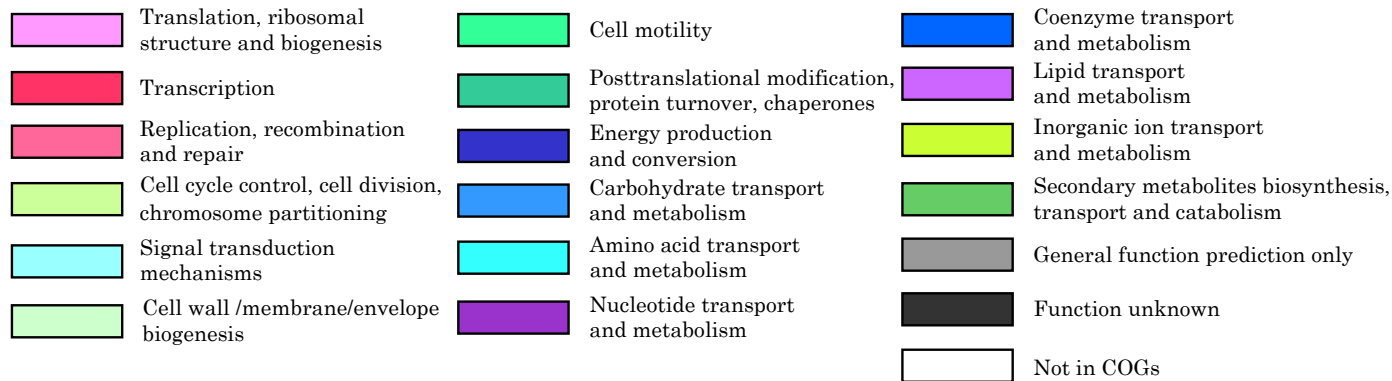
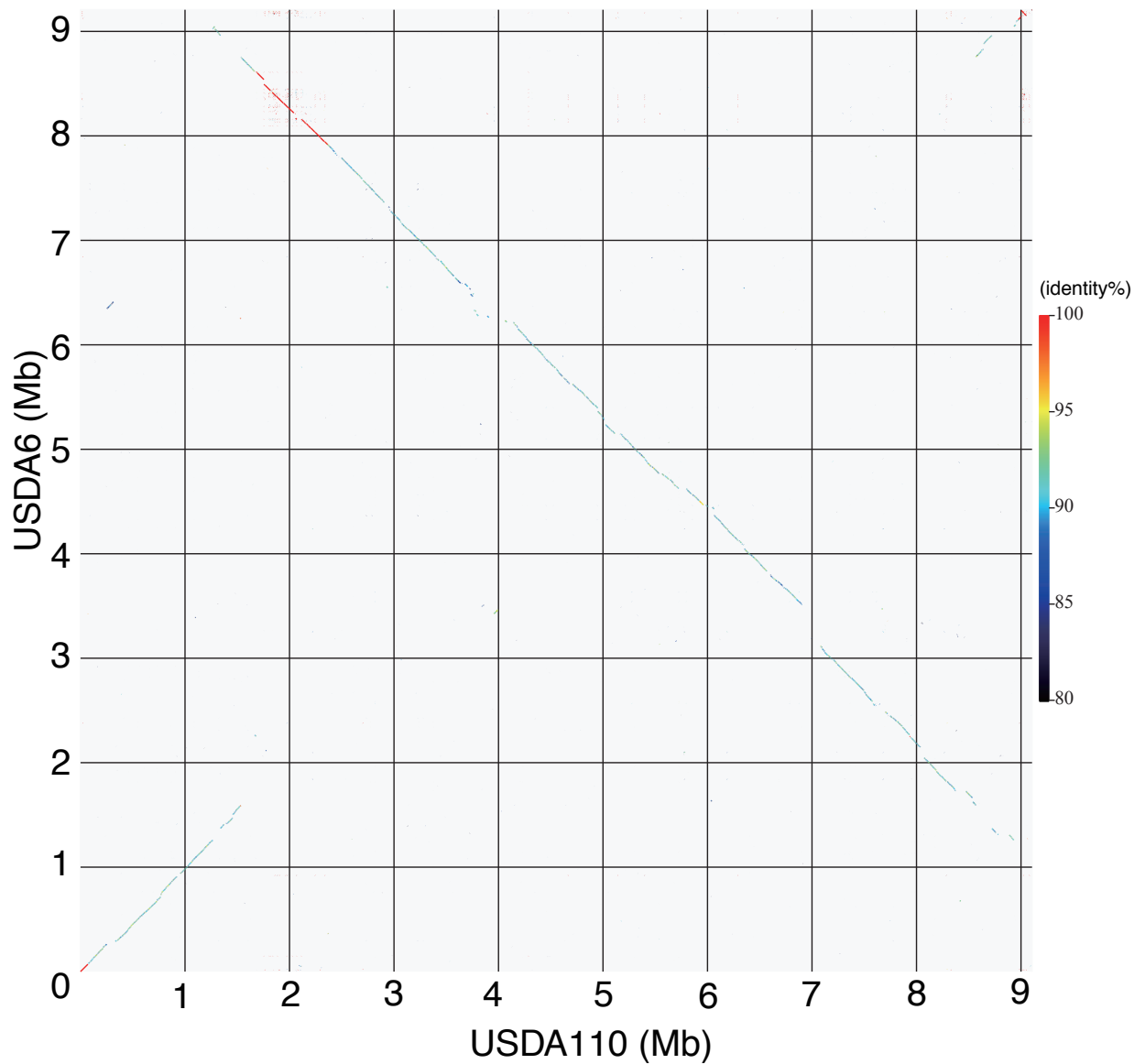




Supplemental Figure 1. Color codes for functional categories of the predicted proteins. The bars showing the positions of the putative protein-encoding genes are arranged on two circular representations depicted in Figure 1. The bars are represented by 18 colors, based on Clusters of Orthologous Groups (COG) assignments.



Supplemental Figure 2. Dot plot of a BLASTN comparison of strains USDA110 and USDA6 whole-genome sequences. Horizontal axis: position on the USDA110 genome sequence (Mb); vertical axis: position on the USDA6 genome sequence (Mb). Colors indicate the % nucleotide identity in the alignment output by BLASTN, according to the scale on the right.

Supplemental Table1 List of all predicted genes for each locus A, B, C (putative symbiosis island)

	gene_ID(locus_tag)	left_position	right_position	direction	COG_category	product_name	gene_name	USDA110gene
locusB	BJ6T21770	2248480	2249811	+	L	COG0582	probable site-specific integrase/recombinase	blI7217
locusB	BJ6T21780	2249756	2250121	−			hypothetical protein	blr7216
locusB	BJ6T21790	2250440	2250811				hypothetical protein	
locusB	BJ6T21800	2250774	2251244	+			hypothetical protein	blI7214
locusB	BJ6T21810	2251291	2251500	+			hypothetical protein	blI7214
locusB	BJ6T21820	2251789	2251974				hypothetical protein	
locusB	BJ6T21830	2252197	2252640	+	R	COG0824	hypothetical protein	blI7212
locusA	BJ6T76650	7920139	7921173	+			hypothetical protein	blI2187
locusA	BJ6T76660	7921170	7921550	+			hypothetical protein	blI2186
locusA	BJ6T76670	7921602	7922600	+	R	COG1204	hypothetical protein	blI2185
locusA	BJ6T76680	7922645	7923088	+			hypothetical protein	blI2184
locusA	BJ6T76690	7923107	7923403	+			hypothetical protein	bsI2183
locusA	BJ6T76700	7924049	7924279	+			hypothetical protein	bsI2182
locusA	BJ6T76710	7924332	7924493	+			hypothetical protein	bsI2181
locusA	BJ6T76720	7924527	7925723	−	T	COG0642	hypothetical protein	blr2180
locusA	BJ6T76730	7926093	7926326	+	T	COG0784	hypothetical protein	bsI2179
locusA	BJ6T76740	7926765	7928447	−	T	COG0642	two-component hybrid sensor and regulator	blr2178
locusA	BJ6T76750	7928434	7929954	−	T	COG0467	hypothetical protein	blr2177
locusA	BJ6T76760	7930165	7932159	+	T	COG2202	two-component hybrid sensor and regulator	blI2176
locusA	BJ6T76770	7932265	7932450	+			hypothetical protein	bsI2175
locusA	BJ6T76780	7932667	7933611	−	C	COG1012	malonic semialdehyde oxidative decarboxylase	blI2174
locusA	BJ6T76790	7933658	7934128	+	N	COG3839	hypothetical protein	blI2173
locusA	BJ6T76800	7934163	7935053	+	G	COG3386	hypothetical protein	blI2172
locusA	BJ6T76810	7935099	7936898	−	S	COG1593	probable ABC transporter permease protein	blr2171
locusA	BJ6T76820	7936988	7938013	−	G	COG1638	probable ABC transporter substrate-binding protein	blr2170
locusA	BJ6T76830	7938207	7939217	−	G	COG0021	putative transketolase beta subunit protein	blr2169
locusA	BJ6T76840	7939214	7940065	−	G	COG0021	putative transketolase alpha subunit protein	blr2168
locusA	BJ6T76850	7940090	7940854	−	Q	COG1028	oxidoreductase	blr2167
locusA	BJ6T76860	7940948	7941844	+	K	COG0583	transcriptional regulatory protein LysR family	blI2166
locusA	BJ6T76870	7942516	7942719				hypothetical protein	
locusA	BJ6T76880	7943146	7943448				hypothetical protein	
locusA	BJ6T76890	7944452	7945657	+	L	COG3328	putative transposase	blI2163
locusA	BJ6T76900	7945889	7946038	+	S	COG2135	hypothetical protein	blI2162
locusA	BJ6T76910	7946120	7946371				hypothetical protein	
locusA	BJ6T76920	7946490	7947707	−	I	COG1835	hypothetical protein	blr2157
locusA	BJ6T76930	7947973	7948221	−			hypothetical protein	blr2156
locusA	BJ6T76940	7948728	7949024				hypothetical protein	
locusA	BJ6T76950	7949218	7949448	+			hypothetical protein	blI2154
locusA	BJ6T76960	7949770	7950306	−			hypothetical protein	blr2153
locusA	BJ6T76970	7950962	7951186	−	L	COG2801	hypothetical protein	bsr2152
locusA	BJ6T76980	7951219	7951428	−	L	COG2801	hypothetical protein	bsr2151
locusA	BJ6T76990	7951448	7952350	−			hypothetical protein	blr2150
locusA	BJ6T77000	7952337	7953896	−			hypothetical protein	blr2149
locusA	BJ6T77010	7954039	7955046	−	H	COG0142	farnesyl diphosphate synthase	blI2148
locusA	BJ6T77020	7955192	7956535	−	Q	COG2124	cytochrome P-450 BJ-4	CYP117
locusA	BJ6T77030	7956535	7957380	−	Q	COG1028	dehydrogenase	blr2146
locusA	BJ6T77040	7957385	7957675		Q	COG1028	hypothetical protein	
locusA	BJ6T77050	7957677	7958966	−	Q	COG2124	cytochrome P-450 BJ-3	CYP114
locusA	BJ6T77060	7959061	7960266	−	Q	COG2124	cytochrome P-450 BJ-1	CYP112
locusA	BJ6T77070	7960283	7960588	−	Q	COG2124	similar to cytochrome P450-family protein	blr2143
locusA	BJ6T77080	7960811	7961248	+			hypothetical protein	blI2142
locusA	BJ6T77090	7961360	7961896	+			hypothetical protein	blI2141
locusA	BJ6T77100	7961839	7962654	−			hypothetical protein	blr2140
locusA	BJ6T77110	7963053	7963466	+	L	COG2963	putative transposase	blI2139
locusA	BJ6T77120	7963677	7964897	+	L	COG0582	probable site-specific integrase/recombinase	blI2138
locusA	BJ6T77130	7964897	7965517	+	L	COG0582	putative integrase/recombinase protein	blI2137
locusA	BJ6T77140	7966446	7967579	−	K	COG1167	putative aminotransferase	blr2136
locusA	BJ6T77150	7967599	7969176	−	J	COG0143	hypothetical protein	blr2135
locusA	BJ6T77160	7969178	7969507	−			hypothetical protein	blr2134
locusA	BJ6T77170	7969532	7970311	−			hypothetical protein	blr2133
locusA	BJ6T77180	7970277	7971581	−			hypothetical protein	blr2132
locusA	BJ6T77190	7971578	7973080	−	Q	COG3486	probable oxygenase	blr2131
locusA	BJ6T77200	7973249	7973452				hypothetical protein	
locusA	BJ6T77210	7973516	7973836	−	N	COG3505	similar to conjugal transfer protein traG	blr2130
locusA	BJ6T77220	7973946	7974182	−	N	COG3505	hypothetical protein	bsr2129
locusA	BJ6T77230	7974622	7975125	+			hypothetical protein	blI2128
locusA	BJ6T77240	7975361	7975645	−			hypothetical protein	bsr2127
locusA	BJ6T77250	7975630	7976214	+			hypothetical protein	blI2126
locusA	BJ6T77260	7976508	7977425	+	Q	COG2175	probable dioxygenase	blI2125
locusA	BJ6T77270	7978337	7979092	−			hypothetical protein	blr2124
locusA	BJ6T77280	7979116	7979682	−	O	COG0265	hypothetical protein	blr2123
locusA	BJ6T77290	7979840	7980010				hypothetical protein	
locusA	BJ6T77300	7980385	7980669	−			hypothetical protein	blr2122
locusA	BJ6T77310	7981383	7981790	+			hypothetical protein	blI2121
locusA	BJ6T77320	7981926	7982132	+	K	COG1278	cold shock protein	cspA
locusA	BJ6T77330	7982427	7982957	−	P	COG3703	probable cation transport protein	blr2119
locusA	BJ6T77340	7983003	7983572	−			hypothetical protein	blr2118
locusA	BJ6T77350	7983686	7985026				hypothetical protein	
locusA	BJ6T77360	7985058	7986974				hypothetical protein	
locusA	BJ6T77370	7986981	7987529				hypothetical protein	
locusA	BJ6T77380	7987673	7988797	−			hypothetical protein	blr2115
locusA	BJ6T77390	7988810	7989130	−			hypothetical protein	blr2114
locusA	BJ6T77400	7989127	7989501	−			hypothetical protein	blr2113
locusA	BJ6T77410	7989926	7990156	+			hypothetical protein	bsI2112
locusA	BJ6T77420	7990297	7990569	−			hypothetical protein	bsr2110
locusA	BJ6T77430	7991408	7992091	+	T	COG0664	transcriptional regulatory protein Crp family	blI2109
locusA	BJ6T77440	7993713	8002292	−	Q	COG1020	probable peptide synthetase	blr2108
locusA	BJ6T77450	8002271	8002942	−	Q	COG1020	probable peptide synthetase	blr2108
locusA	BJ6T77460	8003516	8004064	+			hypothetical protein	blI2107
locusA	BJ6T77470	8004189	8004479	−			L-ectoine synthase	ectC
locusA	BJ6T77480	8005309	8005587	−			hypothetical protein	bsr2105
locusA	BJ6T77490	8005984	8006187				hypothetical protein	
locusA	BJ6T77500	8006533	8006733	−			hypothetical protein	blI2104
locusA	BJ6T77510	8007402	8007761	−			hypothetical protein	blr2103
locusA	BJ6T77520	8007774	8008625	−	H	COG0414	pantoate---beta-alanine ligase	panC
locusA	BJ6T77530	8008629	8009525	−	H	COG0413	3-methyl-2-oxobutanoate hydroxymethyltransferase	panB
locusA	BJ6T77540	8009542	8009859	−			hypothetical protein	blr2100
locusA	BJ6T77550	8009875	8010084				hypothetical protein	
locusA	BJ6T77560	8010753	8011946	−	H	COG0161	adenosylmethionine-8-amino-7-oxononanoate aminotransferase	bioA
locusA	BJ6T77570	8012015	8012650	−	H	COG0132	dethiobiotin synthase	bioD
locusA	BJ6T77580	8012647	8013801	−	H	COG0156	8-amino-7-oxononanoate synthase	bioF
locusA	BJ6T77590	8013878	8014216	−	H	COG0853	aspartate 1-decarboxylase precursor	panD
locusA	BJ6T77600	8014281	8015276	−	H	COG0502	biotin synthetase	bioB
locusA	BJ6T77610	8015643	8016026	+	K	COG1802	transcriptional regulatory protein GntR family	blI2094

locusA	BJ6T77620	8016162	8016479	+			hypothetical protein		bl 2093
locusA	BJ6T77630	8016618	8018027	+	E	COG0147	para-aminobenzoate synthase component I	<i>pabB</i>	bl 2092
locusA	BJ6T77640	8018024	8018620	+	E	COG0512	para-aminobenzoate synthase glutamine amidotransferase component II	<i>pabA</i>	bl 2091
locusA	BJ6T77650	8019291	8019764	-			hypothetical protein		bl 2089
locusA	BJ6T77660	8019761	8020048	-			hypothetical protein		bsr 2088
locusA	BJ6T77670	8020064	8020273				hypothetical protein		
locusA	BJ6T77680	8020458	8023187	+			hypothetical protein		bl 2087
locusA	BJ6T77690	8023858	8024025	+			hypothetical protein		bsl 2086
locusA	BJ6T77700	8024326	8025558	+			hypothetical protein		bl 2085
locusA	BJ6T77710	8025666	8026001				hypothetical protein		
locusA	BJ6T77720	8026159	8027496	-	E	COG0174	putative glutamine synthetase		bl 2084
locusA	BJ6T77730	8027496	8028782	-	I	COG0439	hypothetical protein		bl 2083
locusA	BJ6T77740	8028779	8029681	-			hypothetical protein		bl 2082
locusA	BJ6T77750	8029812	8030483	-	R	COG2071	putative amidotransferase subunit		bl 2081
locusA	BJ6T77760	8030624	8031682	-	I	COG3239	putative dihydrorhizobitoxine desaturase	<i>rtxC</i>	bl 2080
locusA	BJ6T77770	8031714	8034125	-	E	COG2873	rtxA homolog		bl 2077
locusA	BJ6T77780	8034731	8035060	+			hypothetical protein		bl 2075
locusA	BJ6T77790	8035872	8036165	-			NoeE homolog		bl 2074
locusA	BJ6T77800	8036589	8036840	-			hypothetical protein		bl 2073
locusA	BJ6T77810	8037915	8038100				hypothetical protein		
locusA	BJ6T77820	8038116	8038472				hypothetical protein		
locusA	BJ6T77830	8039209	8039460	-			hypothetical protein		bsr 2072
locusA	BJ6T77840	8040258	8040623	-			similar to inosamine-phosphate amidinotransferas		bl 2071
locusA	BJ6T77850	8040633	8040854				hypothetical protein		
locusA	BJ6T77860	8041484	8041672				hypothetical protein		
locusA	BJ6T77870	8044069	8046414	-	E	COG0620	5-methyltetrahydropteroyltriglutamate-homocysteine S-methyltransferase	<i>metE</i>	bl 2068
locusA	BJ6T77880	8046513	8046788				hypothetical protein		
locusA	BJ6T77890	8047705	8048430	+			nodulate formation efficiency C protein	<i>nfeC</i>	bl 2067
locusA	BJ6T77900	8049565	8050278	+	L	COG1525	hypothetical protein		bl 2066
locusA	BJ6T77910	8050287	8051030	+	P	COG0288	carbonic anhydrase	<i>icfA</i>	bl 2065
locusA	BJ6T77920	8051397	8051675	+			hypothetical protein		bsl 2064
locusA	BJ6T77930	8052927	8054093	+	I	COG1960	phenolhydroxylase homolog	<i>nrgC</i>	bl 2063
locusA	BJ6T77940	8054916	8055563	-	Q	COG0500	nodulation protein	<i>noeI</i>	bl 2062
locusA	BJ6T77950	8056514	8056828	+	O	COG0234	GroES3 chaperonin	<i>groES3</i>	bl 2060
locusA	BJ6T77960	8056913	8058553	+	O	COG0459	GroEL3 chaperonin	<i>groEL3</i>	bl 2059
locusA	BJ6T77970	8059793	8060308	-			hypothetical protein		bl 2058
locusA	BJ6T77980	8061701	8061862				hypothetical protein		
locusA	BJ6T77990	8062802	8063407	-	L	COG3547	hypothetical protein		bl 2055
locusA	BJ6T78000	8063370	8063846	-	L	COG3547	hypothetical protein		bl 2055
locusA	BJ6T78010	8063936	8064823	-	L	COG2801	putative transposase		bl 2054
locusA	BJ6T78020	8064786	8065040	-	L	COG2801	putative transposase		bl 2053
locusA	BJ6T78030	8065217	8066461	-	L	COG3344	probable maturase; reverse transcriptase		bl 2052
locusA	BJ6T78040	8067970	8068203	-			hypothetical protein		bsr 2051
locusA	BJ6T78050	8068671	8068970	+			hypothetical protein		bsl 2050
locusA	BJ6T78060	8069400	8070413	+	E	COG0547	anthranilate phosphoribosyltransferase	<i>trpD</i>	bl 2049
locusA	BJ6T78070	8070653	8070838	+			hypothetical protein		bsl 2048
locusA	BJ6T78080	8071251	8071616	+			hypothetical protein		bl 2047
locusA	BJ6T78090	8071967	8072746	+			hypothetical protein		bl 2046
locusA	BJ6T78100	8072774	8074084	+			hypothetical protein		bl 2045
locusA	BJ6T78110	8074623	8075021				hypothetical protein		
locusA	BJ6T78120	8075565	8076242	-			hypothetical protein		bl 2042
locusA	BJ6T78130	8076227	8077378	-	S	COG3791	hypothetical protein		bl 2041
locusA	BJ6T78140	8077465	8077845	+			hypothetical protein		bl 2040
locusA	BJ6T78150	8078055	8078456	-			hypothetical protein		bl 2039
locusA	BJ6T78160	8078589	8079455	-	C	COG2086	electron transfer flavoprotein beta chain	<i>fixA</i>	bl 2038
locusA	BJ6T78170	8079973	8081721	-	K	COG3604	nif-specific regulatory protein	<i>nifA</i>	bl 2037
locusA	BJ6T78180	8081974	8082810	-	Q	COG1028	oxidoreductase	<i>fixR</i>	bl 2036
locusA	BJ6T78190	8083539	8084117	-			NodZ protein	<i>nodZ</i>	bl 2035
locusA	BJ6T78200	8084817	8086439	-	O	COG2192	NolO protein	<i>nolO</i>	bl 2034
locusA	BJ6T78210	8086460	8086843	-	O	COG2192	NolN protein	<i>nolN</i>	bl 2033
locusA	BJ6T78220	8086893	8087066	-			hypothetical protein	<i>nolM</i>	bsr 2032
locusA	BJ6T78230	8087099	8087887	-	R	COG0842	NodJ protein	<i>nodJ</i>	bl 2031
locusA	BJ6T78240	8087891	8088805	-	Q	COG1131	transporter of Nod factors	<i>nodI</i>	bl 2030
locusA	BJ6T78250	8088813	8090522	-	O	COG2192	6-O-carbamoyl transferase	<i>nodU</i>	bl 2029
locusA	BJ6T78260	8090536	8091165	-	Q	COG0500	N-methyl transferase	<i>nodS</i>	bl 2028
locusA	BJ6T78270	8091092	8092549	-			chitin synthase	<i>nodC</i>	bl 2027
locusA	BJ6T78280	8092564	8093223	-			de N-acatylase	<i>nodB</i>	bl 2026
locusA	BJ6T78290	8093220	8093852	-			acyl transferase	<i>nodA</i>	bl 2025
locusA	BJ6T78295	8093894	8094532	-			NodY protein	<i>nodY</i>	bl 2024
locusA	BJ6T78300	8095043	8095492	+	L	COG3293	putative transposase		
locusA	BJ6T78310	8095532	8096425	+	K	COG0583	transcriptional regulatory protein LysR family	<i>nodD1</i>	bl 2023
locusA	BJ6T78320	8096620	8096973	-			hypothetical protein		bl 2022
locusA	BJ6T78330	8097248	8097538				hypothetical protein		
locusA	BJ6T78340	8098638	8098847	+			hypothetical protein		bsl 2020
locusA	BJ6T78350	8099039	8099683	+	K	COG0789	transcriptional regulatory protein MerR family	<i>nolA</i>	bl 2019
locusA	BJ6T78360	8100000	8100398	+	E	COG0683	hypothetical protein		bl 2018
locusA	BJ6T78370	8100505	8101098	+	E	COG0683	similar to ABC transporter, amino acid binding protein		bl 2017
locusA	BJ6T78380	8102577	8102939	+			NolY	<i>nolY</i>	bl 2016
locusA	BJ6T78390	8103046	8103273	+			hypothetical protein	<i>nolZ</i>	bsl 2015
locusA	BJ6T78400	8103903	8104148	+			hypothetical protein		bsl 2014
locusA	BJ6T78410	8104971	8105696	+			hypothetical protein		bl 2012
locusA	BJ6T78420	8106334	8106696	-			hypothetical protein		bl 2011
locusA	BJ6T78430	8106668	8107072	-			hypothetical protein		bsr 2010
locusA	BJ6T78440	8107428	8108144	+	R	COG0730	hypothetical protein		bl 2009
locusA	BJ6T78450	8108858	8109070	-			hypothetical protein		bsr 2008
locusA	BJ6T78460	8109787	8111124	+	H	COG0635	coproporphyrinogen III dehydrogenase	<i>hemN1</i>	bl 2007
locusA	BJ6T78470	8111533	8112051	-			hypothetical protein		bl 2006
locusA	BJ6T78480	8112303	8113169	-			hypothetical protein		bsr 2005
locusA	BJ6T78490	8113266	8114936	+			hypothetical protein		bl 2003
locusA	BJ6T78500	8115068	8115448	+	L	COG2801	putative transposase		bl 2002
locusA	BJ6T78510	8115456	8116091	-			hypothetical protein		bl 2001
locusA	BJ6T78520	8116405	8116683	-			hypothetical protein		bsr 1999
locusA	BJ6T78530	8117684	8118097				hypothetical protein		
locusA	BJ6T78540	8118307	8119251	-			hypothetical protein		bl 1998
locusA	BJ6T78550	8119611	8119985				hypothetical protein		
locusA	BJ6T78560	8121435	8122475	-			probable pectinesterase		bl 1994
locusA	BJ6T78570	8122694	8123992	-			probable polygalacturonase		bl 1993
locusA	BJ6T78580	8124943	8125233	-			hypothetical protein		bl 1992
locusA	BJ6T78590	8125748	8126917	-			hypothetical protein		bl 1991
locusA	BJ6T78600	8126920	8130354	-			hypothetical protein		bl 1990
locusA	BJ6T78610	8130351	8130989	-			hypothetical protein		bl 1989
locusA	BJ6T78620	8130979	8132508	-			hypothetical protein		bl 1988
locusA	BJ6T78630	8132849	8133796	+	L	COG3335	putative transposase		
locusA	BJ6T78640	8134100	8134351	+	K	COG1396	probable transcriptional regulator		bsl 1986
locusA	BJ6T78650	8134351	8135670	+	R	COG3550	HipA protein	<i>hipA</i>	bl 1985
locusA	BJ6T78660	8135667	8135933				hypothetical protein		
locusA	BJ6T78670	8135922	8136284	-			putative transposase		bl 1984
locusA	BJ6T78680	8137130	8137495	+			hypothetical protein		bl 1981
locusA	BJ6T78690	8137586	8138377	+			hypothetical protein		bl 1980

locusA	BJ6T78700	8138371	8138679	+			hypothetical protein		bl11979
locusA	BJ6T78710	8138726	8139118	+			hypothetical protein		bl11978
locusA	BJ6T78720	8139819	8141798	+	C	COG1032	hypothetical protein		bl11977
locusA	BJ6T78730	8142112	8142339	-			hypothetical protein		bsr1976
locusA	BJ6T78740	8142723	8144069	+			putative transposase		
locusA	BJ6T78750	8144446	8144601		L	COG2801	hypothetical protein		
locusA	BJ6T78760	8144682	8144981	-	L	COG2963	putative transposase		bsr1972
locusA	BJ6T78770	8145187	8147505	-	E	COG1506	putative peptidase		blr1971
locusA	BJ6T78780	8147875	8148207	-			hypothetical protein		blr1970
locusA	BJ6T78790	8148462	8149082	-	L	COG3316	hypothetical protein		blr1969
locusA	BJ6T78800	8149026	8149268	+			hypothetical protein		bsl1967
locusA	BJ6T78810	8149290	8149550	-			hypothetical protein		bsr1966
locusA	BJ6T78820	8150695	8151432	-			putative sugar hydrolase		blr1964
locusA	BJ6T78830	8151673	8152041	+			hypothetical protein		bl11963
locusA	BJ6T78840	8152361	8153542	-	L	COG3344	hypothetical protein		blr1961
locusA	BJ6T78850	8154134	8154325				hypothetical protein		
locusA	BJ6T78860	8154343	8156796	-	M	COG1452	hypothetical protein		blr1955
locusA	BJ6T78870	8157184	8157900	-			hypothetical protein		blr1954
locusA	BJ6T78880	8157979	8158431	-	L	COG3293	putative transposase		blr1953
locusA	BJ6T78890	8158347	8158739	-	L	COG3293	putative transposase		
locusA	BJ6T78900	8160014	8160961	-	L	COG3335	putative transposase		
locusA	BJ6T78910	8162726	8162986	-			hypothetical protein		bsr1909
locusA	BJ6T78920	8163705	8163932	+	L	COG3316	hypothetical protein		bsl1908
locusA	BJ6T78930	8164190	8164444	-			hypothetical protein		bsr1907
locusA	BJ6T78940	8164443	8164895	+	K	COG0454	N-acetyltransferase NrgA homolog		bl11906
locusA	BJ6T78950	8165253	8165564	-			hypothetical protein		blr1905
locusA	BJ6T78960	8165599	8165769				hypothetical protein		
locusA	BJ6T78970	8165826	8167571	-			hypothetical protein		blr1904
locusA	BJ6T78980	8167764	8167952				hypothetical protein		
locusA	BJ6T78990	8168210	8168455	-	L	COG3436	hypothetical protein		bsr1903
locusA	BJ6T79000	8169011	8169460		C	COG2141	hypothetical protein		
locusA	BJ6T79010	8169676	8170746		R	COG1853	hypothetical protein		
locusA	BJ6T79020	8171491	8171754				hypothetical protein		
locusA	BJ6T79030	8173374	8174516		E	COG0687	hypothetical protein		
locusA	BJ6T79040	8175049	8175777		G	COG0235	hypothetical protein		
locusA	BJ6T79050	8176434	8176637		R	COG2130	hypothetical protein		
locusA	BJ6T79060	8176747	8177529				hypothetical protein		
locusA	BJ6T79070	8177810	8178529				hypothetical protein		
locusA	BJ6T79080	8178882	8179040				hypothetical protein		
locusA	BJ6T79090	8180217	8180396				hypothetical protein		
locusA	BJ6T79100	8180611	8180904				hypothetical protein		
locusA	BJ6T79110	8181557	8182522		E	COG0111	hypothetical protein		
locusA	BJ6T79120	8182781	8182909				hypothetical protein		
locusA	BJ6T79130	8182976	8184376		H	COG0161	hypothetical protein		
locusA	BJ6T79140	8184388	8185980		C	COG1012	hypothetical protein		
locusA	BJ6T79150	8186055	8186531		K	COG1522	hypothetical protein		
locusA	BJ6T79160	8187230	8188306		E	COG3842	hypothetical protein		
locusA	BJ6T79170	8188368	8189084		E	COG1177	hypothetical protein		
locusA	BJ6T79180	8189193	8189819		L	COG1961	hypothetical protein		
locusA	BJ6T79190	8190042	8190347		L	COG3436	hypothetical protein		
locusA	BJ6T79200	8190331	8190735				hypothetical protein		
locusA	BJ6T79210	8190949	8191218				hypothetical protein		
locusA	BJ6T79220	8191326	8191655				hypothetical protein		
locusA	BJ6T79230	8191615	8191800				hypothetical protein		
locusA	BJ6T79240	8192089	8192355				hypothetical protein		
locusA	BJ6T79250	8192960	8193691		E	COG0665	hypothetical protein		
locusA	BJ6T79260	8193688	8194407		G	COG0235	hypothetical protein		
locusA	BJ6T79270	8194409	8197078		S	COG1262	hypothetical protein		
locusA	BJ6T79280	8197098	8197712				hypothetical protein		
locusA	BJ6T79290	8197719	8198675		C	COG1052	hypothetical protein		
locusA	BJ6T79300	8198692	8199444				hypothetical protein		
locusA	BJ6T79310	8200868	8201293				hypothetical protein		
locusA	BJ6T79320	8201867	8202961	-	E	COG1509	hypothetical protein		
locusA	BJ6T79330	8203634	8204080				hypothetical protein		
locusA	BJ6T79340	8205014	8206462	-			hypothetical protein		
locusA	BJ6T79350	8207081	8207599	-	J	COG1186	hypothetical protein		
locusA	BJ6T79360	8207713	8209077	-	R	COG0612	hypothetical zinc protease		
locusA	BJ6T79370	8209074	8210366	-	R	COG0612	hypothetical zinc protease		
locusA	BJ6T79380	8211277	8212086	-	L	COG1484	putative transposase		
locusA	BJ6T79390	8212083	8213555	-			putative transposase		
locusA	BJ6T79400	8214666	8216441	-	Q	COG1132	ABC transporter, HlyB/MsbA family		
locusA	BJ6T79410	8217155	8218147		O	COG0526	hypothetical protein		
locusA	BJ6T79420	8219174	8219497		G	COG2513	hypothetical protein		
locusA	BJ6T79430	8219824	8220168	-			hypothetical protein		
locusA	BJ6T79440	8220726	8220896	-			hypothetical protein		bsr1885
locusA	BJ6T79450	8221032	8221307	+			hypothetical protein		bsl1884
locusA	BJ6T79460	8221992	8223488	-	K	COG1508	RNA polymerase sigma-54 subunit	<i>rpoN1</i>	blr1883
locusA	BJ6T79470	8223911	8224345	-			hypothetical protein		blr1882
locusA	BJ6T79480	8224606	8224935	-			hypothetical protein		blr1881
locusA	BJ6T79490	8225740	8226213	-	K	COG2771	transcriptional regulatory protein LuxR family		blr1880
locusA	BJ6T79500	8227626	8228240	-	O	COG2214	hypothetical protein		blr1879
locusA	BJ6T79510	8229647	8230975	+			hypothetical protein		bl11877
locusA	BJ6T79520	8230991	8231554	-			hypothetical protein		blr1876
locusA	BJ6T79530	8231660	8232076	+	R	COG2940	hypothetical protein		bl11875
locusA	BJ6T79540	8232816	8233268	-	L	COG3293	putative transposase		bsr1874
locusA	BJ6T79550	8233184	8233576	-	L	COG3293	putative transposase		blr1873
locusA	BJ6T79560	8234136	8235767	+			hypothetical protein		bl11872
locusA	BJ6T79570	8236722	8236910				hypothetical protein		
locusA	BJ6T79580	8237924	8238499	-			hypothetical protein		blr1869
locusA	BJ6T79590	8239594	8239905	-			hypothetical protein		blr1868
locusA	BJ6T79600	8240112	8240684	-	L	COG3436	hypothetical protein		blr1867
locusA	BJ6T79610	8240405	8241091	-	L	COG3436	hypothetical protein		blr1866
locusA	BJ6T79620	8241111	8241485	-	L	COG2963	hypothetical protein		blr1865
locusA	BJ6T79630	8241812	8243158	+	G	COG0477	citrate-proton symporter	<i>citA</i>	bl11864
locusA	BJ6T79640	8243855	8244418	+			putative transposase		bl11861
locusA	BJ6T79650	8244418	8244618	+			hypothetical protein		bl11860
locusA	BJ6T79660	8244770	8245276	-			hypothetical protein		blr1859
locusA	BJ6T79670	8245423	8245806	+			hypothetical protein		bl11858
locusA	BJ6T79680	8246040	8246312	+			hypothetical protein		bsl1857
locusA	BJ6T79690	8246390	8246683	+	L	COG3293	putative transposase		bsl1856
locusA	BJ6T79700	8246826	8247836	+	L	COG1425	putative transposase		bl11855
locusA	BJ6T79710	8248167	8250083	-			hypothetical protein		blr1854
locusA	BJ6T79720	8250837	8251817	-	Q	COG2124	cytochrome P450 family protein		blr1853
locusA	BJ6T79730	8252629	8253510	-	H	COG0414	similar to pantoate--beta-alanine ligase		blr1852
locusA	BJ6T79740	8253695	8255176	-	S	COG1357	hypothetical protein		blr1851
locusA	BJ6T79750	8255154	8255474	-			hypothetical protein		blr1850
locusA	BJ6T79760	8255904	8256056	+			hypothetical protein		bsl1849
locusA	BJ6T79770	8256583	8257491	+			hypothetical protein		bl11848
locusA	BJ6T79780	8257954	8258388	-			VirK protein homolog		blr1847

locusA	BJ6T79790	8259074	8260054	+			hypothetical protein		bl1846
locusA	BJ6T79800	8261255	8261431	+			hypothetical protein		bsl1845
locusA	BJ6T79810	8261648	8262028	+			hypothetical protein		bl1844
locusA	BJ6T79820	8262068	8262757	+	T	COG0745	two-component response regulator	<i>basR</i>	bl1843
locusA	BJ6T79830	8262784	8264238	+	N	COG1450	RhcG2 protein	<i>rhcC2</i>	bl1842
locusA	BJ6T79840	8264249	8264911	+			hypothetical protein		bl1841
locusA	BJ6T79850	8265107	8267422	+			hypothetical protein		bl1840
locusA	BJ6T79860	8267715	8269097	−	L	COG3344	probable reverse transcriptase/maturase family protein		blr1837
locusA	BJ6T79870	8270095	8270577	+			hypothetical protein		bl1836
locusA	BJ6T79880	8270631	8271341	−	L	COG1484	putative transposase		blr1835
locusA	BJ6T79890	8271347	8272705	−			putative transposase		blr1834
locusA	BJ6T79900	8272809	8273651	−			hypothetical protein		blr1833
locusA	BJ6T79910	8273352	8274686	+			putative transposase		bl1832
locusA	BJ6T79920	8274816	8275022	−			hypothetical protein		bsr1831
locusA	BJ6T79930	8275857	8276258	−			hypothetical protein		blr1830
locusA	BJ6T79940	8277262	8278209	−	L	COG3335	putative transposase		blr1829
locusA	BJ6T79950	8278475	8278648	+			hypothetical protein		bsl1828
locusA	BJ6T79960	8279034	8280065	−	L	COG3547	putative transposase		blr1827
locusA	BJ6T79970	8280388	8280720	+	L	COG3547	putative transposase		bl1826
locusA	BJ6T79980	8281055	8281477				hypothetical protein		
locusA	BJ6T79990	8281898	8282416	+	L	COG3293	hypothetical protein		bl1824
locusA	BJ6T80000	8282208	8282657	+	L	COG3293	putative transposase		bl1823
locusA	BJ6T80010	8282667	8283704	−	N	COG1377	RhcU protein	<i>rhcU</i>	blr1822
locusA	BJ6T80020	8283701	8284522	−	N	COG1684	RhcT protein	<i>rhcT</i>	blr1821
locusA	BJ6T80030	8284533	8284808	−	N	COG1987	RhcS protein	<i>rhcS</i>	bsr1820
locusA	BJ6T80040	8284811	8285476	−	N	COG1338	RhcR protein	<i>rhcR</i>	blr1819
locusA	BJ6T80050	8285469	8286590	−	N	COG1886	RhcQ protein	<i>rhcQ</i>	blr1818
locusA	BJ6T80060	8286587	8287123	−			hypothetical protein		blr1817
locusA	BJ6T80070	8287099	8288454	−	N	COG1157	RhcN protein	<i>rhcN</i>	blr1816
locusA	BJ6T80080	8288451	8289071	−	N	COG1317	nodulation protein	<i>nolV</i>	blr1815
locusA	BJ6T80090	8289068	8289706	−			nodulation protein	<i>nolU</i>	blr1814
locusA	BJ6T80100	8289718	8290581	−	N	COG1766	RhcJ protein	<i>rhcJ</i>	blr1813
locusA	BJ6T80110	8290590	8290895	−			nodulation protein	<i>nolB</i>	blr1812
locusA	BJ6T80120	8291504	8291965	+	N	COG1450	RhcC1 protein	<i>rhcC1</i>	bl1811
locusA	BJ6T80130	8292246	8292749	+			hypothetical protein		bl1810
locusA	BJ6T80140	8292695	8292928	−			hypothetical protein		bsr1809
locusA	BJ6T80150	8293115	8293318	+			hypothetical protein		bsl1808
locusA	BJ6T80160	8293889	8294836	−	L	COG3335	putative transposase		blr1807
locusA	BJ6T80170	8295108	8296562	−			hypothetical protein		blr1806
locusA	BJ6T80180	8296813	8297373	+			hypothetical protein		bl1805
locusA	BJ6T80190	8297471	8297779	+			hypothetical protein		bl1804
locusA	BJ6T80200	8297822	8298013				hypothetical protein		
locusA	BJ6T80210	8298130	8299023	+			hypothetical protein		bl1803
locusA	BJ6T80220	8299057	8299593	+			hypothetical protein		bl1802
locusA	BJ6T80230	8299596	8300024	+			hypothetical protein		bl1801
locusA	BJ6T80240	8300034	8302133	+	N	COG1298	RhcV protein	<i>rhcV</i>	bl1800
locusA	BJ6T80250	8302164	8302754	+	R	COG0457	hypothetical protein		bl1799
locusA	BJ6T80260	8302879	8303301	+			hypothetical protein		bl1798
locusA	BJ6T80270	8303322	8303744	+			hypothetical protein		bl1797
locusA	BJ6T80280	8303719	8304171	+			hypothetical protein		bl1796
locusA	BJ6T80290	8304859	8306205	+	R	COG0612	similar to zinc protease		bl1795
locusA	BJ6T80300	8306361	8306924	+	R	COG0612	similar to protease		bl1793
locusA	BJ6T80310	8306836	8307648	+	R	COG0612	similar to zinc protease		bl1792
locusA	BJ6T80320	8308184	8308933	+			hypothetical protein		bl1791
locusA	BJ6T80330	8308988	8309707	+			hypothetical protein		bl1790
locusA	BJ6T80340	8309866	8310315	−			hypothetical protein		blr1789
locusA	BJ6T80350	8310254	8310592	−			hypothetical protein		blr1788
locusA	BJ6T80360	8310782	8311171	−			hypothetical protein		blr1787
locusA	BJ6T80370	8312276	8312578	+			hypothetical protein		bl1786
locusA	BJ6T80380	8313053	8313442	−			hypothetical protein		blr1785
locusA	BJ6T80390	8314624	8315733	+	P	COG1118	molybdenum transport ATP-binding protein modC homolog		bl1780
locusA	BJ6T80400	8315790	8317058	+	L	COG3328	putative transposase		bl1779
locusA	BJ6T80410	8317179	8318135	+			hypothetical protein		bl1778
locusA	BJ6T80420	8318087	8318641	+	O	COG0450	alkyl hydroperoxide reductase	<i>ahpC</i>	bl1777
locusA	BJ6T80430	8318648	8319196	+	S	COG2128	alkyl hydroperoxide reductase	<i>ahpD</i>	bl1776
locusA	BJ6T80440	8319408	8319704	−	C	COG2440	probable ferredoxin	<i>fixX</i>	bsr1775
locusA	BJ6T80450	8319743	8321050	−	C	COG0644	flavoprotein	<i>fixC</i>	blr1774
locusA	BJ6T80460	8321062	8322171	−	C	COG2025	electron transfer flavoprotein alpha chain	<i>fixB</i>	blr1773
locusA	BJ6T80470	8322777	8322986	+			hypothetical protein		bsl1772
locusA	BJ6T80480	8323122	8323463	−			nitrogenase stabilizing/protective protein	<i>nifW</i>	blr1771
locusA	BJ6T80490	8324118	8324894	−			molybdenum processing protein	<i>nifQ</i>	blr1770
locusA	BJ6T80500	8325041	8325925	−	P	COG1348	dinitrogenase reductase protein	<i>nifH</i>	blr1769
locusA	BJ6T80510	8326107	8326316	−			hypothetical protein		blr1768
locusA	BJ6T80520	8326643	8326918	+			hypothetical protein		bl1767
locusA	BJ6T80530	8327140	8327871	+	M	COG3047	outer membrane protein		bl1766
locusA	BJ6T80540	8328277	8328624	−			ferredoxin	<i>fer2</i>	blr1765
locusA	BJ6T80550	8328775	8329071	−			hypothetical protein		bsr1764
locusA	BJ6T80560	8329344	8329688	−			hypothetical protein		blr1763
locusA	BJ6T80570	8329722	8330081				hypothetical protein		
locusA	BJ6T80580	8330020	8330337				hypothetical protein		
locusA	BJ6T80590	8330334	8330648	−			iron-sulfur cofactor synthesis protein	<i>nifZ</i>	blr1761
locusA	BJ6T80600	8330899	8331189	−	C	COG1145	hypothetical protein	<i>frxA</i>	bsr1760
locusA	BJ6T80610	8331134	8332717	−	R	COG0535	FeMo cofactor biosynthesis protein	<i>nifB</i>	blr1759
locusA	BJ6T80620	8332721	8332942	−			hypothetical protein		bsr1758
locusA	BJ6T80630	8333381	8333605	−			nitrogen fixation protein	<i>fixU</i>	bsr1757
locusA	BJ6T80640	8333602	8334783	−	E	COG1104	nitrogenase metallocusters biosynthesis protein	<i>nifS</i>	blr1756
locusA	BJ6T80650	8335107	8335427	−	S	COG0316	R. etli iscN homolog		blr1755
locusA	BJ6T80660	8335687	8336277	+			hypothetical protein		bl1754
locusA	BJ6T80670	8336299	8336682	−	P	COG2146	hypothetical protein		blr1753
locusA	BJ6T80680	8337281	8338015	−			host-inducible protein A homolog		blr1752
locusA	BJ6T80690	8339007	8339300	−	C	COG1145	ferredoxin	<i>fer3</i>	bsr1750
locusA	BJ6T80700	8339311	8339472	−			hypothetical protein		bsr1749
locusA	BJ6T80710	8339525	8339989	−			hypothetical protein		blr1748
locusA	BJ6T80720	8339996	8340391	−			iron-molibdenum cofactor processing protein	<i>nifX</i>	blr1747
locusA	BJ6T80730	8340388	8341797	−	C	COG2710	nitrogenase molybdenum-cofactor synthesis protein	<i>nifN</i>	blr1746
locusA	BJ6T80740	8341807	8343450	−	C	COG2710	nitrogenase molybdenum-cofactor synthesis protein	<i>nifE</i>	blr1745
locusA	BJ6T80750	8343543	8345099	−	C	COG2710	nitrogenase molybdenum-iron protein beta chain	<i>nifK</i>	blr1744
locusA	BJ6T80760	8345165	8346667	−	C	COG2710	nitrogenase molybdenum-iron protein alpha chain	<i>nifD</i>	blr1743
locusA	BJ6T80770	8347266	8347571	+			putative transposase		bl1742
locusA	BJ6T80780	8347568	8348203	+	L	COG2801	putative transposase		bl1741
locusA	BJ6T80790	8348209	8348373	+			putative transposase		
locusA	BJ6T80800	8348479	8349426	−	L	COG3335	putative transposase		blr1740
locusA	BJ6T80810	8349687	8349881	−	C	COG1145	hypothetical protein		bsr1739
locusA	BJ6T80820	8350419	8351531	−	E	COG0686	alanine dehydrogenase	<i>aldA</i>	blr1738
locusA	BJ6T80830	8351645	8352961	−	O	COG0309	hydrogenase expression/formation protein	<i>hypE</i>	blr1737
locusA	BJ6T80840	8352958	8354109	−	O	COG0409	hydrogenase expression/formation protein	<i>hypD</i>	blr1736
locusA	BJ6T80850	8354097	8355842	−	O	COG0068	hydrogenase maturation protein	<i>hypF</i>	blr1735
locusA	BJ6T80860	8356126	8356953	−	L	COG2801	putative transposase		
locusA	BJ6T80870	8356950	8357255	−			putative transposase		

locusA	BJ6T80880	8357293	8357595	-	O	COG0378	hydrogenase nickel incorporation protein HypB homolog		blr1732
locusA	BJ6T80890	8357592	8357894	-	O	COG0378	hydrogenase nickel incorporation protein HypB homolog	<i>hypB</i>	blr1731
locusA	BJ6T80900	8358104	8358436	-	R	COG0375	hydrogenase nickel incorporation protein	<i>hypA</i>	blr1730
locusA	BJ6T80910	8358438	8358791	-			HupK protein homolog		bsr1729
locusA	BJ6T80920	8358760	8359161	-			HupK protein homolog	<i>hupK</i>	blr1728
locusA	BJ6T80930	8359627	8360178	-			HupH protein homolog	<i>hupH</i>	blr1727
locusA	BJ6T80940	8360480	8360872	-			hypothetical protein		blr1726
locusA	BJ6T80950	8361056	8361328	-	O	COG0298	HupF protein homolog	<i>hupF</i>	bsr1725
locusA	BJ6T80960	8361349	8361687	-	C	COG0680	HupD protein homolog		blr1724
locusA	BJ6T80970	8361753	8361947	-	C	COG0680	hypothetical protein	<i>hupD</i>	bsr1723
locusA	BJ6T80980	8361982	8362674	-	C	COG1969	HupC protein homolog	<i>hupC</i>	blr1722
locusA	BJ6T80990	8362679	8364469	-	C	COG0374	uptake hydrogenase large subunit homolog	<i>hupL</i>	blr1721
locusA	BJ6T81000	8364483	8365574	-	C	COG1740	uptake hydrogenase small subunit precursor homolog	<i>hupS</i>	blr1720
locusA	BJ6T81010	8366210	8366821	-	P	COG0555	molybdenum transport system permease protein	<i>modB</i>	blr1719
locusA	BJ6T81020	8367318	8367503				hypothetical protein		
locusA	BJ6T81030	8367929	8369245	+	C	COG1301	C4-dicarboxylate transport protein	<i>dctA</i>	blI1718
locusA	BJ6T81040	8369401	8369826				hypothetical protein		
locusA	BJ6T81050	8369736	8370128	-	L	COG3293	putative transposase		
locusA	BJ6T81060	8370204	8371151	-	L	COG3335	putative transposase		
locusA	BJ6T81070	8372414	8374816	+	T	COG0642	two component regulator	<i>nodV</i>	blI1715
locusA	BJ6T81080	8374903	8375496	+	T	COG2197	two component regulator	<i>nodW</i>	blI1714
locusA	BJ6T81090	8375581	8375967	+	T	COG2197	two-component response regulator		bsI1713
locusA	BJ6T81100	8376765	8378033	-	L	COG3328	putative transposase		
locusA	BJ6T81110	8378163	8379368	+			putative transposase		
locusA	BJ6T81120	8379374	8380105	+	L	COG1484	putative transposase		
locusA	BJ6T81130	8380114	8380692	-			hypothetical protein		blr1709
locusA	BJ6T81140	8381150	8384827	-			hypothetical protein		blr1705
locusA	BJ6T81150	8385100	8387352	-			hypothetical protein		blr1704
locusA	BJ6T81160	8387523	8387834	-	L	COG3316	putative transposase		
locusA	BJ6T81170	8387937	8389568	+	L	COG1961	hypothetical protein		blI1703
locusA	BJ6T81180	8389616	8390563	-	L	COG3335	putative transposase		
locusA	BJ6T81190	8390948	8391952	+	N	COG3505	conjugal transfer protein	<i>trbG</i>	blI1701
locusA	BJ6T81200	8392166	8393713	-	L	COG3436	putative transposase		blr1700
locusA	BJ6T81210	8393767	8394123	-	L	COG3436	hypothetical protein		
locusA	BJ6T81220	8394674	8395018	+			hypothetical protein		
locusA	BJ6T81230	8395543	8395764				hypothetical protein		
locusA	BJ6T81240	8396334	8396591	+	S	COG3831	hypothetical protein		
locusA	BJ6T81250	8397326	8398015	-			hypothetical protein		
locusA	BJ6T81260	8399671	8402466	-			hypothetical protein		
locusA	BJ6T81270	8402668	8403378	-	L	COG1484	putative transposase		
locusA	BJ6T81280	8403384	8404742	-			putative transposase		
locusA	BJ6T81290	8404969	8405274	-			putative transposase		
locusA	BJ6T81300	8405575	8405916	+			probable suppressor protein		blI1688
locusA	BJ6T81310	8405913	8406416	+			hypothetical protein		blI1687
locusA	BJ6T81320	8406748	8406981		M	COG1898	hypothetical protein		
locusA	BJ6T81330	8407141	8408520	-	H	COG0161	putative aminotransferase protein		blr1686
locusA	BJ6T81340	8408846	8409034				hypothetical protein		
locusA	BJ6T81350	8409299	8409754	-			putative transposase		blI1685
locusA	BJ6T81360	8409970	8410284	+			hypothetical protein		blI1684
locusA	BJ6T81370	8410281	8410571	-			hypothetical protein		bsr1683
locusA	BJ6T81380	8410751	8410936	-	N	COG2948	probable conjugal transfer protein		
locusA	BJ6T81390	8411044	8411496	-	L	COG3293	putative transposase		
locusA	BJ6T81400	8411412	8411804	-	L	COG3293	putative transposase		
locusA	BJ6T81410	8411970	8412632	-	E	COG0765	probable ABC transporter permease protein		blr1680
locusA	BJ6T81420	8412629	8413144	-	E	COG0765	similar to ABC transporter permease protein		blr1679
locusA	BJ6T81430	8413253	8413444	+			hypothetical protein		bsI1678
locusA	BJ6T81440	8413441	8413638	-			hypothetical protein		bsr1677
locusA	BJ6T81450	8413803	8415665	-			hypothetical protein		blr1676
locusA	BJ6T81460	8415909	8416325	+	L	COG3316	putative transposase		
locusA	BJ6T81470	8416612	8417076	-			hypothetical protein		
locusA	BJ6T81480	8417066	8417455	-			hypothetical protein		
locusA	BJ6T81490	8417635	8418042				hypothetical protein		
locusA	BJ6T81500	8419090	8419596	-	Q	COG1020	probable peptide synthetase		
locusA	BJ6T81510	8419767	8420174	-			hypothetical protein		
locusA	BJ6T81520	8420316	8421071	+	L	COG3316	putative transposase		blI1675
locusA	BJ6T81530	8421284	8421751	+			hypothetical protein		blI1674
locusA	BJ6T81540	8421874	8421949	+			trnIleCAT		
locusA	BJ6T81550	8422180	8422944		L	COG0084	hypothetical protein		
locusA	BJ6T81560	8422941	8424215				hypothetical protein		
locusA	BJ6T81570	8424212	8425093				hypothetical protein		
locusA	BJ6T81580	8425074	8426972				hypothetical protein		
locusA	BJ6T81590	8427163	8428128				hypothetical protein		
locusA	BJ6T81600	8428167	8428925				hypothetical protein		
locusA	BJ6T81610	8428962	8430167	-			hypothetical protein		blr1667
locusA	BJ6T81620	8430164	8431738	-			hypothetical protein		blr1666
locusA	BJ6T81630	8431622	8432518	+			hypothetical protein		
locusA	BJ6T81640	8433173	8433619	+			putative transposase		blr1661
locusA	BJ6T81650	8433628	8434101	+			hypothetical protein		blI1660
locusA	BJ6T81660	8434922	8435413				hypothetical protein		
locusA	BJ6T81670	8435526	8436050	-	L	COG3547	putative transposase		blr1657
locusA	BJ6T81680	8436374	8437180	-			putative glycosyl hydrolase		blr1656
locusA	BJ6T81690	8437469	8438128	-	L	COG3316	putative transposase		blr1655
locusA	BJ6T81700	8438618	8438917	+	S	COG2135	hypothetical protein		bsI1654
locusA	BJ6T81710	8438925	8439266	-			hypothetical protein		blr1653
locusA	BJ6T81720	8439546	8439749	+			hypothetical protein		bsI1652
locusA	BJ6T81730	8439850	8440011	+			hypothetical protein		bsI1651
locusA	BJ6T81740	8440464	8442002	-			hypothetical protein		blr1649
locusA	BJ6T81750	8442143	8442511	+			hypothetical protein		blI1648
locusA	BJ6T81760	8442938	8444284	+			putative transposase		blI1647
locusA	BJ6T81770	8444300	8444752	-	L	COG3293	putative transposase		bsr1646
locusA	BJ6T81780	8444668	8445060	-	L	COG3293	putative transposase		blr1645
locusA	BJ6T81790	8445294	8445491				hypothetical protein		
locusA	BJ6T81800	8445494	8445685				hypothetical protein		
locusA	BJ6T81810	8446022	8446798	-	T	COG2200	hypothetical protein		blr1644
locusA	BJ6T81820	8447103	8447909	+			hypothetical protein		blI1643
locusA	BJ6T81830	8448059	8449417	+			putative transposase		blI1642
locusA	BJ6T81840	8449423	8450133	+	L	COG1484	putative transposase		blI1641
locusA	BJ6T81850	8450875	8451363	-			hypothetical protein		blr1640
locusA	BJ6T81860	8452077	8452265				hypothetical protein		
locusA	BJ6T81870	8452744	8452986				hypothetical protein		
locusA	BJ6T81880	8453021	8453233				hypothetical protein		
locusA	BJ6T81890	8453825	8454130	-			hypothetical protein		blr1638
locusA	BJ6T81900	8454182	8454481		N	COG3549	hypothetical protein		
locusA	BJ6T81910	8454932	8455252	+			hypothetical protein		blI1636
locusA	BJ6T81920	8455270	8455680	-			probable site-specific integrase/recombinase		blr1635
locusA	BJ6T81930	8456057	8456413	+			hypothetical protein		blI1634
locusA	BJ6T81940	8457034	8457474	-	K	COG1278	NoeD protein	<i>noeD</i>	blr1633
locusA	BJ6T81950	8457807	8459633	-	M	COG0449	putative glucosamine synthase	<i>nodM</i>	blr1632
locusA	BJ6T81960	8460967	8462052	+	M	COG1089	GDP-mannose 4,6-dehydratase	<i>noeL</i>	blI1631

locusA	BJ6T81970	8462024	8463031	+	M	COG0451	GDP–fucose synthetase	<i>nolK</i>	bl1630
locusA	BJ6T81980	8463306	8466422	–	Q	COG0841	multidrug resistance protein		blr1629
locusA	BJ6T81990	8467293	8467499	–			hypothetical protein		blr1627
locusA	BJ6T82000	8467836	8468114				hypothetical protein		
locusA	BJ6T82010	8468111	8468560				hypothetical protein		
locusA	BJ6T82020	8468789	8469358	–			hypothetical protein		blr1625
locusA	BJ6T82030	8472204	8472527	+			hypothetical protein		bl11623
locusA	BJ6T82040	8473428	8474630	–	N	COG2948	conjugal transfer protein	<i>trbI</i>	blr1620
locusA	BJ6T82050	8474627	8475661	–	N	COG3504	conjugal transfer protein	<i>trbG</i>	blr1619
locusA	BJ6T82060	8475658	8476341	–	N	COG3701	probable conjugal transfer protein	<i>trbF</i>	blr1618
locusA	BJ6T82070	8476434	8477273	–	N	COG3846	conjugal transfer protein	<i>trbL</i>	blr1617
locusA	BJ6T82080	8477381	8478721	–			hypothetical protein		blr1616
locusA	BJ6T82090	8478869	8479603	–	K	COG1475	hypothetical protein		blr1615
locusA	BJ6T82100	8479582	8480265	–	K	COG1475	hypothetical protein		blr1614
locusA	BJ6T82110	8480160	8481020	–	K	COG1475	hypothetical protein		blr1613
locusA	BJ6T82120	8481126	8482088	–			antirestriction protein	<i>ardC</i>	blr1612
locusA	BJ6T82130	8483159	8484025	–	T	COG0642	hypothetical protein		blr1611
locusA	BJ6T82140	8484009	8484845	–			hypothetical protein		blr1610
locusA	BJ6T82150	8485493	8485729	–			hypothetical protein		bsr1607
locusA	BJ6T82160	8486568	8486750				hypothetical protein		
locusA	BJ6T82170	8487039	8488766	–	R	COG1123	ABC transporter ATP–binding protein		blr1604
locusA	BJ6T82180	8488763	8489644	–	E	COG1173	ABC transporter permease protein		blr1603
locusA	BJ6T82190	8489641	8490603	–	E	COG0601	ABC transporter permease protein		blr1602
locusA	BJ6T82200	8490600	8492288	–	E	COG0747	ABC transporter substrate–binding protein		blr1601
locusA	BJ6T82210	8492321	8493688	–	C	COG2141	nitrilotriacetate monooxygenase		blr1600
locusA	BJ6T82220	8494336	8494411	+			trnIleCAT		
locusA	BJ6T82230	8494524	8495690				hypothetical protein		
locusA	BJ6T82240	8495909	8496199				hypothetical protein		
locusA	BJ6T82250	8496259	8496603				hypothetical protein		
locusA	BJ6T82260	8496615	8496905				hypothetical protein		
locusA	BJ6T82270	8496915	8499569				hypothetical protein		
locusA	BJ6T82280	8499566	8500918				hypothetical protein		
locusA	BJ6T82290	8501261	8501710				hypothetical protein		
locusA	BJ6T82300	8502251	8503012		I	COG1502	hypothetical protein		
locusA	BJ6T82310	8503009	8504859				hypothetical protein		
locusA	BJ6T82320	8504856	8508908				hypothetical protein		
locusA	BJ6T82330	8510121	8514059		L	COG1002	hypothetical protein		
locusA	BJ6T82340	8514056	8517199		K	COG0553	hypothetical protein		
locusA	BJ6T82350	8517199	8518299		L	COG0270	hypothetical protein		
locusA	BJ6T82360	8519039	8519968				hypothetical protein		
locusA	BJ6T82370	8520006	8520440				hypothetical protein		
locusA	BJ6T82380	8520878	8521987				hypothetical protein		
locusA	BJ6T82390	8522172	8523110				hypothetical protein		
locusA	BJ6T82400	8523119	8524294				hypothetical protein		
locusA	BJ6T82410	8524570	8527224				hypothetical protein		
locusA	BJ6T82420	8527924	8531376				hypothetical protein		
locusA	BJ6T82430	8531918	8532148				hypothetical protein		
locusA	BJ6T82440	8532275	8532970		L	COG1961	hypothetical protein		
locusA	BJ6T82450	8532957	8533229				hypothetical protein		
locusA	BJ6T82460	8533299	8533586				hypothetical protein		
locusA	BJ6T82470	8533583	8533966				hypothetical protein		
locusA	BJ6T82480	8533966	8534157				hypothetical protein		
locusA	BJ6T82490	8535006	8535728				hypothetical protein		
locusA	BJ6T82500	8536224	8536742				hypothetical protein		
locusA	BJ6T82510	8536749	8537051				hypothetical protein		
locusA	BJ6T82520	8537557	8537943				hypothetical protein		
locusA	BJ6T82530	8538185	8539384		L	COG0582	probable site–specific integrase/recombinase		
locusA	BJ6T82540	8540407	8542119	+			hypothetical protein		bl11595
locusA	BJ6T82550	8542116	8542685	+			hypothetical protein		bl11594
locusA	BJ6T82560	8542686	8545118	+			hypothetical protein		bl11593
locusA	BJ6T82570	8546063	8547157	+			hypothetical protein		bl11592
locusA	BJ6T82580	8547230	8547829	+			hypothetical protein		bl11591
locusA	BJ6T82590	8548118	8548561	–			hypothetical protein		bsr1590
locusA	BJ6T82600	8548660	8548896	+	K	COG1396	hypothetical protein		bs11589
locusA	BJ6T82610	8548883	8549854	–	S	COG1273	conserved hypothetical protein		blr1588
locusA	BJ6T82620	8550005	8550382	+			hypothetical protein		bl11587
locusA	BJ6T82630	8550944	8551309	–			putative excisionase		bl11586
locusA	BJ6T82650	8551520	8552374	+	L	COG0582	probable site–specific integrase/recombinase		bl11584
locusA	BJ6T82660	8552885	8554618	+	R	COG0666	hypothetical protein		bl11583
locusA	BJ6T82670	8554615	8555418	+			hypothetical protein		bl11582
locusA	BJ6T82680	8555430	8556551	+			hypothetical protein		bl11581
locusA	BJ6T82690	8556842	8557447	+			hypothetical protein		bl11580
locusA	BJ6T82700	8557613	8557960	–	R	COG0637	hypothetical protein		blr1579
locusA	BJ6T82710	8558001	8558390	–	L	COG3436	hypothetical protein		blr1578
locusA	BJ6T82720	8558532	8558738				hypothetical protein		
locusA	BJ6T82730	8558914	8559078	–	L	COG3436	hypothetical protein		bl11576
locusA	BJ6T82740	8559106	8559492	–	L	COG3436	hypothetical protein		blr1575
locusA	BJ6T82750	8559719	8559970	–	L	COG3436	putative transposase		bsr1574
locusA	BJ6T82760	8559967	8560398	–			hypothetical protein		blr1573
locusA	BJ6T82770	8560632	8562089	+			hypothetical protein		bl11572
locusA	BJ6T82780	8562000	8563256	–			hypothetical protein		blr1571
locusA	BJ6T82790	8563268	8563837	–			hypothetical protein		blr1571
locusA	BJ6T82800	8563986	8576291	+			hypothetical protein		bl11570
locusA	BJ6T82810	8576294	8584426	+			hypothetical protein		bl11569
locusA	BJ6T82820	8584545	8585156	+			hypothetical protein		bl11568
locusA	BJ6T82830	8585611	8586063	+			hypothetical protein		bl11567
locusA	BJ6T82840	8586282	8587391	+			hypothetical protein		bl11566
locusA	BJ6T82850	8587602	8590430	–			hypothetical protein		blr1564
locusA	BJ6T82860	8590440	8590754	–			hypothetical protein		blr1563
locusA	BJ6T82870	8591594	8591782	–			hypothetical protein		bsr1562
locusA	BJ6T82880	8591769	8591993	–			hypothetical protein		bsr1561
locusA	BJ6T82890	8592468	8592662	+			hypothetical protein		bl11560
locusA	BJ6T82900	8593273	8593572				hypothetical protein		
locusA	BJ6T82910	8593676	8594068	+			hypothetical protein		bl11558
locusA	BJ6T82920	8594412	8594903	+			hypothetical protein		bl11557
locusA	BJ6T82930	8595110	8595946	–	T	COG0664	hypothetical protein		blr1556
locusA	BJ6T82940	8596611	8596970	+	C	COG3794	hypothetical protein		bl11555
locusA	BJ6T82950	8596975	8597967	–			hypothetical protein		blr1554
locusA	BJ6T82960	8598475	8599497	–	P	COG1858	methylamine utilization protein precursor	<i>mauG</i>	blr1552
locusA	BJ6T82970	8599886	8600785	–	T	COG2200	hypothetical protein		blr1551
locusA	BJ6T82980	8600936	8601160				hypothetical protein		
locusA	BJ6T82990	8601281	8601553				hypothetical protein		
locusA	BJ6T83000	8601607	8602593	–	N	COG0840	hypothetical protein		blr1551
locusA	BJ6T83010	8603386	8604159		L	COG3293	hypothetical protein		
locusA	BJ6T83020	8605821	8606144				hypothetical protein		
locusA	BJ6T83030	8606828	8607268				hypothetical protein		
locusA	BJ6T83040	8607675	8607908	–			hypothetical protein		bsr1547
locusA	BJ6T83050	8608384	8608587				hypothetical protein		
locusA	BJ6T83060	8608723	8609121	–			hypothetical protein		blr1546

locusA	BJ6T83070	8609003	8609395	+	L	COG3293	putative transposase	
locusA	BJ6T83080	8609491	8609763	+	L	COG3293	putative transposase	
locusA	BJ6T83090	8610188	8610601	+			hypothetical protein	blI1544
locusA	BJ6T83100	8610615	8610929				hypothetical protein	
locusA	BJ6T83110	8611885	8612154	+			hypothetical protein	blI1541
locusA	BJ6T83120	8612359	8614416	+	R	COG0824	hypothetical protein	blI1540
locusC	BJ6T87770	9113996	9115237	+	L	COG0582	probable site-specific integrase/recombinase	blr8174
locusC	BJ6T87780	9115234	9116577	+			hypothetical protein	blr8175
locusC	BJ6T87790	9116579	9117832	+			hypothetical protein	blr8176
locusC	BJ6T87800	9117923	9120412	−			hypothetical protein	blI8177
locusC	BJ6T87810	9120409	9120633				hypothetical protein	
locusC	BJ6T87820	9120723	9121499	−			hypothetical protein	
locusC	BJ6T87830	9121686	9122240				hypothetical protein	blI8178
locusC	BJ6T87840	9122359	9124146	+			hypothetical protein	
locusC	BJ6T87850	9124187	9125296	+	L	COG3335	putative transposase	blr8180
locusC	BJ6T87860	9125307	9126071	−	L	COG3293	putative transposase	blr8181
locusC	BJ6T87870	9126630	9127694	−	L	COG3547	putative transposase	blI8182
locusC	BJ6T87880	9127952	9128536	−			hypothetical protein	blI8183
locusC	BJ6T87890	9128783	9129151	+	K	COG1309	transcriptional regulatory protein TetR family	blI8184
locusC	BJ6T87900	9129127	9129408	+			transcriptional regulatory protein TetR family	blr8185
locusC	BJ6T87910	9129568	9130215	+	S	COG1376	hypothetical protein	blr8186
locusC	BJ6T87920	9130320	9131198	+	Q	COG1028	dehydrogenase	blr8187
locusC	BJ6T87930	9131195	9132043	+	R	COG0596	putative dehalogenase	blr8188
locusC	BJ6T87940	9132056	9132679	+	E	COG0346	hypothetical protein	blr8189
locusC	BJ6T87950	9132952	9133251	+			hypothetical protein	blr8190
locusC	BJ6T87960	9133715	9134068				hypothetical protein	
locusC	BJ6T87970	9134131	9135036	−			putative transposase	
locusC	BJ6T87980	9135702	9135986	−	K	COG1396	probable transcriptional regulator	blI8192
locusC	BJ6T87990	9136311	9136640				hypothetical protein	
locusC	BJ6T88000	9136660	9137544				hypothetical protein	
locusC	BJ6T88010	9138011	9138676				hypothetical protein	
locusC	BJ6T88020	9138673	9138990				hypothetical protein	
locusC	BJ6T88030	9138980	9139720				hypothetical protein	
locusC	BJ6T88040	9139764	9140726				hypothetical protein	
locusC	BJ6T88050	9141059	9141235				hypothetical protein	
locusC	BJ6T88060	9141814	9142680	+	L	COG0582	probable site-specific integrase/recombinase	blr8193
locusC	BJ6T88070	9142373	9143098	+	L	COG3436	putative transposase	blr8194
locusC	BJ6T88080	9143335	9144663	−	L	COG3344	probable group II intron, maturase/reverse transcriptase	blI8195
locusC	BJ6T88090	9144599	9145435	−			putative outer-membrane immunogenic protein precursor	blI8196
locusC	BJ6T88100	9145879	9146547	+	D	COG1192	probable partition protein	blr8197
locusC	BJ6T88110	9146735	9147547	+			hypothetical protein	blr8198
locusC	BJ6T88120	9147552	9148415	−	L	COG1484	putative transposase	blI8199
locusC	BJ6T88130	9148415	9148969	−			putative transposase	blI8200
locusC	BJ6T88140	9149185	9150696	−			putative transposase	
locusC	BJ6T88150	9151885	9152712	−	L	COG2801	putative transposase	blr8261
locusC	BJ6T88160	9152709	9153014	−			putative transposase	blr8260
locusC	BJ6T88170	9153178	9153558	+			hypothetical protein	blI8259
locusC	BJ6T88180	9153515	9153907	+			hypothetical protein	blI8258
locusC	BJ6T88190	9153922	9155349	+	R	COG3378	hypothetical protein	blI8257
locusC	BJ6T88200	9155750	9156301	+			hypothetical protein	blI8256
locusC	BJ6T88210	9156499	9157032	+			hypothetical protein	blI8255
locusC	BJ6T88220	9157032	9157676				hypothetical protein	
locusC	BJ6T88230	9157785	9158063	+	R	COG3740	hypothetical protein	bsI8253
locusC	BJ6T88240	9158066	9158275	+			hypothetical protein	bsI8252
locusC	BJ6T88250	9158375	9158740	+			hypothetical protein	blI8251
locusC	BJ6T88260	9158877	9160307	+			hypothetical protein	blI8250
locusC	BJ6T88270	9160324	9160527	+	K	COG1278	cold shock protein	<i>cspA</i> bsl8249
locusC	BJ6T88280	9160913	9161143				hypothetical protein	
locusC	BJ6T88290	9162447	9162764	+			hypothetical protein	blI8248
locusC	BJ6T88300	9162790	9163074	−			hypothetical protein	bsr8247
locusC	BJ6T88310	9163382	9163660				hypothetical protein	
locusC	BJ6T88320	9163979	9164221				hypothetical protein	
locusC	BJ6T88330	9164225	9164461				hypothetical protein	
locusC	BJ6T88340	9164461	9164703	−			hypothetical protein	
locusC	BJ6T88350	9165119	9165376				hypothetical protein	bsr8246
locusC	BJ6T88360	9166024	9170349	+			hypothetical protein	
locusC	BJ6T88370	9171084	9171341	−	S	COG3831	hypothetical protein	blI8244
locusC	BJ6T88380	9171940	9172389	+	L	COG3293	putative transposase	bsr8241
locusC	BJ6T88390	9172746	9172967				hypothetical protein	
locusC	BJ6T88400	9173492	9173836	−			hypothetical protein	
locusC	BJ6T88410	9174112	9174390	+	L	COG2963	hypothetical protein	blr8240
locusC	BJ6T88420	9174387	9174743	+	L	COG3436	hypothetical protein	blI8239
locusC	BJ6T88430	9174797	9175069	+			hypothetical protein	blI8238
locusC	BJ6T88440	9175148	9175975	−	L	COG2801	putative transposase	blI8237
locusC	BJ6T88450	9175972	9176277	−			putative transposase	
locusC	BJ6T88460	9176477	9176854	−	L	COG1425	hypothetical protein	blr8234
locusC	BJ6T88470	9177303	9177560	−	L	COG2963	putative transposase	blr8233
locusC	BJ6T88480	9177579	9177746	−			putative transposase	blr8233
locusC	BJ6T88490	9179008	9180114	+	E	COG1509	hypothetical protein	blI8232
locusC	BJ6T88500	9180122	9181744	+	E	COG0405	putative gamma-glutamyltranspeptidase	blI8231
locusC	BJ6T88510	9181741	9182604	+			hypothetical protein	blI8230
locusC	BJ6T88520	9182595	9183641	+	M	COG1181	hypothetical protein	blI8229
locusC	BJ6T88530	9183853	9184032	+			hypothetical protein	bsI8228
locusC	BJ6T88540	9184193	9184468	+			hypothetical protein	blI8227
locusC	BJ6T88550	9184665	9184931				hypothetical protein	
locusC	BJ6T88560	9185123	9185452	−			hypothetical protein	blr8224
locusC	BJ6T88570	9185788	9186111	+			hypothetical protein	blI8223
locusC	BJ6T88580	9186223	9186624	−	L	COG1425	putative transposase	blr8222
locusC	BJ6T88590	9186802	9187029	−	L	COG2801	putative transposase	bsr8221
locusC	BJ6T88600	9187152	9187913	−	L	COG1484	putative transposase	blr8220
locusC	BJ6T88610	9187932	9189473	−			putative transposase	blr8219
locusC	BJ6T88620	9189579	9189881	−	L	COG2801	putative transposase	blr8218
locusC	BJ6T88630	9189602	9190228	−	L	COG2801	hypothetical protein	blr8217
locusC	BJ6T88640	9190225	9190530	−			putative transposase	blr8216
locusC	BJ6T88650	9190585	9190950	−	L	COG1425	putative transposase	blr8215
locusC	BJ6T88660	9190996	9191256	−	L	COG2963	putative transposase	bsr8214
locusC	BJ6T88670	9191469	9191681	+	C	COG1012	hypothetical protein	bsr8213
locusC	BJ6T88680	9191927	9193060	+	H	COG0654	putative monooxygenase	blI8212
locusC	BJ6T88690	9193406	9193630	+	L	COG3316	hypothetical protein	bsI8210
locusC	BJ6T88700	9193492	9194109	+	L	COG3316	hypothetical protein	blI8209
locusC	BJ6T88710	9194033	9194227	+	I	COG2084	hypothetical protein	bsI8208
locusC	BJ6T88720	9194197	9194526	+			hypothetical protein	blI8207
locusC	BJ6T88730	9194533	9195093	+	L	COG3344	probable maturase; reverse transcriptase	blI8206
locusC	BJ6T88740	9195020	9195292	+	L	COG3344	probable reverse transcriptase/maturase family protein	
locusC	BJ6T88750	9195424	9196011	+			probable maturase; reverse transcriptase	blI8205
locusC	BJ6T88760	9196110	9196565	−			hypothetical protein	blr8204
locusC	BJ6T88770	9196738	9197142	+			hypothetical protein	blI8203
locusC	BJ6T88780	9197378	9197644	+			hypothetical protein	blI8202

locusC	BJ6T88790	9198617	9199156	+			hypothetical protein		blI8201
locusC	BJ6T88800	9199454	9200458	+			putative transposase		blI8200
locusC	BJ6T88810	9200528	9201760	−			putative transposase		
locusC	BJ6T88820	9202391	9202693				hypothetical protein		
locusC	BJ6T88830	9203199	9203465				hypothetical protein		
locusC	BJ6T88840	9203923	9204240				hypothetical protein		
locusC	BJ6T88850	9204343	9204639	−			hypothetical protein		bsI8315
locusC	BJ6T88860	9204953	9205195	+			hypothetical protein		
locusC	BJ6T88870	9205374	9205688	+	L	COG2801	hypothetical protein		bsr8316
locusC	BJ6T88880	9206723	9206893				hypothetical protein		
locusC	BJ6T00010	123	428	+			hypothetical protein		blr0001
locusC	BJ6T00020	484	1023	+			hypothetical protein		blr0002
locusC	BJ6T00030	1544	1795				hypothetical protein		
locusC	BJ6T00040	2945	3193	+			hypothetical protein		blr0003
locusC	BJ6T00050	3160	3681	+			hypothetical protein		blr0003
locusC	BJ6T00060	4425	4682	−			hypothetical protein		blI0005
locusC	BJ6T00070	4970	6043	−	F	COG0208	ribonucleoside–diphosphate reductase beta subunit	<i>nrdB</i>	blI0006
locusC	BJ6T00080	6034	7977	−	F	COG0209	probable ribonucleoside–diphosphate reductase		blI0007
locusC	BJ6T00090	8414	8668				hypothetical protein		
locusC	BJ6T00100	8959	9465	−	K	COG0454	putative acetyltransferase		blI0009
locusC	BJ6T00110	10342	10740	−			hypothetical protein		blI0010
locusC	BJ6T00120	10901	11086				hypothetical protein		
locusC	BJ6T00130	11785	12156	+	L	COG1961	hypothetical protein		blr0012
locusC	BJ6T00140	12278	12811	+	L	COG1961	putative transposase		blr0013
locusC	BJ6T00150	12768	12923				hypothetical protein		
locusC	BJ6T00160	13094	13417				hypothetical protein		
locusC	BJ6T00170	13676	14065	−			putative transposase		blI0015
locusC	BJ6T00180	14062	14373	−			hypothetical protein		bsI0016
locusC	BJ6T00190	14735	15040	+			putative transposase		blI0017
locusC	BJ6T00200	15037	15864	+	L	COG2801	putative transposase		blI0018
locusC	BJ6T00210	16185	16514	+			hypothetical protein		blI0019
locusC	BJ6T00220	17135	18367	−	Q	COG2124	hypothetical protein		blI0020
locusC	BJ6T00230	18493	20091	−			hypothetical protein		blI0021
locusC	BJ6T00240	21521	21811	+			hypothetical protein		bsr0022
locusC	BJ6T00250	22133	23077	+	L	COG3335	putative transposase		blr0023
locusC	BJ6T00260	23738	23980	−	L	COG1484	hypothetical protein		blr0024
locusC	BJ6T00270	24722	26236	−			67 kDa Myosin–crossreactive streptococcal antigen homolog		blI0025
locusC	BJ6T00280	26254	26481	−			67 kDa Myosin–crossreactive streptococcal antigen homolog		blI0025
locusC	BJ6T00290	26527	27285	−	Q	COG1028	probable dehydrogenase		blI0026
locusC	BJ6T00300	27735	27953	+			hypothetical protein		bsr0027
locusC	BJ6T00310	28522	29310	+			hypothetical protein		blr0028
locusC	BJ6T00320	29407	29694	+			hypothetical protein		bsr0029
locusC	BJ6T00330	29787	31367	+	L	COG1961	recombinase		blr0030
locusC	BJ6T00340	31432	31671	+			hypothetical protein		blI0031
locusC	BJ6T00350	31754	31939	−			hypothetical protein		bsI0032
locusC	BJ6T00360	32234	32467	+	G	COG0726	hypothetical protein		bsr0033
locusC	BJ6T00370	32880	33305	+	L	COG2963	putative transposase		blr0034
locusC	BJ6T00380	33302	33658	+	L	COG3436	hypothetical protein		blr0035
locusC	BJ6T00390	33645	33947	+	E	COG0834	hypothetical protein		bsr0036
locusC	BJ6T00400	33960	34316	+	E	COG0765	hypothetical protein		blr0037
locusC	BJ6T00410	34574	34855	+	K	COG1396	probable transcriptional regulator		bsr0038
locusC	BJ6T00420	35822	36217	−	S	COG3791	hypothetical protein		blI0040
locusC	BJ6T00430	36852	37238	−			hypothetical protein		blI0042
locusC	BJ6T00440	37299	39281	−	N	COG3505	conjugal transfer protein	<i>traG</i>	blI0043
locusC	BJ6T00450	39323	40498	−	N	COG3843	hypothetical protein		blI0044
locusC	BJ6T00460	41530	42072	−	M	COG0741	probable transglycosylase		blI0045
locusC	BJ6T00470	42442	42777	−			hypothetical protein		blI0046
locusC	BJ6T00480	42812	43357	−	N	COG0681	conjugal transfer protein precursor	<i>traF</i>	blI0047
locusC	BJ6T00490	43354	43872	−			hypothetical protein		blI0048
locusC	BJ6T00500	43859	44125	−			hypothetical protein		bsI0049
locusC	BJ6T00510	44122	44760	−	D	COG1192	putative partition protein		blI0050
locusC	BJ6T00520	44757	45872	−			replication protein A	<i>repA</i>	blI0051
locusC	BJ6T00530	45886	46137	−			hypothetical protein		blI0052
locusC	BJ6T00540	46341	46856	−			hypothetical protein		blI0053
locusC	BJ6T00550	46918	47127				hypothetical protein		
locusC	BJ6T00560	47247	47510	−			hypothetical protein		bsI0054
locusC	BJ6T00570	47760	47975	+	K	COG1396	probable transcriptional regulator		bsr0055
locusC	BJ6T00580	48139	48549	+			hypothetical protein		blr0056
locusC	BJ6T00590	48666	48992	−			hypothetical protein		blI0057
locusC	BJ6T00600	49041	49340	+			hypothetical protein		
locusC	BJ6T00610	49700	50041	+			hypothetical protein		blr0058
locusC	BJ6T00620	50073	50279	−	K	COG1278	cold shock protein	<i>cspA</i>	bsI0059
locusC	BJ6T00630	50714	51487	+	Q	COG0500	hypothetical protein		blr0060
locusC	BJ6T00640	51536	51958	−			hypothetical protein		blI0061
locusC	BJ6T00650	52254	52922	+			Atc1 protein	<i>atc1</i>	blr0062
locusC	BJ6T00660	52998	53927	−			hypothetical protein		blI0063
locusC	BJ6T00670	54254	55306	−			hypothetical protein		blI0064
locusC	BJ6T00680	55369	57462	−	K	COG1475	putative DNA–binding protein		blI0065
locusC	BJ6T00690	57635	58813	−			hypothetical protein		blI0066
locusC	BJ6T00700	59388	59606				hypothetical protein		
locusC	BJ6T00710	59734	59949	+			hypothetical protein		bsr0067
locusC	BJ6T00720	60216	61622	−	L	COG2925	exonuclease I		blI0068
locusC	BJ6T00730	61630	61998	−			hypothetical protein		blI0069
locusC	BJ6T00740	62148	62543	−			hypothetical protein		blI0070
locusC	BJ6T00750	62678	62899	+			hypothetical protein		bsr0071
locusC	BJ6T00760	62975	64225	+			hypothetical protein		blr0072
locusC	BJ6T00770	64226	64681	+			hypothetical protein		blr0073
locusC	BJ6T00780	64674	65801	+			hypothetical protein		blr0074
locusC	BJ6T00790	66164	66718	−			hypothetical protein		blI0075
locusC	BJ6T00800	66834	67748	−			hypothetical protein		blI0076
locusC	BJ6T00810	69844	70356	+			hypothetical protein		blr0077