Cofactor Biosyn.	b0423	<i>yajK</i>	plu3884_thiI	0.259	Translation	b3230	<i>rpsI</i>	plu4014_rpsI	0.092
Amino Acid Biosyn.	BU225	<i>ilvH</i>	BSG219_ilvH	0.193	Cofactor Biosyn.	b3833	<i>ubiE</i>	plu4413_ubiE	0.259	Translation	b3320	<i>rplC</i>	plu4726_rplC	0.095
Amino Acid Biosyn.	BU096	<i>dapA</i>	BSG088_dapA	0.202	Cofactor Biosyn.	b3041	<i>ribB</i>	plu3963_ribB	0.260	Translation	b3312	<i>rpmC</i>	plu4718_rpmC	0.102
Amino Acid Biosyn.	BU193	<i>thrB</i>	BSG187_thrB	0.208	Cofactor Biosyn.	b0415	<i>ribH</i>	plu3898_ribH	0.261	Translation	b1089	<i>rpmF</i>	plu2837_rpmF	0.106
Amino Acid Biosyn.	BUplT02	<i>trpG</i>	BSGpT02	0.218	Cofactor Biosyn.	b1658	<i>purR</i>	plu2605_purR	0.264	Translation	b3307	<i>rpsN</i>	plu4713_rpsN	0.108
Amino Acid Biosyn.	BU049	<i>argB</i>	BSG046_argB	0.222	Cofactor Biosyn.	b0750	<i>nadA</i>	plu1468_nadA	0.266	Translation	b3302	<i>rpmD</i>	plu4708_rpmD	0.116
Amino Acid Biosyn.	BU097	<i>aroC</i>	BSG090_aroC	0.228	Cofactor Biosyn.	b4390	<i>nadR</i>	plu0553_nadR	0.272	Translation	b4203	<i>rplI</i>	plu4570_rplI	0.

Amino Acid Biosyn.	BU399	<i>aroD</i>	BSG386_aroD	0.333	Cofactor Biosyn.	b1210	<i>hemA</i>	plu2069_hemA	0.321	Translation	b3168	<i>infB</i>	plu4529_infB	0.212
Amino Acid Biosyn.	BU051	<i>argH</i>	BSG048_argH	0.353	Cofactor Biosyn.	b1662	<i>ribE</i>	plu2610_ribE	0.328	Translation	b3936	<i>rpmE</i>	plu4758_rpmE	0.213
Amino Acid Biosyn.	BU312	<i>serC</i>	BSG302_serC	0.362	Cofactor Biosyn.	b3990	<i>thiH</i>	plu0481_thiH	0.351	Translation	b1718	<i>infC</i>	plu2668_infC	0.244
Amino Acid Biosyn.	BU229	<i>dapD</i>	BSG223_dapD	0.366	Cofactor Biosyn.	b2564	<i>pdxJ</i>	plu3337_pdxJ	0.352	Translation	b2330	<i>yfcB</i>	plu3190	0.258
Amino Acid Biosyn.	BU048	<i>argC</i>	BSG045_argC	0.369	Cofactor Biosyn.	b3805	<i>hemC</i>	plu4644_hemC	0.362	Translation	b2185	<i>rplY</i>	plu2869_rplY	0.280
Amino Acid Biosyn.	BU448	<i>asd</i>	BSG433_asd	0.375	Cofactor Biosyn.	b3991	<i>thiG</i>	plu0482_thiG	0.371	Translation	b0172	<i>frr</i>	plu0675_frr	0.300
Amino Acid Biosyn.	BU100	<i>hisD</i>	BSG093_hisD	0.388	Cofactor Biosyn.	b0774	<i>bioA</i>	plu1484_bioA	0.374	Translation	b2171	<i>yfiP</i>	plu2861	0.306
Amino Acid Biosyn.	BU101	<i>hisC</i>	BSG094_hisC	0.401	Cofactor Biosyn.	b1858	<i>yebM</i>	plu2114_znuC	0.380	Translation	b2609	<i>rpsP</i>	plu1257_rpsP	0.314
Amino Acid Biosyn.	BU280	<i>trpD</i>	BSG269_trpD	0.430	Cofactor Biosyn.	b0052	<i>pdxA</i>	plu0610_pdxA	0.391	Translation	b0170	<i>tsf</i>	plu0673_tsf	0.339
Amino Acid Biosyn.	BU102	<i>hisB</i>	BSG095_hisB	0.436	Cofactor Biosyn.	b3058	<i>ygiG</i>	plu3974_folB	0.394	Translation	b2597	<i>yfiA</i>	plu1266	0.453
Amino Acid Biosyn.	BU277	<i>trpA</i>	BSG266_trpA	0.442	Cofactor Biosyn.	b2777	<i>ygcF</i>	plu0701	0.395	Translation	b1212	<i>hemK</i>	plu2071_hemK	0.586
Amino Acid Biosyn.	BU106	<i>hisI</i>	BSG099_hisI	0.448	Cofactor Biosyn.	b3360	<i>pabA</i>	plu0393_pabA	0.397	Translation	b3848	<i>yigZ</i>	plu4400	0.637
Amino Acid Biosyn.	BU279	<i>trpC</i>	BSG268_trpC	0.456	Cofactor Biosyn.	b2436	<i>hemF</i>	plu1383_hemF	0.398	Translation	b3590	<i>selB</i>	plu4898_selB	0.686
Amino Acid Biosyn.	BU194	<i>thrA</i>	BSG188_thrA	0.491	Cofactor Biosyn.	b3639	<i>dfp</i>	plu4866_dfp	0.401	Transport	b3737	<i>atpE</i>	plu0045_atpE	0.000
Amino Acid Biosyn.	BU589	<i>dapF</i>	BSG568_dapF	0.492	Cofactor Biosyn.	b1270	<i>btuR</i>	plu2451_btuR	0.406	Transport	b3300	<i>prlA</i>	plu4706_secY	0.021
Amino Acid Biosyn.	BU146	<i>dapB</i>	BSG139_dapB	0.495	Cofactor Biosyn.	b0785	<i>moaE</i>	plu1507_moaE	0.414	Transport	b3732	<i>atpD</i>	plu0040_atpD	0.062
Amino Acid Biosyn.	BUpl07	<i>leuD</i>	BSGpL07	0.516	Cofactor Biosyn.	b1638	<i>pdxH</i>	plu2592_pdxH	0.415	Transport	b2287	<i>nuoB</i>	plu3088_nuoB	0.069
Amino Acid Biosyn.	BU054	<i>cysE</i>	BSG051_cysE	0.518	Cofactor Biosyn.	b3177	<i>folP</i>	plu4534_folP	0.427	Transport	b2279	<i>nuoK</i>	plu3080_nuoK	0.085
Amino Acid Biosyn.	BU493	<i>aroE</i>	BSG474_aroE	0.545	Cofactor Biosyn.	b0781	<i>moaA</i>	plu1499_moaA	0.430	Transport	b2415	<i>ptsH</i>	plu1394_ptsH	0.088
Amino Acid Biosyn.	BU103	<i>hisH</i>	BSG096_hisH	0.558	Cofactor Biosyn.	b0067	<i>yabK</i>	plu0618_thiP	0.432	Transport	b3734	<i>atpA</i>	plu0042_atpA	0.096
Amino Acid Biosyn.	BU104	<i>hisA</i>	BSG097_hisA	0.576	Cofactor Biosyn.	b0417	<i>thiL</i>	plu3896_thiL	0.434	Transport	b2417	<i>crr</i>	plu1392_crr	0.102
Cell Membrane & Peptidogl.	BU003	<i>atpE</i>	BSG003_atpE	0.053	Cofactor Biosyn.	b0134	<i>panB</i>	plu0872_panB	0.450	Transport	b2281	<i>nuoI</i>	plu3082_nuoI	0.106
Cell Membrane & Peptidogl.	BUpl02	<i>yqhA</i>	BSGpL02	0.064	Cofactor Biosyn.	b2103	<i>thiD</i>	plu2782_thiD	0.453	Transport	b1245	<i>oppC</i>	plu2491_oppC	0.113
Cell Membrane & Peptidogl.	BU382	<i>hflB</i>	BSG369_hflB	0.092	Cofactor Biosyn.	b0414	<i>ribD</i>	plu3899_ribD	0.455	Transport	b3414	<i>yhgI</i>	plu0198	0.117
Cell Membrane & Peptidogl.	BU326	<i>minD</i>	BSG317_minD	0.126	Cofactor Biosyn.	b4040	<i>ubiA</i>	plu4377_ubiA	0.462	Transport	b2284	<i>nuoF</i>	plu3085_nuoF	0.119
Cell Membrane & Peptidogl.	BU452	<i>yggB</i>	BSG437_yggB	0.166	Cofactor Biosyn.	b4364	<i>kdtB</i>	plu4856_coaD	0.467	Transport	b4291	<i>yjiK</i>	plu0555_yjiK	0.120
Cell Membrane & Peptidogl.	BU323	<i>yoeE</i>	BSG314_yoeE	0.168	Cofactor Biosyn.	b1120	<i>cobB</i>	plu2811_cobB	0.468	Transport	b3733	<i>atpG</i>	plu0041_atpG	0.123
Cell Membrane & Peptidogl.	BU163	<i>nuoK</i>	BSG156_nuoK	0.170	Cofactor Biosyn.	b0826	<i>moeB</i>	plu1539_moeB	0.468	Transport	b0098	<i>secA</i>	plu3645_secA	0.123
Cell Membrane & Peptidogl.	BU471	<i>cyoB</i>	BSG455_cyoB	0.203	Cofactor Biosyn.	b0173	<i>yaeM</i>	plu0676_dxr	0.472	Transport	b1244	<i>oppB</i>	plu2492_oppB	0.126
Cell Membrane & Peptidogl.	BU356	<i>ptsG</i>	BSG344_ptsG	0.205	Cofactor Biosyn.	b0025	<i>ribF</i>	plu0590_ribF	0.477	Transport	b3725	<i>pstB</i>	plu0217_pstB	0.127
Cell Membrane & Peptidogl.	BU273	<i>cls</i>	BSG262_cls	0.227	Cofactor Biosyn.	b2320	<i>pdxB</i>	plu3175_pdxB	0.485	Transport	b4032	<i>malG</i>	plu0460_malG	0.137
Cell Membrane & Peptidogl.	BU504	<i>secY</i>	BSG485_secY	0.232	Cofactor Biosyn.	b0068	<i>tbpA</i>	plu0619_tbpA	0.489	Transport	b3543	<i>dppB</i>	plu0301_dppB	0.139
Cell Membrane & Peptidogl.	BU321	<i>htpX</i>	BSG313_htpX	0.235	Cofactor Biosyn.	b0760	<i>modF</i>	plu1473_modF	0.489	Transport	b2610	<i>ffh</i>	plu1256_ffh	0.142
Cell Membrane & Peptidogl.	BU123	<i>ybl688</i>	BSG115_ydiK	0.264	Cofactor Biosyn.	b3973	<i>birA</i>	plu4732_birA	0.495	Transport	b1247	<i>oppF</i>	plu2489_oppF	0.146
Cell Membrane & Peptidogl.	BU007	<i>atpG</i>	BSG007_atpG	0.278	Cofactor Biosyn.	b0133	<i>panC</i>	plu0871_panC	0.501	Transport	b1602	<i>pntB</i>	plu2168_pntB	0.147
Cell Membrane & Peptidogl.	BU217	<i>ftsW</i>	BSG211_ftsW	0.285	Cofactor Biosyn.	b0931	<i>pncB</i>	plu1754_pncB	0.503	Transport	b0820	<i>ybiT</i>	plu0218_phoU	0.152
Cell Membrane & Peptidogl.	BU134	<i>yajC</i>	BSG126_yajC	0.298	Cofactor Biosyn.	b0421	<i>ispA</i>	plu3886_ispA	0.505	Transport	b3736	<i>atpF</i>	plu0044_atpF	0.153
Cell Membrane & Peptidogl.	BU587	<i>pitA</i>	BSG566_pitA	0.317	Cofactor Biosyn.	b0142	<i>folK</i>	plu0873_folK	0.510	Transport	b2286	<i>nuoC</i>	plu3087_nuoC	0.154
Cell Membrane & Peptidogl.	BU213	<i>ftsA</i>	BSG207_ftsA	0.323	Cofactor Biosyn.	b0761	<i>modE</i>	plu1474_modE	0.512	Transport	b2282	<i>nuoH</i>	plu3083_nuoH	0.160
Cell Membrane & Peptidogl.	BU162	<i>nuoJ</i>	BSG155_nuoJ	0.364	Cofactor Biosyn.	b0765	<i>modC</i>	plu1478_modC	0.513	Transport	b3541	<i>dppD</i>	plu0303_dppD	0.162
Cell Membrane & Peptidogl.	BU015	<i>yidC</i>	BSG016_yidC	0.367	Cofactor Biosyn.	b2264	<i>menD</i>	plu3073_menD	0.520	Transport	b3201	<i>yhbG</i>	plu4040_yhbG	0.164
Cell Membrane & Peptidogl.	BU160	<i>nuoH</i>	BSG153_nuoH	0.367	Cofactor Biosyn.	b1991	<i>cobT</i>	plu2980_cobT	0.524	Transport	b0198	<i>yaeE</i>	plu0696_metI	0.165
Cell Membrane & Peptidogl.	BU139	<i>yabI</i>	BSG132_yabI	0.370	Cofactor Biosyn.	b3802	<i>hemY</i>	plu4647_hemY	0.524	Transport	b3724	<i>phoU</i>	plu0218_phoU	0.166
Cell Membrane & Peptidogl.	BU281	<i>yedA</i>	BSG270_Y281	0.371	Cofactor Biosyn.	b0174	<i>yaeS</i>	plu0677_uppS	0.526	Transport	b0197	<i>yaeC</i>	plu0695_metQ	0.171
Cell Membrane & Peptidogl.	BU009	<i>atpC</i>	BSG009_atpC	0.379	Cofactor Biosyn.	b1208	<i>ychB</i>	plu2067_ispE	0.529	Transport	b3528	<i>dctA</i>	plu3205_dctA	0.171
Cell Membrane & Peptidogl.	BU535	<i>yhfC</i>	BSG516_yhfC	0.391	Cofactor Biosyn.	b0784	<i>moaD</i>	plu1501_moaD	0.540	Transport	b3542	<i>dppC</i>	plu0302_dppC	0.178
Cell Membrane & Peptidogl.	BU154	<i>nuoA</i>	BSG147_nuoA	0.391	Cofactor Biosyn.	b2895	<i>fldB</i>	plu3553_fldB	0.547	Transport	b3463	<i>ftsE</i>	plu4103_ftsE	0.178
Cell Membrane & Peptidogl.	BU275	<i>yciB</i>	BSG264_yspZ	0.392	Cofactor Biosyn.	b3591	<i>selA</i>	plu4897_selA	0.553	Transport	b0407	<i>yajC</i>	plu3903_yajC	0.181
Cell Membrane & Peptidogl.	BU222	<i>ftsI</i>	BSG216_ftsI	0.440	Cofactor Biosyn.	b0827	<i>moeA</i>	plu1540_moeA	0.557	Transport	b3726	<i>pstA</i>	plu0216_pstA	0.182
Cell Membrane & Peptidogl.	BU218	<i>murD</i>	BSG212_murD	0.441	Cofactor Biosyn.	b2261	<i>menC</i>	plu3070_menC	0.559	Transport	b3816	<i>corA</i>	plu4635_corA	0.183
Cell Membrane & Peptidogl.	BU216	<i>murG</i>	BSG210_murG	0.458	Cofactor Biosyn.	b0778	<i>bioD</i>	plu1488_bioD	0.573	Transport	b3731	<i>atpC</i>	plu0039_atpC	0.185
Cell Membrane & Peptidogl.	BU470	<i>cyoC</i>	BSG454_cyoC	0.459	Cofactor Biosyn.	b3412	<i>bioH</i>	plu0204_bioH	0.587	Transport	b4291	<i>fecA</i>	plu4446_fecA	0.187
Cell Membrane & Peptidogl.	BU045	<i>murB</i>	BSG042_murB	0.470	Cofactor Biosyn.	b3993	<i>thiE</i>	plu0485_thiE	0.590	Transport	b4035	<i>malK</i>	plu0457_malK	0.191
Cell Membrane & Peptidogl.	BU472	<i>cyoA</i>	BSG456_cyoA	0.487	Cofactor Biosyn.	b0109	<i>nadC</i>	plu3637_nadC	0.595	Transport	b3727	<i>pstC</i>	plu0215_pstC	0.195
Cell Membrane & Peptidogl.	BU317	<i>znuB</i>	BSG307_znuB	0.487	Cofactor Biosyn.	b2907	<i>ubiH</i>	plu3600_ubiH	0.603	Transport	b4138	<i>dcaA</i>	plu4138_dcaA	0.200
Cell Membrane & Peptidogl.	BU572	<i>mtlA</i>	BSG552_mtlA	0.514	Cofactor Biosyn.	b2747	<i>ygbP</i>	plu0713_ispD	0.617	Transport	b3849	<i>trkH</i>	plu4399_trkH	0.208
Cell Membrane & Peptidogl.	BU359	<i>ompF</i>	BSG347_ompF	0.517	Cofactor Biosyn.	b3930	<i>menA</i>	plu4764_menA	0.624	Transport	b1818	<i>manY</i>	plu2698_manY	0.209
Cell Membrane & Peptidogl.	BU421	<i>ygbQ</i>	BSG406_ygbQ	0.522	Cofactor Biosyn.	b1812	<i>pabB</i>	plu2694_pabB	0.625	Transport	b0914	<i>msbA</i>	plu1630_msbA	0.209
Cell Membrane & Peptidogl.	BU458	<i>mltA</i>	BSG442_mltA	0.524	Cofactor Biosyn.	b0066	<i>yabJ</i>	plu0617_thiQ	0.633	Transport	b3290	<i>trkA</i>	plu4698_trkA	0.210
Cell Membrane & Peptidogl.	BU332	<i>ompA</i>	BSG320_ompA	0.577	Cofactor Biosyn.	b0776	<i>bioF</i>	plu1486_bioF	0.635	Transport	b1603	<i>pntA</i>	plu2167_pntA	0.214
Cell Membrane & Peptidogl.	BU259	<i>lepB</i>	BSG250_lepB	0.595	Cofactor Biosyn.	b3856	<i>mobB</i>	plu0378_mobB	0.651	Transport	b0431	<i>cyoB</i>	plu3786_cyoB	0.217
Cell Membrane & Peptidogl.	BU333	<i>mvnN</i>	BSG321_mvN	0.603	Cofactor Biosyn.	b3992	<i>thiF</i>	plu0484_thiF	0.661	Transport	b0660	<i>ybeZ</i>	plu1311	0.217
Cell Membrane & Peptidogl.	BU576	<i>amiB</i>	BSG555_amiB	0.622	Cofactor Biosyn.	b3742	<i>mioC</i>	plu0050_mioC	0.665	Transport	b3540	<i>dppF</i>	plu0304_dppF	0.219
Cell Membrane & Peptidogl.	BU004	<i>atpF</i>	BSG004_atpF	0.630	Cofactor Biosyn.	b1711	<i>btuC</i>	plu2662_btuC	0.668	Transport	b2424	<i>cysU</i>	plu1388_cysU	0.221
Cell Membrane & Peptidogl.	BU116	<i>ydG</i>	BSG108_ydG	0.633	Cofactor Biosyn.	b1992	<i>cobS</i>	plu2985_cobS	0.671	Transport	b3750	<i>rbsC</i>	plu0057_rbsC	0.227
Cell Membrane & Peptidogl.	BU554	<i>murI</i>	BSG536_murI	0.641	Cofactor Biosyn.	b0662	<i>yleB</i>	plu1313_ubiF	0.677	Transport	b0408	<i>secD</i>	plu3902_secD	0.229
Cell Membrane & Peptidogl.	BU062	<i>bacA</i>	BSG059_bacA	0.670	Cofactor Biosyn.	b0763	<i>modA</i>	plu1476_modA	0.680	Transport	b3641	<i>ttk</i>	plu4868_ttk	0.231

Cell Membrane & Peptidogl.	BU148	<i>lspA</i>	BSG141_lspA	0.672	Cofactor Biosyn.	b2315	<i>folC</i>	plu3170_folC	0.691	Transport	b1109	<i>ndh</i>	plu2821_ndh	0.232
Cell Membrane & Peptidogl.	BU402	<i>yfiO</i>	BSG389_yfiO	0.678	Cofactor Biosyn.	b0595	<i>entB</i>	plu2728_entB	0.694	Transport	b1516	<i>2put</i>	plu3146_lsrB	0.233
Cell Membrane & Peptidogl.	BU276	<i>yecC</i>	BSG265_yecC	0.700	Cofactor Biosyn.	b1302	<i>goaG</i>	plu2347_goaG	0.695	Transport	b0634	<i>mriB</i>	plu1296_rodA	0.233
Cell Membrane & Peptidogl.	BU380	<i>secG</i>	BSG367_secG	0.701	Cofactor Biosyn.	b3803	<i>hemX</i>	plu4646_hemX	0.733	Transport	b1291	<i>sapD</i>	plu2590_sapD	0.235
Cell Membrane & Peptidogl.	BU473	<i>bolA</i>	BSG457_bolA	0.701	Cofactor Biosyn.	b1993	<i>cobU</i>	plu2986_cobU	0.750	Transport	b1682	<i>yvhD</i>	plu2620_sufC	0.239
Cell Membrane & Peptidogl.	BU005	<i>atpH</i>	BSG005_atpH	0.749	Cofactor Biosyn.	b0475	<i>hemH</i>	plu3835_hemH	0.753	Transport	b1246	<i>oppD</i>	plu2490_oppD	0.245
Cell Membrane & Peptidogl.	BU469	<i>cyoD</i>	BSG453_cyoD	0.845	Cofactor Biosyn.	b3368	<i>cysG</i>	plu2965_cysG	0.790	Transport	b1859	<i>yebI</i>	plu2113_znuB	0.251
Cell Membrane & Peptidogl.	BU040	<i>secE</i>	BSG041_secE	0.908	Cofactor Biosyn.	b0594	<i>entE</i>	plu2729_entE	0.796	Transport	b2365	<i>dsdX</i>	plu1969_dsdX	0.254
Cell Membrane & Peptidogl.	BU237	<i>yaeT</i>	BSG231_yaeT	0.908	Cofactor Biosyn.	b2260	<i>menE</i>	plu3069_menE	0.812	Transport	b2277	<i>nuoM</i>	plu3078_nuoM	0.255
Cell Membrane & Peptidogl.	BU186	<i>smpA</i>	BSG180_smpA	1.275	Cofactor Biosyn.	b0596	<i>entA</i>	plu2727_entA	0.816	Transport	b0697	<i>kdpB</i>	plu1419_kdpB	0.257
Cell Processes	BU489	<i>cspE</i>	BSG473_cspE	0.000	Cofactor Biosyn.	b0759	<i>galE</i>	plu4831_galE	0.834	Transport	b4067	<i>yjcG</i>	plu0072	0.258
Cell Processes	BU404	<i>csrA</i>	BSG391_csrA	0.018	Cofactor Biosyn.	b0103	<i>yacE</i>	plu3641_coaE	0.841	Transport	b0089	<i>ftsW</i>	plu3655_fitsW	0.258
Cell Processes	BU021	<i>dnaC</i>	BSG022_dnaC	0.068	Cofactor Biosyn.	b3804	<i>hemD</i>	plu4645_hemD	0.856	Transport	b3544	<i>dppA</i>	plu0300_dppA	0.260
Cell Processes	BU212	<i>ftsZ</i>	BSG206_fitsZ	0.100	Cofactor Biosyn.	b0639	<i>ybeN</i>	plu1300_nadD	0.860	Transport	b0127	<i>yadG</i>	plu0868_yadG	0.261
Cell Processes	BU326	<i>minD</i>	BSG317_minD	0.126	Cofactor Biosyn.	b0425	<i>apbA</i>	plu3882_apbA	0.864	Transport	b3654	<i>yicE</i>	plu0247	0.261
Cell Processes	BU325	<i>minE</i>	BSG316_minE	0.129	Cofactor Biosyn.	b2265	<i>menF</i>	plu3074_menF	0.899	Transport	b0740	<i>toiB</i>	plu1455_toiB	0.262
Cell Processes	BU545	<i>ssb</i>	BSG527_ssb	0.166	Cofactor Biosyn.	b1768	<i>ydjB</i>	plu2555_pncA	0.915	Transport	b1290	<i>sapF</i>	plu2591_sapF	0.264
Cell Processes	BU475	<i>clpP</i>	BSG459_clpP	0.191	Cofactor Biosyn.	b3850	<i>hemG</i>	plu4398_hemG	0.978	Transport	b1819	<i>manZ</i>	plu2699_manZ	0.264
Cell Processes	BU273	<i>cls</i>	BSG262_cls	0.227	Cofactor Biosyn.	b1096	<i>pabC</i>	plu2830_pabC	1.060	Transport	b3194	<i>yrbE</i>	plu4033	0.265
Cell Processes	BU321	<i>htpX</i>	BSG313_htpX	0.235	Cofactor Biosyn.	b1593	<i>2orf</i>	plu2227	1.071	Transport	b3751	<i>rbsB</i>	plu0058_rbsB	0.266
Cell Processes	BU182	<i>ahpC</i>	BSG176_ahpC	0.264	Cofactor Biosyn.	b0777	<i>bioC</i>	plu1487_bioC	1.121	Transport	b2278	<i>nuoL</i>	plu3079_nuoL	0.276
Cell Processes	BU189	<i>sodA</i>	BSG183_sodA	0.269	Cofactor Biosyn.	b0638	<i>phpB</i>	plu2981_cobC	1.131	Transport	b3352	<i>yheS</i>	plu0420_yheS	0.276
Cell Processes	BU001	<i>gidA</i>	BSG001_gidA	0.282	Cofactor Biosyn.	b4039	<i>ubiC</i>	plu4378_ubiC	1.173	Transport	b3749	<i>rbsA</i>	plu0056_rbsA	0.276
Cell Processes	BU228	<i>htrA</i>	BSG222_htrA	0.283	Cofactor Biosyn.	b1385	<i>feaB</i>	plu4285_feaB	1.195	Transport	b3735	<i>atpH</i>	plu0043_atpH	0.276
Cell Processes	BU217	<i>ftsW</i>	BSG211_fitsW	0.285	Cofactor Biosyn.	b3857	<i>mobA</i>	plu0379_mobA	1.287	Transport	b0462	<i>acrB</i>	plu3852_acrB	0.277
Cell Processes	BU137	<i>nfo</i>	BSG130_nfo	0.309	Cofactor Biosyn.	b2214	<i>yojL</i>	plu1202_apbE	1.504	Transport	b3436	<i>gntU1</i>	plu0498_gntU	0.278
Cell Processes	BU213	<i>ftsA</i>	BSG207_fitsA	0.323	Cofactor Biosyn.	b0369	<i>hemB</i>	plu4407_hemB	1.577	Transport	b2832	<i>2put</i>	plu3679	0.281
Cell Processes	BU581	<i>fpr</i>	BSG560_fpr	0.337	Cofactor Biosyn.	b1709	<i>btuD</i>	plu2661_btuD	1.655	Transport	b3728	<i>pstS</i>	plu0214_pstS	0.281
Cell Processes	BU376	<i>rbfA</i>	BSG364_rbfA	0.369	Cofactor Biosyn.	b0586	<i>entF</i>	plu1878	2.305	Transport	b2416	<i>ptsl</i>	plu1393_ptsl	0.285
Cell Processes	BU275	<i>yecB</i>	BSG264_ispZ	0.392	Cofactor Biosyn.	b0583	<i>entD</i>	plu0992_ngrA	2.348	Transport	b3175	<i>secG</i>	plu4532_secG	0.289
Cell Processes	BU580	<i>ibpA</i>	BSG559_ibpA	0.403	Cofactor Biosyn.	b2889	<i>2put</i>	plu2987	2.442	Transport	b2393	<i>nupC</i>	plu1399_nupC	0.294
Cell Processes	BU383	<i>ftsJ</i>	BSG370_fitsJ	0.414	Fatty Acid Biosyn.	b3256	<i>accC</i>	plu4075_accC	0.102	Transport	b0409	<i>secF</i>	plu4301_secF	0.298
Cell Processes	BU327	<i>minC</i>	BSG318_minC	0.423	Fatty Acid Biosyn.	b2240	<i>glpT</i>	plu4119_glpT	0.143	Transport	b3195	<i>yrbF</i>	plu3904	0.299
Cell Processes	BU222	<i>ftsI</i>	BSG216_fitsI	0.440	Fatty Acid Biosyn.	b0185	<i>accA</i>	plu0688_accA	0.152	Transport	b0199	<i>abc</i>	plu0697_metN	0.299
Cell Processes	BU119	<i>nth</i>	BSG111_nth	0.446	Fatty Acid Biosyn.	b3963	<i>yijC</i>	plu4738	0.164	Transport	b2075	<i>yegN</i>	plu2775	0.302
Cell Processes	BU365	<i>yceA</i>	BSG353_yceA	0.449	Fatty Acid Biosyn.	b1288	<i>fabI</i>	plu2592_fabI	0.180	Transport	b3496	<i>yhiP</i>	plu0973	0.303
Cell Processes	BU223	<i>ftsL</i>	BSG217_fitsL	0.488	Fatty Acid Biosyn.	b0954	<i>fabA</i>	plu1772_fabA	0.188	Transport	b3839	<i>yigU</i>	plu4408_tatC	0.303
Cell Processes	BU421	<i>ygbQ</i>	BSG406_ygbQ	0.522	Fatty Acid Biosyn.	b1095	<i>fabF</i>	plu2831_fabF	0.190	Transport	b3917	<i>shp</i>	plu4773_shp	0.306
Cell Processes	BU458	<i>mltA</i>	BSG442_mltA	0.524	Fatty Acid Biosyn.	b0180	<i>fabZ</i>	plu0683_fabZ	0.233	Transport	b1729	<i>2par</i>	plu2680	0.308
Cell Processes	BU141	<i>ksgA</i>	BSG134_kA	0.545	Fatty Acid Biosyn.	b2316	<i>accD</i>	plu3171_accD	0.248	Transport	b1514	<i>ydeY</i>	plu3144_lsrC	0.310
Cell Processes	BU432	<i>yihA</i>	BSG417_yihA	0.554	Fatty Acid Biosyn.	b2323	<i>fabB</i>	plu3184_fabB	0.253	Transport	b0128	<i>yadH</i>	plu0869_yadH	0.310
Cell Processes	BU333	<i>mviN</i>	BSG321_mviN	0.603	Fatty Acid Biosyn.	b4041	<i>plsB</i>	plu4376_plsB	0.331	Transport	b1515	<i>ydeZ</i>	plu3145_lsrD	0.311
Cell Processes	BU576	<i>amiB</i>	BSG555_amiB	0.622	Fatty Acid Biosyn.	b1092	<i>fabD</i>	plu2834_fabD	0.345	Transport	b2276	<i>nuoN</i>	plu3077_nuoN	0.313
Cell Processes	BU062	<i>bacA</i>	BSG059_bacA	0.670	Fatty Acid Biosyn.	b2563	<i>acpS</i>	plu3336_acpS	0.371	Transport	b3981	<i>secE</i>	plu0433_secE	0.318
Cell Processes	BU473	<i>bolA</i>	BSG457_bolA	0.701	Fatty Acid Biosyn.	b1091	<i>fabH</i>	plu2835_fabH	0.381	Transport	b1293	<i>sapB</i>	plu2588_sapB	0.320
Cell Processes	BU257	<i>era</i>	BSG248_era	0.831	Fatty Acid Biosyn.	b1093	<i>fabG</i>	plu2833_fabG	0.393	Transport	b2285	<i>nuoE</i>	plu3086_nuoE	0.323
Chaperonins	BU019	<i>mopA</i>	BSG019_mopA	0.030	Fatty Acid Biosyn.	b3081	<i>yglL</i>	plu3990_fadH	0.476	Transport	b2686	<i>emrB</i>	plu1275_emrB	0.327
Chaperonins	BU578	<i>hslV</i>	BSG557_hslV	0.079	Fatty Acid Biosyn.	b3927	<i>glpF</i>	plu4767_glpF	0.488	Transport	b3204	<i>ptsN</i>	plu4043_ptsN	0.327
Chaperonins	BU018	<i>mopB</i>	BSG018_mopB	0.094	Fatty Acid Biosyn.	b3018	<i>plsC</i>	plu3948_plsC	0.514	Transport	b2283	<i>nuoG</i>	plu3084_nuoG	0.330
Chaperonins	BU198	<i>dksA</i>	BSG192_dksA	0.158	Fatty Acid Biosyn.	b4042	<i>dgkA</i>	plu4375_dgkA	0.647	Transport	b2076	<i>yegO</i>	plu2776	0.330
Chaperonins	BU152	<i>dnaJ</i>	BSG145_dnaJ	0.171	Info. Transfer	b3295	<i>rpoA</i>	plu4702_rpoA	0.009	Transport	b0792	<i>ybhR</i>	plu1506_ybhR	0.334
Chaperonins	BU483	<i>htpG</i>	BSG468_htpG	0.240	Info. Transfer	b3261	<i>fis</i>	plu4089_fis	0.010	Transport	b3705	<i>yidC</i>	plu4906	0.338
Chaperonins	BU002	<i>atpB</i>	BSG002_atpB	0.247	Info. Transfer	b3357	<i>crp</i>	plu0395_crp	0.020	Transport	b3192	<i>yrbC</i>	plu4031	0.339
Chaperonins	BU230	<i>map</i>	BSG224_map	0.289	Info. Transfer	b3783	<i>rho</i>	plu4663_rho	0.027	Transport	b0875	<i>aqpZ</i>	plu2033_aqpZ	0.341
Chaperonins	BU053	<i>secB</i>	BSG050_secB	0.516	Info. Transfer	b3987	<i>rpoB</i>	plu0439_rpoB	0.047	Transport	b2280	<i>nuoJ</i>	plu3081_nuoJ	0.342
Chaperonins	BU533	<i>fkpA</i>	BSG514_fkpA	0.545	Info. Transfer	b3982	<i>nusG</i>	plu0434_nusG	0.058	Transport	b0949	<i>uup</i>	plu1765_uup	0.346
Chaperonins	BU248	<i>dnaQ</i>	BSG240_dnaQ	0.609	Info. Transfer	b3560	<i>glyQ</i>	plu0293_glyQ	0.066	Transport	b2167	<i>fruA</i>	plu1993_fruA	0.346
Chaperonins	BU346	<i>flgK</i>	BSG334_flgK	0.798	Info. Transfer	b4401	<i>arcA</i>	plu0562_arcA	0.080	Transport	b0495	<i>ybbA</i>	plu3817_ybbA	0.348
Chaperonins	BU430	<i>dsbA</i>	BSG415_dsbA	0.798	Info. Transfer	b3067	<i>rpoD</i>	plu3979_rpoD	0.084	Transport	b1117	<i>ycjV</i>	plu2813_loiD	0.348
Chaperonins	BU474	<i>tig</i>	BSG458_tig	0.855	Info. Transfer	b3988	<i>rpoC</i>	plu0440_rpoC	0.087	Transport	b1817	<i>manX</i>	plu2697_manX	0.351
Chaperonins	BU604	<i>hscB</i>	BSG579_hscB	0.911	Info. Transfer	b1712	<i>himA</i>	plu2663_ihfA	0.098	Transport	b1890	<i>motA</i>	plu1849_motA	0.353
Chaperonins	BU478	<i>ppiD</i>	BSG462_ppiD	0.962	Info. Transfer	b3702	<i>dnaA</i>	plu0001_dnaA	0.102	Transport	b3464	<i>ftsY</i>	plu4104_fitsY	0.356
Chaperonins	BU335	<i>flgN</i>	BSG323_flgN	1.232	Info. Transfer	b2530	<i>yfhO</i>	plu3283_iscS	0.106	Transport	b4289	<i>fecC</i>	plu4448_fecC	0.359
Chaperonins	BU140	<i>surA</i>	BSG133_surA	1.300	Info. Transfer	b0623	<i>cspE</i>	plu1289_cspE	0.110	Transport	b3795	<i>yijK</i>	plu4650_yijK	0.363
Cofactor Biosyn.	BU271	<i>ribA</i>	BSG261_ribA	0.195	Info. Transfer	b1334	<i>fnr</i>	plu2179_fnr	0.114	Transport	b3409	<i>feoB</i>	plu0208_feoB	0.366
Cofactor Biosyn.	BU298	<i>gapA</i>	BSG287_gapA	0.207	Info. Transfer	b2567	<i>rnc</i>	plu3340_rnc	0.120	Transport	b0430	<i>cyoC</i>	plu3877_cyoC	0.368
Cofactor Biosyn.	BU059	<i>ribB</i>	BSG056_ribB	0.212	Info. Transfer	b2529	<i>2orf</i>	plu3282_nifU	0.124	Transport	b4240	<i>treB</i>	plu3288_treB	0.368

Cofactor Biosyn.	BU289	<i>glyA</i>	BSG278_glyA	0.237	Info. Transfer	b0912	<i>himD</i>	plu1623_ihfB	0.126	Transport	b2288	<i>nuoA</i>	plu3089_nuoA	0.371
Cofactor Biosyn.	BU583	<i>kdtB</i>	BSG562_kdtB	0.243	Info. Transfer	b3649	<i>rpoZ</i>	plu0273_rpoZ	0.126	Transport	b0484	<i>ybaR</i>	plu3824_copA	0.374
Cofactor Biosyn.	BU459	<i>ribH</i>	BSG443_ribH	0.263	Info. Transfer	b4058	<i>uvrA</i>	plu4350_uvrA	0.127	Transport	b1116	<i>ycjU</i>	plu2814_loiC	0.374
Cofactor Biosyn.	BU361	<i>pncB</i>	BSG349_pncB	0.273	Info. Transfer	b3030	<i>parE</i>	plu3950_parE	0.130	Transport	b0449	<i>mdlB</i>	plu3858_mdlB	0.375
Cofactor Biosyn.	BU291	<i>bioB</i>	BSG280_bioB	0.288	Info. Transfer	b2573	<i>rpoE</i>	plu3346_rpoE	0.139	Transport	b0433	<i>malF</i>	plu0459_malF	0.379
Cofactor Biosyn.	BU464	<i>dxs</i>	BSG448_dxs	0.292	Info. Transfer	b3912	<i>cpvX</i>	plu4794_cpvX	0.139	Transport	b0478	<i>ybaL</i>	plu3830	0.380
Cofactor Biosyn.	BU269	<i>lipA</i>	BSG259_lipA	0.309	Info. Transfer	b0406	<i>tgt</i>	plu3904_tgt	0.141	Transport	b1065	<i>ybcL</i>	plu2089	0.381
Cofactor Biosyn.	BU185	<i>yfjB</i>	BSG179_yfjB	0.313	Info. Transfer	b0472	<i>recR</i>	plu3839_recR	0.143	Transport	b4234	<i>yjgA</i>	plu4061	0.384
Cofactor Biosyn.	BU419	<i>ygbB</i>	BSG404_ygbB	0.346	Info. Transfer	b2699	<i>recA</i>	plu1249_recA	0.145	Transport	b0786	<i>ybhL</i>	plu1503	0.392
Cofactor Biosyn.	BU460	<i>thiL</i>	BSG444_thiL	0.354	Info. Transfer	b2607	<i>trmD</i>	plu1259_trmD	0.146	Transport	b2292	<i>yfjS</i>	plu3093	0.393
Cofactor Biosyn.	BU287	<i>gcpE</i>	BSG276_gcpE	0.368	Info. Transfer	b2916	<i>iciA</i>	plu3610_iciA	0.147	Transport	b2142	<i>yohK</i>	plu1548	0.394
Cofactor Biosyn.	BU547	<i>gshB</i>	BSG529_gshB	0.379	Info. Transfer	b3169	<i>nusA</i>	plu4530_nusA	0.153	Transport	b3408	<i>feoA</i>	plu0209_feoA	0.396
Cofactor Biosyn.	BU486	<i>folD</i>	BSG470_folD	0.384	Info. Transfer	b3813	<i>uvrD</i>	plu4636_uvrD	0.155	Transport	b1605	<i>2put</i>	plu2162	0.398
Cofactor Biosyn.	BU197	<i>panB</i>	BSG191_panB	0.388	Info. Transfer	b3287	<i>def</i>	plu4695_def	0.156	Transport	b1292	<i>sapC</i>	plu2589_sapC	0.399
Cofactor Biosyn.	BU235	<i>dxr</i>	BSG229_dxr	0.394	Info. Transfer	b2808	<i>gcvA</i>	plu0652_gcvA	0.157	Transport	b2422	<i>cysA</i>	plu1390_cysA	0.402
Cofactor Biosyn.	BU147	<i>lytB</i>	BSG140_lytB	0.404	Info. Transfer	b4043	<i>lexA</i>	plu4374_lexA	0.157	Transport	b0794	<i>ybhF</i>	plu1508_ybhF	0.403
Cofactor Biosyn.	BU143	<i>folA</i>	BSG136_folA	0.438	Info. Transfer	b1633	<i>nth</i>	plu2383_nth	0.158	Transport	b0479	<i>fsr</i>	plu3829_fsr	0.408
Cofactor Biosyn.	BU174	<i>nadE</i>	BSG168_nadE	0.472	Info. Transfer	b2554	<i>yfhA</i>	plu3311	0.159	Transport	b3754	<i>yieO</i>	plu0061	0.408
Cofactor Biosyn.	BU407	<i>gshA</i>	BSG392_gshA	0.484	Info. Transfer	b3701	<i>dnaN</i>	plu0002_dnaN	0.160	Transport	b0793	<i>ybhS</i>	plu1507_ybhS	0.411
Cofactor Biosyn.	BU462	<i>ribD2</i>	BSG446_ribD2	0.506	Info. Transfer	b3247	<i>cafA</i>	plu4067_cafA	0.160	Transport	b0448	<i>mdlA</i>	plu3859_mdlA	0.417
Cofactor Biosyn.	BU420	<i>ygbP</i>	BSG405_ygbP	0.513	Info. Transfer	b0184	<i>dnaE</i>	plu0687_dnaE	0.161	Transport	b3493	<i>pitA</i>	plu0119_pitA	0.420
Cofactor Biosyn.	BU236	<i>uppS</i>	BSG230_uvpS	0.514	Info. Transfer	b0661	<i>yleA</i>	plu1312_miaB	0.161	Transport	b4290	<i>fecB</i>	plu4447_fecB	0.422
Cofactor Biosyn.	BU268	<i>lipB</i>	BSG258_lipB	0.543	Info. Transfer	b3105	<i>yhaJ</i>	plu3998	0.163	Transport	b4148	<i>sugE</i>	plu4129_sugE	0.427
Cofactor Biosyn.	BU203	<i>yacE</i>	BSG197_yacE	0.555	Info. Transfer	b2533	<i>subB</i>	plu3286_subB	0.166	Transport	b1186	<i>nhaB</i>	plu2563_nhaB	0.429
Cofactor Biosyn.	BU170	<i>ychB</i>	BSG164_ipk	0.573	Info. Transfer	b4162	<i>yjeR</i>	plu4595_orn	0.167	Transport	b1118	<i>ycjW</i>	plu2812_loiE	0.430
Cofactor Biosyn.	BU446	<i>ybeN</i>	BSG431_ybeN	0.573	Info. Transfer	b4260	<i>pepA</i>	plu4481_pepA	0.170	Transport	b2144	<i>sanA</i>	plu1545_sanA	0.430
Cofactor Biosyn.	BU465	<i>ispA</i>	BSG449_ispA	0.575	Info. Transfer	b4180	<i>yjfh</i>	plu4574	0.173	Transport	b0451	<i>amtB</i>	plu3856_amtB	0.432
Cofactor Biosyn.	BU150	<i>ribF</i>	BSG143_ribF	0.577	Info. Transfer	b3164	<i>pnp</i>	plu4525_pnp	0.174	Transport	b1336	<i>ydaH</i>	plu3724_abgT	0.433
Cofactor Biosyn.	BU112	<i>ribE</i>	BSG104_ribE	0.580	Info. Transfer	b4000	<i>hupA</i>	plu0492_dbhA	0.174	Transport	b3836	<i>zorF</i>	plu4410_tatA	0.435
Cofactor Biosyn.	BU196	<i>panC</i>	BSG190_panC	0.599	Info. Transfer	b3181	<i>greA</i>	plu4538_greA	0.175	Transport	b2014	<i>yeeF</i>	plu2849	0.438
Cofactor Biosyn.	BU167	<i>folC</i>	BSG161_folC	0.695	Info. Transfer	b1719	<i>thrS</i>	plu2669_thrS	0.176	Transport	b3206	<i>ptsO</i>	plu4045_ptsO	0.439
Cofactor Biosyn.	BU468	<i>cyoE</i>	BSG452_cyoE	0.705	Info. Transfer	b3643	<i>rph</i>	plu4870_rph	0.178	Transport	b4036	<i>lamB</i>	plu0456_lamB	0.440
Fatty Acid Biosyn.	BU351	<i>fabG</i>	BSG339_fabG	0.381	Info. Transfer	b0930	<i>asnS</i>	plu1753_asnS	0.179	Transport	b0463	<i>acrA</i>	plu3851_acrA	0.441
Fatty Acid Biosyn.	BU092	<i>fabB</i>	BSG084_fabB	0.386	Info. Transfer	b3162	<i>deaD</i>	plu4523_deaD	0.181	Transport	b0904	<i>foeA</i>	plu1614_foeA	0.443
Fatty Acid Biosyn.	BU256	<i>acpS</i>	BSG247_acpS	0.550	Info. Transfer	b3706	<i>thdF</i>	plu4905_thdF	0.181	Transport	b1206	<i>yehM</i>	plu2074	0.443
Fatty Acid Biosyn.	BU265	<i>fabI</i>	BSG255_fabI	0.592	Info. Transfer	b4052	<i>dnaB</i>	plu4359_dnaB	0.182	Transport	b0027	<i>lspA</i>	plu0592_lspA	0.445
Fatty Acid Biosyn.	BU306	<i>glpF</i>	BSG296_glpF	0.775	Info. Transfer	b0902	<i>pflA</i>	plu1612_pflA	0.184	Transport	b2425	<i>cysP</i>	plu1387_cysP	0.445
Info. Transfer	BU489	<i>cspE</i>	BSG473_cspE	0.000	Info. Transfer	b0779	<i>sapA</i>	plu1491_sapA	0.185	Transport	b1294	<i>sapA</i>	plu2587_sapA	0.445
Info. Transfer	BU596	<i>rho</i>	BSG572_rho	0.007	Info. Transfer	b1714	<i>pheS</i>	plu2665_pheS	0.186	Transport	b4065	<i>yjcE</i>	plu4422	0.446
Info. Transfer	BU404	<i>csrA</i>	BSG391_csrA	0.018	Info. Transfer	b0680	<i>glnS</i>	plu1319_glnS	0.186	Transport	b4287	<i>fecE</i>	plu4450_fecE	0.453
Info. Transfer	BU546	<i>dnaB</i>	BSG528_dnaB	0.054	Info. Transfer	b0080	<i>fruR</i>	plu3664_fruR	0.186	Transport	b0698	<i>kdpA</i>	plu1420_kdpA	0.458
Info. Transfer	BU021	<i>dnaC</i>	BSG022_dnaC	0.068	Info. Transfer	b1637	<i>tyrS</i>	plu2596_tyrS	0.187	Transport	b3193	<i>yrbD</i>	plu4032	0.460
Info. Transfer	BU258	<i>rnc</i>	BSG249_rnc	0.080	Info. Transfer	b3699	<i>gyrB</i>	plu0004_gyrB	0.188	Transport	b0433	<i>ampG</i>	plu3873_ampG	0.467
Info. Transfer	BU039	<i>nusG</i>	BSG040_nusG	0.090	Info. Transfer	b3461	<i>rpoH</i>	plu4101_rpoH	0.190	Transport	b1329	<i>2put</i>	plu2578_mppA	0.470
Info. Transfer	BU603	<i>iscU</i>	BSG578_iscU	0.104	Info. Transfer	b0460	<i>hha</i>	plu3853_hha	0.191	Transport	b2493	<i>perM</i>	plu2749_perM	0.472
Info. Transfer	BU034	<i>rpoB</i>	BSG035_rpoB	0.106	Info. Transfer	b1103	<i>ycjF</i>	plu2825	0.191	Transport	b1599	<i>2pos</i>	plu2124	0.481
Info. Transfer	BU499	<i>rpoA</i>	BSG480_rpoA	0.120	Info. Transfer	b1863	<i>ruvC</i>	plu2110_ruvC	0.193	Transport	b3005	<i>exbD</i>	plu3940_exbD	0.485
Info. Transfer	BU055	<i>rpoD</i>	BSG052_rpoD	0.127	Info. Transfer	b3406	<i>greB</i>	plu0211_greB	0.193	Transport	b3156	<i>yhbS</i>	plu4504	0.493
Info. Transfer	BU372	<i>deaD</i>	BSG360_deaD	0.142	Info. Transfer	b1133	<i>ycjB</i>	plu2804_trmU	0.196	Transport	b0751	<i>pnuC</i>	plu1469_pnuC	0.499
Info. Transfer	BU373	<i>pnp</i>	BSG361_pnp	0.150	Info. Transfer	b2231	<i>gyrA</i>	plu3050_gyrA	0.203	Transport	b2835	<i>yegD</i>	plu1247	0.500
Info. Transfer	BU188	<i>rnt</i>	BSG182_rnt	0.157	Info. Transfer	b3244	<i>tdlD</i>	plu4064_tdlD	0.205	Transport	b4261	<i>yjgP</i>	plu4480	0.504
Info. Transfer	BU463	<i>nusB</i>	BSG447_nusB	0.165	Info. Transfer	b0683	<i>fur</i>	plu1327_fur	0.206	Transport	b2344	<i>fadL</i>	plu3202_fadL	0.507
Info. Transfer	BU545	<i>ssb</i>	BSG527_ssb	0.166	Info. Transfer	b0893	<i>serS</i>	plu1604_serS	0.208	Transport	b3462	<i>ftsX</i>	plu4102_ftsX	0.522
Info. Transfer	BU378	<i>nusA</i>	BSG366_nusA	0.170	Info. Transfer	b2741	<i>rpoS</i>	plu0719_rpoS	0.209	Transport	b1663	<i>ydhE</i>	plu2611_norM	0.522
Info. Transfer	BU602	<i>yfhO</i>	BSG577_yfhO	0.172	Info. Transfer	b2531	<i>zorF</i>	plu3284	0.209	Transport	b4288	<i>fecD</i>	plu4449_fecD	0.531
Info. Transfer	BU180	<i>gyrA</i>	BSG174_gyrA	0.197	Info. Transfer	b3704	<i>rnpA</i>	plu4908_rnpA	0.212	Transport	b2829	<i>ptsP</i>	plu0621_ptsP	0.532
Info. Transfer	BU356	<i>ptsG</i>	BSG344_ptsG	0.205	Info. Transfer	b2114	<i>metG</i>	plu1554_metG	0.213	Transport	b0879	<i>ybjZ</i>	plu1591_macB	0.544
Info. Transfer	BU012	<i>dnaA</i>	BSG012_dnaA	0.206	Info. Transfer	b4059	<i>ssb</i>	plu4349_ssb	0.215	Transport	b0427	<i>yajR</i>	plu3880	0.553
Info. Transfer	BU136	<i>glyQ</i>	BSG128_glyQ	0.239	Info. Transfer	b1882	<i>cheY</i>	plu1857_cheY	0.215	Transport	b2536	<i>hcaT</i>	plu3290_hcaT	0.555
Info. Transfer	BU384	<i>greA</i>	BSG371_greA	0.244	Info. Transfer	b2890	<i>lysS</i>	plu3548_lysS	0.216	Transport	b3006	<i>exbB</i>	plu3941_exbB	0.555
Info. Transfer	BU441	<i>yleA</i>	BSG426_yleA	0.257	Info. Transfer	b0399	<i>phoB</i>	plu3911_phoB	0.217	Transport	b0886	<i>cydC</i>	plu1597_cydC	0.560
Info. Transfer	BU010	<i>gyrB</i>	BSG010_gyrB	0.270	Info. Transfer	b1274	<i>topA</i>	plu2435_topA	0.218	Transport	b2682	<i>zorF</i>	plu1279	0.570
Info. Transfer	BU133	<i>tgt</i>	BSG125_tgt	0.296	Info. Transfer	b0194	<i>proS</i>	plu0692_proS	0.219	Transport	b3150	<i>yraP</i>	plu4005	0.575
Info. Transfer	BU266	<i>rnb</i>	BSG256_rnb	0.297	Info. Transfer	b4258	<i>valS</i>	plu4483_valS	0.220	Transport	b1513	<i>2put</i>	plu3143_lsrA	0.577
Info. Transfer	BU137	<i>nfo</i>	BSG130_nfo	0.309	Info. Transfer	b1860	<i>ruvB</i>	plu2112_ruvB	0.221	Transport	b0813	<i>ybiF</i>	plu1535	0.591
Info. Transfer	BU565	<i>vacB</i>	BSG545_vacB	0.336	Info. Transfer	b3405	<i>ompR</i>	plu0212_ompR	0.226	Transport	b0432	<i>cyoA</i>	plu3875_cyoA	0.594
Info. Transfer	BU056	<i>dnaG</i>	BSG053_dnaG	0.352	Info. Transfer	b4235	<i>pmbA</i>	plu4060_pmbA	0.227	Transport	b2169	<i>fruB</i>	plu1992_fruB	0.595

Info. Transfer	BU313	<i>serS</i>	BSG303_serS	0.355	Info. Transfer	b1876	<i>argS</i>	plu2092_argS	0.227	Transport	b0960	<i>2orf</i>	plu1778	0.600
Info. Transfer	BU261	<i>trmU</i>	BSG252_trmU	0.363	Info. Transfer	b3961	<i>oxyR</i>	plu4740_oxyR	0.230	Transport	b2685	<i>emrA</i>	plu1276_emrA	0.603
Info. Transfer	BU376	<i>rbfA</i>	BSG364_rbfA	0.369	Info. Transfer	b3641	<i>ttk</i>	plu4868_ttk	0.231	Transport	b0887	<i>cydD</i>	plu1598_cydD	0.606
Info. Transfer	BU396	<i>trmD</i>	BSG383_trmD	0.382	Info. Transfer	b0405	<i>queA</i>	plu3905_queA	0.235	Transport	b2429	<i>2put</i>	plu0402	0.614
Info. Transfer	BU598	<i>rep</i>	BSG574_rep	0.393	Info. Transfer	b2954	<i>gygV</i>	plu1177	0.236	Transport	b0890	<i>ftsK</i>	plu1601_ftsK	0.614
Info. Transfer	BU121	<i>tyrS</i>	BSG113_tyrS	0.394	Info. Transfer	b2496	<i>2put</i>	plu2752	0.237	Transport	b4159	<i>yjeP</i>	plu4598	0.617
Info. Transfer	BU238	<i>dnaE</i>	BSG233_dnaE	0.401	Info. Transfer	b2594	<i>shfB</i>	plu3769	0.237	Transport	b346B	<i>zntA</i>	plu4108_zntA	0.636
Info. Transfer	BU496	<i>def</i>	BSG477_def	0.408	Info. Transfer	b0526	<i>cysS</i>	plu3804_cysS	0.240	Transport	b1600	<i>2pos</i>	plu2123	0.639
Info. Transfer	BU242	<i>argS</i>	BSG237_argS	0.410	Info. Transfer	b3559	<i>glyS</i>	plu0294_glyS	0.240	Transport	b3748	<i>rbsD</i>	plu0055_rbsD	0.648
Info. Transfer	BU574	<i>orn</i>	BSG554_orn	0.414	Info. Transfer	b0051	<i>ksgA</i>	plu0609_ksgA	0.242	Transport	b2182	<i>bcr</i>	plu2866_bcr	0.667
Info. Transfer	BU536	<i>trpS</i>	BSG517_trpS	0.416	Info. Transfer	b0440	<i>hupB</i>	plu3866_hupB	0.242	Transport	b1596	<i>ynfM</i>	plu2224	0.672
Info. Transfer	BU129	<i>pheS</i>	BSG121_pheS	0.419	Info. Transfer	b0880	<i>csuD</i>	plu1592_csuD	0.242	Transport	b3966	<i>btuB</i>	plu4735_btuB	0.672
Info. Transfer	BU132	<i>queA</i>	BSG124_queA	0.426	Info. Transfer	b3778	<i>rep</i>	plu4667_rep	0.244	Transport	b3819	<i>rarD</i>	plu4632_rarD	0.678
Info. Transfer	BU429	<i>mutS</i>	BSG414_mutS	0.431	Info. Transfer	b4155	<i>yjeA</i>	plu4121_genX	0.244	Transport	b3838	<i>2orf</i>	plu4409_tatB	0.681
Info. Transfer	BU288	<i>hisS</i>	BSG277_hisS	0.438	Info. Transfer	b3384	<i>trpS</i>	plu0084_trpS	0.246	Transport	b3200	<i>yhbN</i>	plu4039	0.702
Info. Transfer	BU119	<i>nth</i>	BSG111_nth	0.446	Info. Transfer	b3911	<i>cpxA</i>	plu4795_cpxA	0.246	Transport	b2568	<i>lepB</i>	plu3341_lepB	0.721
Info. Transfer	BU403	<i>alaS</i>	BSG390_alaS	0.446	Info. Transfer	b0390	<i>parC</i>	plu3949_parC	0.247	Transport	b2924	<i>yygB</i>	plu3615	0.723
Info. Transfer	BU190	<i>pth</i>	BSG184_pth	0.462	Info. Transfer	b4172	<i>hfq</i>	plu4581_hfq	0.249	Transport	b0019	<i>nhaA</i>	plu0587_nhaA	0.731
Info. Transfer	BU014	<i>rnpA</i>	BSG014_rnpA	0.475	Info. Transfer	b0183	<i>rnhB</i>	plu0686_rnhB	0.251	Transport	b1256	<i>ycaD</i>	plu2478_ompW	0.745
Info. Transfer	BU284	<i>topA</i>	BSG273_topA	0.489	Info. Transfer	b0026	<i>ileS</i>	plu0591_ileS	0.253	Transport	b0069	<i>yabN</i>	plu3677_yabN	0.774
Info. Transfer	BU487	<i>cysS</i>	BSG471_cysS	0.510	Info. Transfer	b1866	<i>aspS</i>	plu2107_aspS	0.253	Transport	b1688	<i>2orf</i>	plu2627	0.775
Info. Transfer	BU110	<i>mexJ</i>	BSG103_mexJ	0.513	Info. Transfer	b1913	<i>uvrC</i>	plu2027_uvrC	0.254	Transport	b1857	<i>yebL</i>	plu2115_znuA	0.779
Info. Transfer	BU061	<i>cca</i>	BSG058_cca	0.513	Info. Transfer	b0113	<i>pdhR</i>	plu3624_pdhR	0.256	Transport	b1342	<i>2orf</i>	plu2577	0.786
Info. Transfer	BU199	<i>truA</i>	BSG193_truA	0.523	Info. Transfer	b2576	<i>srmB</i>	plu3349_srmB	0.258	Transport	b2558	<i>yfhD</i>	plu3318_yfhD	0.797
Info. Transfer	BU285	<i>subB</i>	BSG274_subB	0.524	Info. Transfer	b2733	<i>mutS</i>	plu0722_mutS	0.258	Transport	b2923	<i>yygA</i>	plu3612	0.798
Info. Transfer	BU431	<i>poIA</i>	BSG416_poIA	0.528	Info. Transfer	b2330	<i>yfcB</i>	plu3190	0.258	Transport	b1433	<i>2put</i>	plu0511	0.811
Info. Transfer	BU400	<i>fis</i>	BSG387_fis	0.542	Info. Transfer	b1883	<i>cheB</i>	plu1856_cheB	0.259	Transport	b2950	<i>yygR</i>	plu1181	0.814
Info. Transfer	BU357	<i>yefF</i>	BSG345_yefF	0.543	Info. Transfer	b1269	<i>ycaL</i>	plu2452	0.260	Transport	b1439	<i>2mul</i>	plu2044	0.830
Info. Transfer	BU141	<i>ksgA</i>	BSG134_kA	0.545	Info. Transfer	b0208	<i>yafC</i>	plu1255	0.260	Transport	b2174	<i>2orf</i>	plu2863	0.847
Info. Transfer	BU552	<i>mutY</i>	BSG534_mutY	0.548	Info. Transfer	b1861	<i>ruvA</i>	plu2111_ruvA	0.263	Transport	b2141	<i>yohJ</i>	plu1549	0.852
Info. Transfer	BU555	<i>sbCB</i>	BSG537_sbCB	0.552	Info. Transfer	b0642	<i>leuS</i>	plu1303_leuS	0.264	Transport	b1660	<i>ydhC</i>	plu2607	0.857
Info. Transfer	BU367	<i>pepA</i>	BSG355_pepA	0.568	Info. Transfer	b3167	<i>rbfA</i>	plu4528_rbfA	0.266	Transport	b2952	<i>yygT</i>	plu1178	0.872
Info. Transfer	BU259	<i>lepB</i>	BSG250_lepB	0.595	Info. Transfer	b2697	<i>alaS</i>	plu1250_alaS	0.272	Transport	b2793	<i>syd</i>	plu0663_syd	0.901
Info. Transfer	BU375	<i>truB</i>	BSG363_truB	0.599	Info. Transfer	b3259	<i>prmA</i>	plu4087_prmA	0.272	Transport	b0679	<i>nagE</i>	plu1318_nagE	0.906
Info. Transfer	BU011	<i>dnaN</i>	BSG011_dnaN	0.607	Info. Transfer	b1413	<i>hrpA</i>	plu2150_hrpA	0.272	Transport	b0007	<i>yaaJ</i>	plu2791	0.956
Info. Transfer	BU497	<i>fmt</i>	BSG478_fmt	0.624	Info. Transfer	b4171	<i>miaA</i>	plu4582_miaA	0.273	Transport	b0588	<i>fepC</i>	plu4626_fepC	0.966
Info. Transfer	BU022	<i>dnaT</i>	BSG023_dnaT	0.640	Info. Transfer	b3183	<i>yhbZ</i>	plu4540	0.273	Transport	b3196	<i>yrbG</i>	plu4035	0.981
Info. Transfer	BU148	<i>lspA</i>	BSG141_lspA	0.672	Info. Transfer	b2186	<i>yejK</i>	plu2186	0.275	Transport	b0219	<i>yjeM</i>	plu0519	0.994
Info. Transfer	BU347	<i>rne</i>	BSG335_rne	0.688	Info. Transfer	b3229	<i>sspA</i>	plu4013_sspA	0.275	Transport	b0696	<i>kdpC</i>	plu1418_kdpC	1.044
Info. Transfer	BU455	<i>recD</i>	BSG440_recD	0.699	Info. Transfer	b1763	<i>topB</i>	plu2550_topB	0.275	Transport	b1918	<i>yecS</i>	plu4485	1.054
Info. Transfer	BU130	<i>pheT</i>	BSG122_pheT	0.740	Info. Transfer	b1114	<i>mfd</i>	plu2815_mfd	0.276	Transport	b0543	<i>emrE</i>	plu2566	1.067
Info. Transfer	BU328	<i>yjiT</i>	BSG319_yjiT	0.754	Info. Transfer	b3606	<i>yibK</i>	plu4834	0.278	Transport	b4108	<i>phnA</i>	plu1533	1.071
Info. Transfer	BU282	<i>ycaL</i>	BSG271_ycaL	0.766	Info. Transfer	b3869	<i>glnL</i>	plu0236_glnL	0.278	Transport	b3722	<i>bgfF</i>	plu0583_bgfF	1.072
Info. Transfer	BU135	<i>glyS</i>	BSG127_glyS	0.778	Info. Transfer	b0393	<i>yaiD</i>	plu3929_rdgC	0.279	Transport	b2683	<i>yygH</i>	plu1278	1.119
Info. Transfer	BU454	<i>recB</i>	BSG439_recB	0.798	Info. Transfer	b0059	<i>hepA</i>	plu0615_hepA	0.282	Transport	b3413	<i>yhgH</i>	plu0199	1.127
Info. Transfer	BU570	<i>mutL</i>	BSG550_mutL	0.940	Info. Transfer	b0797	<i>rhlE</i>	plu1511_rhlE	0.284	Transport	b2060	<i>2orf</i>	plu3743_wzc	1.135
Info. Transfer	BU445	<i>hola</i>	BSG430_hola	1.005	Info. Transfer	b1086	<i>yceC</i>	plu2840_rluC	0.284	Transport	b0107	<i>hofB</i>	plu3639_hofB	1.205
Info. Transfer	BU453	<i>recC</i>	BSG438_recC	1.021	Info. Transfer	b0416	<i>nusB</i>	plu3897_nusB	0.288	Transport	b3739	<i>atpI</i>	plu0047_atpI	1.238
Info. Transfer	BU120	<i>priA</i>	BSG112_priA	1.033	Info. Transfer	b4201	<i>priB</i>	plu4572_priB	0.289	Transport	b1736	<i>celC</i>	plu2756_celC	1.314
Metabolism	BU404	<i>csrA</i>	BSG391_csrA	0.018	Info. Transfer	b1749	<i>xthA</i>	plu2549_xthA	0.291	Transport	b3679	<i>yidK</i>	plu1803	1.382
Metabolism	BU003	<i>atpE</i>	BSG003_atpE	0.053	Info. Transfer	b1713	<i>pheT</i>	plu2664_pheT	0.293	Transport	b3391	<i>hofQ</i>	plu0091	1.459
Metabolism	BU258	<i>rnc</i>	BSG249_rnc	0.080	Info. Transfer	b2514	<i>hisS</i>	plu1377_hisS	0.294	Transport	b0097	<i>yacA</i>	plu3646	1.554
Metabolism	BU382	<i>hflB</i>	BSG369_hflB	0.092	Info. Transfer	b0020	<i>nhaR</i>	plu0588_nhaR	0.294	Transport	b2934	<i>cmtB</i>	plu1979_sgcA	1.660
Metabolism	BU305	<i>pfkA</i>	BSG295_pfkA	0.100	Info. Transfer	b2608	<i>yfjA</i>	plu1258_rimM	0.298	Transport	b0590	<i>fepD</i>	plu4624_fepD	1.690
Metabolism	BU208	<i>speD</i>	BSG202_speD	0.117	Info. Transfer	b1014	<i>putA</i>	plu1957_putA	0.299	Transport	b1102	<i>fhuE</i>	plu4622_fhuE	1.712
Metabolism	BU195	<i>hpt</i>	BSG189_hpt	0.131	Info. Transfer	b3652	<i>recG</i>	plu0259_recG	0.301	Transport	b0129	<i>yadL</i>	plu0838	1.775
Metabolism	BU477	<i>lon</i>	BSG461_lon	0.138	Info. Transfer	b3202	<i>rpoN</i>	plu4041_rpoN	0.301	Transport	b3139	<i>agaC</i>	plu0836_agaC	1.995
Metabolism	BU408	<i>metK</i>	BSG393_metK	0.139	Info. Transfer	b3423	<i>glpR</i>	plu0195_glpR	0.302	Transport	b2155	<i>cirA</i>	plu2850	2.015
Metabolism	BU205	<i>aceE</i>	BSG199_aceE	0.154	Info. Transfer	b2411	<i>lig</i>	plu1398_ligA	0.306	Transport	b3377	<i>yhfT</i>	plu1999	2.024
Metabolism	BU373	<i>pnp</i>	BSG361_pnp	0.157	Info. Transfer	b3887	<i>yihZ</i>	plu0242_dtd	0.315	Transport	b1738	<i>celA</i>	plu2754_celA	2.032
Metabolism	BU188	<i>rnt</i>	BSG182_rnt	0.157	Info. Transfer	b3700	<i>recF</i>	plu0003_recF	0.316	Transport	b0587	<i>fepE</i>	plu3834_fepE	2.052
Metabolism	BU178	<i>nrdB</i>	BSG172_nrdB	0.163	Info. Transfer	b2159	<i>nfo</i>	plu2857_nfo	0.316	Transport	b1840	<i>2put</i>	plu2687	2.141
Metabolism	BU163	<i>nuoK</i>	BSG156_nuoK	0.170	Info. Transfer	b1204	<i>pth</i>	plu2055_pth	0.318	Transport	b1534	<i>ydeF</i>	plu0203	2.268
Metabolism	BU475	<i>clpP</i>	BSG459_clpP	0.191	Info. Transfer	b3822	<i>recQ</i>	plu4620_recQ	0.319	Transport	b3579	<i>yiaO</i>	plu0172	2.315
Metabolism	BU179	<i>nrdA</i>	BSG173_nrdA	0.192	Info. Transfer	b2318	<i>truA</i>	plu3173_truA	0.319	Transport	b2211	<i>yoiJ</i>	plu3530	2.355
Metabolism	BU155	<i>nuoB</i>	BSG148_nuoB	0.195	Info. Transfer	b2894	<i>xerD</i>	plu3552_xerD	0.326	Transport	b2246	<i>2put</i>	plu0981_hpaX	2.421
Metabolism	BU156	<i>nuoCD</i>	BSG149_nuoCD	0.198	Info. Transfer	b2806	<i>ygdE</i>	plu0654	0.329	Transport	b4130	<i>yjL</i>	plu1813	2.427

Metabolism	BU416	<i>pyrG</i>	BSG399_pyrG	0.200	Info. Transfer	b1914	<i>uvrY</i>	plu2028_uvrY	0.331	Transport	b2578	<i>yfiK</i>	plu0401	2.578
Metabolism	BU471	<i>cyoB</i>	BSG455_cyoB	0.203	Info. Transfer	b1187	<i>fadR</i>	plu2562_fadR	0.334	Transport	b0353	<i>mhpT</i>	plu3134	2.681
Metabolism	BU356	<i>ptsG</i>	BSG344_ptsG	0.205	Info. Transfer	b3635	<i>mutM</i>	plu4857_mutM	0.336	Transport	b1737	<i>celB</i>	plu2755_celB	2.781
Metabolism	BU251	<i>gpt</i>	BSG242_gpt	0.218	Info. Transfer	b3863	<i>polA</i>	plu0386_polA	0.336	Transport	b1798	<i>ycaS</i>	plu0605	2.892
Metabolism	BU273	<i>cls</i>	BSG262_cls	0.227	Info. Transfer	b3965	<i>trmA</i>	plu4736_trmA	0.337	Transport	b4193	<i>sgaT</i>	plu1981	3.001
Metabolism	BU161	<i>nuoL</i>	BSG154_nuoL	0.235	Info. Transfer	b0058	<i>yabO</i>	plu0614_rluA	0.338	Transport	b1828	<i>2put</i>	plu3924	3.012
Metabolism	BU060	<i>yb3052</i>	BSG057_rfaE	0.240	Info. Transfer	b1764	<i>selD</i>	plu2551_selD	0.341	Transport	b0328	<i>yahN</i>	plu1236	3.044
Metabolism	BU158	<i>nuoF</i>	BSG151_nuoF	0.241	Info. Transfer	b0447	<i>ybaO</i>	plu3860	0.347	Transport	b3577	<i>yiaM</i>	plu0173	3.173
Metabolism	BU417	<i>eno</i>	BSG400_eno	0.241	Info. Transfer	b1642	<i>slyA</i>	plu2600_slyA	0.347	Transport	b3673	<i>emrD</i>	plu0472	3.201
Metabolism	BU537	<i>rpe</i>	BSG518_rpe	0.248	Info. Transfer	b1652	<i>rnt</i>	plu2603_rnt	0.349	Transport	b3662	<i>yicM</i>	plu2643	3.296
Metabolism	BU319	<i>pykA</i>	BSG311_pykA	0.253	Info. Transfer	b4293	<i>fecI</i>	plu4444_fecI	0.354	Transport	b3508	<i>yhiD</i>	plu1843	3.306
Metabolism	BU597	<i>trxA</i>	BSG573_trxA	0.256	Info. Transfer	b0676	<i>nagC</i>	plu1315_nagC	0.355	Transport	b4332	<i>yjiJ</i>	plu1542	3.317
Metabolism	BU440	<i>thyA</i>	BSG425_thyA	0.256	Info. Transfer	b0694	<i>kdpE</i>	plu1416_kdpE	0.359	Transport	b0845	<i>2put</i>	plu0476	3.317
Metabolism	BU065	<i>ptsH</i>	BSG062_ptsH	0.257	Info. Transfer	b3210	<i>arcB</i>	plu4008_arcB	0.359	Transport	b1985	<i>yeeO</i>	plu0798	3.629
Metabolism	BU088	<i>ppa</i>	BSG081_ppa	0.260	Info. Transfer	b2828	<i>lgt</i>	plu0622_lgt	0.362	Transport	b0150	<i>fluA</i>	plu2316	3.791
Metabolism	BU093	<i>talA</i>	BSG085_talA	0.261	Info. Transfer	b4179	<i>vacB</i>	plu4575_mr	0.370	Transport	b3370	<i>yhfM</i>	plu2247	3.814
Metabolism	BU064	<i>ptsI</i>	BSG061_ptsI	0.262	Info. Transfer	b3066	<i>dnaG</i>	plu3978_dnaG	0.372	Transport	b0341	<i>cynX</i>	plu1003	4.250
Metabolism	BU094	<i>tktB</i>	BSG086_tkt	0.267	Info. Transfer	b3166	<i>truB</i>	plu4527_truB	0.374	Transport	b2372	<i>2put</i>	plu3802	4.498
Metabolism	BU450	<i>pgk</i>	BSG435_pgk	0.272	Info. Transfer	b1304	<i>pspA</i>	plu2585_pspA	0.379	Transport	b0770	<i>yihL</i>	plu0926	4.675
Metabolism	BU411	<i>rpiA</i>	BSG397_rpiA	0.277	Info. Transfer	b2580	<i>ung</i>	plu3371_ung	0.383	Transport	b0898	<i>ycaD</i>	plu4424	4.999
Metabolism	BU007	<i>atpG</i>	BSG007_atpG	0.278	Info. Transfer	b2961	<i>mutY</i>	plu1169_mutY	0.385	Unclassified	b3205	<i>yhbJ</i>	plu4044	0.055
Metabolism	BU573	<i>pgi</i>	BSG553_pgi	0.279	Info. Transfer	b3418	<i>malT</i>	plu0471_malT	0.385	Unclassified	b0471	<i>ybaB</i>	plu3840	0.057
Metabolism	BU228	<i>htrA</i>	BSG222_htrA	0.283	Info. Transfer	b0126	<i>yadF</i>	plu0867	0.386	Unclassified	b1203	<i>ychF</i>	plu2054	0.073
Metabolism	BU266	<i>rnb</i>	BSG256_rnb	0.297	Info. Transfer	b3202	<i>yhbH</i>	plu4042	0.387	Unclassified	b0156	<i>yadR</i>	plu0904	0.114
Metabolism	BU107	<i>gnd</i>	BSG100_gnd	0.300	Info. Transfer	b0214	<i>rnhA</i>	plu0942_rnhA	0.395	Unclassified	b2620	<i>smpB</i>	plu3378_smpB	0.119
Metabolism	BU063	<i>crr</i>	BSG060_crr	0.303	Info. Transfer	b3288	<i>fmt</i>	plu4696_fmt	0.395	Unclassified	b3871	<i>yihK</i>	plu0238_typA	0.129
Metabolism	BU137	<i>nfo</i>	BSG130_nfo	0.309	Info. Transfer	b4016	<i>aceK</i>	plu4394_aceK	0.396	Unclassified	b0636	<i>ybaA</i>	plu1298	0.135
Metabolism	BU233	<i>pyrH</i>	BSG227_pyrH	0.316	Info. Transfer	b2183	<i>rsuA</i>	plu2867_rsua	0.396	Unclassified	b3149	<i>yraO</i>	plu4004	0.149
Metabolism	BU587	<i>pitA</i>	BSG566_pitA	0.317	Info. Transfer	b2831	<i>mutH</i>	plu2678_mutH	0.397	Unclassified	b0892	<i>ycaJ</i>	plu1603	0.149
Metabolism	BU451	<i>fba</i>	BSG436_fba	0.320	Info. Transfer	b2743	<i>pcm</i>	plu0717_pcm	0.397	Unclassified	b1517	<i>yneB</i>	plu3147_lsrF	0.151
Metabolism	BU606	<i>fdx</i>	BSG581_fdx	0.332	Info. Transfer	b4237	<i>nrdG</i>	plu4500_nrdG	0.405	Unclassified	b0413	<i>ybaD</i>	plu3900	0.152
Metabolism	BU565	<i>vacB</i>	BSG545_rnr	0.336	Info. Transfer	b2616	<i>recN</i>	plu3374_recN	0.406	Unclassified	b0631	<i>ybeD</i>	plu1293	0.165
Metabolism	BU541	<i>deoD</i>	BSG521_deoD	0.336	Info. Transfer	b0143	<i>pcnB</i>	plu0874_pcnB	0.407	Unclassified	b2765	<i>ygcM</i>	plu0702	0.165
Metabolism	BU581	<i>fpr</i>	BSG560_fpr	0.337	Info. Transfer	b1303	<i>pspF</i>	plu2586_pspF	0.409	Unclassified	b3170	<i>yhbC</i>	plu4531	0.168
Metabolism	BU058	<i>ygjD</i>	BSG055_gcp	0.341	Info. Transfer	b0231	<i>dinP</i>	plu1239_dinP	0.410	Unclassified	b1654	<i>ydhD</i>	plu2604	0.174
Metabolism	BU108	<i>dcd</i>	BSG101_dcd	0.362	Info. Transfer	b4018	<i>iclR</i>	plu4392_iclR	0.410	Unclassified	b4243	<i>yjgF</i>	plu4498	0.181
Metabolism	BU162	<i>nuoJ</i>	BSG155_nuoJ	0.364	Info. Transfer	b1130	<i>phoP</i>	plu2807_phoP	0.419	Unclassified	b3780	<i>rhlB</i>	plu4665_rhlB	0.182
Metabolism	BU160	<i>nuoH</i>	BSG153_nuoH	0.367	Info. Transfer	b2565	<i>recO</i>	plu3338_recO	0.421	Unclassified	b3401	<i>yhgF</i>	plu0210	0.185
Metabolism	BU299	<i>fldA</i>	BSG289 fldA	0.374	Info. Transfer	b0422	<i>xseB</i>	plu3885_xseB	0.423	Unclassified	b1344	<i>ydaO</i>	plu2575	0.187
Metabolism	BU009	<i>atpC</i>	BSG009_atpC	0.379	Info. Transfer	b3056	<i>cca</i>	plu3972_cca	0.433	Unclassified	b1864	<i>ybcC</i>	plu2109	0.193
Metabolism	BU352	<i>acpP</i>	BSG340_acpP	0.385	Info. Transfer	b2798	<i>exo</i>	plu0660_xni	0.437	Unclassified	b3260	<i>yhdG</i>	plu4088	0.196
Metabolism	BU154	<i>nuoA</i>	BSG147_nuoA	0.391	Info. Transfer	b1881	<i>cheZ</i>	plu1858_cheZ	0.439	Unclassified	b0163	<i>yaeH</i>	plu0668	0.200
Metabolism	BU157	<i>nuoE</i>	BSG150_nuoE	0.391	Info. Transfer	b3206	<i>ptsO</i>	plu4045_ptsO	0.439	Unclassified	b2511	<i>2put</i>	plu1380_engA	0.206
Metabolism	BU175	<i>ackA</i>	BSG169_ackA	0.392	Info. Transfer	b0027	<i>lspA</i>	plu0592_lspA	0.445	Unclassified	b3644	<i>yicC</i>	plu4871	0.211
Metabolism	BU422	<i>cysC</i>	BSG407_cysC	0.394	Info. Transfer	b2684	<i>emrR</i>	plu1277_mprA	0.445	Unclassified	b2140	<i>yohl</i>	plu1512	0.214
Metabolism	BU046	<i>metF</i>	BSG043_metF	0.400	Info. Transfer	b3438	<i>gntR</i>	plu0496_gntR	0.447	Unclassified	b2812	<i>ygjL</i>	plu0649	0.233
Metabolism	BU542	<i>deoB</i>	BSG522_deoB	0.402	Info. Transfer	b1888	<i>cheA</i>	plu1851_cheA	0.451	Unclassified	b3356	<i>yhfA</i>	plu0396	0.241
Metabolism	BU142	<i>apaH</i>	BSG135_apaH	0.405	Info. Transfer	b1659	<i>ydhB</i>	plu2606	0.454	Unclassified	b3146	<i>yraL</i>	plu4001	0.256
Metabolism	BU353	<i>tmk</i>	BSG341_tmk	0.406	Info. Transfer	b2892	<i>recJ</i>	plu3550_recJ	0.456	Unclassified	b2946	<i>yggJ</i>	plu1185	0.258
Metabolism	BU224	<i>yabC</i>	BSG218_yabC	0.408	Info. Transfer	b2512	<i>2put</i>	plu1379	0.458	Unclassified	b2955	<i>yggW</i>	plu1176	0.265
Metabolism	BU304	<i>gpmA</i>	BSG294_gpmA	0.411	Info. Transfer	b3387	<i>dam</i>	plu0087_dam	0.459	Unclassified	b3499	<i>yhiR</i>	plu0374	0.266
Metabolism	BU159	<i>nuoG</i>	BSG152_nuoG	0.413	Info. Transfer	b1286	<i>rnb</i>	plu2384_rnb	0.465	Unclassified	b1181	<i>ygcN</i>	plu2141	0.270
Metabolism	BU283	<i>sohB</i>	BSG272_sohB	0.416	Info. Transfer	b2157	<i>yeiE</i>	plu2855	0.466	Unclassified	b2897	<i>ygfY</i>	plu3555	0.271
Metabolism	BU222	<i>ftsI</i>	BSG216_ftsI	0.440	Info. Transfer	b3935	<i>priA</i>	plu4759_priA	0.468	Unclassified	b4178	<i>yjeB</i>	plu4576	0.272
Metabolism	BU218	<i>murD</i>	BSG212_murD	0.441	Info. Transfer	b3292	<i>yhdM</i>	plu3700_zntR	0.477	Unclassified	b3180	<i>yhbY</i>	plu4537	0.273
Metabolism	BU119	<i>nth</i>	BSG111_nth	0.446	Info. Transfer	b0859	<i>ybjF</i>	plu1584	0.477	Unclassified	b2187	<i>yejL</i>	plu2871	0.279
Metabolism	BU209	<i>speE</i>	BSG203_speE	0.455	Info. Transfer	b1066	<i>rimJ</i>	plu2090_rimJ	0.486	Unclassified	b0905	<i>ycaO</i>	plu1615	0.279
Metabolism	BU216	<i>murG</i>	BSG210_murG	0.458	Info. Transfer	b4292	<i>fecR</i>	plu4445_fecR	0.489	Unclassified	b1870	<i>yeeO</i>	plu2103	0.282
Metabolism	BU320	<i>zwf</i>	BSG312_zwf	0.458	Info. Transfer	b2079	<i>baeR</i>	plu2778_baeR	0.490	Unclassified	b2962	<i>yggX</i>	plu1168	0.287
Metabolism	BU470	<i>cyoC</i>	BSG454_cyoC	0.459	Info. Transfer	b2011	<i>sbcB</i>	plu2847_sbcB	0.491	Unclassified	b0081	<i>yabB</i>	plu3663_mraZ	0.289
Metabolism	BU045	<i>murB</i>	BSG042_murB	0.470	Info. Transfer	b0487	<i>ybbI</i>	plu3823	0.502	Unclassified	b1267	<i>yicO</i>	plu2456	0.292
Metabolism	BU014	<i>rnpA</i>	BSG014_rnpA	0.475	Info. Transfer	b0687	<i>seqA</i>	plu1406_seqA	0.507	Unclassified	b0956	<i>ycbG</i>	plu1774	0.296
Metabolism	BU472	<i>cyoA</i>	BSG456_cyoA	0.487	Info. Transfer	b0400	<i>phoR</i>	plu3910_phoR	0.508	Unclassified	b1321	<i>ycjX</i>	plu2582	0.297
Metabolism	BU572	<i>mtlA</i>	BSG552_mtlA	0.514	Info. Transfer	b2509	<i>xseA</i>	plu2714_xseA	0.511	Unclassified	b2795	<i>ygdH</i>	plu0661	0.298
Metabolism	BU560	<i>dut</i>	BSG540_dut	0.517	Info. Transfer	b3753	<i>rbsR</i>	plu0060_rbsR	0.512	Unclassified	b2007	<i>yeeX</i>	plu2843	0.299
Metabolism	BU458	<i>mltA</i>	BSG442_mltA	0.524	Info. Transfer	b0470	<i>dnaX</i>	plu3841_dnaX	0.513	Unclassified	b3999	<i>yjaG</i>	plu0491	0.299
Metabolism	BU428	<i>cysJ</i>	BSG413_cysJ	0.529	Info. Transfer	b1135	<i>ymfC</i>	plu2802	0.515	Unclassified	b0659	<i>ybeY</i>	plu1310	0.301

Metabolism	BU114	<i>rnjB</i>	BSG106_ydgM	0.529	Info. Transfer	b3569	<i>xylR</i>	plu2274_xylR	0.516	Unclassified	b3497	<i>yhiQ</i>	plu0123	0.302
Metabolism	BU302	<i>sucA</i>	BSG292_sucA	0.538	Info. Transfer	b3811	<i>xerC</i>	plu4638_xerC	0.516	Unclassified	b0637	<i>yhcB</i>	plu1299	0.305
Metabolism	BU555	<i>sbcB</i>	BSG537_sbcB	0.552	Info. Transfer	b3998	<i>nfi</i>	plu0490_nfi	0.519	Unclassified	b0780	<i>ybhK</i>	plu1498	0.308
Metabolism	BU367	<i>pepA</i>	BSG355_pepA	0.568	Info. Transfer	b3235	<i>degS</i>	plu4022_degS	0.525	Unclassified	b1282	<i>ychi</i>	plu2426	0.309
Metabolism	BU576	<i>amiB</i>	BSG555_amiB	0.622	Info. Transfer	b3404	<i>envZ</i>	plu0213_envZ	0.538	Unclassified	b3038	<i>ygiC</i>	plu3957	0.312
Metabolism	BU004	<i>atpF</i>	BSG004_atpF	0.630	Info. Transfer	b3934	<i>cytR</i>	plu4760_cytR	0.546	Unclassified	b1088	<i>yceD</i>	plu2838	0.313
Metabolism	BU554	<i>murI</i>	BSG536_murI	0.641	Info. Transfer	b0640	<i>holA</i>	plu1301_holA	0.549	Unclassified	b0223	<i>yajJ</i>	plu1194	0.316
Metabolism	BU307	<i>tpiA</i>	BSG297_tpiA	0.642	Info. Transfer	b4046	<i>yjbK</i>	plu4373_zur	0.556	Unclassified	b3928	<i>yiuU</i>	plu4766	0.319
Metabolism	BU571	<i>mtlD</i>	BSG551_mtlD	0.654	Info. Transfer	b2791	<i>yqcB</i>	plu0665	0.556	Unclassified	b0917	<i>ycaR</i>	plu1633	0.319
Metabolism	BU347	<i>rne</i>	BSG335_rne	0.688	Info. Transfer	b3289	<i>sun</i>	plu4697_rsmB	0.559	Unclassified	b2960	<i>yggH</i>	plu1170	0.322
Metabolism	BU455	<i>recD</i>	BSG440_recD	0.699	Info. Transfer	b1961	<i>dcm</i>	plu0338_dcm	0.562	Unclassified	b2113	<i>mrp</i>	plu1555_mrp	0.325
Metabolism	BU176	<i>pta</i>	BSG170_pta	0.739	Info. Transfer	b2479	<i>gcvR</i>	plu2747_gcvR	0.564	Unclassified	b0101	<i>yacG</i>	plu3643	0.326
Metabolism	BU246	<i>gloB</i>	BSG238_gloB	0.741	Info. Transfer	b1323	<i>tyrR</i>	plu2580_tyrR	0.564	Unclassified	b2910	<i>ygeE</i>	plu3603	0.328
Metabolism	BU005	<i>atpH</i>	BSG005_atpH	0.749	Info. Transfer	b2581	<i>yfiF</i>	plu1274	0.572	Unclassified	b1253	<i>yciA</i>	plu2484	0.333
Metabolism	BU210	<i>pfs</i>	BSG204_pfs	0.774	Info. Transfer	b2805	<i>fucR</i>	plu4112_fucR	0.574	Unclassified	b0969	<i>yecK</i>	plu1786	0.333
Metabolism	BU454	<i>recB</i>	BSG439_recB	0.798	Info. Transfer	b1884	<i>cheR</i>	plu1855_cheR	0.574	Unclassified	b4049	<i>yjbN</i>	plu4364	0.336
Metabolism	BU469	<i>cyoD</i>	BSG453_cyoD	0.845	Info. Transfer	b0330	<i>prpR</i>	plu3543_prpR	0.577	Unclassified	b1511	<i>yaeV</i>	plu3141	0.336
Metabolism	BU324	<i>yeaZ</i>	BSG315_yeaZ	0.879	Info. Transfer	b0189	<i>yaeO</i>	plu0690_rof	0.577	Unclassified	b3198	<i>yrbI</i>	plu4037	0.338
Metabolism	BU202	<i>mutT</i>	BSG196_mutT	0.989	Info. Transfer	b1778	<i>yeaA</i>	plu2557_msrB	0.584	Unclassified	b1687	<i>ydiJ</i>	plu2626	0.339
Metabolism	BU453	<i>recC</i>	BSG438_recC	1.021	Info. Transfer	b1212	<i>hemK</i>	plu2071_hemK	0.586	Unclassified	b2291	<i>2put</i>	plu3092	0.339
Nucleotide Biosyn.	BU169	<i>prsA</i>	BSG163_prsA	0.062	Info. Transfer	b0799	<i>dinG</i>	plu1524_dinG	0.586	Unclassified	b4166	<i>yjeS</i>	plu4586	0.341
Nucleotide Biosyn.	BU144	<i>carB</i>	BSG137_carB	0.134	Info. Transfer	b1084	<i>rne</i>	plu2841_rne	0.593	Unclassified	b1703	<i>ydiA</i>	plu2629	0.342
Nucleotide Biosyn.	BU204	<i>guaC</i>	BSG198_guaC	0.164	Info. Transfer	b1804	<i>rnd</i>	plu2135_rnd	0.595	Unclassified	b3888	<i>yiiD</i>	plu0243	0.343
Nucleotide Biosyn.	BU434	<i>gmk</i>	BSG419_gmk	0.186	Info. Transfer	b4259	<i>holC</i>	plu4482_holC	0.599	Unclassified	b2619	<i>2orf</i>	plu3377	0.344
Nucleotide Biosyn.	BU145	<i>carA</i>	BSG138_carA	0.190	Info. Transfer	b3549	<i>tag</i>	plu0292_tag	0.600	Unclassified	b4397	<i>creA</i>	plu0561_creA	0.346
Nucleotide Biosyn.	BU270	<i>pyrF</i>	BSG260_pyrF	0.237	Info. Transfer	b4324	<i>uxuR</i>	plu0171_uxuR	0.601	Unclassified	b3492	<i>yhiN</i>	plu0118	0.349
Nucleotide Biosyn.	BU370	<i>pyrI</i>	BSG358_pyrI	0.282	Info. Transfer	b4170	<i>mutL</i>	plu4583_mutL	0.610	Unclassified	b3031	<i>yqiA</i>	plu3951	0.349
Nucleotide Biosyn.	BU263	<i>purB</i>	BSG253_purB	0.317	Info. Transfer	b2556	<i>yfhK</i>	plu3313	0.612	Unclassified	b1248	<i>2orf</i>	plu2488	0.350
Nucleotide Biosyn.	BU362	<i>pyrD</i>	BSG350_pyrD	0.357	Info. Transfer	b4370	<i>rmlI</i>	plu4250_rmlI	0.637	Unclassified	b0050	<i>apaG</i>	plu0608_apaG	0.350
Nucleotide Biosyn.	BU566	<i>purA</i>	BSG546_purA	0.376	Info. Transfer	b1842	<i>holE</i>	plu2690_holE	0.637	Unclassified	b1871	<i>yecP</i>	plu2102	0.351
Nucleotide Biosyn.	BU334	<i>pyrC</i>	BSG322_pyrC	0.406	Info. Transfer	b0962	<i>helD</i>	plu1779_helD	0.638	Unclassified	b2434	<i>2orf</i>	plu1384	0.353
Nucleotide Biosyn.	BU031	<i>purH</i>	BSG032_purH	0.488	Info. Transfer	b4219	<i>msrA</i>	plu4555_msrA	0.642	Unclassified	b0948	<i>ycbY</i>	plu1764	0.354
Nucleotide Biosyn.	BU484	<i>adk</i>	BSG469_adk	0.801	Info. Transfer	b1305	<i>pspB</i>	plu2584_pspB	0.644	Unclassified	b2326	<i>2put</i>	plu3187	0.360
Regulation	BU489	<i>cspE</i>	BSG473_cspE	0.000	Info. Transfer	b2559	<i>yfhC</i>	plu3320	0.645	Unclassified	b0966	<i>yecV</i>	plu1784	0.366
Regulation	BU596	<i>rho</i>	BSG572_rho	0.007	Info. Transfer	b0148	<i>hrpB</i>	plu0882_hrpB	0.650	Unclassified	b2532	<i>2put</i>	plu3285	0.367
Regulation	BU404	<i>csrA</i>	BSG391_csrA	0.018	Info. Transfer	b0175	<i>yadB</i>	plu0875	0.651	Unclassified	b1539	<i>ydfG</i>	plu2233	0.367
Regulation	BU055	<i>rpoD</i>	BSG052_rpoD	0.127	Info. Transfer	b4312	<i>fimB</i>	plu0260	0.660	Unclassified	b2949	<i>yqgF</i>	plu1182	0.374
Regulation	BU477	<i>lon</i>	BSG461_lon	0.138	Info. Transfer	b2836	<i>aas</i>	plu1246_aas	0.660	Unclassified	b2299	<i>2put</i>	plu3158	0.375
Regulation	BU408	<i>metK</i>	BSG393_metK	0.139	Info. Transfer	b2785	<i>ygcA</i>	plu0909_rumA	0.665	Unclassified	b2184	<i>yehH</i>	plu2868	0.378
Regulation	BU378	<i>nusA</i>	BSG366_nusA	0.170	Info. Transfer	b2340	<i>2orf</i>	plu3199_sixA	0.665	Unclassified	b4161	<i>yjeQ</i>	plu4596	0.379
Regulation	BU475	<i>clpP</i>	BSG459_clpP	0.191	Info. Transfer	b4396	<i>rob</i>	plu0560_rob	0.668	Unclassified	b3037	<i>ygiB</i>	plu3956	0.381
Regulation	BU180	<i>gyrA</i>	BSG174_gyrA	0.197	Info. Transfer	b2572	<i>rseA</i>	plu3345_rseA	0.670	Unclassified	b1056	<i>yceI</i>	plu2095	0.384
Regulation	BU173	<i>yhcA</i>	BSG167_yhcA	0.202	Info. Transfer	b2078	<i>baeS</i>	plu2777_baeS	0.673	Unclassified	b0426	<i>yajQ</i>	plu3881	0.385
Regulation	BU356	<i>ptsG</i>	BSG344_ptsG	0.205	Info. Transfer	b0398	<i>sbcD</i>	plu3912_sbcD	0.687	Unclassified	b3233	<i>yhcB</i>	plu4017	0.386
Regulation	BU012	<i>dnaA</i>	BSG012_dnaA	0.206	Info. Transfer	b3188	<i>nlp</i>	plu4546	0.687	Unclassified	b3439	<i>yhhW</i>	plu0101	0.386
Regulation	BU384	<i>greA</i>	BSG371_greA	0.244	Info. Transfer	b2822	<i>recC</i>	plu0630_recC	0.699	Unclassified	b1100	<i>yehH</i>	plu2826	0.388
Regulation	BU010	<i>gyrB</i>	BSG010_gyrB	0.270	Info. Transfer	b1960	<i>vsr</i>	plu0339_vsr	0.709	Unclassified	b3470	<i>yhhP</i>	plu4109_sirA	0.395
Regulation	BU286	<i>yfgB</i>	BSG275_yfgB	0.419	Info. Transfer	b2820	<i>recB</i>	plu0632_recB	0.717	Unclassified	b2165	<i>yeiN</i>	plu4351	0.397
Regulation	BU284	<i>topA</i>	BSG273_topA	0.489	Info. Transfer	b2568	<i>lepB</i>	plu3341_lepB	0.721	Unclassified	b2254	<i>2put</i>	plu2659_2pbg	0.398
Regulation	BU285	<i>suhB</i>	BSG274_suhB	0.524	Info. Transfer	b2364	<i>dsdC</i>	plu1968_dsdC	0.736	Unclassified	b1280	<i>yciM</i>	plu2428	0.406
Regulation	BU400	<i>fis</i>	BSG387_fis	0.542	Info. Transfer	b2289	<i>lrhA</i>	plu3090_lrhA	0.743	Unclassified	b3379	<i>yhfV</i>	plu1997_php	0.407
Regulation	BU473	<i>bolA</i>	BSG457_bolA	0.701	Info. Transfer	b1822	<i>yebH</i>	plu2702_rrmA	0.766	Unclassified	b2794	<i>yqcD</i>	plu0662	0.409
Regulation	BU385	<i>yrbA</i>	BSG372_yrbA	0.863	Info. Transfer	b4371	<i>yjiT</i>	plu4252_rsmC	0.777	Unclassified	b3348	<i>slyX</i>	plu0423_slyX	0.415
Surface Structures	BU567	<i>hflC</i>	BSG547_hflC	0.219	Info. Transfer	b0211	<i>dnitR</i>	plu0939_mtlD	0.781	Unclassified	b3421	<i>rtcB</i>	plu4307_rtcB	0.418
Surface Structures	BU583	<i>kdtB</i>	BSG562_kdtB	0.243	Info. Transfer	b2193	<i>narP</i>	plu2720_narP	0.795	Unclassified	b1180	<i>2put</i>	plu2450	0.424
Surface Structures	BU083	<i>fliQ</i>	BSG076_fliQ	0.249	Info. Transfer	b3385	<i>gph</i>	plu0085_gph	0.799	Unclassified	b4255	<i>yjdD</i>	plu4489	0.425
Surface Structures	BU241	<i>fliA</i>	BSG236_fliA	0.264	Info. Transfer	b1129	<i>phoQ</i>	plu2808_phoQ	0.802	Unclassified	b2906	<i>visC</i>	plu3599_visC	0.439
Surface Structures	BU026	<i>glmS</i>	BSG027_glmS	0.314	Info. Transfer	b0885	<i>aat</i>	plu1596_aat	0.803	Unclassified	b0710	<i>ybgI</i>	plu1424	0.446
Surface Structures	BU250	<i>lpcA</i>	BSG241_lpcA	0.317	Info. Transfer	b2786	<i>barA</i>	plu0908_barA	0.821	Unclassified	b1128	<i>yjdD</i>	plu2809	0.449
Surface Structures	BU343	<i>flgH</i>	BSG331_flgH	0.327	Info. Transfer	b3638	<i>radC</i>	plu4865_radC	0.822	Unclassified	b1648	<i>2orf</i>	plu2601	0.453
Surface Structures	BU338	<i>flgC</i>	BSG326_flgC	0.397	Info. Transfer	b1306	<i>pspC</i>	plu2583_pspC	0.823	Unclassified	b1333	<i>ydaA</i>	plu2178	0.454
Surface Structures	BU568	<i>hflK</i>	BSG548_hflK	0.402	Info. Transfer	b4241	<i>treR</i>	plu3289_treR	0.826	Unclassified	b1271	<i>yciK</i>	plu2450	0.454
Surface Structures	BU082	<i>fliP</i>	BSG075_fliP	0.420	Info. Transfer	b2819	<i>recD</i>	plu0633_recD	0.847	Unclassified	b3397	<i>yrfE</i>	plu0096_nudE	0.456
Surface Structures	BU344	<i>flgI</i>	BSG332_flgI	0.447	Info. Transfer	b1594	<i>mleC</i>	plu2226_mleC	0.850	Unclassified	b0926	<i>yhcK</i>	plu1748	0.458
Surface Structures	BU027	<i>glmU</i>	BSG028_glmU	0.456	Info. Transfer	b0464	<i>acrR</i>	plu3850_acrR	0.871	Unclassified	b3034	<i>yqiE</i>	plu3953_nudF	0.460
Surface Structures	BU098	<i>yb233I</i>	BSG091_Y098	0.456	Info. Transfer	b0338	<i>cynR</i>	plu0110_cynR	0.889	Unclassified	b1686	<i>2orf</i>	plu2625	0.464
Surface Structures	BU345	<i>flgJ</i>	BSG333_flgJ	0.480	Info. Transfer	b2571	<i>rseB</i>	plu3344_rseB	0.923	Unclassified	b1640	<i>2orf</i>	plu2598	0.469

Surface Structures	BU236	<i>uppS</i>	BSG230_uppS	0.514	Info. Transfer	b2945	<i>endA</i>	plu2037	0.948	Unclassified	b3279	<i>yrdA</i>	plu4689	0.472
Surface Structures	BU240	<i>flhB</i>	BSG235_flhB	0.559	Info. Transfer	b1507	<i>hipA</i>	plu4900_hipA	0.974	Unclassified	b0927	<i>ycbL</i>	plu1749	0.474
Surface Structures	BU072	<i>flhE</i>	BSG066_flhE	0.630	Info. Transfer	b0188	<i>mesJ</i>	plu0689_mesJ	0.979	Unclassified	b0965	<i>zorF</i>	plu1781	0.474
Surface Structures	BU084	<i>flhI</i>	BSG077_flhI	0.678	Info. Transfer	b1235	<i>hnr</i>	plu2502_hnr	0.985	Unclassified	b3345	<i>yheN</i>	plu0426	0.475
Surface Structures	BU074	<i>flhG</i>	BSG068_flhG	0.689	Info. Transfer	b1339	<i>ydaK</i>	plu3727_abgR	0.987	Unclassified	b2255	<i>2put</i>	plu2658_2pbg	0.478
Surface Structures	BU073	<i>flhF</i>	BSG067_flhF	0.723	Info. Transfer	b3667	<i>uhpC</i>	plu0813_uhpC	1.018	Unclassified	b2951	<i>yggS</i>	plu1180	0.479
Surface Structures	BU337	<i>flgB</i>	BSG325_flgB	0.744	Info. Transfer	b1610	<i>tus</i>	plu2356_tus	1.050	Unclassified	b2959	<i>yggL</i>	plu1171	0.479
Surface Structures	BU339	<i>flgD</i>	BSG327_flgD	0.784	Info. Transfer	b2537	<i>hcaR</i>	plu2203_hcaR	1.064	Unclassified	b3253	<i>yhdH</i>	plu4072	0.480
Surface Structures	BU346	<i>flgK</i>	BSG334_flgK	0.798	Info. Transfer	b3722	<i>bgIF</i>	plu0583_bgIF	1.072	Unclassified	b3354	<i>yheU</i>	plu0398	0.481
Surface Structures	BU336	<i>flgA</i>	BSG324_flgA	0.840	Info. Transfer	b0955	<i>2put</i>	plu1773	1.073	Unclassified	b0493	<i>ybbO</i>	plu3819	0.481
Surface Structures	BU075	<i>flhH</i>	BSG069_flhH	1.227	Info. Transfer	b1061	<i>dinI</i>	plu1815_dinI	1.103	Unclassified	b0481	<i>ybaK</i>	plu3827	0.484
Surface Structures	BU335	<i>flgN</i>	BSG323_flgN	1.232	Info. Transfer	b3669	<i>uhpA</i>	plu0815_uhpA	1.113	Unclassified	b3383	<i>yhfZ</i>	plu1994	0.484
Surface Structures	BU077	<i>flhJ</i>	BSG071_flhJ	1.385	Info. Transfer	b2570	<i>rseC</i>	plu3343_rseC	1.124	Unclassified	b2898	<i>ygfZ</i>	plu3556	0.485
Surface Structures	BU081	<i>flhN</i>	BSG074_flhN	1.678	Info. Transfer	b2060	<i>zorF</i>	plu3743_wzc	1.135	Unclassified	b2948	<i>yqeE</i>	plu1183	0.487
Surface Structures	BU079	<i>flhK</i>	BSG072_flhK	1.693	Info. Transfer	b0796	<i>ybiH</i>	plu1510	1.137	Unclassified	b1322	<i>ycjF</i>	plu2581	0.487
Surface Structures	BU080	<i>flhM</i>	BSG073_flhM	2.116	Info. Transfer	b1099	<i>holB</i>	plu2827_holB	1.142	Unclassified	b1631	<i>zorF</i>	plu2381_rfnG	0.487
Translation	BU057	<i>rpsU</i>	BSG054_rpsU	0.014	Info. Transfer	b0397	<i>sbcC</i>	plu3913_sbcC	1.221	Unclassified	b1809	<i>zorF</i>	plu2128	0.493
Translation	BU525	<i>rpsJ</i>	BSG506_rpsJ	0.020	Info. Transfer	b0226	<i>dinJ</i>	plu1325_dinJ	1.240	Unclassified	b3996	<i>yjaD</i>	plu0488_nudC	0.499
Translation	BU013	<i>rpmH</i>	BSG013_rpmH	0.022	Info. Transfer	b3131	<i>agaR</i>	plu0832_agaR	1.282	Unclassified	b1518	<i>zorF</i>	plu3148_lsrG	0.505
Translation	BU501	<i>rpsK</i>	BSG482_rpsK	0.024	Info. Transfer	b0958	<i>sulA</i>	plu1776_sulA	1.285	Unclassified	b0881	<i>yljA</i>	plu1593	0.508
Translation	BU085	<i>rpmG</i>	BSG078_rpmG	0.037	Info. Transfer	b2735	<i>yglI</i>	plu2511	1.413	Unclassified	b4168	<i>yjeE</i>	plu4585	0.508
Translation	BU514	<i>rplN</i>	BSG495_rplN	0.060	Info. Transfer	b4372	<i>holD</i>	plu4251_holD	1.490	Unclassified	b0736	<i>ybgC</i>	plu1451	0.512
Translation	BU518	<i>rpsC</i>	BSG499_rpsC	0.063	Info. Transfer	b2837	<i>galR</i>	plu3733	1.576	Unclassified	b3807	<i>cyaY</i>	plu4642_cyaY	0.514
Translation	BU507	<i>rpsE</i>	BSG488_rpsE	0.070	Info. Transfer	b3647	<i>yicF</i>	plu0286	1.596	Unclassified	b2781	<i>macG</i>	plu0911_macG	0.515
Translation	BU528	<i>rpsG</i>	BSG509_rpsG	0.075	Info. Transfer	b4113	<i>basR</i>	plu3179_tctD	1.596	Unclassified	b1777	<i>zorF</i>	plu2556	0.531
Translation	BU529	<i>rpsL</i>	BSG510_rpsL	0.081	Info. Transfer	b2972	<i>2put</i>	plu1733_2Typ	1.688	Unclassified	b2902	<i>ygfF</i>	plu0977	0.537
Translation	BU563	<i>rpsR</i>	BSG543_rpsR	0.085	Info. Transfer	b3723	<i>bgIG</i>	plu0584_bgIG	1.779	Unclassified	b1279	<i>yciS</i>	plu2429	0.540
Translation	BU315	<i>infA</i>	BSG305_infA	0.086	Info. Transfer	b2216	<i>yajN</i>	plu3047	1.828	Unclassified	b0195	<i>yaeB</i>	plu0693	0.541
Translation	BU520	<i>rpsS</i>	BSG501_rpsS	0.093	Info. Transfer	b0467	<i>prcC</i>	plu3843_prcC	1.861	Unclassified	b3465	<i>yhfF</i>	plu4105	0.546
Translation	BU388	<i>rpmA</i>	BSG375_rpmA	0.107	Info. Transfer	b0900	<i>ycaN</i>	plu1320	1.983	Unclassified	b3614	<i>yihQ</i>	plu4842	0.548
Translation	BU511	<i>rpsN</i>	BSG492_rpsN	0.114	Info. Transfer	b2213	<i>ada</i>	plu1288_ogt	2.000	Unclassified	b1856	<i>yebA</i>	plu2116_yebA	0.550
Translation	BU128	<i>rplT</i>	BSG120_rplT	0.128	Info. Transfer	b1508	<i>hipB</i>	plu4901_hipB	2.047	Unclassified	b3353	<i>yheT</i>	plu0399	0.551
Translation	BU127	<i>rplM</i>	BSG119_rplM	0.129	Info. Transfer	b4361	<i>dnaC</i>	plu3472	2.060	Unclassified	b3376	<i>yhfS</i>	plu2000	0.552
Translation	BU517	<i>rplP</i>	BSG498_rplP	0.131	Info. Transfer	b3668	<i>uhpB</i>	plu0814_uhpB	2.101	Unclassified	b0492	<i>ybbN</i>	plu3820	0.558
Translation	BU521	<i>rplB</i>	BSG502_rplB	0.133	Info. Transfer	b0272	<i>yagI</i>	plu0139	2.196	Unclassified	b1787	<i>yeaK</i>	plu1562	0.562
Translation	BU512	<i>rplE</i>	BSG493_rplE	0.141	Info. Transfer	b3074	<i>ygiH</i>	plu1809	2.290	Unclassified	b1134	<i>2put</i>	plu2803	0.565
Translation	BU500	<i>rpsD</i>	BSG481_rpsD	0.142	Info. Transfer	b1222	<i>narX</i>	plu2041	2.306	Unclassified	b3721	<i>bgIB</i>	plu0582_bgIB	0.572
Translation	BU309	<i>rpsA</i>	BSG299_rpsA	0.150	Info. Transfer	b1916	<i>sdiA</i>	plu0320	2.490	Unclassified	b3910	<i>yiiM</i>	plu0076	0.574
Translation	BU020	<i>efp</i>	BSG021_efp	0.157	Info. Transfer	b1790	<i>yeaM</i>	plu4091	2.665	Unclassified	b2618	<i>zorF</i>	plu3376	0.578
Translation	BU519	<i>rplV</i>	BSG500_rplV	0.157	Info. Transfer	b3026	<i>ygiY</i>	plu3178_tctE	3.085	Unclassified	b0209	<i>yqjD</i>	plu0699	0.580
Translation	BU390	<i>rpsI</i>	BSG377_rpsI	0.159	Info. Transfer	b4349	<i>hsdM</i>	plu4319_hsdM	3.161	Unclassified	b3859	<i>yihE</i>	plu0380	0.580
Translation	BU035	<i>rplL</i>	BSG036_rplL	0.168	Info. Transfer	b2370	<i>evgS</i>	plu2284_bvgS	3.199	Unclassified	b2295	<i>zorF</i>	plu3094	0.590
Translation	BU523	<i>rplD</i>	BSG504_rplD	0.183	Info. Transfer	b3375	<i>yhfR</i>	plu3195_hutC	3.315	Unclassified	b0813	<i>ybiF</i>	plu1535	0.591
Translation	BU515	<i>rpsQ</i>	BSG496_rpsQ	0.189	Info. Transfer	b3010	<i>yqhC</i>	plu3775	3.579	Unclassified	b1624	<i>zorF</i>	plu2375	0.592
Translation	BU502	<i>rpsM</i>	BSG483_rpsM	0.192	Info. Transfer	b3906	<i>rhaR</i>	plu1330	3.623	Unclassified	b3282	<i>yrdC</i>	plu4692	0.597
Translation	BU231	<i>rpsB</i>	BSG225_rpsB	0.203	Info. Transfer	b2068	<i>alkA</i>	plu0155	3.708	Unclassified	b3832	<i>yigN</i>	plu4414_rmuC	0.597
Translation	BU038	<i>rplK</i>	BSG039_rplK	0.204	Metabolism	b3737	<i>atpE</i>	plu0045_atpE	0.000	Unclassified	b2944	<i>sprT</i>	plu3684_sprT	0.603
Translation	BU524	<i>rplC</i>	BSG505_rplC	0.207	Metabolism	b3732	<i>atpD</i>	plu0040_atpD	0.062	Unclassified	b1266	<i>yciV</i>	plu2457_trpH	0.606
Translation	BU506	<i>rpmD</i>	BSG487_rpmD	0.208	Metabolism	b2287	<i>nuoB</i>	plu3088_nuoB	0.069	Unclassified	b3257	<i>yhdT</i>	plu4085	0.607
Translation	BU577	<i>rpmE</i>	BSG556_rpmE	0.220	Metabolism	b0116	<i>lpdA</i>	plu3621_lpdA	0.070	Unclassified	b1811	<i>zorF</i>	plu2693	0.610
Translation	BU391	<i>rplM</i>	BSG378_rplM	0.226	Metabolism	b0729	<i>sucD</i>	plu1433_sucD	0.085	Unclassified	b3820	<i>yigI</i>	plu4631	0.619
Translation	BU171	<i>prfA</i>	BSG165_prfA	0.231	Metabolism	b2279	<i>nuoK</i>	plu3080_nuoK	0.085	Unclassified	b3689	<i>yidR</i>	plu0288	0.623
Translation	BU513	<i>rplX</i>	BSG494_rplX	0.239	Metabolism	b4389	<i>sms</i>	plu0552_radA	0.085	Unclassified	b4068	<i>yjeH</i>	plu0073	0.625
Translation	BU036	<i>rplJ</i>	BSG037_rplJ	0.241	Metabolism	b0238	<i>gpt</i>	plu1241_gpt	0.087	Unclassified	b0853	<i>ybiN</i>	plu1583	0.625
Translation	BU562	<i>rplI</i>	BSG542_rplI	0.247	Metabolism	b2415	<i>ptsH</i>	plu1394_ptsH	0.088	Unclassified	b1765	<i>yjA</i>	plu2552	0.628
Translation	BU397	<i>rplS</i>	BSG384_rplS	0.255	Metabolism	b3616	<i>tdh</i>	plu4845_tdh	0.089	Unclassified	b3039	<i>ygiD</i>	plu3962	0.629
Translation	BU349	<i>rpmF</i>	BSG337_rpmF	0.258	Metabolism	b3734	<i>atpA</i>	plu0042_atpA	0.096	Unclassified	b2408	<i>yjeN</i>	plu3874	0.632
Translation	BU510	<i>rpsH</i>	BSG491_rpsH	0.272	Metabolism	b0723	<i>sdhA</i>	plu1428_sdhA	0.099	Unclassified	b1604	<i>zorF</i>	plu2166	0.633
Translation	BU037	<i>rplA</i>	BSG038_rplA	0.276	Metabolism	b2498	<i>upp</i>	plu2759_upp	0.100	Unclassified	b2700	<i>ygaD</i>	plu1248	0.635
Translation	BU509	<i>rplF</i>	BSG490_rplF	0.303	Metabolism	b2942	<i>metK</i>	plu2683_metK	0.101	Unclassified	b0920	<i>ycbC</i>	plu1635	0.637
Translation	BU505	<i>rplO</i>	BSG486_rplO	0.303	Metabolism	b2417	<i>crr</i>	plu1392_crr	0.102	Unclassified	b3042	<i>zorF</i>	plu3964	0.641
Translation	BU508	<i>rplR</i>	BSG489_rplR	0.319	Metabolism	b2290	<i>2put</i>	plu3091	0.102	Unclassified	b3611	<i>ybiN</i>	plu4840	0.641
Translation	BU516	<i>rpmC</i>	BSG497_rpmC	0.326	Metabolism	b0439	<i>lon</i>	plu3867_lon	0.102	Unclassified	b3964	<i>yjiD</i>	plu4737	0.643
Translation	BU564	<i>rpsF</i>	BSG544_rpsF	0.328	Metabolism	b0728	<i>sucC</i>	plu1432_sucC	0.104	Unclassified	b2593	<i>yfhH</i>	plu2169	0.644
Translation	BU374	<i>rpsO</i>	BSG362_rpsO	0.348	Metabolism	b2281	<i>nuoI</i>	plu3082_nuoI	0.106	Unclassified	b1087	<i>yciF</i>	plu2839	0.650
Translation	BU086	<i>rpmB</i>	BSG079_rpmB	0.371	Metabolism	b1136	<i>icdA</i>	plu2801_icd	0.106	Unclassified	b0119	<i>yacL</i>	plu3616	0.651
Translation	BU522	<i>rplW</i>	BSG503_rplW	0.375	Metabolism	b4226	<i>ppa</i>	plu4551_ppa	0.106	Unclassified	b1179	<i>ycgL</i>	plu2139	0.656

Translation	BU387	<i>rplU</i>	BSG374_rplU	0.378	Metabolism	b0724	<i>sdhB</i>	plu1429_sdhB	0.108	Unclassified	b2494	<i>2orf</i>	plu2750	0.660
Translation	BU498	<i>rplQ</i>	BSG479_rplQ	0.389	Metabolism	b0087	<i>mraY</i>	plu3657_mraY	0.112	Unclassified	b3885	<i>yihX</i>	plu0241	0.660
Translation	BU234	<i>frr</i>	BSG228_frr	0.433	Metabolism	b1245	<i>oppC</i>	plu2491_oppC	0.113	Unclassified	b3381	<i>yhfX</i>	plu1996	0.668
Translation	BU394	<i>rpsP</i>	BSG381_rpsP	0.433	Metabolism	b1334	<i>fmr</i>	plu2179_fmr	0.114	Unclassified	b1035	<i>ycdY</i>	plu2087	0.670
Translation	BU151	<i>rpsT</i>	BSG144_rpsT	0.540	Metabolism	b2779	<i>eno</i>	plu0913_eno	0.117	Unclassified	b1725	<i>2orf</i>	plu2676	0.672
Translation	BU172	<i>hemK</i>	BSG166_hemK	0.550	Metabolism	b0903	<i>pflB</i>	plu1613_pflB	0.117	Unclassified	b4144	<i>yjeI</i>	plu4132	0.674
Translation	BU232	<i>tsf</i>	BSG226_tsf	0.596	Metabolism	b2823	<i>thyA</i>	plu0623_thyA	0.117	Unclassified	b4222	<i>yjIP</i>	plu4552	0.675
Translation	BU138	<i>rplY</i>	BSG131_rplY	0.715	Metabolism	b2284	<i>nuoF</i>	plu3085_nuoF	0.119	Unclassified	b2790	<i>2orf</i>	plu0667	0.676
Transport	BU003	<i>atpE</i>	BSG003_atpE	0.053	Metabolism	b2567	<i>rnc</i>	plu3340_rnc	0.120	Unclassified	b4378	<i>yjvV</i>	plu0517	0.678
Transport	BU452	<i>yggB</i>	BSG437_yggB	0.166	Metabolism	b3733	<i>atpG</i>	plu0041_atpG	0.123	Unclassified	b3106	<i>yhaK</i>	plu3999	0.680
Transport	BU163	<i>nuoK</i>	BSG156_nuoK	0.170	Metabolism	b2525	<i>fdx</i>	plu3278_fdx	0.124	Unclassified	b2325	<i>2orf</i>	plu3186	0.680
Transport	BU155	<i>nuoB</i>	BSG148_nuoB	0.195	Metabolism	b1244	<i>oppB</i>	plu2492_oppB	0.126	Unclassified	b2912	<i>ygfA</i>	plu3604	0.689
Transport	BU156	<i>nuoCD</i>	BSG149_nuoCD	0.198	Metabolism	b3725	<i>pstB</i>	plu0217_pstB	0.127	Unclassified	b1832	<i>2orf</i>	plu2684	0.689
Transport	BU471	<i>cyoB</i>	BSG455_cyoB	0.203	Metabolism	b2235	<i>nrdB</i>	plu3053_nrdB	0.129	Unclassified	b0355	<i>yaiM</i>	plu4333	0.691
Transport	BU356	<i>ptsG</i>	BSG344_ptsG	0.205	Metabolism	b3178	<i>hflB</i>	plu4535_ftsH	0.129	Unclassified	b2188	<i>yejM</i>	plu2872	0.691
Transport	BU504	<i>secY</i>	BSG485_secY	0.232	Metabolism	b2441	<i>eutB</i>	plu2970_eutB	0.130	Unclassified	b3745	<i>yieM</i>	plu0053	0.692
Transport	BU161	<i>nuoI</i>	BSG154_nuoI	0.235	Metabolism	b0114	<i>aceE</i>	plu3623_aceE	0.130	Unclassified	b3344	<i>yheM</i>	plu0427	0.694
Transport	BU158	<i>nuoF</i>	BSG151_nuoF	0.241	Metabolism	b0118	<i>acnB</i>	plu3619_acnB	0.130	Unclassified	b0686	<i>ybfF</i>	plu3206	0.695
Transport	BU065	<i>ptsH</i>	BSG062_ptsH	0.257	Metabolism	b0171	<i>pyrH</i>	plu0674_pyrH	0.133	Unclassified	b0213	<i>yafS</i>	plu0941	0.695
Transport	BU064	<i>ptsI</i>	BSG061_ptsI	0.262	Metabolism	b2752	<i>cysD</i>	plu0709_cysD	0.137	Unclassified	b0528	<i>ybcJ</i>	plu4316	0.696
Transport	BU123	<i>ybl688</i>	BSG115_ydiK	0.264	Metabolism	b4032	<i>malG</i>	plu0460_malG	0.137	Unclassified	b2256	<i>2orf</i>	plu2657_2pbg	0.697
Transport	BU007	<i>atpG</i>	BSG007_atpG	0.278	Metabolism	b2234	<i>nrDA</i>	plu3052_nrdA	0.137	Unclassified	b0102	<i>yacF</i>	plu3642	0.699
Transport	BU217	<i>ftsW</i>	BSG211_ftsW	0.285	Metabolism	b2780	<i>pyrG</i>	plu0912_pyrG	0.138	Unclassified	b0762	<i>2orf</i>	plu1475	0.701
Transport	BU134	<i>yajC</i>	BSG126_yajC	0.298	Metabolism	b3543	<i>dppB</i>	plu0301_dppB	0.139	Unclassified	b2428	<i>yfeU</i>	plu0403	0.714
Transport	BU063	<i>crr</i>	BSG060_crr	0.303	Metabolism	b3912	<i>cpvR</i>	plu4794_cpvR	0.139	Unclassified	b3209	<i>yhbL</i>	plu4007_elbB	0.717
Transport	BU201	<i>secA</i>	BSG195_secA	0.308	Metabolism	b3236	<i>mdh</i>	plu4547_mdh	0.140	Unclassified	b3248	<i>yhdE</i>	plu4068	0.717
Transport	BU587	<i>pitA</i>	BSG566_pitA	0.317	Metabolism	b1241	<i>adhE</i>	plu2496_adhE	0.144	Unclassified	b0122	<i>yacC</i>	plu0844	0.725
Transport	BU393	<i>ffh</i>	BSG380_ffh	0.326	Metabolism	b1247	<i>oppF</i>	plu2489_oppF	0.146	Unclassified	b2471	<i>yfb</i>	plu2721	0.729
Transport	BU162	<i>nuoJ</i>	BSG155_nuoJ	0.364	Metabolism	b1602	<i>pntB</i>	plu2168_pntB	0.147	Unclassified	b2324	<i>2put</i>	plu3185	0.739
Transport	BU015	<i>yidC</i>	BSG016_yidC	0.367	Metabolism	b0437	<i>clpP</i>	plu3869_clpP	0.149	Unclassified	b2158	<i>yehH</i>	plu2856	0.749
Transport	BU160	<i>nuoH</i>	BSG153_nuoH	0.367	Metabolism	b0356	<i>adhC</i>	plu4332_adhC	0.151	Unclassified	b2909	<i>ygfB</i>	plu3602	0.757
Transport	BU009	<i>atpC</i>	BSG009_atpC	0.379	Metabolism	b3736	<i>atpF</i>	plu0044_atpF	0.153	Unclassified	b1727	<i>yniC</i>	plu2678	0.760
Transport	BU535	<i>yhfC</i>	BSG516_yhfC	0.391	Metabolism	b3831	<i>udp</i>	plu4417_udp	0.153	Unclassified	b4394	<i>yijX</i>	plu0558	0.770
Transport	BU154	<i>nuoA</i>	BSG147_nuoA	0.391	Metabolism	b2286	<i>nuoC</i>	plu3087_nuoC	0.154	Unclassified	b2745	<i>ygbO</i>	plu0715	0.772
Transport	BU157	<i>nuoE</i>	BSG150_nuoE	0.391	Metabolism	b1854	<i>pykA</i>	plu2118_pykA	0.154	Unclassified	b2674	<i>nrDI</i>	plu1286_nrdI	0.773
Transport	BU159	<i>nuoG</i>	BSG152_nuoG	0.413	Metabolism	b3189	<i>murA</i>	plu4028_murA	0.156	Unclassified	b2520	<i>2orf</i>	plu1370	0.786
Transport	BU470	<i>cyoC</i>	BSG454_cyoC	0.459	Metabolism	b3403	<i>pckA</i>	plu0100_pckA	0.156	Unclassified	b1382	<i>ynbE</i>	plu2147	0.797
Transport	BU544	<i>yhgI</i>	BSG525_yhgI	0.480	Metabolism	b2808	<i>gcvA</i>	plu0652_gcvA	0.157	Unclassified	b0239	<i>yafA</i>	plu1242	0.800
Transport	BU472	<i>cyoA</i>	BSG456_cyoA	0.487	Metabolism	b3064	<i>ygiD</i>	plu3976_gcp	0.158	Unclassified	b1113	<i>ycfS</i>	plu2616	0.800
Transport	BU317	<i>znuB</i>	BSG307_znuB	0.487	Metabolism	b1633	<i>nth</i>	plu2383_nth	0.158	Unclassified	b0699	<i>yfbA</i>	plu1423	0.806
Transport	BU572	<i>mtlA</i>	BSG552_mtlA	0.514	Metabolism	b2282	<i>nuoH</i>	plu3083_nuoH	0.160	Unclassified	b3812	<i>yigB</i>	plu4637	0.811
Transport	BU359	<i>ompF</i>	BSG347_ompF	0.517	Metabolism	b2925	<i>fbA</i>	plu0957_fbA	0.161	Unclassified	b2950	<i>yggR</i>	plu1181	0.814
Transport	BU259	<i>lepB</i>	BSG250_lepB	0.595	Metabolism	b2926	<i>pgk</i>	plu0956_pgk	0.162	Unclassified	b1836	<i>2orf</i>	plu2685	0.817
Transport	BU004	<i>atpF</i>	BSG004_atpF	0.630	Metabolism	b3541	<i>dppD</i>	plu0303_dppD	0.162	Unclassified	b3466	<i>yhbL</i>	plu4106	0.817
Transport	BU148	<i>lspA</i>	BSG141_lspA	0.672	Metabolism	b2029	<i>gnd</i>	plu1560_gnd	0.163	Unclassified	b0404	<i>yajB</i>	plu3906	0.821
Transport	BU380	<i>secG</i>	BSG367_secG	0.701	Metabolism	b3650	<i>spoT</i>	plu0272_spoT	0.163	Unclassified	b1875	<i>yecM</i>	plu2097	0.822
Transport	BU005	<i>atpH</i>	BSG005_atpH	0.749	Metabolism	b4384	<i>deoD</i>	plu0522_deoD	0.163	Unclassified	b2922	<i>yggE</i>	plu3611	0.823
Transport	BU040	<i>secE</i>	BSG041_secE	0.908	Metabolism	b3724	<i>phoU</i>	plu0218_phoU	0.166	Unclassified	b3810	<i>yigA</i>	plu4639	0.832
Unclassified	BU482	<i>ybaB</i>	BSG467_ybaB	0.057	Metabolism	b2097	<i>2orf</i>	plu2781_fbaB	0.167	Unclassified	b1060	<i>yceP</i>	plu1818	0.832
Unclassified	BU488	<i>ybeD</i>	BSG472_ybeD	0.061	Metabolism	b4260	<i>pepA</i>	plu4481_pepA	0.170	Unclassified	b1635	<i>gst</i>	plu2594_gst	0.838
Unclassified	BU556	<i>yeeX</i>	BSG538_yeeX	0.140	Metabolism	b3528	<i>dctA</i>	plu3205_dctA	0.171	Unclassified	b3099	<i>yajE</i>	plu3995	0.838
Unclassified	BUplL01	<i>repA1</i>	BSGpL01	0.207	Metabolism	b2065	<i>dcd</i>	plu1557_dcd	0.171	Unclassified	b2181	<i>yecG</i>	plu2865	0.845
Unclassified	BU274	<i>ycaA</i>	BSG263_ycaA	0.280	Metabolism	b4153	<i>frdB</i>	plu4125_frdB	0.173	Unclassified	b3826	<i>yigL</i>	plu4618	0.845
Unclassified	BU447	<i>yhhP</i>	BSG432_yhhP	0.287	Metabolism	b2296	<i>ackA</i>	plu3095_ackA	0.174	Unclassified	b0767	<i>yhbE</i>	plu1480	0.849
Unclassified	BU187	<i>ydhD</i>	BSG181_ydhD	0.296	Metabolism	b4015	<i>aceA</i>	plu4395_aceA	0.174	Unclassified	b4221	<i>yjFN</i>	plu4553	0.855
Unclassified	BU301	<i>ybgI</i>	BSG291_ybgI	0.331	Metabolism	b3164	<i>pnp</i>	plu4525_pnp	0.174	Unclassified	b1813	<i>ycaB</i>	plu2695	0.857
Unclassified	BUplL03	<i>RepA2</i>	BSGpL03	0.361	Metabolism	b0008	<i>talB</i>	plu0568_talB	0.174	Unclassified	b2803	<i>ygdD</i>	plu0653	0.871
Unclassified	BU530	<i>yheL</i>	BSG511_yheL	0.366	Metabolism	b2297	<i>pta</i>	plu3096_pta	0.175	Unclassified	b4216	<i>yjfl</i>	plu4558	0.871
Unclassified	BU553	<i>yggX</i>	BSG535_yggX	0.368	Metabolism	b3542	<i>dppC</i>	plu0302_dppC	0.178	Unclassified	b2952	<i>yggT</i>	plu1178	0.872
Unclassified	BU548	<i>yqfF</i>	BSG530_yqfF	0.372	Metabolism	b3643	<i>rph</i>	plu4870_rph	0.178	Unclassified	b0766	<i>yhbA</i>	plu1479	0.879
Unclassified	BU532	<i>yheN</i>	BSG513_yheN	0.389	Metabolism	b3941	<i>metF</i>	plu4754_metF	0.179	Unclassified	b3098	<i>yajD</i>	plu3994	0.880
Unclassified	BU371	<i>yhaR</i>	BSG359_yhaR	0.391	Metabolism	b1676	<i>pykF</i>	plu2613_pykF	0.179	Unclassified	b1586	<i>2orf</i>	plu2231	0.884
Unclassified	BU494	<i>yrdC</i>	BSG475_yrdC	0.397	Metabolism	b3781	<i>trxA</i>	plu4664_trxA	0.180	Unclassified	b2236	<i>yfaE</i>	plu3054	0.888
Unclassified	BU091	<i>yraL</i>	BSG083_yraL	0.403	Metabolism	b3726	<i>pstA</i>	plu0316_pstA	0.182	Unclassified	b1063	<i>yceB</i>	plu2088	0.894
Unclassified	BU495	<i>smg</i>	BSG476_smg	0.411	Metabolism	b0902	<i>pflA</i>	plu1612_pflA	0.184	Unclassified	b1097	<i>yceG</i>	plu2829	0.899
Unclassified	BU590	<i>cyaY</i>	BSG569_cyaY	0.412	Metabolism	b0779	<i>uvrB</i>	plu1491_uvrB	0.185	Unclassified	b3155	<i>yhbQ</i>	plu4503	0.903
Unclassified	BU117	<i>rnfG</i>	BSG109_ygdP	0.433	Metabolism	b0684	<i>fldA</i>	plu1328_fldA	0.185	Unclassified	b3199	<i>yrbK</i>	plu4038	0.915

Unclassified	BU467	<i>yccK</i>	BSG451_yccK	0.440	Metabolism	b3731	<i>atpC</i>	plu0039_atpC	0.185	Unclassified	b0443	<i>ybaW</i>	plu3863	0.924
Unclassified	BU442	<i>ybeY</i>	BSG427_ybeY	0.451	Metabolism	b0080	<i>fruR</i>	plu3664_fruR	0.186	Unclassified	b2811	<i>ygkK</i>	plu0650	0.930
Unclassified	BU028	<i>yigL</i>	BSG029_yigL	0.461	Metabolism	b0733	<i>cydA</i>	plu1449_cydA	0.188	Unclassified	b1383	<i>ydbL</i>	plu2148	0.938
Unclassified	BU531	<i>yheM</i>	BSG512_yheM	0.473	Metabolism	b4035	<i>malK</i>	plu0457_malK	0.191	Unclassified	b3866	<i>yihI</i>	plu0229	0.942
Unclassified	BU550	<i>yggW</i>	BSG532_yggW	0.494	Metabolism	b1094	<i>acpP</i>	plu2832_acpP	0.191	Unclassified	b3382	<i>yhiY</i>	plu1995	0.983
Unclassified	BU355	<i>ycfH</i>	BSG343_ycfH	0.521	Metabolism	b4383	<i>deoB</i>	plu0521_deoB	0.192	Unclassified	b0482	<i>ybaP</i>	plu3826	0.984
Unclassified	BU363	<i>ycbY</i>	BSG351_ycbY	0.524	Metabolism	b3617	<i>kbl</i>	plu4846_kbl	0.192	Unclassified	b2739	<i>ygbM</i>	plu2510	0.985
Unclassified	BU551	<i>yggH</i>	BSG533_yggH	0.570	Metabolism	b3727	<i>pstC</i>	plu0215_pstC	0.195	Unclassified	b1839	<i>zorf</i>	plu2686	0.994
Unclassified	BU254	<i>smpB</i>	BSG245_smpB	0.586	Metabolism	b1814	<i>sdaA</i>	plu2696_sdaA	0.196	Unclassified	b2575	<i>yfjC</i>	plu3348	0.995
Unclassified	BU293	<i>ybhE</i>	BSG282_ybhE	0.593	Metabolism	b4139	<i>aspA</i>	plu4137_aspA	0.196	Unclassified	b2516	<i>yfgA</i>	plu1375	0.995
Unclassified	BU586	<i>yhiQ</i>	BSG565_yhiQ	0.657	Metabolism	b4232	<i>fbp</i>	plu4550_fbp	0.197	Unclassified	b2958	<i>yggN</i>	plu1173	1.009
Unclassified	BU435	<i>ygzZ</i>	BSG420_ygzZ	0.705	Metabolism	b0720	<i>gluA</i>	plu1425_gluA	0.197	Unclassified	b3343	<i>yheL</i>	plu0428	1.009
Unclassified	BU253	<i>yjfF</i>	BSG244_yjfF	0.707	Metabolism	b0726	<i>sucA</i>	plu1430_sucA	0.198	Unclassified	b0952	<i>ymbA</i>	plu1768	1.022
Unclassified	BU181	<i>yba2</i>	BSG175_yba2	0.763	Metabolism	b4138	<i>dcuA</i>	plu4138_dcuA	0.200	Unclassified	b0946	<i>ycbW</i>	plu1759	1.023
Unclassified	BU549	<i>yggS</i>	BSG531_yggS	0.786	Metabolism	b2081	<i>yegQ</i>	plu2780	0.202	Unclassified	b3834	<i>yigP</i>	plu4412	1.024
Unclassified	BU410	<i>yggJ</i>	BSG395_yggJ	0.803	Metabolism	b3640	<i>dut</i>	plu4867_dut	0.204	Unclassified	b1205	<i>ychH</i>	plu2065	1.026
Unclassified	BU608	<i>yfgM</i>	BSG583_yfgM	0.861	Metabolism	b3926	<i>glpK</i>	plu4768_glpK	0.204	Unclassified	b0224	<i>yafK</i>	plu1195	1.027
Unclassified	BU052	<i>yibN</i>	BSG049_yibN	1.163	Metabolism	b0888	<i>trxB</i>	plu1599_trxB	0.205	Unclassified	b3154	<i>yhbP</i>	plu4501	1.047
Unclassified	BU087	<i>ytfN</i>	BSG080_ytfN	1.373	Metabolism	b3386	<i>rpe</i>	plu0086_rpe	0.205	Unclassified	b1233	<i>yhbJ</i>	plu2503	1.055
					Metabolism	b3355	<i>prkB</i>	plu0397_prkB	0.206	Unclassified	b0488	<i>ybbJ</i>	plu3822	1.059
					Metabolism	b0125	<i>hpt</i>	plu0864	0.206	Unclassified	b2737	<i>zorf</i>	plu2508	1.069
					Metabolism	b0755	<i>gpmA</i>	plu1471_gpmA	0.208	Unclassified	b3148	<i>yraN</i>	plu4003	1.084
					Metabolism	b2531	<i>zorf</i>	plu3284	0.209	Unclassified	b2314	<i>dedD</i>	plu3169_dedD	1.099
					Metabolism	b1818	<i>manY</i>	plu2698_manY	0.209	Unclassified	b1962	<i>yedJ</i>	plu0518	1.102
					Metabolism	b0914	<i>msbA</i>	plu1630_msbA	0.209	Unclassified	b2432	<i>zorf</i>	plu1386	1.102
					Metabolism	b0882	<i>clpA</i>	plu1594_clpA	0.210	Unclassified	b1915	<i>yecF</i>	plu2029	1.113
					Metabolism	b2463	<i>2put</i>	plu2719_maeB	0.211	Unclassified	b3024	<i>ygiW</i>	plu1385	1.117
					Metabolism	b3704	<i>rnpA</i>	plu4908_rnpA	0.212	Unclassified	b0838	<i>yijJ</i>	plu1572	1.139
					Metabolism	b0091	<i>murC</i>	plu3653_murC	0.212	Unclassified	b0802	<i>ybiJ</i>	plu4502	1.142
					Metabolism	b1603	<i>pntA</i>	plu2167_pntA	0.214	Unclassified	b2152	<i>yeiB</i>	plu1544	1.147
					Metabolism	b3962	<i>udhA</i>	plu4739_sthA	0.214	Unclassified	b2513	<i>zorf</i>	plu1378	1.159
					Metabolism	b4025	<i>pgi</i>	plu4379_pgi	0.215	Unclassified	b0108	<i>ppdD</i>	plu3638_ppdD	1.165
					Metabolism	b1611	<i>fumC</i>	plu2359_fumC	0.216	Unclassified	b1820	<i>zorf</i>	plu2700	1.166
					Metabolism	b0431	<i>cyoB</i>	plu3876_cyoB	0.217	Unclassified	b3529	<i>yhjK</i>	plu0305	1.183
					Metabolism	b0399	<i>phoB</i>	plu3911_phoB	0.217	Unclassified	b1583	<i>zorf</i>	plu2232	1.187
					Metabolism	b2937	<i>speB</i>	plu3680_speB	0.217	Unclassified	b3280	<i>yrdB</i>	plu4690	1.196
					Metabolism	b3916	<i>pfkA</i>	plu4774_pfkA	0.219	Unclassified	b1444	<i>2put</i>	plu2349	1.205
					Metabolism	b3540	<i>dppF</i>	plu0304_dppF	0.219	Unclassified	b0107	<i>hofB</i>	plu3639_hofB	1.205
					Metabolism	b1702	<i>ppsA</i>	plu2628_ppsA	0.219	Unclassified	b0968	<i>zorf</i>	plu1785	1.208
					Metabolism	b2424	<i>cysU</i>	plu1388_cysU	0.221	Unclassified	b3570	<i>bax</i>	plu0503_bax	1.213
					Metabolism	b2935	<i>tktA</i>	plu0946_tktA	0.226	Unclassified	b1841	<i>zorf</i>	plu2688	1.215
					Metabolism	b3893	<i>fdoH</i>	plu4888_fdoH	0.226	Unclassified	b3130	<i>yhaV</i>	plu3944	1.219
					Metabolism	b1852	<i>zwf</i>	plu2122_zwf	0.227	Unclassified	b3286	<i>smf1</i>	plu4694_smf	1.257
					Metabolism	b3750	<i>rbsC</i>	plu0057_rbsC	0.227	Unclassified	b3147	<i>yraM</i>	plu4002	1.273
					Metabolism	b3919	<i>tpiA</i>	plu4772_tpiA	0.230	Unclassified	b1105	<i>ycjM</i>	plu2824	1.307
					Metabolism	b4173	<i>hflX</i>	plu4580_hflX	0.231	Unclassified	b1381	<i>ydbH</i>	plu2146	1.315
					Metabolism	b2538	<i>hcaA1</i>	plu2204_hcaE	0.231	Unclassified	b1007	<i>zorf</i>	plu0974_hpaC	1.335
					Metabolism	b1109	<i>ndh</i>	plu2821_ndh	0.232	Unclassified	b2080	<i>zorf</i>	plu2779	1.353
					Metabolism	b1291	<i>sapD</i>	plu2590_sapD	0.235	Unclassified	b1376	<i>ynaF</i>	plu2032	1.361
					Metabolism	b4069	<i>acs</i>	plu0074_acs	0.237	Unclassified	b2263	<i>yfbB</i>	plu3072	1.368
					Metabolism	b4238	<i>nrdD</i>	plu4499_nrdD	0.237	Unclassified	b0442	<i>ybaV</i>	plu3864	1.418
					Metabolism	b2938	<i>speA</i>	plu3681_speA	0.238	Unclassified	b3054	<i>ygiF</i>	plu3970	1.428
					Metabolism	b0727	<i>sucB</i>	plu1431_sucB	0.240	Unclassified	b3920	<i>yiiQ</i>	plu4771	1.429
					Metabolism	b0477	<i>gsk</i>	plu3833_gsk	0.243	Unclassified	b3459	<i>yhhK</i>	plu4099	1.444
					Metabolism	b2903	<i>gcvP</i>	plu3596_gcvP	0.244	Unclassified	b0877	<i>ybjX</i>	plu3988	1.511
					Metabolism	b1246	<i>oppD</i>	plu2490_oppD	0.245	Unclassified	b3239	<i>yhcO</i>	plu4062	1.523
					Metabolism	b3911	<i>cpxA</i>	plu4795_cpxA	0.246	Unclassified	b3688	<i>yidQ</i>	plu0289	1.547
					Metabolism	b2784	<i>relA</i>	plu0910_relA	0.247	Unclassified	b0483	<i>ybaQ</i>	plu1812	1.566
					Metabolism	b3052	<i>2put</i>	plu3968_rfaE	0.249	Unclassified	b2792	<i>zorf</i>	plu0664	1.622
					Metabolism	b2501	<i>ppk</i>	plu2763_ppk	0.249	Unclassified	b2896	<i>zorf</i>	plu3554	1.630
					Metabolism	b2914	<i>rpiA</i>	plu3606_rpiA	0.250	Unclassified	b3817	<i>yigF</i>	plu3955	1.657
					Metabolism	b0334	<i>prpD</i>	plu3540_prpD	0.251	Unclassified	b2934	<i>cmtB</i>	plu1979_sgcA	1.660
					Metabolism	b0183	<i>rnhB</i>	plu0686_rnhB	0.251	Unclassified	b2162	<i>yeiK</i>	plu4289_iunH	1.680
					Metabolism	b2763	<i>cysI</i>	plu0704_cysI	0.251	Unclassified	b1626	<i>zorf</i>	plu2376	1.684
					Metabolism	b3608	<i>gpsA</i>	plu4838_gpsA	0.253	Unclassified	b3615	<i>yibD</i>	plu4290	1.704
					Metabolism	b1913	<i>uvrC</i>	plu2027_uvrC	0.254	Unclassified	b4001	<i>yjaH</i>	plu0493	1.731
					Metabolism	b2277	<i>nuoM</i>	plu3078_nuoM	0.255	Unclassified	b4012	<i>yjaB</i>	plu3511	1.731

Metabolism	b0113	<i>pdhR</i>	plu3624_pdhR	0.256	Unclassified	b1461	<i>ydcE</i>	plu2181	1.733
Metabolism	b3544	<i>dppA</i>	plu0300_dppA	0.260	Unclassified	b0225	<i>yafQ</i>	plu1326	1.752
Metabolism	b0120	<i>speD</i>	plu0842_speD	0.260	Unclassified	b0913	<i>ycal</i>	plu1629	1.755
Metabolism	b0331	<i>prpB</i>	plu3542_prpB	0.264	Unclassified	b3191	<i>yrbB</i>	plu4030	1.778
Metabolism	b1290	<i>sapF</i>	plu2591_sapF	0.264	Unclassified	b0458	<i>ytaC</i>	plu1841	1.798
Metabolism	b0084	<i>ftsI</i>	plu3660_ftsI	0.264	Unclassified	b1614	<i>ydgA</i>	plu2361	1.819
Metabolism	b1819	<i>manZ</i>	plu2699_manZ	0.264	Unclassified	b3655	<i>yicH</i>	plu0245	1.840
Metabolism	b3751	<i>rbsB</i>	plu0058_rbsB	0.266	Unclassified	b2555	<i>yfhG</i>	plu3312	1.858
Metabolism	b0333	<i>prpC</i>	plu3541_prpC	0.274	Unclassified	b3378	<i>yhfU</i>	plu1998	1.950
Metabolism	b2278	<i>nuoL</i>	plu3079_nuoL	0.276	Unclassified	b4182	<i>yjfJ</i>	plu4313	1.969
Metabolism	b4381	<i>deoC</i>	plu0520_deoC	0.276	Unclassified	b0959	<i>zorf</i>	plu1777	1.975
Metabolism	b3749	<i>rbsA</i>	plu0056_rbsA	0.276	Unclassified	b0106	<i>hofC</i>	plu3640_hofC	2.024
Metabolism	b3735	<i>atpH</i>	plu0043_atpH	0.276	Unclassified	b0233	<i>yafO</i>	plu3150	2.041
Metabolism	b2066	<i>udk</i>	plu1556_udk	0.276	Unclassified	b2757	<i>zorf</i>	plu0749	2.047
Metabolism	b1677	<i>lpp</i>	plu2615_lpp	0.278	Unclassified	b1177	<i>ycgJ</i>	plu0392	2.051
Metabolism	b3869	<i>ghnL</i>	plu0236_ghnL	0.278	Unclassified	b4011	<i>yjaA</i>	plu3416	2.062
Metabolism	b3728	<i>pstS</i>	plu0214_pstS	0.281	Unclassified	b1774	<i>ydjJ</i>	plu1960	2.067
Metabolism	b0207	<i>yafB</i>	plu1527_dkgB	0.283	Unclassified	b1301	<i>ordL</i>	plu4287	2.130
Metabolism	b2168	<i>fruK</i>	plu2858_fruK	0.283	Unclassified	b1106	<i>ycfN</i>	plu2823	2.183
Metabolism	b0115	<i>aceF</i>	plu3622_aceF	0.284	Unclassified	b1012	<i>zorf</i>	plu3815	2.209
Metabolism	b2416	<i>ptsI</i>	plu1393_ptsI	0.285	Unclassified	b1314	<i>2put</i>	plu0727	2.253
Metabolism	b1651	<i>gloA</i>	plu2602_gloA	0.288	Unclassified	b3220	<i>yhcG</i>	plu1075	2.467
Metabolism	b1749	<i>xthA</i>	plu2549_xthA	0.291	Unclassified	b4158	<i>yjeO</i>	plu0979	2.509
Metabolism	b0082	<i>yabC</i>	plu3662_mraW	0.291	Unclassified	b2825	<i>ppdB</i>	plu0627_ppdB	2.642
Metabolism	b4014	<i>aceB</i>	plu4396_aceB	0.294	Unclassified	b0626	<i>ybeM</i>	plu4065	2.656
Metabolism	b0221	<i>yafH</i>	plu1192	0.294	Unclassified	b4181	<i>yjfl</i>	plu4314	2.726
Metabolism	b2393	<i>nupC</i>	plu1399_nupC	0.294	Unclassified	b4183	<i>yjfk</i>	plu4312	2.797
Metabolism	b2905	<i>gevT</i>	plu3598_gevT	0.295	Unclassified	b1464	<i>yddE</i>	plu2271	2.848
Metabolism	b1014	<i>putA</i>	plu1957_putA	0.299	Unclassified	b3070	<i>yqjH</i>	plu2040	2.861
Metabolism	b3202	<i>rpoN</i>	plu4041_rpoN	0.301	Unclassified	b2758	<i>zorf</i>	plu0748	2.873
Metabolism	b3845	<i>fadA</i>	plu4403_fadA	0.302	Unclassified	b3262	<i>yhdJ</i>	plu3462	2.907
Metabolism	b3423	<i>glpR</i>	plu0195_glpR	0.302	Unclassified	b3395	<i>yrfD</i>	plu0094	3.060
Metabolism	b1020	<i>phoH</i>	plu2039_phoH	0.303	Unclassified	b2761	<i>ygcB</i>	plu0745	3.098
Metabolism	b4233	<i>yjfG</i>	plu4549_mpl	0.304	Unclassified	b1762	<i>zorf</i>	plu4372	3.222
Metabolism	b4395	<i>gpmB</i>	plu0559_gpmB	0.305	Unclassified	b1408	<i>2pro</i>	plu4777	3.507
Metabolism	b3917	<i>sbp</i>	plu4773_sbp	0.306	Unclassified	b3441	<i>yhhY</i>	plu0525	3.746
Metabolism	b2562	<i>yfhL</i>	plu3335	0.307	Unclassified	b3394	<i>yrfC</i>	plu0093	3.821
					Unclassified	b2760	<i>zorf</i>	plu0746	3.931
					Unclassified	b4211	<i>yifG</i>	plu2351	4.304
					Unclassified	b2108	<i>yehA</i>	plu0504	4.365
					Unclassified	b3482	<i>rhsB</i>	plu3120	4.383

**Supplementary Table S4. Proteins with three-fold or greater rate acceleration in *B. floridanus* compared to *B. pennsylvanicus*.** Shaded cells mark calculations for which high protein divergences (>2) may decrease the reliability of rate comparisons.

Gene	Prot. div. (Bpenn vs. Bflor)	Prot. div. (EC vs. Bflor)	Prot. div. (EC vs. Bpenn)	fold-increase in B.flor
<i>znuB</i>	0.398	3.315	2.928	65.96
<i>tolA</i>	1.737	5.074	3.501	20.22
<i>secG</i>	0.729	2.038	1.384	18.75
<i>ispE</i>	1.495	2.396	1.096	14.39
<i>rpsJ</i>	0.092	0.142	0.062	13.78
<i>rpsR</i>	0.340	0.604	0.311	13.34
<i>rmpA</i>	0.515	1.538	1.111	10.66
<i>suhB</i>	0.997	2.035	1.221	9.91
<i>rplO</i>	0.419	0.783	0.464	7.42
<i>groES</i>	0.053	0.184	0.145	6.94
<i>nusB</i>	0.658	1.222	0.737	6.66
<i>yrbK</i>	1.419	2.922	1.892	6.28
<i>lpxC</i>	0.456	0.651	0.326	6.01
<i>sufS</i>	0.434	1.033	0.731	5.59
<i>lolA</i>	1.108	2.050	1.309	5.04
<i>yhbG</i>	0.419	0.775	0.497	4.92
<i>acpP</i>	0.146	0.229	0.134	4.68
<i>dsbB</i>	1.027	1.550	0.909	4.32
<i>zur</i>	0.477	1.113	0.825	4.05
<i>ycaR</i>	1.104	1.408	0.743	4.04
<i>mraY</i>	0.896	1.151	0.613	4.01
<i>nusG</i>	0.206	0.320	0.197	3.96
<i>yjgP</i>	1.192	2.649	1.940	3.94
<i>sdhD</i>	1.039	2.486	1.875	3.85
<i>dxr</i>	0.797	1.411	0.946	3.81
<i>rplN</i>	0.174	0.303	0.204	3.64
<i>rplU</i>	0.652	1.399	1.029	3.61
<i>ispB</i>	0.429	0.882	0.642	3.55
<i>rpsU</i>	0.171	0.269	0.173	3.54
<i>sufD</i>	0.794	1.971	1.528	3.52
<i>ybeB</i>	0.998	1.280	0.733	3.43
<i>fumC</i>	0.433	0.671	0.439	3.30
<i>ytjF</i>	0.467	1.331	1.083	3.25
<i>valS</i>	0.690	1.095	0.734	3.20
<i>yjeE</i>	0.948	1.548	1.051	3.20
<i>nlpD</i>	1.094	2.073	1.499	3.20
<i>lpp</i>	0.830	1.461	1.027	3.19
<i>rfaF</i>	0.768	1.324	0.927	3.15
<i>ygfA</i>	0.750	1.728	1.340	3.14
<i>ubiG</i>	0.683	1.132	0.779	3.14
<i>carA</i>	0.445	0.701	0.472	3.11
<i>cca</i>	0.595	1.178	0.875	3.08
<i>pabA</i>	0.441	0.822	0.597	3.08
<i>prlC</i>	0.931	1.482	1.008	3.07
<i>gpmA</i>	0.477	0.866	0.625	3.05
<i>rplK</i>	0.525	0.663	0.401	3.00

**Supplementary Table S5. Average protein divergences across functional categories, calculated between two *Blochmannia* genomes, two *Buchnera* genomes, and *E. coli* vs. *P. luminescens*.** 99% confidence intervals were determined by a resampling approach (see Methods). *Blochmannia*, *Buchnera* and *E. coli*- *P. luminescens* showed similar relative divergences across many functional categories. Namely, unclassified and hypothetical genes, loci for surface structures, and cell membrane components are relatively divergent across groups, while genes for cofactor biosynthesis, information transfer, cell processes, metabolism, and information transfer have moderate divergence levels, and genes for nucleotide biosynthesis and amino acid biosynthesis are relatively conserved. Differences among pairs included relatively high divergence of chaperonins and fatty acid biosynthetic genes in *Buchnera*, and the conservation of regulation genes in both endosymbionts. In *Blochmannia*, genes for translation are slightly more divergent, largely due to high divergence of *rplW*, *rplJ*, and *rplY*. Numbers of genes per category differ slightly from the functional annotation due to trimming procedure to reduce overlap in assignments among key functional categories (see Methods). The null hypothesis of no difference among categories was tested by calculating sum of absolute deviations from the grand mean across 1000 "shuffled" data sets (created by resampling without replacement). For each comparison, the empirical value of this sum exceeded any of the 1000 resampled data sets, indicating overall significant differences among functional categories  $p < 0.001$  level.

	Mean prot. div.	1% CI <sup>1</sup>	99% CI
<i>B. pennsylvanicus</i> - <i>B. floridanus</i>			
Fatty Acid Biosyn.	0.379	0.254	0.510
Regulation	0.447	0.311	0.596
Amino Acid Biosyn.	0.448	0.400	0.504
Translation	0.463	0.390	0.528
Chaperonins	0.481	0.293	0.701
Nucleotide Biosyn.	0.495	0.365	0.624
Cell processes	0.538	0.447	0.635
Metabolism <sup>2</sup>	0.547	0.502	0.603
Info. Transfer <sup>3</sup>	0.573	0.518	0.636
Transport	0.575	0.504	0.649
Cofactor Biosyn.	0.586	0.502	0.680
Cell Membr. & Peptidogly.	0.642	0.573	0.714
Surface Structures	0.725	0.533	0.991
Unclassified	0.775	0.667	0.898
<i>Buchnera</i> APS-SG			
Translation	0.222	0.178	0.270
Regulation	0.283	0.167	0.410
Nucleotide Biosyn.	0.308	0.190	0.433
Amino Acid Biosyn.	0.318	0.278	0.358
Cell processes	0.361	0.278	0.438

Transport	0.376	0.312	0.444
Metabolism <sup>2</sup>	0.381	0.334	0.429
Info. Transfer <sup>3</sup>	0.415	0.354	0.481
Cofactor Biosyn.	0.421	0.369	0.480
Cell Membr. & Peptidogly.	0.456	0.388	0.530
Unclassified	0.497	0.403	0.603
Fatty Acid Biosyn.	0.537	0.384	0.684
Chaperonins	0.546	0.334	0.773
Surface Structures	0.709	0.532	0.923

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*E. coli* - *P. luminescens*

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Translation	0.140	0.105	0.179
Nucleotide Biosyn.	0.278	0.220	0.348
Fatty Acid Biosyn.	0.305	0.232	0.393
Amino Acid Biosyn.	0.432	0.347	0.555
Chaperonins	0.534	0.389	0.692
Cofactor Biosyn.	0.555	0.486	0.634
Info. Transfer <sup>3</sup>	0.564	0.490	0.657
Cell processes	0.623	0.528	0.719
Metabolism <sup>2</sup>	0.626	0.557	0.701
Regulation	0.732	0.610	0.856
Transport	0.742	0.637	0.863
Cell Membr. & Peptidogly.	0.794	0.694	0.893
Surface Structures	0.873	0.733	1.023
Unclassified	0.880	0.794	0.971
Tn-Related	0.980	0.553	1.477

<sup>1</sup>Confidence Interval

<sup>2</sup>Metabolism excludes certain biosynthetic functions listed separately

<sup>3</sup>Information Transfer excludes Translation listed separately