

ID	# feature	class	assembly	assembly_unit	seq_type	chromosome	genomic_access_start	end	strand	product_accession-non-redundant_n_related_accession	name	symbol	GeneID	locus_tag	feature_interval	product_length	attributes
1	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	1,00	1338	+	WP_012914566.WP_012914566.1	chromosomal ϕ dnaA		57875375	XaFJ1_RS000051338		445	
2	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	1601	2701	+	WP_012914567.WP_012914567.1	DNA polymerase dnaN		57875376	XaFJ1_RS000101101		366	
3	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	2975	4075	+	WP_012914568.WP_012914568.1	DNA replication/ r ϕ C		57875377	XaFJ1_RS000151101		366	
4	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	4189	6651	+	WP_012914569.WP_012914569.1	DNA topoisomerase gyrB		57875378	XaFJ1_RS000202463		820	
5	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	6736	7578	+	WP_012914570.WP_012914570.1	CPBP family intramembrane metal		57875379	XaFJ1_RS000252843		280	
6	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	7646	8452	+	WP_012914571.WP_012914571.1	M48 family metalloproteinase		57875380	XaFJ1_RS000303807		268	
7	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	8611	9804	+	WP_012914572.WP_012914572.1	tetratricopeptide repeat protein		57875381	XaFJ1_RS000351194		397	
8	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	10069	10629	+	WP_187388426.WP_187388426.1	energy transducer TonB		57875382	XaFJ1_RS00040561		186	
9	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	10729	11490	+	WP_012914574.WP_012914574.1	TonB-system ene exxB		57875383	XaFJ1_RS00045762		253	
10	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	11533	11958	+	WP_012914575.WP_012914575.1	biopolymer transporter ExbD		57875384	XaFJ1_RS00050426		141	
11	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	11962	12375	+	WP_012914576.WP_012914576.1	biopolymer transporter ExbD		57875385	XaFJ1_RS00055414		137	
12	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	12562	12987	-	WP_012914577.WP_012914577.1	response regulator		57875386	XaFJ1_RS00060426		141	
13	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	13140	13907	-	WP_012914578.WP_012914578.1	pyridoxine 5'-phosphate synthase		57875387	XaFJ1_RS00065768		255	
14	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	13921	14190	-	WP_045756635.WP_045756635.1	hypothetical protein		57875388	XaFJ1_RS00070270		89	
15	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	14315	15784	-	WP_012914580.WP_012914580.1	cardiolipin synthase		57875389	XaFJ1_RS000751470		489	
16	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	15892	16977	+	WP_012914581.WP_012914581.1	PA0069 family radical SAM protein		57875390	XaFJ1_RS000801086		361	
17	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	17109	17816	-	WP_012914582.WP_012914582.1	2OG-Fe(II) oxygenase		57875391	XaFJ1_RS00085708		235	
18	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	17972	19174	-	WP_012914583.WP_012914583.1	aspartate/tyrosine/aromatic aminot		57875392	XaFJ1_RS000901203		400	
19	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	19426	20586	-	WP_045757121.WP_045757121.1	FMN-dependent lldD		57875393	XaFJ1_RS000951161		386	
20	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	20811	21392	-	WP_012914585.WP_012914585.1	phosphatidylethanolamine N-methyl		57875394	XaFJ1_RS00100582		193	
21	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	21642	22847	+	WP_012914586.WP_012914586.1	trans-2-enoyl-CoA reductase famII		57875395	XaFJ1_RS001051206		401	
22	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	22967	23989	-	WP_045756637.WP_045756637.1	sugar kinase		57875396	XaFJ1_RS001101023		340	
23	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	24402	25067	-	WP_155393844.WP_155393844.1	hypothetical protein		57875397	XaFJ1_RS00115666		221	
24	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	25138	27081	-	WP_012914589.WP_012914589.1	exodeoxyribonuc recD		57875398	XaFJ1_RS001201944		647	
25	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	27078	30743	-	WP_012914590.WP_012914590.1	exodeoxyribonuc recB		57875399	XaFJ1_RS001253666		1221	
26	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	30740	34150	-	WP_045757122.WP_045757122.1	exodeoxyribonuc recC		57875400	XaFJ1_RS001303411		1136	
27	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	34369	35160	+	WP_012914592.WP_012914592.1	ATP-binding cassette domain-cont		57875401	XaFJ1_RS00135792		263	
28	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	35160	35909	+	WP_012914593.WP_012914593.1	MlaE family lipid ABC transporter ρ		57875402	XaFJ1_RS00140750		249	
29	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	35979	36521	+	WP_012914594.WP_012914594.1	outer membrane mlaD		57875403	XaFJ1_RS00145543		180	
30	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	36518	37180	+	WP_012914595.WP_012914595.1	ABC transporter substrate-binding		57875404	XaFJ1_RS00150663		220	
31	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	37170	37484	+	WP_012914596.WP_012914596.1	STAS domain-containing protein		57875405	XaFJ1_RS00155315		104	
32	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	37488	38552	-	WP_012914597.WP_012914597.1	MlaA family lipoprotein		57875406	XaFJ1_RS001601065		354	
33	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	38801	39343	-	WP_012914598.WP_012914598.1	glutathione peroxidase		57875407	XaFJ1_RS00165543		180	
34	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	39611	41200	-	WP_045757123.WP_045757123.1	DNA recombinant rmcC		57875409	XaFJ1_RS001751590		529	
35	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	41380	42798	-	WP_012914600.WP_012914600.1	glucuronate isomerase uxaC		57875410	XaFJ1_RS001801419		472	
36	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	42840	43823	-	WP_012914601.WP_012914601.1	endo-1,4-beta-xylanase		57875411	XaFJ1_RS00185984		327	
37	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	43923	45218	-	WP_012914602.WP_012914602.1	MFS transporter		57875412	XaFJ1_RS001901296		431	
38	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	45721	48642	+	WP_012914603.WP_012914603.1	TonB-dependent receptor		57875413	XaFJ1_RS001952922		973	
39	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	48723	50204	+	WP_012914604.WP_012914604.1	MFS transporter		57875414	XaFJ1_RS002001482		493	
40	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	50232	51245	+	WP_012914605.WP_012914605.1	glycoside hydrolase family 43 prot		57875415	XaFJ1_RS002051014		337	
41	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	51337	51540	+	WP_045757125.WP_045757125.1	DUF465 domain-containing protei		57875416	XaFJ1_RS00210204		67	
42	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	51809	54457	-	WP_012914607.WP_012914607.1	glycerol-3-phosphatidyl		57875417	XaFJ1_RS002152649		882	
43	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	54457	55392	-	WP_012914608.WP_012914608.1	hypothetical protein		57875418	XaFJ1_RS002202936		311	
44	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	55920	56978	+	WP_012914609.WP_012914609.1	LacI family transcriptional regulato		57875419	XaFJ1_RS002251059		352	
45	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	57074	60130	+	WP_012914610.WP_012914610.1	TonB-dependent receptor		57875420	XaFJ1_RS002303057		1018	
46	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	60246	61763	+	WP_012914611.WP_012914611.1	tryptophan 7-halogenase		57875421	XaFJ1_RS002351518		505	
47	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	61963	62697	-	WP_012914612.WP_012914612.1	ortidine-5-phospho pyrF		57875422	XaFJ1_RS00240735		244	
48	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	62694	63575	-	WP_012914613.WP_012914613.1	5'-nucleotidase, lipoprotein e(P4)		57875423	XaFJ1_RS00245882		293	
49	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	63852	65033	+	WP_012914614.WP_012914614.1	GGDEF domain-containing protein		57875424	XaFJ1_RS002501182		393	
50	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	65230	66354	-	WP_080929656.WP_080929656.1	alpha/beta hydrolase		57875425	XaFJ1_RS002551125		374	
51	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	67590	68264	+	WP_012914616.WP_012914616.1	CsgG/HfaB family protein		57875427	XaFJ1_RS00265675		224	
52	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	68285	68656	+	WP_045757127.WP_045757127.1	DUF4810 domain-containing prote		57875428	XaFJ1_RS00270372		123	
53	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	68653	69318	+	WP_012914618.WP_012914618.1	DUF799 domain-containing protei		57875429	XaFJ1_RS00275666		221	
54	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	69379	70269	-	WP_012914619.WP_012914619.1	phenylalanine 4-monooxygenase		57875430	XaFJ1_RS00280891		296	
55	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	70395	70877	+	WP_012914620.WP_012914620.1	Lrp/AscC family transcriptional reg		57875431	XaFJ1_RS00285483		160	
56	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	71055	71537	+	WP_049887152.WP_049887152.1	hypothetical protein		57875432	XaFJ1_RS00290483		160	
57	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	71761	73302	-	WP_012914622.WP_012914622.1	mannitol dehydrogenase family pr		57875433	XaFJ1_RS002951542		513	
58	CDS	with_protein	GCF_009931599	Primary Assembl	chromosome	NZ_CP046570.1	73348	76092	-	WP_012914623.WP_012914623.1	glycoside hydrolase family 3 C-ter		57875434	XaFJ1_RS003002745			

72	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	92733	93272	+	WP_012914637, WP_012914637.1	Sec-independent tatB	57875448	XaFJ1_RS00370	540	179
73	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	93269	94012	+	WP_012914638, WP_012914638.1	twin-arginine trar tatC	57875449	XaFJ1_RS00375	744	247
74	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	94128	95027	-	WP_012914639, WP_012914639.1	membrane protein	57875450	XaFJ1_RS00380	900	299
75	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	95103	95825	-	WP_045756642, WP_045756642.1	glutamine amidotransferase	57875451	XaFJ1_RS00385	723	240
76	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	96003	96794	+	WP_012914641, WP_012914641.1	substrate-binding domain-containing	57875452	XaFJ1_RS00390	792	263
77	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	96869	98689	-	WP_012914642, WP_012914642.1	GspE/PuIE family protein	57875453	XaFJ1_RS00395	1821	606
78	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	98770	99678	+	WP_012914643, WP_012914643.1	glycine-tRNA lig: gly G	57875454	XaFJ1_RS00400	909	302
79	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	99834	101084	+	WP_012914644, WP_012914644.1	glycine-tRNA ligase subunit beta	57875455	XaFJ1_RS00405	2151	716
80	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	102136	102798	-	WP_012914645, WP_012914645.1	epoxyqueuosine reductase QueH	57875456	XaFJ1_RS00410	663	220
81	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	103087	103629	-	WP_012914646, WP_012914646.1	AAA family ATPase	57875457	XaFJ1_RS00415	543	180
82	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	103754	105157	+	WP_045756643, WP_045756643.1	MFS transporter	57875458	XaFJ1_RS00420	1404	467
83	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	105154	107553	+	WP_012914648, WP_012914648.1	glycosyl transferase family 36	57875459	XaFJ1_RS00425	2400	799
84	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	107601	110024	-	WP_012914649, WP_012914649.1	AAA family ATPase	57875460	XaFJ1_RS00430	2424	807
85	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	110242	113670	+	WP_012914650, WP_012914650.1	PAS-domain containing protein	57875461	XaFJ1_RS00435	3429	1142
86	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	113799	115655	+	WP_012914651, WP_012914651.1	tetratricopeptide repeat-containing	57875462	XaFJ1_RS00440	1857	618
87	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	115926	118628	+	WP_155393173, WP_155393173.1	TonB-dependent receptor	57875463	XaFJ1_RS00445	2703	900
88	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	118725	119312	+	WP_012914653, WP_012914653.1	2OG-Fe(II) oxygenase	57875464	XaFJ1_RS00450	588	195
89	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	119340	119915	-	WP_012914654, WP_012914654.1	manganese efflu: mntP	57875465	XaFJ1_RS00455	576	191
90	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	120458	121636	-	WP_012914655, WP_012914655.1	hypothetical protein	57875466	XaFJ1_RS00460	1179	392
91	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	122249	122914	-	WP_012914656, WP_012914656.1	response regulator transcription fa	57875467	XaFJ1_RS00465	666	221
92	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	123019	124962	-	WP_012914657, WP_012914657.1	acetate-CoA ligc acs	57875468	XaFJ1_RS00470	1944	647
93	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	125337	125654	+	WP_012914658, WP_012914658.1	DUF485 domain-containing proteir	57875469	XaFJ1_RS00475	318	105
94	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	125651	127381	+	WP_012914659, WP_012914659.1	cation acetate symporter	57875470	XaFJ1_RS00480	1731	576
95	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	127502	128932	+	WP_012914660, WP_012914660.1	coniferyl aldehyde dehydrogenase	57875471	XaFJ1_RS00485	1431	476
96	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	129443	130459	+	WP_187388427, WP_187388427.1	glycerophosphodiester phosphodi	57875472	XaFJ1_RS00490	1017	338
97	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	130560	131432	+	WP_012914662, WP_012914662.1	peptidylprolyl isomerase	57875473	XaFJ1_RS00495	873	290
98	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	131441	132274	+	WP_012914663, WP_012914663.1	hypothetical protein	57875474	XaFJ1_RS00500	834	277
99	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	132353	133132	+	WP_012914664, WP_012914664.1	exodeoxyribonuc xth	57875475	XaFJ1_RS00505	780	259
100	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	133257	133508	-	WP_012914665, WP_012914665.1	GisB/YeaQ/YmgE family stress res	57875476	XaFJ1_RS00510	252	83
101	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	133662	134255	+	WP_045757132, WP_045757132.1	4'-phosphopantetheinyl transferas	57875477	XaFJ1_RS00515	594	197
102	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	134289	135908	-	WP_045757133, WP_045757133.1	alkaline phosphatase D family prot	57875478	XaFJ1_RS00520	1620	539
103	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	135993	136634	+	WP_012914668, WP_012914668.1	16S rRNA (guani rsmG	57875479	XaFJ1_RS00525	642	213
104	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	136722	137519	+	WP_012914669, WP_012914669.1	AAA family ATPase	57875480	XaFJ1_RS00530	798	265
105	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	137519	138436	+	WP_012914670, WP_012914670.1	ParB/RepB/SpoJ family partition	57875481	XaFJ1_RS00535	918	305
106	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	138540	139505	+	WP_012914671, WP_012914671.1	SDF family NAD(P)-dependent oxi	57875482	XaFJ1_RS00540	966	321
107	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	139597	140319	+	WP_012914672, WP_012914672.1	glycosyltransferase family 2 protei	57875483	XaFJ1_RS00545	723	240
108	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	140321	140662	+	WP_012914673, WP_012914673.1	lipid-A-disaccharide synthase N-ter	57875484	XaFJ1_RS00550	342	113
109	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	141120	141356	+	WP_010342733, WP_010342733.1	50S ribosomal pr rpmB	57875485	XaFJ1_RS00555	237	78
110	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	141367	141534	+	WP_169411268, WP_169411268.1	50S ribosomal pr rpmG	57875486	XaFJ1_RS00560	168	575
111	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	141696	143114	+	WP_012914674, WP_012914674.1	cardiolipin synthc clc	57875487	XaFJ1_RS00565	1419	452
112	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	143226	144650	+	WP_045756644, WP_045756644.1	FAD/NAD(P)-binding protein	57875488	XaFJ1_RS00570	1425	474
113	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	144765	146966	+	WP_012914676, WP_012914676.1	DNA helicase II uvrD	57875489	XaFJ1_RS00575	2202	733
114	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	147049	148986	-	WP_012914677, WP_012914677.1	M61 family metalloprotease	57875490	XaFJ1_RS00580	1938	645
115	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	149369	149815	+	WP_012914678, WP_012914678.1	universal stress protein	57875491	XaFJ1_RS00585	447	148
116	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	150486	151067	+	WP_187388428, WP_187388428.1	hypothetical protein	57875492	XaFJ1_RS00590	582	193
117	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	151124	151549	+	WP_012914680, WP_012914680.1	hypothetical protein	57875493	XaFJ1_RS00595	426	141
118	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	151596	151883	-	WP_012914681, WP_012914681.1	DUF2782 domain-containing prote	57875494	XaFJ1_RS00600	288	95
119	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	151976	154744	+	WP_012914682, WP_012914682.1	DNA polymerase polA	57875495	XaFJ1_RS00605	2769	922
120	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	155378	156277	-	WP_012914683, WP_012914683.1	oxygen-depende hemF	57875496	XaFJ1_RS00610	900	299
121	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	156416	156967	-	WP_012914684, WP_012914684.1	hypothetical protein	57875497	XaFJ1_RS00615	552	183
122	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	157200	158581	-	WP_045756645, WP_045756645.1	S9 family peptidase	57875498	XaFJ1_RS00620	2382	793
123	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	159850	161253	+	WP_012914686, WP_012914686.1	cytochrome ubiquinol oxidase subi	57875499	XaFJ1_RS00625	1404	467
124	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	161253	162269	+	WP_012914687, WP_012914687.1	cytochrome d ubi cydB	57875500	XaFJ1_RS00630	1017	338
125	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	162387	163739	+	WP_012914688, WP_012914688.1	AMP-binding protein	57875501	XaFJ1_RS00635	1353	450
126	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	163845	164861	-	WP_012914689, WP_012914689.1	pteridine-dependent deoxygenase	57875502	XaFJ1_RS00640	1017	338
127	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	164858	166213	-	WP_155393039, WP_155393039.1	FAD-dependent oxidoreductase	57875503	XaFJ1_RS00645	1356	451
128	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	166345	166814	+	WP_012914691, WP_012914691.1	xanthomonadin biosynthesis acyl c	57875504	XaFJ1_RS00650	270	89
129	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	167239	167988	+	WP_187388429, WP_187388429.1	1-acyl-sn-glycerol-3-phosphate ac	57875506	XaFJ1_RS00660	750	249
130	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	167998	168285	+	WP_012914695, WP_012914695.1	dehydratase	57875507	XaFJ1_RS00665	288	95
131	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	168282	169256	+	WP_012914696, WP_012914696.1	acyltransferase	57875508	XaFJ1_RS00670	975	324
132	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	169207	169827	+	WP_045757135, WP_045757135.1	hypothetical protein	57875509	XaFJ1_RS00675	621	206
133	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	169865	172231	+	WP_045756647, WP_045756647.1	MMP/L family transporter	57875510	XaFJ1_RS00680	2367	788
134	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	172236	172676	+	WP_045757136, WP_045757136.1	phosphotransferase	57875511	XaFJ1_RS00685	441	146
135	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	172808	173545	+	WP_012914700, WP_012914700.1	3-oxoacyl-ACP re fabG	57875512	XaFJ1_RS00690	738	245
136	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	173685	175361	-	WP_012914701, WP_012914701.1	tannase/feruloyl esterase family al	57875513	XaFJ1_RS00695	1677	558
137	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	175552	177174	-	WP_012914702, WP_012914702.1	NAD(P)/FAD-dependent oxidoredu	57875514	XaFJ1_RS00700	1623	540
138	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	177171	177992	-	WP_012914703, WP_012914703.1	glycosyltransferase family 2 protei	57875515	XaFJ1_RS00705	822	273
139	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	177989	178765	-	WP_012914704, WP_012914704.1	beta-ketoacyl synthase chain lengt	57875516	XaFJ1_RS00710	777	258
140	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	178774	179973	-	WP_012914705, WP_012914705.1	beta-ketoacyl-[acyl-carrier-protein]	57875517	XaFJ1_RS00715	1200	399
141	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	180204	180464	+	WP_012914706, WP_012914706.1	YcgJ domain-containing protein	57875518	XaFJ1_RS00720	261	86
142	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	180457	183774	+	WP_012914707, WP_0129147					

144	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	187935	190619	+	WP_012914710. WP_012914710.1	bifunctional acetate-CoA ligase fa	57875522	XaFJ1_RS00740	2685	894
145	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	190786	191532	-	WP_012914711. WP_012914711.1	hypothetical protein	57875523	XaFJ1_RS00745	747	248
146	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	191614	193623	-	WP_012914712. WP_012914712.1	acetylpropionyl/methylcrotonyl-Co	57875524	XaFJ1_RS00750	2010	669
147	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	193715	194023	-	WP_155393845. WP_155393845.1	hypothetical protein	57875525	XaFJ1_RS00755	309	102
148	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	194086	194277	-	WP_161525127. WP_161525127.1	hypothetical protein	57875526	XaFJ1_RS00760	192	63
149	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	194356	195966	-	WP_012914713. WP_012914713.1	methylcrotonyl-CoA carboxylase	57875527	XaFJ1_RS00765	1611	536
150	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	196023	197186	-	WP_012914714. WP_012914714.1	isovaleryl-CoA dehydrogenase	57875528	XaFJ1_RS00770	1164	387
151	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	197659	198177	+	WP_012914715. WP_012914715.1	c-type cytochrome	57875529	XaFJ1_RS00775	519	172
152	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	198428	198652	+	WP_012914716. WP_012914716.1	hypothetical protein	57875530	XaFJ1_RS00780	225	74
153	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	198656	198805	+	WP_012914717. WP_012914717.1	hypothetical protein	57875531	XaFJ1_RS00785	150	49
154	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	198951	199295	-	WP_187388430. WP_187388430.1	MerC family mercury resistance pr	57875532	XaFJ1_RS00790	345	114
155	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	199415	200740	+	WP_045757137. WP_045757137.1	GTP-binding protein	57875533	XaFJ1_RS00795	1326	441
156	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	200876	201541	+	WP_012914720. WP_012914720.1	alpha/beta hydrolase	57875534	XaFJ1_RS00800	666	221
157	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	201538	202635	+	WP_012914721. WP_012914721.1	cell division protein ZapE	57875535	XaFJ1_RS00805	1098	365
158	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	202915	203373	+	WP_045756649. WP_045756649.1	MarR family transcriptional regulat	57875536	XaFJ1_RS00810	459	152
159	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	203476	203907	+	WP_012914723. WP_012914723.1	organic hydroperoxide resistance	57875537	XaFJ1_RS00815	432	143
160	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	204602	207013	+	WP_012914724. WP_012914724.1	ribonucleoside-diphosphate reduct	57875538	XaFJ1_RS00820	2412	803
161	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	207127	208167	+	WP_012914725. WP_012914725.1	ribonucleotide-diphosphate reduct	57875539	XaFJ1_RS00825	1041	346
162	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	208224	208748	+	WP_012914726. WP_012914726.1	flavodoxin	57875540	XaFJ1_RS00830	525	174
163	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	208827	209159	+	WP_012914727. WP_012914727.1	thioredoxin family protein	57875541	XaFJ1_RS00835	333	110
164	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	209605	210468	+	WP_012914728. WP_012914728.1	NAD-dependent protein deacetyl	57875542	XaFJ1_RS00840	864	287
165	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	210589	211686	+	WP_012914729. WP_012914729.1	NADH:flavin oxidoreductase/NADH	57875543	XaFJ1_RS00845	1098	365
166	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	211748	212623	+	WP_012914730. WP_012914730.1	NAD(P)-dependent oxidoreduct	57875544	XaFJ1_RS00850	876	291
167	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	212850	214823	-	WP_012914731. WP_012914731.1	hypothetical protein	57875545	XaFJ1_RS00855	1974	657
168	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	215053	217344	-	WP_012914732. WP_012914732.1	5-methyltetrahyd metE	57875546	XaFJ1_RS00860	2292	763
169	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	218224	219174	+	WP_045756650. WP_045756650.1	hypothetical protein	57875547	XaFJ1_RS00865	951	316
170	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	219338	220357	+	WP_045761191. WP_045761191.1	tRNA dihydrouridusA	57875548	XaFJ1_RS00870	1020	339
171	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	220762	221148	+	WP_187388419. WP_187388419.1	hypothetical protein	57875549	XaFJ1_RS00875	387	128
172	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	221223	221906	+	WP_003469280. WP_003469280.1	response regulator transcription fa	57875550	XaFJ1_RS00880	684	227
173	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	221989	223359	+	WP_187388431. WP_187388431.1	two-component sensor histidine ki	57875551	XaFJ1_RS00885	1371	456
174	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	223499	225082	+	WP_012914809. WP_012914809.1	DUF1800 domain-containing prote	57875552	XaFJ1_RS00890	1584	527
175	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	225113	226303	+	WP_012914810. WP_012914810.1	DUF1501 domain-containing prote	57875553	XaFJ1_RS00895	1191	396
176	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	226470	227258	-	WP_045756671. WP_045756671.1	zinc-dependent peptidase	57875554	XaFJ1_RS00900	789	262
177	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	227225	227800	-	WP_045756672. WP_045756672.1	hypothetical protein	57875555	XaFJ1_RS00910	276	91
178	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	227644	228609	+	WP_045757152. WP_045757152.1	bifunctional biotin-[acetyl-CoA-car	57875557	XaFJ1_RS00915	966	321
179	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	228606	229346	+	WP_012914814. WP_012914814.1	type III pantothenate kinase	57875558	XaFJ1_RS00920	741	246
180	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	229356	230159	+	WP_012914815. WP_012914815.1	hypothetical protein	57875559	XaFJ1_RS00925	804	267
181	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	231314	231706	+	WP_155393626. WP_155393626.1	hypothetical protein	57875561	XaFJ1_RS00935	393	130
182	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	231710	232171	+	WP_155393627. WP_155393627.1	hypothetical protein	57875562	XaFJ1_RS00940	462	153
183	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	232810	232962	+	WP_012914816. WP_012914816.1	entericidin A/B family lipoprotein	57875563	XaFJ1_RS00945	153	50
184	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	233064	233204	+	WP_012914817. WP_012914817.1	entericidin A/B family lipoprotein	57875564	XaFJ1_RS00950	141	46
185	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	233401	234690	+	WP_012914818. WP_012914818.1	tryptophan-tRNA ligase	57875565	XaFJ1_RS00955	1290	429
186	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	234850	235782	+	WP_012914819. WP_012914819.1	MBL fold metallo-hydrolase	57875566	XaFJ1_RS00960	933	310
187	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	236186	236680	-	WP_012914820. WP_012914820.1	hypothetical protein	57875567	XaFJ1_RS00965	495	164
188	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	237234	238145	+	WP_045757153. WP_045757153.1	EamA family tran rAD	57875568	XaFJ1_RS00970	912	303
189	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	238184	239326	-	WP_012914822. WP_012914822.1	alpha/beta fold hydrolase	57875569	XaFJ1_RS00975	1143	370
190	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	240344	242065	+	WP_045756675. WP_045756675.1	GDDEF domain-containing protein	57875571	XaFJ1_RS00985	1722	583
191	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	242087	242662	-	WP_012914825. WP_012914825.1	cytochrome b	57875572	XaFJ1_RS00990	576	191
192	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	242659	243750	-	WP_012914826. WP_012914826.1	catalase family peroxidase	57875573	XaFJ1_RS00995	1092	363
193	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	244000	244473	-	WP_012914827. WP_012914827.1	Na ⁺ /H ⁺ antiporter subunit G	57875574	XaFJ1_RS01000	384	127
194	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	244470	244754	-	WP_012914828. WP_012914828.1	K ⁺ /H ⁺ antiporter subunit F	57875575	XaFJ1_RS01005	285	94
195	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	244751	245254	-	WP_012914829. WP_012914829.1	Na ⁺ /H ⁺ antiporter subunit E	57875576	XaFJ1_RS01010	504	167
196	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	245256	246824	-	WP_012914830. WP_012914830.1	monovalent cation/H ⁺ antiporter	57875577	XaFJ1_RS01015	1569	522
197	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	246821	247180	-	WP_012914831. WP_012914831.1	Na ⁺ /H ⁺ antiporter subunit C	57875578	XaFJ1_RS01020	360	119
198	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	247180	250008	-	WP_045757154. WP_045757154.1	monovalent cation/H ⁺ antiporter	57875579	XaFJ1_RS01025	2829	942
199	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	250194	251126	+	WP_045757155. WP_045757155.1	nucleoside-diphosphate sugar epi	57875580	XaFJ1_RS01030	933	310
200	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	251120	251602	-	WP_012914834. WP_012914834.1	DUF962 domain-containing protei	57875581	XaFJ1_RS01035	483	160
201	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	251917	252843	-	WP_012914835. WP_012914835.1	phosphoribosylaminimidazole	57875582	XaFJ1_RS01040	927	308
202	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	252981	253319	+	WP_012914836. WP_012914836.1	DnaJ domain-containing protein	57875583	XaFJ1_RS01045	339	112
203	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	253329	253997	+	WP_012914837. WP_012914837.1	ribulose-phosphate 3-epimerase	57875584	XaFJ1_RS01050	669	222
204	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	253999	254481	+	WP_012914838. WP_012914838.1	GNAT family N-acetyltransferase	57875585	XaFJ1_RS01055	483	160
205	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	255203	256678	+	WP_012914840. WP_012914840.1	anthranilate synthase component I	57875587	XaFJ1_RS01065	1476	493
206	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	256726	257517	+	WP_155393628. WP_155393628.1	hypothetical protein	57875588	XaFJ1_RS01070	792	261
207	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	257517	258095	+	WP_012914841. WP_012914841.1	aminodeoxychorismate/anthranilat	57875589	XaFJ1_RS01075	579	192
208	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	258146	258784	+	WP_012914842. WP_012914842.1	flavin reductase family protein	57875590	XaFJ1_RS01080	639	212
209	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	258835	259893	+	WP_012914843. WP_012914843.1	anthranilate phot trpD	57875591	XaFJ1_RS01085	1059	352
210	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	260063	260857	+	WP_012914844. WP_012914844.1	indole-3-glycerol trpC	57875592	XaFJ1_RS01090	795	264
211	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	260854	261576	+	WP_012914845. WP_012914845.1	haloacid dehalogenase-like hydro	57875593	XaFJ1_RS01095	723	240
212	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	262326	263015	-	WP_012914847. WP_012914847.1	cAMP-activated (crp	57875595	XaFJ1_RS01105	690	229
213	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	263158	263952	+	WP_012914848. WP_012914848.1	adenosylmethion speD	57875596	XaFJ1_RS01110	795	264
214	CDS	with_protein	GCF_009931599 Primary Assembl										

216	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 265938	266366	+	WP_012914851, WP_012914851.1	50S ribosomal pr rplM	57875599	XaFJ1_RS01125 429	142
217	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 266370	266762	+	WP_012914852, WP_012914852.1	30S ribosomal pr rpsl	57875600	XaFJ1_RS01130 393	130
218	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 267465	268076	+	WP_012914853, WP_012914853.1	RNA pyrophosphohydrolase	57875603	XaFJ1_RS01145 612	203
219	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 268156	268365	+	WP_012914854, WP_012914854.1	(2Fe-2S)-binding protein	57875604	XaFJ1_RS01150 210	69
220	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 268467	268897	+	WP_012914855, WP_012914855.1	bacterioferritin bfr	57875605	XaFJ1_RS01155 471	156
221	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 269135	271519	-	WP_155393174, WP_155393174.1	hybrid sensor histidine kinase/resp	57875606	XaFJ1_RS01160 2385	794
222	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 271655	273574	-	WP_012914857, WP_012914857.1	EAL domain-containing response r	57875607	XaFJ1_RS01165 1920	639
223	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 273766	273930	-	WP_155393629, WP_155393629.1	hypothetical protein	57875608	XaFJ1_RS01170 165	54
224	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 274086	274826	+	WP_012914858, WP_012914858.1	hypothetical protein	57875609	XaFJ1_RS01175 741	246
225	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 274831	275286	+	WP_012914859, WP_012914859.1	polymer-forming cytoskeletal prote	57875610	XaFJ1_RS01180 456	151
226	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 275318	275704	+	WP_012914860, WP_012914860.1	iron-sulfur cluster erpA	57875611	XaFJ1_RS01185 387	128
227	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 275753	276679	+	WP_012914861, WP_012914861.1	NAD(+) diphosph nudC	57875612	XaFJ1_RS01190 927	308
228	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 276734	277630	+	WP_012914862, WP_012914862.1	membrane protein	57875613	XaFJ1_RS01195 897	298
229	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 277837	279759	-	WP_012914863, WP_012914863.1	MFS transporter	57875614	XaFJ1_RS01200 1923	640
230	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 279901	282126	-	WP_012914864, WP_012914864.1	TiGR01666 famil yccS	57875615	XaFJ1_RS01205 2226	741
231	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 282368	283657	-	WP_012914865, WP_012914865.1	phosphoribosylat purD	57875616	XaFJ1_RS01210 1290	429
232	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 283921	285507	-	WP_012914866, WP_012914866.1	bifunctional phos purH	57875618	XaFJ1_RS01220 1587	528
233	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 285781	286725	-	WP_012914867, WP_012914867.1	hypothetical protein	57875619	XaFJ1_RS01225 945	314
234	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 287075	287347	-	WP_012914868, WP_012914868.1	DNA-binding trar fis	57875620	XaFJ1_RS01230 273	90
235	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 287460	288191	-	WP_045756677, WP_045756677.1	DUF3426 domain-containing prote	57875621	XaFJ1_RS01235 732	243
236	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 288468	289388	-	WP_012914870, WP_012914870.1	50S ribosomal pr prmA	57875622	XaFJ1_RS01240 921	306
237	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 289613	290980	-	WP_012914871, WP_012914871.1	acetyl-CoA carb acc	57875623	XaFJ1_RS01245 1368	455
238	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 291109	291591	-	WP_012914872, WP_012914872.1	acetyl-CoA carboxylase biotin carb	57875624	XaFJ1_RS01250 483	160
239	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 291644	292120	-	WP_012914873, WP_012914873.1	type II 3-dehydro aroQ	57875625	XaFJ1_RS01255 477	158
240	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 292322	292906	-	WP_012914874, WP_012914874.1	TipA family protein disulfide reduct	57875626	XaFJ1_RS01260 585	194
241	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 292903	295188	-	WP_012914875, WP_012914875.1	protein-disulfide reductase DsbD	57875627	XaFJ1_RS01265 2286	761
242	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 295208	295549	-	WP_012914876, WP_012914876.1	divalent-cation tolerance protein C	57875628	XaFJ1_RS01270 342	113
243	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 295805	296092	+	WP_012914877, WP_012914877.1	co-chaperone GroES	57875629	XaFJ1_RS01275 288	95
244	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 296204	297850	+	WP_012914878, WP_012914878.1	chaperonin GroE groL	57875630	XaFJ1_RS01280 1647	548
245	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 298576	301335	+	WP_161525206, WP_161525206.1	TonB-dependent receptor	57875631	XaFJ1_RS01285 2760	919
246	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 301722	302795	+	WP_012914880, WP_012914880.1	3-deoxy-7-phosphoheptulonate syn	57875632	XaFJ1_RS01290 1074	357
247	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 303037	303324	+	WP_012914881, WP_012914881.1	GIY-YIG nuclease family protein	57875633	XaFJ1_RS01295 288	95
248	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 304271	307117	+	WP_049887161, WP_049887161.1	bifunctional [glut glnE	57875634	XaFJ1_RS01300 2847	948
249	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 307168	308229	+	WP_012914885, WP_012914885.1	glycerophosphodiester phosphodie	57875635	XaFJ1_RS01305 1062	353
250	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 309043	310944	+	WP_012914886, WP_012914886.1	S53 family serine peptidase	57875636	XaFJ1_RS01310 1902	633
251	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 311070	312968	+	WP_012914887, WP_012914887.1	S53 family serine peptidase	57875637	XaFJ1_RS01315 1699	632
252	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 313037	313999	-	WP_012914888, WP_012914888.1	mitochondrial fission ELM1 family	57875638	XaFJ1_RS01320 963	320
253	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 314137	314727	+	WP_012914889, WP_012914889.1	malonic semialdehyde reductase	57875639	XaFJ1_RS01325 591	196
254	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 314812	315441	+	WP_012914890, WP_012914890.1	YeeI family protein	57875640	XaFJ1_RS01330 630	209
255	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 315554	315913	-	WP_045757159, WP_045757159.1	hypothetical protein	57875641	XaFJ1_RS01335 360	119
256	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 316020	316274	-	WP_146084038, WP_146084038.1	hypothetical protein	57875642	XaFJ1_RS01340 255	84
257	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 316286	317284	-	WP_187388420, WP_187388420.1	radical SAM protein	57875643	XaFJ1_RS01345 999	332
258	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 317734	318117	-	WP_012914893, WP_012914893.1	STAS domain-containing protein	57875644	XaFJ1_RS01350 384	127
259	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 318114	318554	-	WP_045756682, WP_045756682.1	ATP-binding protein	57875645	XaFJ1_RS01355 441	146
260	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 318551	320527	-	WP_045756683, WP_045756683.1	SpolIE family protein phosphatase	57875646	XaFJ1_RS01360 1977	658
261	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 320736	323426	+	WP_012914896, WP_012914896.1	pyruvate dehydr acE	57875647	XaFJ1_RS01365 2691	896
262	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 323740	323952	+	WP_012914897, WP_012914897.1	type II toxin-antitoxin system HicB	57875648	XaFJ1_RS01370 213	70
263	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 324550	325089	+	WP_012914899, WP_012914899.1	gamma carbonic anhydrase family	57875649	XaFJ1_RS01375 540	179
264	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 325355	326665	+	WP_012914900, WP_012914900.1	MFS transporter	57875650	XaFJ1_RS01380 1311	436
265	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 326913	328118	+	WP_045756684, WP_045756684.1	efflux RND transporter periplasmic	57875651	XaFJ1_RS01385 1206	401
266	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 328129	331257	+	WP_012914902, WP_012914902.1	multidrug efflux RND transporter p	57875652	XaFJ1_RS01390 3129	1042
267	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 331254	332693	+	WP_012914903, WP_012914903.1	efflux transporter outer membrane	57875653	XaFJ1_RS01395 1440	479
268	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 332920	333777	+	WP_012914904, WP_012914904.1	serine protein kinase RIO	57875654	XaFJ1_RS01400 858	285
269	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 334042	335001	+	WP_012914905, WP_012914905.1	alpha/beta hydrolase	57875655	XaFJ1_RS01405 960	319
270	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 335033	336925	-	WP_012914906, WP_012914906.1	tRNA uridine-5-c mmmG	57875656	XaFJ1_RS01410 1893	630
271	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 338511	339125	+	WP_012914908, WP_012914908.1	YdcF family protein	57875658	XaFJ1_RS01420 615	204
272	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 339293	340189	-	WP_012914909, WP_012914909.1	malonyl-ACP O- r bioC	57875659	XaFJ1_RS01425 897	298
273	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 340335	341117	-	WP_012914910, WP_012914910.1	SDR family oxidoreductase	57875660	XaFJ1_RS01430 783	260
274	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 341204	341965	-	WP_012914911, WP_012914911.1	pimeloyl-ACP me bioH	57875661	XaFJ1_RS01435 762	253
275	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 342226	343431	-	WP_045756686, WP_045756686.1	8-amino-7-oxono bioF	57875662	XaFJ1_RS01440 1206	407
276	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 343534	344577	-	WP_012914913, WP_012914913.1	biotin synthase B bioB	57875663	XaFJ1_RS01445 1044	341
277	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 344627	345358	+	WP_012914914, WP_012914914.1	ComF family protein	57875664	XaFJ1_RS01450 732	243
278	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 345507	346409	-	WP_012914915, WP_012914915.1	4-hydroxybenzoa ubiA	57875665	XaFJ1_RS01455 903	300
279	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 347009	347857	+	WP_045756688, WP_045756688.1	alpha/beta fold hydrolase	57875667	XaFJ1_RS01465 849	282
280	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 347931	349487	-	WP_045757616, WP_045757616.1	YifB family Mg chelatase-like AAA	57875668	XaFJ1_RS01470 1557	518
281	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 349500	349769	-	WP_012914918, WP_012914918.1	accessory factor Ubik family prote	57875669	XaFJ1_RS01475 270	89
282	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 349945	350283	+	WP_012914919, WP_012914919.1	P-II family nitrogen regulator	57875670	XaFJ1_RS01480 339	112
283	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 350322	351173	-	WP_012914920, WP_012914920.1	polyamine amino speE	57875671	XaFJ1_RS01485 852	283
284	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 351412	353301	+	WP_012914921, WP_012914921.1	arginine decarbo speA	57875672	XaFJ1_RS01490 1890	629
285	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 353870	357895	+	WP_080928035, WP_080928035.1	non-ribosomal peptide synthetase	57875673	XaFJ1_RS01495 4026	1341
286	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 357888	359216	+	WP_012914923, WP_012914923.1	glycosyltransferase	57875674	XaFJ1_RS01500 1329	442
287	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 359672	360559	+	WP_012914924, WP_012914924.1	hypothetical protein	57875675	XaFJ1_RS01505 888	295

288	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 360744	361859	+	WP_012914925. WP_012914925.1	acyltransferase	57875676	XaFJ1_RS015101116	371
289	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 361891	363930	-	WP_045757162. WP_045757162.1	TonB-dependent receptor	57875677	XaFJ1_RS015152040	679
290	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 364533	365288	-	WP_012914927. WP_012914927.1	SDR family NAD(P)-dependent oxidoreductase	57875678	XaFJ1_RS01520756	251
291	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 365464	366291	-	WP_012914928. WP_012914928.1	SPOR domain-containing protein	57875679	XaFJ1_RS01525828	275
292	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 366310	367998	-	WP_012914929. WP_012914929.1	arginine-tRNA ligase	57875680	XaFJ1_RS015301689	562
293	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 368138	368812	-	WP_012914930. WP_012914930.1	DNA repair prote radC	57875681	XaFJ1_RS01535675	224
294	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 368948	370195	+	WP_045756690. WP_045756690.1	bifunctional phospho coaBC	57875682	XaFJ1_RS015401248	415
295	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 370192	370662	+	WP_012914932. WP_012914932.1	dUTP diphosphat dnt	57875683	XaFJ1_RS01545471	156
296	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 371636	373045	+	WP_196297423. WP_196297423.1	phosphomannosyltransferase/phosphoglucosyltransferase	62675586	XaFJ1_RS158351410	469
297	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 373095	373781	-	WP_012914934. WP_012914934.1	hypothetical protein	57875685	XaFJ1_RS01555687	228
298	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 373807	374457	-	WP_012914935. WP_012914935.1	orotate phosphor pyrE	57875686	XaFJ1_RS01560651	216
299	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 374573	375373	+	WP_012914936. WP_012914936.1	exodeoxyribonuc xth	57875687	XaFJ1_RS01565801	266
300	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 375370	376734	+	WP_012914937. WP_012914937.1	MFS transporter	57875688	XaFJ1_RS015701365	454
301	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 376894	377121	+	WP_012914938. WP_012914938.1	hypothetical protein	57875689	XaFJ1_RS01575228	75
302	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 377143	378270	-	WP_012914939. WP_012914939.1	anhydro-N-acetylmuramic acid kinase	57875690	XaFJ1_RS015801128	375
303	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 378369	379820	-	WP_012914940. WP_012914940.1	M23 family metalloproteinase	57875691	XaFJ1_RS015851452	483
304	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 379990	381201	+	WP_012914941. WP_012914941.1	tyrosine-tRNA ligase	57875692	XaFJ1_RS015901212	403
305	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 387455	388522	+	WP_012914942. WP_012914942.1	NAD(P)-dependent alcohol dehydrogenase	57875698	XaFJ1_RS016201068	355
306	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 388821	389870	-	WP_155393051. WP_155393051.1	hypothetical protein	57875699	XaFJ1_RS01625150	49
307	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 389189	389842	-	WP_187388432. WP_187388432.1	hypothetical protein	57875700	XaFJ1_RS01630654	217
308	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 390049	391263	+	WP_012914945. WP_012914945.1	peptidoglycan DD-metalloendopeptidase	57875701	XaFJ1_RS016351215	404
309	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 391369	392841	+	WP_012914946. WP_012914946.1	PDZ domain-containing protein	57875702	XaFJ1_RS016401473	490
310	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 392896	393279	-	WP_012914947. WP_012914947.1	D-2-hydroxyacid dehydrogenase fructose	57875703	XaFJ1_RS01645984	327
311	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 393884	394204	-	WP_045756693. WP_045756693.1	DUF1820 family protein	57875704	XaFJ1_RS01650321	106
312	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 394242	394919	-	WP_012914949. WP_012914949.1	rhomoid family intramembrane serine protease	57875705	XaFJ1_RS01655678	225
313	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 395168	396508	+	WP_012914950. WP_012914950.1	outer membrane protein transport	57875706	XaFJ1_RS016601341	446
314	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 396702	399932	-	WP_045756695. WP_045756695.1	bifunctional prolif putA	57875707	XaFJ1_RS016653231	1076
315	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 400160	400636	+	WP_012914952. WP_012914952.1	DUF2244 domain-containing protein	57875708	XaFJ1_RS01670477	158
316	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 400657	401649	+	WP_012914953. WP_012914953.1	cytochrome c oxidase	57875709	XaFJ1_RS01675993	330
317	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 401681	403291	+	WP_012914954. WP_012914954.1	cytochrome c oxidase cxiA	57875710	XaFJ1_RS016801611	536
318	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 403419	404009	+	WP_012914956. WP_012914956.1	cytochrome c oxidase assembly protein	57875711	XaFJ1_RS01685591	196
319	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 404031	404906	+	WP_012914957. WP_012914957.1	cytochrome c oxidase subunit 3	57875712	XaFJ1_RS01690876	791
320	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 405132	405350	-	WP_012914958. WP_012914958.1	twin transmembrane helix small protein	57875713	XaFJ1_RS01695219	292
321	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 405381	406139	+	WP_012914959. WP_012914959.1	SURF1 family protein	57875714	XaFJ1_RS01700759	252
322	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 406187	406742	+	WP_012914960. WP_012914960.1	hypothetical protein	57875715	XaFJ1_RS01705576	191
323	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 406754	407917	+	WP_012914961. WP_012914961.1	COX15/CtaA family protein	57875716	XaFJ1_RS017101164	387
324	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 407914	408813	+	WP_012914962. WP_012914962.1	heme o synthase	57875717	XaFJ1_RS01715900	299
325	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 408859	410433	-	WP_045756696. WP_045756696.1	thioredoxin family protein	57875718	XaFJ1_RS017201575	524
326	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 410622	411611	-	WP_045756697. WP_045756697.1	bile acid:sodium symporter	57875719	XaFJ1_RS01725990	329
327	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 411860	413008	+	WP_045756698. WP_045756698.1	hypothetical protein	57875720	XaFJ1_RS017301149	382
328	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 413144	414880	-	WP_012914966. WP_012914966.1	DNA primase	57875721	XaFJ1_RS017351737	578
329	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 414944	415852	-	WP_045756699. WP_045756699.1	YihY/virulence factor BirkB family protein	57875722	XaFJ1_RS01740909	302
330	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 415981	416427	-	WP_045756700. WP_045756700.1	GatB/YqeY domain-containing protein	57875723	XaFJ1_RS01745447	148
331	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 416659	416874	-	WP_003465342. WP_003465342.1	30S ribosomal pr rpsU	57875724	XaFJ1_RS01750216	71
332	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 418137	418496	+	WP_012914970. WP_012914970.1	dihydroneopterin folB	57875726	XaFJ1_RS01760360	119
333	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 418944	421121	+	WP_012914971. WP_012914971.1	glycoside hydrolase family 3 C-ter	57875727	XaFJ1_RS017652178	725
334	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 421213	422508	-	WP_045757165. WP_045757165.1	APC family permease	57875728	XaFJ1_RS017701296	431
335	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 422779	423882	-	WP_012914973. WP_012914973.1	dipeptide epimerase	57875729	XaFJ1_RS017751104	367
336	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 423879	425270	-	WP_045757166. WP_045757166.1	SH3 domain-containing protein	57875730	XaFJ1_RS017801392	463
337	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 425515	426333	+	WP_012914975. WP_012914975.1	N-acetylmuramoyl-L-alanine amidase	57875731	XaFJ1_RS01785819	272
338	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 426479	426868	+	WP_012914976. WP_012914976.1	hypothetical protein	57875732	XaFJ1_RS01790390	129
339	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 427098	427469	+	WP_012914977. WP_012914977.1	hypothetical protein	57875733	XaFJ1_RS01795372	123
340	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 427983	428522	+	WP_045757167. WP_045757167.1	hypothetical protein	57875734	XaFJ1_RS01800540	179
341	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 428649	430010	+	WP_012914979. WP_012914979.1	VOC family protein	57875735	XaFJ1_RS018051362	453
342	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 430138	431508	-	WP_012914980. WP_012914980.1	M17 family metalloproteinase	57875736	XaFJ1_RS018101371	456
343	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 431572	432306	-	WP_045756702. WP_045756702.1	HAD-IA family hydrolase	57875737	XaFJ1_RS01815735	244
344	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 432397	433518	-	WP_045756703. WP_045756703.1	AI-2E family transporter	57875738	XaFJ1_RS018201122	373
345	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 434092	434583	-	WP_012914984. WP_012914984.1	hypothetical protein	57875740	XaFJ1_RS01830492	163
346	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 434589	434960	-	WP_012914985. WP_012914985.1	hypothetical protein	57875741	XaFJ1_RS01835372	123
347	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 435123	436599	-	WP_012914986. WP_012914986.1	Do family serine endopeptidase	57875742	XaFJ1_RS018401437	478
348	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 437002	437655	+	WP_012914987. WP_012914987.1	hypothetical protein	57875743	XaFJ1_RS01845654	217
349	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 437701	438480	-	WP_080931579. WP_080931579.1	1-acyl-sn-glycerol-3-phosphate acyltransferase	57875744	XaFJ1_RS01850780	259
350	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 438958	439347	-	WP_012914989. WP_012914989.1	hypothetical protein	57875745	XaFJ1_RS01855390	129
351	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 439628	440446	-	WP_045757168. WP_045757168.1	HDOD domain-containing protein	57875747	XaFJ1_RS01865819	272
352	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 440747	441220	-	WP_012914991. WP_012914991.1	DUF1456 family protein	57875749	XaFJ1_RS01875474	157
353	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 441477	442985	+	WP_012914992. WP_012914992.1	glycerol-3-phospho glyD	57875750	XaFJ1_RS018801509	502
354	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 443155	443973	+	WP_012914993. WP_012914993.1	aquaporin family protein	57875751	XaFJ1_RS01885819	272
355	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 444067	445566	+	WP_012914994. WP_012914994.1	glycerol kinase G glyK	57875752	XaFJ1_RS018901500	499
356	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 445866	446915	+	WP_045756705. WP_045756705.1	aldo/keto reductase	57875753	XaFJ1_RS018951050	349
357	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 446906	447787	+	WP_012914996. WP_012914996.1	amidohydrolase family protein	57875754	XaFJ1_RS01900882	293
358	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 447819	448565	+	WP_012914997. WP_012914997.1	SDR family oxidoreductase	57875755	XaFJ1_RS01905747	248
359	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 448591	449448	+	WP_012914998. WP_012914998.1	fumarylacetoacetate hydrolase fam	57875756	XaFJ1_RS01910858	285

360	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 449700	451019	+	WP_012914999, WP_012914999.1	L-fuconate dehydratase	57875757	XaFJ1_RS019151320	439
361	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 451203	451571	-	WP_012915000, WP_012915000.1	L-rhamnose mutarotase	57875758	XaFJ1_RS01920369	122
362	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 451575	452882	-	WP_012915001, WP_012915001.1	L-fucose-H+ sym fucP	57875759	XaFJ1_RS019251308	435
363	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 453243	453998	+	WP_012915002, WP_012915002.1	IcdR family transcriptional regulator	57875760	XaFJ1_RS01930756	251
364	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 454134	454505	-	WP_012915003, WP_012915003.1	STN domain-containing protein	57875761	XaFJ1_RS01935372	123
365	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 454685	456439	-	WP_012915004, WP_012915004.1	glutamine-tRNA ligase/YqeY domi	57875762	XaFJ1_RS019401755	584
366	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 456693	456920	+	WP_012915005, WP_012915005.1	DUF2007 domain-containing prote	57875763	XaFJ1_RS01945228	75
367	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 457068	457508	+	WP_012915006, WP_012915006.1	SgcJ/EcaC family oxidoreductase	57875764	XaFJ1_RS01950441	146
368	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 457570	458220	+	WP_012915007, WP_012915007.1	peptide-methionin msrA	57875765	XaFJ1_RS01955651	216
369	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 458244	459212	-	WP_012915008, WP_012915008.1	transaldolase	57875766	XaFJ1_RS01960969	322
370	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 459495	460445	-	WP_012915009, WP_012915009.1	LysR family transcriptional regulat	57875767	XaFJ1_RS01965951	316
371	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 460533	462122	-	WP_012915010, WP_012915010.1	alkyl hydroperoxi ahpF	57875768	XaFJ1_RS019701590	529
372	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 462299	462865	-	WP_012915011, WP_012915011.1	peroxiredoxin ahpC	57875769	XaFJ1_RS01975567	188
373	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 463107	463940	+	WP_012915012, WP_012915012.1	peptide chain relI prnC	57875770	XaFJ1_RS01980834	277
374	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 464068	465009	+	WP_012915013, WP_012915013.1	prolyl aminopept pip	57875771	XaFJ1_RS01985942	313
375	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 465103	465900	-	WP_012915014, WP_012915014.1	N-formylglutamate amidohydrolase	57875772	XaFJ1_RS01990798	265
376	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 465893	466444	-	WP_045757169, WP_045757169.1	NUDIX hydrolase	57875773	XaFJ1_RS01995552	183
377	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 466564	467487	-	WP_012915016, WP_012915016.1	exodeoxyribonuclease IX	57875774	XaFJ1_RS02000924	307
378	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 467484	468059	-	WP_012915017, WP_012915017.1	nitroreductase	57875775	XaFJ1_RS02005576	191
379	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 468591	470867	+	WP_012915018, WP_012915018.1	DUF1631 domain-containing prote	57875776	XaFJ1_RS020102277	758
380	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 471044	472126	+	WP_012915019, WP_012915019.1	NAD(P) transhydrogenase subunit	57875777	XaFJ1_RS020151083	360
381	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 472134	472625	-	WP_012915020, WP_012915020.1	DUF3106 domain-containing prote	57875778	XaFJ1_RS02020492	163
382	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 472631	473032	-	WP_012915021, WP_012915021.1	hypothetical protein	57875779	XaFJ1_RS02025402	133
383	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 473029	473607	-	WP_012915022, WP_012915022.1	RNA polymerase sigma factor	57875780	XaFJ1_RS02030579	192
384	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 473758	474069	+	WP_045756707, WP_045756707.1	NAD(P)H transhydrogenase subunit	57875781	XaFJ1_RS02035312	103
385	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 474200	475642	+	WP_012915024, WP_012915024.1	NAD(P)(+) transhydrogenase (Re)	57875782	XaFJ1_RS020401443	480
386	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 475679	476098	-	WP_012915025, WP_012915025.1	hypothetical protein	57875783	XaFJ1_RS02045420	139
387	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 476205	476756	+	WP_012915026, WP_012915026.1	putative Fe-S clu suF	57875784	XaFJ1_RS02050552	183
388	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 476885	477964	+	WP_012915027, WP_012915027.1	branched-chain amino acid aminot	57875785	XaFJ1_RS020551080	359
389	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 478004	478579	-	WP_012915028, WP_012915028.1	asparaginase domain-containing p	57875786	XaFJ1_RS02060486	161
390	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 478657	479025	-	WP_012915029, WP_012915029.1	DUF2069 domain-containing prote	57875787	XaFJ1_RS02065369	122
391	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 479022	479618	-	WP_012915030, WP_012915030.1	NAD(P)H:quinon wrbA	57875788	XaFJ1_RS02070597	198
392	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 479695	480969	+	WP_012915031, WP_012915031.1	YihY family inner membrane protei	57875789	XaFJ1_RS020751275	424
393	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 480966	481571	+	WP_012915032, WP_012915032.1	TipA family protein disulfide reduct	57875790	XaFJ1_RS02080606	201
394	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 481673	482017	-	WP_012915033, WP_012915033.1	transcriptional regulator	57875791	XaFJ1_RS02085345	114
395	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 482031	482549	-	WP_012915034, WP_012915034.1	molybdenum cofa moaB	57875792	XaFJ1_RS02090519	172
396	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 482860	484893	-	WP_012915035, WP_012915035.1	glycoside hydrolase family 6 prote	57875793	XaFJ1_RS020952124	707
397	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 485822	487531	-	WP_012915036, WP_012915036.1	tetratricopeptide repeat protein	57875794	XaFJ1_RS021001710	569
398	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 487554	488639	-	WP_012915037, WP_012915037.1	peptide chain relI prfA	57875795	XaFJ1_RS021051086	361
399	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 488617	489900	-	WP_012915038, WP_012915038.1	glutamyl-tRNA reductase	57875796	XaFJ1_RS021101284	427
400	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 489967	491637	+	WP_012915039, WP_012915039.1	tetratricopeptide repeat protein	57875797	XaFJ1_RS021151671	556
401	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 491634	492284	+	WP_012915040, WP_012915040.1	lipoprotein inserti lolB	57875798	XaFJ1_RS02120651	216
402	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 492281	493144	+	WP_045756709, WP_045756709.1	4-cytidine 5'-diphil ispE	57875799	XaFJ1_RS02125864	287
403	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 493372	494331	+	WP_012915042, WP_012915042.1	ribose-phosphate diphosphokinase	57875801	XaFJ1_RS02135960	319
404	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 494443	495087	+	WP_012915043, WP_012915043.1	50S ribosomal protein L25/general	57875802	XaFJ1_RS02140645	214
405	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 495145	495729	+	WP_012915044, WP_012915044.1	aminoacyl-tRNA pth	57875803	XaFJ1_RS02145585	194
406	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 495807	496888	+	WP_012915045, WP_012915045.1	redox-regulated / ychF	57875804	XaFJ1_RS021501092	363
407	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 497420	498610	+	WP_012915046, WP_012915046.1	elongation factor tuf	57875808	XaFJ1_RS021701191	396
408	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 498902	499315	+	WP_012915047, WP_012915047.1	preprotein transk secE	57875810	XaFJ1_RS02180414	137
409	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 499329	499886	+	WP_012915048, WP_012915048.1	transcription terr nusG	57875811	XaFJ1_RS02185558	185
410	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 500089	500517	+	WP_012915049, WP_012915049.1	50S ribosomal pr rpIk	57875812	XaFJ1_RS02190429	142
411	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 500521	501219	+	WP_012915050, WP_012915050.1	50S ribosomal pr rpIA	57875813	XaFJ1_RS02195699	232
412	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 501707	502243	+	WP_012915051, WP_012915051.1	50S ribosomal pr rpJ	57875815	XaFJ1_RS02205537	178
413	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 502307	502675	+	WP_012915052, WP_012915052.1	50S ribosomal pr rpL	57875816	XaFJ1_RS02210369	122
414	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 502960	507111	+	WP_012915053, WP_012915053.1	DNA-directed RH rpob	57875817	XaFJ1_RS022154152	1383
415	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 507267	511484	+	WP_012915054, WP_012915054.1	DNA-directed RH rpoc	57875818	XaFJ1_RS022204218	1405
416	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 511710	512084	+	WP_012915055, WP_012915055.1	30S ribosomal pr rpsL	57875819	XaFJ1_RS02225375	124
417	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 512097	512564	+	WP_012915056, WP_012915056.1	30S ribosomal pr rpsG	57875820	XaFJ1_RS02230468	155
418	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 512704	514794	+	WP_012915057, WP_012915057.1	elongation factor: fusA	57875821	XaFJ1_RS022352091	696
419	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 514882	516072	+	WP_012915046, WP_012915046.1	elongation factor tuf	57875822	XaFJ1_RS022401191	396
420	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 516558	516889	+	WP_010341589, WP_010341589.1	30S ribosomal pr rpsJ	57875823	XaFJ1_RS02245312	103
421	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 516881	517531	+	WP_012915058, WP_012915058.1	50S ribosomal pr rpIk	57875824	XaFJ1_RS02250651	216
422	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 517544	518149	+	WP_012915059, WP_012915059.1	50S ribosomal pr rpId	57875825	XaFJ1_RS02255606	201
423	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 518146	518445	+	WP_003470672, WP_003470672.1	50S ribosomal pr rpIW	57875826	XaFJ1_RS02260300	97
424	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 518456	519283	+	WP_012915060, WP_012915060.1	50S ribosomal pr rpIB	57875827	XaFJ1_RS02265828	295
425	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 519290	519559	+	WP_012915061, WP_012915061.1	30S ribosomal pr rpsS	57875828	XaFJ1_RS02270270	89
426	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 519572	519907	+	WP_003486710, WP_003486710.1	50S ribosomal pr rpIV	57875829	XaFJ1_RS02275336	111
427	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 519925	520650	+	WP_012915062, WP_012915062.1	30S ribosomal pr rpsC	57875830	XaFJ1_RS02280726	241
428	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 520656	521069	+	WP_012915063, WP_012915063.1	50S ribosomal pr rpIP	57875831	XaFJ1_RS02285414	137
429	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 521069	521254	+	WP_012915064, WP_012915064.1	50S ribosomal pr rpIC	57875832	XaFJ1_RS02290186	61
430	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 521266	521535	+	WP_012915065, WP_012915065.1	30S ribosomal pr rpsQ	57875833	XaFJ1_RS02295270	89
431	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 521550	521918	+	WP_012915066, WP_012915066.1	50S ribosomal pr rpIN	57875834	XaFJ1_RS02300369	122

432	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	521934	522251	+	WP_012915067.WP_012915067.1	50S ribosomal pr rplX	57875835	XaFJ1_RS02305318	105
433	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	522263	522805	+	WP_012915068.WP_012915068.1	50S ribosomal pr rplE	57875836	XaFJ1_RS02310543	180
434	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	522871	523176	+	WP_012915069.WP_012915069.1	30S ribosomal pr rpsN	57875837	XaFJ1_RS02315306	101
435	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	523444	523842	+	WP_012915070.WP_012915070.1	30S ribosomal pr rpsH	57875838	XaFJ1_RS02320399	132
436	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	523859	524386	+	WP_012915071.WP_012915071.1	50S ribosomal pr rplF	57875839	XaFJ1_RS02325528	175
437	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	524482	524841	+	WP_012915072.WP_012915072.1	50S ribosomal pr rplR	57875840	XaFJ1_RS02330360	119
438	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	524996	525541	+	WP_012915073.WP_012915073.1	30S ribosomal pr rpsE	57875841	XaFJ1_RS02335546	181
439	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	525534	525725	+	WP_012915074.WP_012915074.1	50S ribosomal pr rpmD	57875842	XaFJ1_RS02340192	63
440	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	525732	526175	+	WP_012915075.WP_012915075.1	50S ribosomal pr rplO	57875843	XaFJ1_RS02345444	147
441	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	526183	527553	+	WP_012915076.WP_012915076.1	preprotein transk secY	57875844	XaFJ1_RS023501371	456
442	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	527893	528249	+	WP_010340453.WP_010340453.1	30S ribosomal pr rpsM	57875845	XaFJ1_RS02355357	118
443	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	528259	528651	+	WP_003470632.WP_003470632.1	30S ribosomal pr rpsK	57875846	XaFJ1_RS02360393	130
444	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	528666	529295	+	WP_012915077.WP_012915077.1	30S ribosomal pr rpsD	57875847	XaFJ1_RS02365630	209
445	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	529345	530343	+	WP_012915078.WP_012915078.1	DNA-directed Rn rhoA	57875848	XaFJ1_RS02370999	332
446	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	530636	531019	+	WP_012915079.WP_012915079.1	50S ribosomal pr rplQ	57875849	XaFJ1_RS02375384	127
447	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	531348	531860	+	WP_012915080.WP_012915080.1	disulfide bond formation protein B	57875851	XaFJ1_RS02385513	170
448	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	532067	534187	+	WP_012915081.WP_012915081.1	TonB-dependent receptor	57875852	XaFJ1_RS023902121	706
449	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	534399	535796	+	WP_012915082.WP_012915082.1	3-deoxy-7-phosphoheptulonate syl	57875853	XaFJ1_RS023951398	465
450	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	535887	536469	+	WP_012915083.WP_012915083.1	DUF2127 domain-containing prote	57875854	XaFJ1_RS02400483	160
451	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	536483	538312	-	WP_012915084.WP_012915084.1	translationali GTF typA	57875855	XaFJ1_RS024051830	609
452	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	538517	539011	+	WP_012915085.WP_012915085.1	peptidylprolyl isomerase	57875856	XaFJ1_RS02410495	164
453	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	539118	539519	+	WP_080929773.WP_080929773.1	hypothetical protein	57875857	XaFJ1_RS02415402	133
454	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	539533	540519	+	WP_012915086.WP_012915086.1	malate dehydrogenase	57875858	XaFJ1_RS02420987	328
455	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	540673	543171	+	WP_045756711.WP_045756711.1	prolyl oligopeptidase family serine	57875859	XaFJ1_RS024252499	832
456	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	543387	543995	-	WP_012915088.WP_012915088.1	glutathione S-transferase N-termin	57875860	XaFJ1_RS02430609	202
457	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	544123	544584	-	WP_012915089.WP_012915089.1	cell wall hydrolase	57875861	XaFJ1_RS02435462	153
458	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	544885	546384	-	WP_012915090.WP_012915090.1	hypothetical protein	57875862	XaFJ1_RS024401500	499
459	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	546480	547652	-	WP_012915091.WP_012915091.1	glycerophosphodiester phosphodi	57875863	XaFJ1_RS024451173	390
460	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	548208	549104	-	WP_045757172.WP_045757172.1	glycerophosphodiester phosphodi	57875864	XaFJ1_RS02450897	298
461	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	549128	551626	-	WP_012915093.WP_012915093.1	TonB-dependent receptor	57875865	XaFJ1_RS024552499	832
462	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	551740	552861	+	WP_012915094.WP_012915094.1	ROK family protein	57875866	XaFJ1_RS024601122	373
463	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	552952	554997	-	WP_012915095.WP_012915095.1	NADPH-dependent 2,4-dienoyl-Co	57875867	XaFJ1_RS024652046	681
464	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	555182	556207	-	WP_012915096.WP_012915096.1	zinc-binding alcohol dehydrogenas	57875868	XaFJ1_RS024701026	341
465	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	556861	557961	+	WP_012915097.WP_012915097.1	OmpA family protein	57875869	XaFJ1_RS024751101	366
466	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	558226	558720	+	WP_012915098.WP_012915098.1	hypothetical protein	57875870	XaFJ1_RS02480495	164
467	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	558766	559593	+	WP_012915099.WP_012915099.1	rRNA pseudouridine synthase	57875871	XaFJ1_RS02485828	275
468	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	559798	561000	-	WP_012915100.WP_012915100.1	glycine C-acetyllyl kbl	57875872	XaFJ1_RS024901203	400
469	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	561190	562221	-	WP_012915101.WP_012915101.1	L-threonine 3-del tldh	57875873	XaFJ1_RS024951032	343
470	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	562371	564530	+	WP_012915102.WP_012915102.1	S46 family peptidase	57875874	XaFJ1_RS025002160	719
471	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	564687	565331	+	WP_012915103.WP_012915103.1	histidine phosphatase family protei	57875875	XaFJ1_RS02505645	214
472	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	565446	566717	+	WP_012915104.WP_012915104.1	bifunctional tetral folC	57875876	XaFJ1_RS025101272	423
473	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	566787	567893	+	WP_012915105.WP_012915105.1	SPOR domain-containing protein	57875877	XaFJ1_RS025151107	368
474	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	567990	568742	+	WP_012915106.WP_012915106.1	CypA family protein	57875878	XaFJ1_RS02520753	250
475	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	568771	570237	+	WP_012915107.WP_012915107.1	amidophosphoril purF	57875879	XaFJ1_RS025251467	488
476	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	570311	571138	+	WP_045757174.WP_045757174.1	ferritin-like domain-containing prot	57875880	XaFJ1_RS02530828	275
477	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	571413	572150	-	WP_012915109.WP_012915109.1	UDP-2,3-diacetyl lpxH	57875881	XaFJ1_RS02535738	245
478	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	572324	572851	-	WP_012915110.WP_012915110.1	phosphatase PAP2 family protein	57875882	XaFJ1_RS02540528	175
479	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	572835	573968	-	WP_012915111.WP_012915111.1	glycosyltransferase family 1 protei	57875883	XaFJ1_RS025451134	377
480	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	574168	575694	-	WP_012915112.WP_012915112.1	exopolyphosphat ppx	57875884	XaFJ1_RS025501527	508
481	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	575749	577845	-	WP_012915113.WP_012915113.1	polyphosphate ki ppk1	57875885	XaFJ1_RS025552097	698
482	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	577857	579182	-	WP_012915114.WP_012915114.1	phosphate regulk phoR	57875886	XaFJ1_RS025601326	441
483	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	579249	579938	-	WP_012915115.WP_012915115.1	phosphate regulk phoB	57875887	XaFJ1_RS02565690	229
484	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	580022	581677	-	WP_187388421.WP_187388421.1	M48 family metalloprotease	57875888	XaFJ1_RS025701656	551
485	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	581817	582131	+	WP_012915117.WP_012915117.1	glutaredoxin 3 grxC	57875889	XaFJ1_RS02575315	104
486	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	582128	582526	+	WP_012915118.WP_012915118.1	carboxymuconolactone decarboxyl	57875890	XaFJ1_RS02580399	132
487	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	582697	583704	+	WP_012915119.WP_012915119.1	isocitrate dehydrogenase	57875891	XaFJ1_RS025851008	335
488	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	583792	584565	-	WP_045757175.WP_045757175.1	Bax inhibitor-1/YccA family protein	57875892	XaFJ1_RS02590774	257
489	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	585562	586857	+	WP_012915121.WP_012915121.1	trigger factor	57875898	XaFJ1_RS026201296	431
490	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	586893	587619	+	WP_012915122.WP_012915122.1	ATP-dependent (clpP	57875899	XaFJ1_RS02625627	208
491	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	587749	589035	+	WP_012915123.WP_012915123.1	ATP-dependent (clpX	57875900	XaFJ1_RS026301287	428
492	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	589206	591680	+	WP_012915124.WP_012915124.1	endopeptidase L ion	57875901	XaFJ1_RS026352475	824
493	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	591906	592178	+	WP_009607753.WP_009607753.1	HU family DNA-binding protein	57875902	XaFJ1_RS02640273	90
494	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	592751	594736	+	WP_012915125.WP_012915125.1	peptidylprolyl isomerase	57875906	XaFJ1_RS026601986	661
495	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	595011	596222	-	WP_045756713.WP_045756713.1	lytic transglycosylase domain-cont	57875907	XaFJ1_RS026651212	403
496	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	596219	596998	-	WP_012915127.WP_012915127.1	hydroxycarboxylgluta glbB	57875908	XaFJ1_RS02670780	259
497	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	597011	597670	+	WP_012915128.WP_012915128.1	hypothetical protein	57875909	XaFJ1_RS02675660	219
498	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	597888	598146	+	WP_012915129.WP_012915129.1	ribonuclease HI mhA	57875910	XaFJ1_RS02680459	152
499	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	598175	598909	+	WP_012915130.WP_012915130.1	DNA polymerase dnaQ	57875911	XaFJ1_RS02685735	244
500	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	598996	599700	-	WP_012915131.WP_012915131.1	protein phosphatase 2C domain-cr	57875912	XaFJ1_RS02690705	134
501	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	600121	600525	+	WP_012915132.WP_012915132.1	hypothetical protein	57875914	XaFJ1_RS02700405	230
502	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	600543	601592	-	WP_012915133.WP_012915133.1	glycosyltransferase family 9 protei	57875915	XaFJ1_RS027051050	349
503	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	601613	602362	+	WP_012915134.WP_012915134.1	3-deoxy-D-manno-octulosonic acid	57875916	XaFJ1_RS02710750	249

504	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 602362	603120	+	WP_012915135. WP_012915135.1	MBL fold metallo-hydrolase	57875917	XaFJ1_RS02715759	252		
505	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 603117	604151	+	WP_012915136. WP_012915136.1	GTP 3'-beta-cyclase moaA	57875918	XaFJ1_RS027201035	344		
506	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 604155	604529	+	WP_012915137. WP_012915137.1	DUF4440 domain-containing prote	57875919	XaFJ1_RS02725375	125		
507	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 604561	605079	+	WP_012915138. WP_012915138.1	cyclic pyranopter moaC	57875920	XaFJ1_RS02730519	172		
508	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 605076	605231	+	WP_012915139. WP_012915139.1	MoA/D/ThiS family protein	57875921	XaFJ1_RS02735246	81		
509	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 605325	605750	+	WP_012915140. WP_012915140.1	molybdenum cofactor biosynthesis	57875922	XaFJ1_RS02740426	141		
510	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 606392	608227	+	WP_012915141. WP_012915141.1	DNA polymerase dnaX	57875925	XaFJ1_RS027551836	611		
511	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 608234	608554	+	WP_012915142. WP_012915142.1	YbaB/EbfC family nucleoid-associ	57875926	XaFJ1_RS02760321	106		
512	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 608640	608831	+	WP_045756714. WP_045756714.1	hypothetical protein	57875927	XaFJ1_RS02765192	63		
513	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 608828	609442	+	WP_012915143. WP_012915143.1	recombination m reCR	57875928	XaFJ1_RS02770615	204		
514	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 609525	609872	+	WP_012915144. WP_012915144.1	histidine triad nucleotide-binding pi	57875929	XaFJ1_RS02775348	115		
515	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 609985	610500	-	WP_012915145. WP_012915145.1	Slp family lipoprotein	57875930	XaFJ1_RS02780516	171		
516	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 610497	612446	-	WP_012915146. WP_012915146.1	DUF3488 and transglutaminase-lik	57875931	XaFJ1_RS027851950	649		
517	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 612439	613395	-	WP_012915147. WP_012915147.1	DUF58 domain-containing protein	57875932	XaFJ1_RS02790957	318		
518	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 613401	614354	-	WP_045756715. WP_045756715.1	MoxR family ATPase	57875933	XaFJ1_RS02795954	317		
519	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 614402	616252	+	WP_012915149. WP_012915149.1	glycosyltransferase family 39 prote	57875934	XaFJ1_RS028001851	616		
520	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 616487	617140	+	WP_045756716. WP_045756716.1	hypothetical protein	57875935	XaFJ1_RS02805654	217		
521	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 617108	617880	-	WP_012915150. WP_012915150.1	Maf family nucleof maf	57875936	XaFJ1_RS02810573	190		
522	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 617802	618311	+	WP_045756717. WP_045756717.1	YceD family protein	57875937	XaFJ1_RS02815510	169		
523	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 618413	618607	+	WP_012915152. WP_012915152.1	50S ribosomal pr rpmF	57875938	XaFJ1_RS02820195	64		
524	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 618704	619687	+	WP_012915153. WP_012915153.1	ketoadyl-ACP synthase III	57875939	XaFJ1_RS02825984	327		
525	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 619913	620857	+	WP_012915154. WP_012915154.1	ACP S-malonylTr: fabD	57875940	XaFJ1_RS02830945	314		
526	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 620948	621691	+	WP_012915155. WP_012915155.1	3-oxoacyl-ACP re fabG	57875941	XaFJ1_RS02835744	247		
527	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 621846	622085	+	WP_012915156. WP_012915156.1	acyl carrier prote acpP	57875942	XaFJ1_RS02840240	79		
528	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 622217	623452	+	WP_012915157. WP_012915157.1	beta-ketoacyl-AC fabF	57875943	XaFJ1_RS028451236	411		
529	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 623619	624968	+	WP_012915158. WP_012915158.1	aminodeoxychrysochrome synthase c	57875944	XaFJ1_RS028501350	449		
530	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 625027	626106	+	WP_045756718. WP_045756718.1	endolytic transgly mitG	57875945	XaFJ1_RS028551080	359		
531	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 626103	626774	+	WP_012915160. WP_012915160.1	dTMP kinase	57875946	XaFJ1_RS02860672	223		
532	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 626771	627733	+	WP_012915161. WP_012915161.1	DNA polymerase III subunit delta'	57875947	XaFJ1_RS02865963	320		
533	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 627730	628083	+	WP_012915162. WP_012915162.1	PilZ domain-containing protein	57875948	XaFJ1_RS02870354	117		
534	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 628293	628769	-	WP_012915163. WP_012915163.1	hypothetical protein	57875950	XaFJ1_RS02880477	158		
535	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 628998	629489	+	WP_155393054. WP_155393054.1	hypothetical protein	57875951	XaFJ1_RS02885492	163		
536	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 629959	630846	+	WP_012915166. WP_012915166.1	methylsulfite I prpB	57875952	XaFJ1_RS02890888	295		
537	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 630884	631489	+	WP_012915167. WP_012915167.1	DUF1003 domain-containing prote	57875953	XaFJ1_RS02895606	201		
538	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 631533	632696	+	WP_012915168. WP_012915168.1	2-methylcitrate sr prpC	57875954	XaFJ1_RS029001164	387		
539	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 632852	635464	+	WP_012915169. WP_012915169.1	Fe/S-dependent acnD	57875955	XaFJ1_RS029052613	870		
540	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 635885	636778	+	WP_012915170. WP_012915170.1	2-methylaconitate prpF	57875956	XaFJ1_RS029101194	397		
541	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 637162	639381	+	WP_012915171. WP_012915171.1	TonB-dependent receptor	57875957	XaFJ1_RS029152220	739		
542	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 639450	640451	+	WP_012915172. WP_012915172.1	nucleoside hydrolase	57875958	XaFJ1_RS029201002	333		
543	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 640508	641164	+	WP_012915173. WP_012915173.1	HAD family phosphatase	57875959	XaFJ1_RS02925657	218		
544	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 641340	644228	+	WP_012915174. WP_012915174.1	TonB-dependent receptor	57875960	XaFJ1_RS029302889	962		
545	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 642428	645192	+	WP_012915175. WP_012915175.1	glycerophosphodiester phosphodi	57875961	XaFJ1_RS02935945	314		
546	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 646444	648699	+	WP_187388433. WP_187388433.1	cache domain-containing protein	57875963	XaFJ1_RS029452256	751		
547	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 649370	649852	-	WP_012915178. WP_012915178.1	peroxiredoxin	57875964	XaFJ1_RS02950483	160		
548	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 650023	650490	+	WP_012915179. WP_012915179.1	Hsp20/alpha crystallin family prote	57875965	XaFJ1_RS02955468	155		
549	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 650627	651511	+	WP_012915180. WP_012915180.1	DnaJ domain-containing protein	57875966	XaFJ1_RS02960885	124		
550	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 651758	652141	-	WP_012915181. WP_012915181.1	twitching motility pilH	57875967	XaFJ1_RS02965384	297		
551	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 652219	653223	-	WP_045756720. WP_045756720.1	acryloyl-CoA reductase	57875968	XaFJ1_RS029701005	334		
552	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 653369	654508	+	WP_012915183. WP_012915183.1	FtsH protease ac hfkK	57875969	XaFJ1_RS029751140	379		
553	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 654505	655362	+	WP_012915184. WP_012915184.1	protease modulator HflC	57875970	XaFJ1_RS02980858	285		
554	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 655669	656961	+	WP_012915185. WP_012915185.1	adenylosuccinate synthase	57875971	XaFJ1_RS029851293	430		
555	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 659026	659331	+	WP_197538483. WP_197538483.1	DUF756 domain-containing protei	62675588	XaFJ1_RS15845306	101		
556	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 659602	661914	-	WP_012915187. WP_012915187.1	TonB-dependent receptor	57875973	XaFJ1_RS029952313	770		
557	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 662185	663060	+	WP_012915188. WP_012915188.1	30S ribosomal pr rimK	57875974	XaFJ1_RS03000876	291		
558	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 663771	664448	+	WP_045728928. WP_045728928.1	response regulator transcription fa	57875975	XaFJ1_RS030005678	226		
559	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 664944	666254	+	WP_012915190. WP_012915190.1	HAMP domain-containing histidine	57875976	XaFJ1_RS030101311	435		
560	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 666327	666950	-	WP_012915191. WP_012915191.1	dephospho-CoA kinase	57875977	XaFJ1_RS03015624	207		
561	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 666963	667826	-	WP_012915192. WP_012915192.1	A24 family peptidase	57875978	XaFJ1_RS03020864	287		
562	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 667833	669104	-	WP_012915193. WP_012915193.1	type II secretion system F family pi	57875979	XaFJ1_RS030251272	423		
563	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 669470	669907	+	WP_012915194. WP_012915194.1	pilin	57875980	XaFJ1_RS03030438	145		
564	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 670057	671784	+	WP_012915195. WP_012915195.1	type IV-A pilus as pilB	57875981	XaFJ1_RS030351728	575		
565	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 671928	673316	-	WP_012915196. WP_012915196.1	sigma-54 dependent transcriptiona	57875982	XaFJ1_RS030401389	462		
566	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 673404	675017	-	WP_012915197. WP_012915197.1	two-component sensor histidine kii	57875983	XaFJ1_RS030451614	537		
567	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 675308	676471	+	WP_012915198. WP_012915198.1	ADP-forming suc succC	57875984	XaFJ1_RS030501164	387		
568	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 676498	677370	+	WP_012915199. WP_012915199.1	succinate-CoA lii succD	57875985	XaFJ1_RS03055873	290		
569	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 678822	679463	-	WP_012915204. WP_012915204.1	hypothetical protein	57875987	XaFJ1_RS03065642	213		
570	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 679460	680104	-	WP_155393650. WP_155393650.1	hypothetical protein	57875988	XaFJ1_RS03070645	214		
571	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 680251	680424	+	WP_203417806. WP_203417806.1	hypothetical protein	57878528	XaFJ1_RS15770174	57		
572	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 680507	681148	-	WP_052688461. WP_052688461.1	hypothetical protein	57875989	XaFJ1_RS03075642	213		
573	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 681145	681789	-	WP_045771456. WP_045771456.1	hypothetical protein	57875990	XaFJ1_RS03080645	214		
574	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 682322	682963	-	WP_049887163. WP_049887163.1	hypothetical protein	57875992	XaFJ1_RS03090642	213		

576	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 685636	685809	+	WP_155393719.WP_155393719.1	hypothetical protein	57878530	XaFJ1_RS15780174	57
577	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 686597	689083	+	WP_082244981.WP_082244981.1	DUF2235 domain-containing prote	57875997	XaFJ1_RS031152487	828
578	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 689470	689742	+	WP_045757769.WP_045757769.1	type IV secretory system conjugati	57875998	XaFJ1_RS03120273	90
579	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 689788	689958	+	WP_012915215.WP_012915215.1	type IV secretory system conjugati	57875999	XaFJ1_RS03125171	56
580	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 690163	691802	+	WP_012915216.WP_012915216.1	NAD+ synthase	57876000	XaFJ1_RS031301650	549
581	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 691827	692810	-	WP_012915217.WP_012915217.1	L-histidine N(alp) egTD	57876001	XaFJ1_RS03135984	327
582	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 692807	694096	-	WP_012915218.WP_012915218.1	ergothioneine bic egTB	57876002	XaFJ1_RS031401290	429
583	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 694167	695375	+	WP_012915219.WP_012915219.1	aminotransferase class V-fold PLP	57876003	XaFJ1_RS031451209	402
584	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 695394	696884	-	WP_012915220.WP_012915220.1	ABC transporter permease subunit	57876004	XaFJ1_RS031501491	496
585	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 696881	697618	-	WP_012915221.WP_012915221.1	ATP-binding cassette domain-cont	57876005	XaFJ1_RS03155738	245
586	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 697810	698885	-	WP_012915222.WP_012915222.1	outer membrane protein assembly	57876006	XaFJ1_RS03160876	291
587	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 698803	699810	+	WP_012915223.WP_012915223.1	23S rRNA pseud rluD	57876007	XaFJ1_RS031651008	335
588	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 699855	700628	+	WP_012915224.WP_012915224.1	peptidoglycan ed pgeF	57876008	XaFJ1_RS03170774	257
589	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 700741	702105	-	WP_012915225.WP_012915225.1	alpha.alpha-trehalose otsA	57876010	XaFJ1_RS031801365	454
590	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 702102	703883	-	WP_012915226.WP_012915226.1	DUF5911 domain-containing prote	57876011	XaFJ1_RS031851782	593
591	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 703968	704720	-	WP_012915227.WP_012915227.1	trehalose-phosph otsB	57876012	XaFJ1_RS03190753	250
592	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 704956	707391	-	WP_012915228.WP_012915228.1	TonB-dependent receptor	57876014	XaFJ1_RS032002436	811
593	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 707701	707868	+	WP_155393058.WP_155393058.1	hypothetical protein	57876015	XaFJ1_RS03205168	55
594	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 708687	709650	+	WP_155393059.WP_155393059.1	HEAT repeat domain-containing pr	57876016	XaFJ1_RS032102984	327
595	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 709659	710597	+	WP_155393060.WP_155393060.1	transposase	57876017	XaFJ1_RS03215939	312
596	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 710591	711526	+	WP_012915231.WP_012915231.1	ATP-binding cassette domain-cont	57876018	XaFJ1_RS03220936	311
597	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 711523	712725	+	WP_012915232.WP_012915232.1	hypothetical protein	57876019	XaFJ1_RS032251203	400
598	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 714035	715291	+	WP_012915233.WP_012915233.1	efflux RND transporter periplasmic	57876021	XaFJ1_RS032351257	418
599	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 715473	716162	+	WP_012915234.WP_012915234.1	ABC transporter ATP-binding prote	57876022	XaFJ1_RS03240690	229
600	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 716178	717344	+	WP_012915235.WP_012915235.1	ABC transporter permease	57876023	XaFJ1_RS032451167	388
601	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 717357	718682	+	WP_012915236.WP_012915236.1	ABC transporter permease	57876024	XaFJ1_RS032501326	441
602	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 719044	719523	+	WP_187388434.WP_187388434.1	DUF3574 domain-containing prote	57876026	XaFJ1_RS03260480	159
603	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 719636	721240	+	WP_012915238.WP_012915238.1	hypothetical protein	57876027	XaFJ1_RS032651605	534
604	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 721426	722265	+	WP_045757184.WP_045757184.1	DUF3014 domain-containing prote	57876028	XaFJ1_RS03270840	279
605	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 722525	725110	+	WP_012915240.WP_012915240.1	ATP-dependent c clpB	57876029	XaFJ1_RS032752586	861
606	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 725506	728244	+	WP_187388435.WP_187388435.1	TonB-dependent receptor	57876030	XaFJ1_RS032802739	912
607	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 728686	729045	+	WP_155393634.WP_155393634.1	hypothetical protein	57876031	XaFJ1_RS03285360	119
608	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 729317	730408	+	WP_012915245.WP_012915245.1	steroid desaturase family protein	57876032	XaFJ1_RS032901092	363
609	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 730558	731769	-	WP_012915246.WP_012915246.1	type III PLP-dependent enzyme	57876033	XaFJ1_RS032951212	403
610	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 731766	733520	-	WP_012915247.WP_012915247.1	iron transporter	57876034	XaFJ1_RS033001755	584
611	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 733498	734664	-	WP_012915248.WP_012915248.1	MFS transporter	57876035	XaFJ1_RS033051167	388
612	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 734661	736454	-	WP_012915249.WP_012915249.1	lucA/lucC family siderophore biosy	57876036	XaFJ1_RS033101794	597
613	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 736451	737677	-	WP_012915250.WP_012915250.1	carboxylate-amine ligase	57876037	XaFJ1_RS033151227	408
614	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 737924	740053	-	WP_012915251.WP_012915251.1	TonB-dependent siderophore rece	57876038	XaFJ1_RS033202130	709
615	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 740076	740807	-	WP_045756728.WP_045756728.1	4-hydroxy-2-oxovalerate aldolase	57876039	XaFJ1_RS03325732	243
616	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 741064	742743	-	WP_012915253.WP_012915253.1	Kef family K(+) transporter	57876040	XaFJ1_RS033301680	559
617	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 743185	744696	+	WP_012915254.WP_012915254.1	MASE1 domain-containing protein	57876041	XaFJ1_RS033351512	503
618	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 744697	745131	-	WP_012915255.WP_012915255.1	hypothetical protein	57876042	XaFJ1_RS03340435	144
619	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 746431	748350	-	WP_012915258.WP_012915258.1	amylsucrase	57876044	XaFJ1_RS033501920	639
620	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 748398	750863	-	WP_012915259.WP_012915259.1	TonB-dependent receptor	57876045	XaFJ1_RS033552466	821
621	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 751017	751154	-	WP_155392934.WP_155392934.1	hypothetical protein	57876046	XaFJ1_RS03360138	45
622	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 751153	752457	+	WP_012915260.WP_012915260.1	MFS transporter	57876047	XaFJ1_RS033651305	434
623	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 752546	753677	-	WP_012915261.WP_012915261.1	LacI family DNA-binding transcript	57876048	XaFJ1_RS033701032	343
624	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 753766	756879	-	WP_080931546.WP_080931546.1	ligand-binding sensor domain-cont	57876049	XaFJ1_RS033753114	1037
625	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 756961	757599	+	WP_012915263.WP_012915263.1	response regulator transcription fa	57876050	XaFJ1_RS03380639	212
626	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 757758	760415	-	WP_045756730.WP_045756730.1	PAS-domain containing protein	57876051	XaFJ1_RS033852658	885
627	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 760543	761718	-	WP_012915265.WP_012915265.1	porin	57876052	XaFJ1_RS033901176	391
628	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 762158	763504	+	WP_012915266.WP_012915266.1	dicarboxylate/mino acid:cation sy	57876053	XaFJ1_RS033951347	448
629	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 763780	766071	+	WP_012915267.WP_012915267.1	NADP-dependent malic enzyme	57876055	XaFJ1_RS034052292	763
630	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 766255	766530	+	WP_045756731.WP_045756731.1	hypothetical protein	57876056	XaFJ1_RS03410276	91
631	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 766858	767103	-	WP_187388436.WP_187388436.1	helix-turn-helix domain-containi	57876057	XaFJ1_RS03415246	81
632	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 767305	767502	+	WP_012915270.WP_012915270.1	zinc-finger domain-containing prot	57876058	XaFJ1_RS03420198	65
633	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 767514	768629	+	WP_012915271.WP_012915271.1	glycosyltransferase	57876059	XaFJ1_RS034251116	371
634	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 768610	769698	+	WP_012915272.WP_012915272.1	O-antigen ligase family protein	57876060	XaFJ1_RS034301359	452
635	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 769976	770920	-	WP_012915273.WP_012915273.1	LpxL/LpxP family Kdo(2)-lipid IV(A	57876061	XaFJ1_RS03435945	314
636	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 771001	772338	+	WP_012915274.WP_012915274.1	lipid IV(A) 3-deox waaA	57876062	XaFJ1_RS034401338	445
637	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 772457	773893	-	WP_012915275.WP_012915275.1	TolC family outer membrane prote	57876063	XaFJ1_RS034451437	478
638	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 773912	774574	-	WP_012915276.WP_012915276.1	protein-L-isoaspartate O-methyltra	57876064	XaFJ1_RS03450663	220
639	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 774710	775300	-	WP_045756732.WP_045756732.1	TetR/AcrR family transcriptional re	57876065	XaFJ1_RS03455591	196
640	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 775669	778695	+	WP_012915278.WP_012915278.1	ligand-binding sensor domain-cont	57876066	XaFJ1_RS034603027	1008
641	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 778776	779855	-	WP_012915279.WP_012915279.1	3-isopropylmalate leuB	57876067	XaFJ1_RS034651080	359
642	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 779845	780423	-	WP_012915280.WP_012915280.1	3-isopropylmalate leuD	57876068	XaFJ1_RS03470579	192
643	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 780423	780602	-	WP_045756733.WP_045756733.1	hypothetical protein	57876069	XaFJ1_RS03475180	59
644	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 780599	782026	-	WP_012915281.WP_012915281.1	3-isopropylmalate leuC	57876070	XaFJ1_RS034801428	475
645	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 782039	782920	-	WP_187388422.WP_187388422.1	class I SAM-dependent methyltran	57876071	XaFJ1_RS03485858	285
646	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 782851	784404	-	WP_012915283.WP_012915283.1	2-isopropylmalate synthase	57876072	XaFJ1_RS034901554	517
647	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 784401	785507	-	WP_012915284.WP_012915284.1	threonine dehydratase	57876073	XaFJ1_RS034951107	368

648	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	785703	785951	-	WP_012915285.WP_012915285.1	acetolactate synthase	57876074	XaFJ1_RS03500249	82		
649	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	785935	787659	-	WP_012915286.WP_012915286.1	acetolactate synthase 2 catalytic s	57876075	XaFJ1_RS035051725	574		
650	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	787699	788706	-	WP_012915287.WP_012915287.1	ketol-acid reducti ilvC	57876076	XaFJ1_RS035101008	335		
651	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	789399	791249	+	WP_012915288.WP_012915288.1	methyl-accepting chemotaxis prote	57876077	XaFJ1_RS035151851	616		
652	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	791681	793558	+	WP_045757192.WP_045757192.1	phosphomethylip; thiC	57876078	XaFJ1_RS035201878	625		
653	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	794063	795178	-	WP_012915290.WP_012915290.1	HDOD domain-containing protein	57876079	XaFJ1_RS035251116	371		
654	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	796337	796570	-	WP_012915291.WP_012915291.1	inorganic diphos; ppa	57876080	XaFJ1_RS03530534	177		
655	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	796609	796569	+	WP_045756734.WP_045756734.1	hypothetical protein	57876081	XaFJ1_RS03535501	166		
656	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	796609	796636	-	WP_012915293.WP_012915293.1	sodium-translocating pyrophospha	57876082	XaFJ1_RS035402028	675		
657	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	798891	799424	+	WP_012915294.WP_012915294.1	hypothetical protein	57876083	XaFJ1_RS03545534	177		
658	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	799575	800831	-	WP_012915295.WP_012915295.1	6-phosphofructokinase	57876084	XaFJ1_RS035501257	418		
659	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	800973	801536	+	WP_012915296.WP_012915296.1	adenylate kinase	57876085	XaFJ1_RS03555564	187		
660	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	801769	803145	+	WP_012915297.WP_012915297.1	UDP-N-acetyimu mpl	57876086	XaFJ1_RS035601377	458		
661	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	803078	803755	+	WP_187388423.WP_187388423.1	LOH peptidase substrate-binding c	57876087	XaFJ1_RS03565678	225		
662	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	804039	804500	+	WP_012915299.WP_012915299.1	protease inhibitor i42 family protei	57876088	XaFJ1_RS03570462	153		
663	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	805547	828781	+	WP_161525129.WP_161525129.1	non-ribosomal peptide synthase/pc	57876089	XaFJ1_RS0357523235	7744		
664	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	828990	831005	-	WP_012915301.WP_012915301.1	bifunctional DedA family/phosphat	57876090	XaFJ1_RS035802016	671		
665	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	831054	831710	+	WP_012915302.WP_012915302.1	serine/threonine protein kinase	57876091	XaFJ1_RS03585657	218		
666	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	831862	832284	+	WP_012915303.WP_012915303.1	VOC family protein	57876092	XaFJ1_RS03590423	140		
667	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	832367	833599	+	WP_012915304.WP_012915304.1	acetylornithine transaminase	57876093	XaFJ1_RS035951233	410		
668	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	833622	834914	-	WP_012915305.WP_012915305.1	glutamate-1-sem hemL	57876094	XaFJ1_RS036001293	430		
669	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	835106	835729	-	WP_012915306.WP_012915306.1	thiamine phosphate synthase	57876095	XaFJ1_RS03605624	207		
670	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	835807	835998	+	WP_012915307.WP_012915307.1	rubredoxin	57876096	XaFJ1_RS03610192	63		
671	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	836216	837061	-	WP_045756736.WP_045756736.1	SirB1 family protein	57876097	XaFJ1_RS03615846	281		
672	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	837168	837617	-	WP_012915309.WP_012915309.1	DUF192 domain-containing protei	57876098	XaFJ1_RS03620450	149		
673	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	837823	838470	-	WP_012915310.WP_012915310.1	ribose-5-phosphz rpiA	57876099	XaFJ1_RS03625648	215		
674	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	838521	838991	-	WP_012915311.WP_012915311.1	EVE domain-containing protein	57876100	XaFJ1_RS03630471	156		
675	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	838988	839581	-	WP_012915312.WP_012915312.1	5-formyltetrahydrofolate cyclo-ligat	57876101	XaFJ1_RS03635594	197		
676	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	840162	840455	-	WP_012915313.WP_012915313.1	cell division protein ZapA	57876103	XaFJ1_RS03645294	97		
677	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	840452	840673	-	WP_012915314.WP_012915314.1	TIGR02449 family protein	57876104	XaFJ1_RS03650222	73		
678	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	840741	842960	-	WP_045756737.WP_045756737.1	EAL domain-containing protein	57876105	XaFJ1_RS036552220	739		
679	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	843124	843669	+	WP_012915316.WP_012915316.1	YecA family protein	57876106	XaFJ1_RS03660546	181		
680	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	843669	844994	+	WP_012915317.WP_012915317.1	aminopeptidase P N-terminal dom	57876107	XaFJ1_RS036651326	441		
681	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	845031	846353	-	WP_012915318.WP_012915318.1	Xaa-Pro dipeptid pepQ	57876108	XaFJ1_RS036701323	440		
682	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	846508	846852	-	WP_012915319.WP_012915319.1	R4E5 domain-containing protein	57876109	XaFJ1_RS03675345	114		
683	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	846849	849239	-	WP_161525131.WP_161525131.1	DUF1631 domain-containing prote	57876110	XaFJ1_RS036802391	796		
684	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	849316	850539	-	WP_045756739.WP_045756739.1	radical SAM family hemW	57876111	XaFJ1_RS036851224	407		
685	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	850557	851156	-	WP_012915322.WP_012915322.1	RdgB/HAM1 fam rdgB	57876112	XaFJ1_RS03690600	199		
686	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	851242	851967	-	WP_012915323.WP_012915323.1	ribonuclease PH rph	57876113	XaFJ1_RS03695726	241		
687	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	852231	853091	+	WP_012915324.WP_012915324.1	YicC family protein	57876114	XaFJ1_RS03700861	286		
688	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	853222	853846	+	WP_012915325.WP_012915325.1	guanylate kinase gmk	57876115	XaFJ1_RS03705627	208		
689	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	853961	854260	+	WP_012915326.WP_012915326.1	DNA-directed RN rhoZ	57876116	XaFJ1_RS03710300	99		
690	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	854362	856533	+	WP_012915327.WP_012915327.1	bifunctional (p)ppGpp synthetase	57876117	XaFJ1_RS037152172	723		
691	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	856648	857031	+	WP_012915328.WP_012915328.1	RidA family protein	57876118	XaFJ1_RS03720364	127		
692	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	857041	859188	+	WP_012915329.WP_012915329.1	ATP-dependent f recG	57876119	XaFJ1_RS037252148	715		
693	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	859341	859871	-	WP_012915330.WP_012915330.1	hypothetical protein	57876120	XaFJ1_RS03730531	176		
694	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	860377	861309	-	WP_012915332.WP_012915332.1	carbohydrate kinase family protei	57876123	XaFJ1_RS03745933	310		
695	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	861567	862613	+	WP_012915333.WP_012915333.1	rod shape-determining protein	57876124	XaFJ1_RS037501047	348		
696	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	862600	863963	+	WP_012915334.WP_012915334.1	rod shape-determ mreC	57876125	XaFJ1_RS037551164	387		
697	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	863960	864445	+	WP_012915335.WP_012915335.1	rod shape-determ mreD	57876126	XaFJ1_RS03760486	161		
698	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	864447	866507	+	WP_012915336.WP_012915336.1	penicillin-binding mrdA	57876127	XaFJ1_RS037652061	686		
699	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	866504	867610	+	WP_012915337.WP_012915337.1	rod shape-determ rodA	57876128	XaFJ1_RS037701107	368		
700	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	867944	869278	+	WP_012915338.WP_012915338.1	virulence factor family protein	57876129	XaFJ1_RS037751335	444		
701	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	869253	870704	+	WP_080929676.WP_080929676.1	endopolygalacturonase	57876130	XaFJ1_RS037801452	483		
702	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	871140	872270	+	WP_012915340.WP_012915340.1	lytic murein trans mlbB	57876131	XaFJ1_RS037851131	376		
703	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	872267	873703	+	WP_012915341.WP_012915341.1	septal ring lytic transglycosylase R	57876132	XaFJ1_RS037901437	478		
704	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	873857	875065	+	WP_012915342.WP_012915342.1	D-alanyl-D-alanine carboxypeptida	57876133	XaFJ1_RS037951209	402		
705	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	875228	875506	+	WP_012915343.WP_012915343.1	YbeD family protein	57876134	XaFJ1_RS03800279	92		
706	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	875494	876195	+	WP_012915344.WP_012915344.1	lipoyl(octanoyl) tr lipB	57876135	XaFJ1_RS03805702	233		
707	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	876218	877228	+	WP_012915345.WP_012915345.1	lipoyl synthase lipA	57876136	XaFJ1_RS038101011	326		
708	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	877474	879651	+	WP_012915346.WP_012915346.1	carboxy terminal-processing peptic	57876137	XaFJ1_RS038152178	735		
709	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	879784	880653	-	WP_012915347.WP_012915347.1	endonuclease/exonuclease/phospl	57876138	XaFJ1_RS03820870	289		
710	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	881374	882798	+	WP_012915349.WP_012915349.1	nicotinate phosphoribosyltransfera	57876140	XaFJ1_RS038301425	474		
711	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	883409	883762	+	WP_045757200.WP_045757200.1	DUF2242 domain-containing prote	57876141	XaFJ1_RS03835714	237		
712	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	883911	884279	+	WP_012915351.WP_012915351.1	glycine zipper 2TM domain-contain	57876142	XaFJ1_RS03840369	122		
713	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	884396	885283	-	WP_012915352.WP_012915352.1	TIGR01777 family oxidoreductase	57876143	XaFJ1_RS03845888	295		
714	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	885469	886767	+	WP_049887205.WP_049887205.1	hypothetical protein	57876144	XaFJ1_RS038501299	432		
715	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	886893	887801	+	WP_012915354.WP_012915354.1	decarboxylating f gnd	57876145	XaFJ1_RS03855909	302		
716	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	888232	888591	+	WP_012915355.WP_012915355.1	hypothetical protein	57876147	XaFJ1_RS03865360	119		
717	CDS	with_pro												

720	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	891581	893095	+	WP_012915359.WP_012915359.1	hybrid sensor histidine kinase/resp	57876151	XaFJ1_RS03885	1515	504
721	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	893619	894122	+	WP_012915360.WP_012915360.1	2-amino-4-hydroxy folK	57876152	XaFJ1_RS03890	504	167
722	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	894349	895083	-	WP_012915361.WP_012915361.1	pteridine reductase	57876153	XaFJ1_RS03895	735	244
723	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	895138	896322	+	WP_012915362.WP_012915362.1	SAM-dependent methyltransferase	57876154	XaFJ1_RS03900	1185	394
724	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	896310	896720	-	WP_012915363.WP_012915363.1	membrane protein	57876155	XaFJ1_RS03905	411	136
725	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	896764	896946	+	WP_045756742.WP_045756742.1	hypothetical protein	57876156	XaFJ1_RS03910	183	60
726	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	896962	897702	+	WP_045756743.WP_045756743.1	Expansin-Yoai	57876157	XaFJ1_RS03915	741	246
727	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	897801	897971	-	WP_155393065.WP_155393065.1	hypothetical protein	57876158	XaFJ1_RS03920	171	56
728	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	898108	898683	+	WP_012915365.WP_012915365.1	GntR family transcriptional regulat	57876159	XaFJ1_RS03925	756	251
729	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	898989	900191	+	WP_012915366.WP_012915366.1	sugar MFS transporter	57876160	XaFJ1_RS03930	1293	430
730	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	900221	901288	+	WP_012915367.WP_012915367.1	Lacl family DNA-binding transcripti	57876161	XaFJ1_RS03935	1068	355
731	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	901297	902325	+	WP_012915368.WP_012915368.1	SIS domain-containing protein	57876162	XaFJ1_RS03940	1029	342
732	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	902325	903470	+	WP_012915369.WP_012915369.1	N-acetylglucosar nagA	57876163	XaFJ1_RS03945	1146	381
733	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	903644	904897	-	WP_012915370.WP_012915370.1	multifunctional CCA addition/repair	57876164	XaFJ1_RS03950	1254	417
734	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	904986	906944	-	WP_045756744.WP_045756744.1	transglycosylase SLT domain-cont	57876165	XaFJ1_RS03955	1959	652
735	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	907177	907733	-	WP_045757202.WP_045757202.1	AAA family ATPase	57876166	XaFJ1_RS03960	561	186
736	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	907745	908404	-	WP_012915373.WP_012915373.1	2OG-Fe(II) oxygenase	57876167	XaFJ1_RS03965	660	219
737	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	908431	909099	-	WP_187388437.WP_187388437.1	aspartate aminotransferase family	57876168	XaFJ1_RS03970	1179	392
738	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	909671	910714	-	WP_045756746.WP_045756746.1	sulfotransferase	57876169	XaFJ1_RS03975	1044	347
739	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	910754	911584	-	WP_012915376.WP_012915376.1	TauD/TtdA family dioxygenase	57876170	XaFJ1_RS03980	831	276
740	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	912169	915051	+	WP_012915377.WP_012915377.1	TonB-dependent receptor	57876171	XaFJ1_RS03985	2883	960
741	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	915128	915865	-	WP_187388438.WP_187388438.1	endonuclease/exonuclease/phospl	57876172	XaFJ1_RS03990	738	245
742	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	915921	916745	-	WP_012915379.WP_012915379.1	DsbA family protein	57876173	XaFJ1_RS03995	825	274
743	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	916852	917493	-	WP_012915380.WP_012915380.1	thiol:disulfide interchange protein	57876174	XaFJ1_RS04000	642	213
744	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	917579	918400	-	WP_012915381.WP_012915381.1	c-type cytochrome	57876175	XaFJ1_RS04005	822	273
745	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	918530	919153	+	WP_012915382.WP_012915382.1	ribosome biogenesis GTP-binding	57876176	XaFJ1_RS04010	624	207
746	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	919277	919972	-	WP_012915383.WP_012915383.1	VIT family protein	57876177	XaFJ1_RS04015	696	231
747	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	920191	921555	+	WP_045757203.WP_045757203.1	glutamate-cysteine ligase	57876178	XaFJ1_RS04020	1365	454
748	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	921619	922104	-	WP_012915385.WP_012915385.1	hypothetical protein	57876179	XaFJ1_RS04025	486	161
749	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	922793	923713	+	WP_045756747.WP_045756747.1	hypothetical protein	57876180	XaFJ1_RS04030	921	306
750	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	923746	925227	-	WP_012915387.WP_012915387.1	HAMP domain-containing protein	57876181	XaFJ1_RS04035	1482	493
751	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	925224	925940	-	WP_080929679.WP_080929679.1	response regulator	57876182	XaFJ1_RS04040	717	238
752	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	926580	927689	+	WP_012915390.WP_012915390.1	S-(hydroxymethyl)glutathione dehy	57876184	XaFJ1_RS04050	1110	369
753	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	927772	928602	+	WP_012915391.WP_012915391.1	S-formylglutathio fghA	57876185	XaFJ1_RS04055	831	276
754	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	928754	929092	-	WP_012915392.WP_012915392.1	hypothetical protein	57876186	XaFJ1_RS04060	339	112
755	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	929424	930926	+	WP_012915393.WP_012915393.1	cellulose binding domain-containin	57876187	XaFJ1_RS04065	1503	500
756	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	931612	933231	-	WP_045756748.WP_045756748.1	rhamnogalacturonase B	57876188	XaFJ1_RS04070	1620	539
757	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	933431	933676	+	WP_012915395.WP_012915395.1	DUF924 family protein	57876189	XaFJ1_RS04075	546	181
758	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	934146	935072	-	WP_012915396.WP_012915396.1	Grx4 family mon: grxD	57876190	XaFJ1_RS04080	927	308
759	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	935117	935998	+	WP_012915397.WP_012915397.1	polysaccharide deacetylase family	57876191	XaFJ1_RS04085	882	293
760	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	936045	936671	-	WP_012915398.WP_012915398.1	SGNH/GDSL hydrolase family prot	57876192	XaFJ1_RS04090	627	208
761	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	936703	937977	-	WP_012915399.WP_012915399.1	pyridoxal phosphate-dependent an	57876193	XaFJ1_RS04095	1275	424
762	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	938067	939179	+	WP_012915400.WP_012915400.1	ribosome small s rsgA	57876194	XaFJ1_RS04100	1113	370
763	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	939198	940436	+	WP_012915401.WP_012915401.1	flavo-hemoglobin expression-modu	57876195	XaFJ1_RS04105	1239	412
764	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	942938	943468	-	WP_012915403.WP_012915403.1	GNAT family N-acetyltransferase	57876197	XaFJ1_RS04115	531	176
765	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	943473	943889	-	WP_012915404.WP_012915404.1	hypothetical protein	57876198	XaFJ1_RS04120	417	138
766	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	943943	945163	-	WP_155393178.WP_155393178.1	multidrug efflux MFS transporter	57876199	XaFJ1_RS04125	1221	406
767	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	945655	948567	+	WP_187388439.WP_187388439.1	aminomethyl-trar gcVP	57876200	XaFJ1_RS04130	2913	970
768	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	949230	949580	-	WP_012915407.WP_012915407.1	nucleotide pyrophosphohydrolase	57876201	XaFJ1_RS04135	351	116
769	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	949793	950041	+	WP_155393635.WP_155393635.1	hypothetical protein	57876202	XaFJ1_RS04140	249	82
770	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	950843	951412	-	WP_155393636.WP_155393636.1	hypothetical protein	57876204	XaFJ1_RS04150	570	189
771	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	952363	952560	+	WP_012915413.WP_012915413.1	hypothetical protein	57876206	XaFJ1_RS04160	198	65
772	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	952735	953763	+	WP_012915414.WP_012915414.1	rhomboid family intramembrane se	57876207	XaFJ1_RS04165	1029	342
773	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	953811	955775	-	WP_012915415.WP_012915415.1	M2 family metalloproteinase	57876208	XaFJ1_RS04170	1965	654
774	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	955924	957582	-	WP_012915416.WP_012915416.1	phosphoethanolamine transferase	57876209	XaFJ1_RS04175	1659	562
775	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	957579	958364	-	WP_012915417.WP_012915417.1	phosphatase PAP2 family protein	57876210	XaFJ1_RS04180	786	251
776	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	958680	959381	+	WP_012915418.WP_012915418.1	response regulator transcription fa	57876211	XaFJ1_RS04185	702	233
777	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	959371	960660	+	WP_045756751.WP_045756751.1	HAMP domain-containing histidine	57876212	XaFJ1_RS04190	1290	429
778	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	960675	961172	-	WP_012915420.WP_012915420.1	hypothetical protein	57876213	XaFJ1_RS04195	498	165
779	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	961306	961563	-	WP_012915421.WP_012915421.1	cell division topol minE	57876214	XaFJ1_RS04200	258	85
780	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	961566	962375	-	WP_012915422.WP_012915422.1	septum site-detei minD	57876215	XaFJ1_RS04205	810	269
781	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	962412	963164	-	WP_012915423.WP_012915423.1	septum site-detei minC	57876216	XaFJ1_RS04210	753	190
782	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	963167	963670	-	WP_012915424.WP_012915424.1	GNAT family N-acetyltransferase	57876217	XaFJ1_RS04215	594	257
783	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	963902	965101	+	WP_012915425.WP_012915425.1	sensor histidine kinase	57876218	XaFJ1_RS04220	1200	399
784	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	965101	965742	-	WP_012915426.WP_012915426.1	response regulator transcription fa	57876219	XaFJ1_RS04225	642	213
785	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	966135	967319	+	WP_012915427.WP_012915427.1	polyketide cyclase	57876220	XaFJ1_RS04230	1185	394
786	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	967425	967796	+	WP_012915428.WP_012915428.1	DUF423 domain-containing protei	57876221	XaFJ1_RS04235	372	123
787	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	968204	969016	-	WP_045756752.WP_045756752.1	D-alanyl-D-alanine carbxyopeptida	57876222	XaFJ1_RS04240	813	270
788	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	969118	969705	-	WP_012915430.WP_012915430.1	hypothetical protein	57876223	XaFJ1_RS04245	588	195
789	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	969841	970713	-	WP_012915431.WP_012915431.1	SPFH domain-containing protein	57876224	XaFJ1_RS04250	873	290
790	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	970901	971527	-	WP_012915432.WP_012915432.1					

792	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	972908	974095	+	WP_012915434, WP_012915434.1	formate-depende purT	57876227	XaFJ1_RS04265	1188	395
793	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	974204	975430	-	WP_080931550, WP_080931550.1	endonuclease/exonuclease/phosph	57876228	XaFJ1_RS04270	1227	408
794	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	975476	976237	-	WP_012915436, WP_012915436.1	arginyltransferase	57876229	XaFJ1_RS04275	762	253
795	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	976425	976967	+	WP_012915437, WP_012915437.1	EF-hand domain-containing protein	57876230	XaFJ1_RS04280	543	180
796	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	977136	977627	-	WP_012915438, WP_012915438.1	hypothetical protein	57876231	XaFJ1_RS04285	492	163
797	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	977638	978549	-	WP_012915439, WP_012915439.1	acyl-CoA thioest tesB	57876232	XaFJ1_RS04290	912	303
798	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	978619	979398	-	WP_012915440, WP_012915440.1	enoyl-CoA hydratase/isomerase fa	57876233	XaFJ1_RS04295	780	259
799	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	979451	979933	+	WP_045756753, WP_045756753.1	copper chaperone PCu(A)C	57876234	XaFJ1_RS04300	483	160
800	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	980000	980422	-	WP_012915442, WP_012915442.1	acyl-CoA thioesterase	57876235	XaFJ1_RS04305	423	140
801	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	980419	983385	-	WP_012915443, WP_012915443.1	excinuclease ABI uvra	57876236	XaFJ1_RS04310	2967	988
802	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	983655	983972	+	WP_012915444, WP_012915444.1	50S ribosomal pr rplU	57876237	XaFJ1_RS04315	318	105
803	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	983985	984245	+	WP_012915445, WP_012915445.1	50S ribosomal pr rpmA	57876238	XaFJ1_RS04320	261	86
804	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	984575	985645	+	WP_012915446, WP_012915446.1	GTPase ObgE obgE	57876239	XaFJ1_RS04325	1071	356
805	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	985779	986051	-	WP_012915447, WP_012915447.1	30S ribosomal pr rpsT	57876240	XaFJ1_RS04330	273	930
806	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	986168	987760	+	WP_155393731, WP_155393731.1	murein biosynthe murJ	57876241	XaFJ1_RS04335	1593	50
807	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	988028	989017	+	WP_012915449, WP_012915449.1	bifunctional riboflavin kinase/FAD	57876242	XaFJ1_RS04340	990	329
808	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	989024	991855	+	WP_012915450, WP_012915450.1	isoleucine-tRNA ileS	57876243	XaFJ1_RS04345	2832	943
809	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	991944	992447	+	WP_012915451, WP_012915451.1	signal peptidase lspA	57876244	XaFJ1_RS04350	504	167
810	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	992505	993455	+	WP_012915452, WP_012915452.1	4-hydroxy-3-metl lspH	57876245	XaFJ1_RS04355	951	316
811	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	993739	994086	-	WP_045764106, WP_045764106.1	DDE-type integrase/transposase	57876247	XaFJ1_RS04365	348	115
812	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	994545	995000	+	WP_080928189, WP_080928189.1	avidin/streptavidin family protein	57876248	XaFJ1_RS04370	456	151
813	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	995591	996532	+	WP_012915456, WP_012915456.1	ubiquinol oxidase cyoA	57876249	XaFJ1_RS04375	942	313
814	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	996532	998532	+	WP_045756754, WP_045756754.1	cytochrome o ubi cyoB	57876250	XaFJ1_RS04380	2001	666
815	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	998536	999156	+	WP_012915458, WP_012915458.1	cytochrome o ubi cyoC	57876251	XaFJ1_RS04385	621	206
816	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	999156	999494	+	WP_012915459, WP_012915459.1	cytochrome o ubi cyoD	57876252	XaFJ1_RS04390	339	112
817	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	999746	1001635	+	WP_012915460, WP_012915460.1	tetratricopeptide repeat protein	57876253	XaFJ1_RS04395	1890	629
818	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1002129	1003475	+	WP_012915461, WP_012915461.1	pyridoxal phosphate-dependent an	57876254	XaFJ1_RS04400	1347	448
819	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1003561	1004961	+	WP_012915462, WP_012915462.1	DNA repair prote radA	57876255	XaFJ1_RS04405	1401	466
820	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1005092	1005919	+	WP_012915463, WP_012915463.1	lysophospholipase	57876256	XaFJ1_RS04410	828	275
821	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1006122	1007846	-	WP_012915464, WP_012915464.1	dihydroxy-acid dehydratase	57876257	XaFJ1_RS04415	1725	574
822	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1008018	1008815	+	WP_045756755, WP_045756755.1	SDR family oxidoreductase	57876258	XaFJ1_RS04420	798	265
823	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1009014	1009991	-	WP_012915466, WP_012915466.1	LysR family transcriptional regulat	57876259	XaFJ1_RS04425	978	325
824	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1010144	1011151	+	WP_045757209, WP_045757209.1	fumarylacetoacetate hydrolase	57876260	XaFJ1_RS04430	1008	335
825	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1011266	1012243	+	WP_045756756, WP_045756756.1	ABC transporter substrate-binding	57876261	XaFJ1_RS04435	978	325
826	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1012255	1013763	+	WP_012915469, WP_012915469.1	sugar ABC transporter ATP-binding	57876262	XaFJ1_RS04440	1509	502
827	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1013760	1014815	+	WP_012915470, WP_012915470.1	ABC transporter permease	57876263	XaFJ1_RS04445	1056	351
828	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1014848	1015849	+	WP_155393733, WP_155393733.1	sugar ABC transp yjff	57876264	XaFJ1_RS04450	1002	333
829	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1015864	1017132	-	WP_012915472, WP_012915472.1	cation:proton antiporter	57876265	XaFJ1_RS04455	1269	422
830	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1017368	1018957	-	WP_012915473, WP_012915473.1	alpha-L-arabinofuranosidase	57876266	XaFJ1_RS04460	1590	529
831	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1019385	1020437	+	WP_012915474, WP_012915474.1	galactose mutarotase	57876267	XaFJ1_RS04465	1053	350
832	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1020700	1021491	-	WP_045756758, WP_045756758.1	cytochrome c bci csaA	57876269	XaFJ1_RS04475	792	263
833	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1021608	1022984	+	WP_012915476, WP_012915476.1	signal recognioir ffh	57876270	XaFJ1_RS04480	1377	458
834	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1023154	1024218	+	WP_045757211, WP_045757211.1	nitronate monooxygenase	57876271	XaFJ1_RS04485	1065	354
835	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1024215	1025015	+	WP_012915478, WP_012915478.1	aminotransferase class IV family p	57876272	XaFJ1_RS04490	801	266
836	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1025109	1025369	+	WP_012915479, WP_012915479.1	32S ribosomal pr rpsP	57876273	XaFJ1_RS04495	261	86
837	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1025415	1025927	+	WP_012915480, WP_012915480.1	ribosome matura rimM	57876274	XaFJ1_RS04500	513	170
838	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1026010	1026801	+	WP_012915481, WP_012915481.1	tRNA (guanosine trmD)	57876275	XaFJ1_RS04505	792	263
839	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1026934	1027350	+	WP_012915482, WP_012915482.1	50S ribosomal pr rplS	57876276	XaFJ1_RS04510	417	138
840	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1027604	1029076	-	WP_012915483, WP_012915483.1	MATE family efflux transporter	57876277	XaFJ1_RS04515	1473	490
841	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1029256	1029546	+	WP_045757212, WP_045757212.1	hypothetical protein	57876278	XaFJ1_RS04520	291	96
842	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1029543	1029950	+	WP_012915485, WP_012915485.1	RNA-binding S4 domain-containing	57876279	XaFJ1_RS04525	408	135
843	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1030043	1032241	-	WP_012915486, WP_012915486.1	catalase/peroxid katG	57876280	XaFJ1_RS04530	2199	732
844	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1033171	1033554	-	WP_012915489, WP_012915489.1	hypothetical protein	57876282	XaFJ1_RS04540	384	127
845	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1034229	1036241	-	WP_012915491, WP_012915491.1	M13 family metallopeptidase	57876283	XaFJ1_RS04545	2013	670
846	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1036424	1038544	-	WP_012915492, WP_012915492.1	peptidase	57876284	XaFJ1_RS04550	2121	706
847	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1038703	1040295	+	WP_045756761, WP_045756761.1	NAD(P)FAD-dependent oxidoredu	57876285	XaFJ1_RS04555	1593	530
848	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1040566	1043418	-	WP_045757213, WP_045757213.1	TonB-dependent receptor	57876286	XaFJ1_RS04560	2763	920
849	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1044198	1045049	+	WP_012915495, WP_012915495.1	iron-sulfur cluste apcC	57876287	XaFJ1_RS04565	852	283
850	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1045178	1045744	+	WP_012915496, WP_012915496.1	dCTP deaminase	57876288	XaFJ1_RS04570	567	188
851	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1045869	1046036	-	WP_012915497, WP_012915497.1	DUF5668 domain-containing prote	62675589	XaFJ1_RS15880	168	55
852	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1046065	1046472	-	WP_012915498, WP_012915498.1	HIT family protein	57876289	XaFJ1_RS04575	408	135
853	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1046482	1047144	-	WP_012915499, WP_012915499.1	dienelactone hydrolase family pro	57876290	XaFJ1_RS04580	663	220
854	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1048683	1049189	-	WP_012915501, WP_012915501.1	transcription elon greB	57876292	XaFJ1_RS04590	507	168
855	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1049389	1050096	+	WP_012915502, WP_012915502.1	transglycosylase SLT domain-cont	57876293	XaFJ1_RS04595	1608	535
856	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1051201	1052049	-	WP_012915503, WP_012915503.1	archaetidylserine psd	57876294	XaFJ1_RS04600	849	282
857	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1052046	1052696	-	WP_012915504, WP_012915504.1	SCO family protein	57876295	XaFJ1_RS04605	651	216
858	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1052782	1053708	+	WP_045756762, WP_045756762.1	50S ribosomal pr prmB	57876296	XaFJ1_RS04610	927	308
859	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1053719	1054822	+	WP_012915506, WP_012915506.1	chorismate synth arcC	57876297	XaFJ1_RS04615	1104	367
860	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1054815	1055888	+	WP_012915507, WP_012915507.1	D-glycerate dehydrogenase	57876298	XaFJ1_RS04620	1044	347
861	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1055961	1056986	+	WP_012915508, WP_012915508.1	aspartate-semialdehyde dehydrog	57876299	XaF		

864	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1060138	1060800	+	WP_012915511.WP_012915511.1	phosphoribosylanthranilate isomer	57876302	XaFJ1_RS04640	663	220
865	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1060896	1061789	-	WP_012915512.WP_012915512.1	LysR family transcriptional regulat	57876303	XaFJ1_RS04645	894	297
866	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1061887	1063104	+	WP_012915513.WP_012915513.1	tryptophan synth trpB	57876304	XaFJ1_RS04650	1218	405
867	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1063247	1064065	+	WP_012915514.WP_012915514.1	tryptophan synthase subunit alpha	57876305	XaFJ1_RS04655	819	272
868	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1064191	1065078	+	WP_012915515.WP_012915515.1	acetyl-CoA carboxylase, carboxyltr	57876306	XaFJ1_RS04660	888	295
869	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1065224	1066567	+	WP_012915516.WP_012915516.1	phosphoglucosar glmM	57876307	XaFJ1_RS04665	1344	447
870	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1066890	1067628	+	WP_012915517.WP_012915517.1	isopenicillin N synthase family oxy	57876308	XaFJ1_RS04670	939	312
871	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1067851	1068489	+	WP_045757216.WP_045757216.1	methylamine utilization protein	57876309	XaFJ1_RS04675	639	212
872	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1068486	1070858	+	WP_012915519.WP_012915519.1	EAL domain-containing protein	57876310	XaFJ1_RS04680	2373	790
873	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1070855	1071174	+	WP_012915520.WP_012915520.1	DUF3034 family protein	57876311	XaFJ1_RS04685	870	289
874	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1071726	1072169	+	WP_012915521.WP_012915521.1	group 1 truncated hemoglobin	57876312	XaFJ1_RS04690	444	147
875	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1072241	1073041	-	WP_012915522.WP_012915522.1	SDR family oxidoreductase	57876313	XaFJ1_RS04695	801	266
876	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1073136	1073891	+	WP_012915523.WP_012915523.1	triose-phosphate isomerase	57876314	XaFJ1_RS04700	756	251
877	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1073954	1074370	+	WP_012915524.WP_012915524.1	preprotein transk secG	57876315	XaFJ1_RS04705	417	138
878	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1074615	1074971	+	WP_012915525.WP_012915525.1	NADH-quinone oxidoreductase sul	57876317	XaFJ1_RS04715	357	118
879	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1074962	1075516	+	WP_010343006.WP_010343006.1	NADH-quinone oxidoreductase sul	57876318	XaFJ1_RS04720	555	184
880	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1075550	1076299	+	WP_045757673.WP_045757673.1	NADH-quinone oxidoreductase sul	57876319	XaFJ1_RS04725	750	249
881	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1076296	1077603	+	WP_012915527.WP_012915527.1	NADH-quinone oxidoreductase sul	57876320	XaFJ1_RS04730	1308	435
882	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1077761	1078288	+	WP_012915528.WP_012915528.1	NADH-quinone o nuoE	57876321	XaFJ1_RS04735	528	175
883	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1078294	1079637	+	WP_012915529.WP_012915529.1	NADH-quinone o nuoF	57876322	XaFJ1_RS04740	1344	447
884	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1079634	1081883	+	WP_012915530.WP_012915530.1	NADH-quinone o nuoG	57876323	XaFJ1_RS04745	2250	749
885	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1081880	1082971	+	WP_012915531.WP_012915531.1	NADH-quinone o nuoH	57876324	XaFJ1_RS04750	1092	363
886	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1082975	1083463	+	WP_012915532.WP_012915532.1	NADH-quinone o nuoI	57876325	XaFJ1_RS04755	489	162
887	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1083473	1084123	+	WP_012915533.WP_012915533.1	NADH-quinone oxidoreductase sul	57876326	XaFJ1_RS04760	651	216
888	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1084120	1084425	+	WP_012915534.WP_012915534.1	NADH-quinone o nuoK	57876327	XaFJ1_RS04765	306	101
889	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1084433	1086583	+	WP_012915535.WP_012915535.1	NADH-quinone o nuoL	57876328	XaFJ1_RS04770	2151	716
890	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1086504	1088106	+	WP_012915536.WP_012915536.1	NADH-quinone oxidoreductase sul	57876329	XaFJ1_RS04775	1503	500
891	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1088143	1089618	+	WP_045757217.WP_045757217.1	NADH-quinone o nuoN	57876330	XaFJ1_RS04780	1476	491
892	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1090112	1090717	+	WP_012915538.WP_012915538.1	ribosome matura rimP	57876332	XaFJ1_RS04790	606	201
893	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1090714	1092225	+	WP_012915539.WP_012915539.1	transcription terr nusA	57876333	XaFJ1_RS04795	1512	503
894	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1092321	1092523	+	WP_012915540.WP_012915540.1	translation initiati infB	57876334	XaFJ1_RS04800	2703	900
895	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1095146	1095556	+	WP_012915541.WP_012915541.1	30S ribosome-bir rbfA	57876335	XaFJ1_RS04805	411	136
896	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1095714	1096640	+	WP_012915542.WP_012915542.1	tRNA pseudourid trbB	57876336	XaFJ1_RS04810	927	308
897	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1096834	1097094	+	WP_003467392.WP_003467392.1	30S ribosomal pr rpsO	57876337	XaFJ1_RS04815	261	86
898	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1097260	1099368	+	WP_012915543.WP_012915543.1	polyribonucleotid pnp	57876338	XaFJ1_RS04820	2109	702
899	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1099561	1100910	-	WP_045756764.WP_045756764.1	EAL domain-containing protein	57876339	XaFJ1_RS04825	1350	449
900	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1101013	1101336	-	WP_045756765.WP_045756765.1	DUF3175 domain-containing prote	57876340	XaFJ1_RS04830	324	107
901	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1102668	1102865	-	WP_012915547.WP_012915547.1	hypothetical protein	62675590	XaFJ1_RS15855	198	65
902	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1102909	1103241	-	WP_012915548.WP_012915548.1	non-heme iron oxygenase ferredox	57876341	XaFJ1_RS04835	333	110
903	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1103238	1103774	-	WP_012915549.WP_012915549.1	GNAT family N-acetyltransferase	57876342	XaFJ1_RS04840	537	178
904	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1103893	1105143	-	WP_012915550.WP_012915550.1	cysteine desulfurase	57876343	XaFJ1_RS04845	1251	416
905	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1105140	1106402	-	WP_012915551.WP_012915551.1	Fe-S cluster asss sulf	57876344	XaFJ1_RS04850	1263	420
906	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1106399	1107166	-	WP_012915552.WP_012915552.1	Fe-S cluster asss sulf	57876345	XaFJ1_RS04855	768	255
907	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1107213	1107620	-	WP_012915553.WP_012915553.1	lysozyme inhibitor LprI family prote	57876346	XaFJ1_RS04860	408	135
908	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1107617	1109059	-	WP_012915554.WP_012915554.1	Fe-S cluster asss sulf	57876347	XaFJ1_RS04865	1443	480
909	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1109076	1109534	-	WP_012915555.WP_012915555.1	SUF system Fe-S cluster assembl	57876348	XaFJ1_RS04870	459	152
910	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1109738	1110205	+	WP_012915556.WP_012915556.1	SET domain-containing protein-lys	57876349	XaFJ1_RS04875	468	155
911	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1110328	1110924	-	WP_012915557.WP_012915557.1	DUF1439 domain-containing prote	57876350	XaFJ1_RS04880	597	198
912	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1111208	1111606	-	WP_012915558.WP_012915558.1	HU family DNA-binding protein	57876351	XaFJ1_RS04885	399	132
913	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1112453	1113037	+	WP_012915559.WP_012915559.1	glycine zipper 2TM domain-contair	57876352	XaFJ1_RS04890	585	194
914	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1113149	1114027	-	WP_012915560.WP_012915560.1	PhzF family phenazine biosynthesi	57876353	XaFJ1_RS04895	879	292
915	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1114317	1116926	+	WP_045756766.WP_045756766.1	bifunctional aspartate kinase/diami	57876354	XaFJ1_RS04900	2610	869
916	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1117071	1118426	+	WP_012915562.WP_012915562.1	hypothetical protein	57876355	XaFJ1_RS04905	1356	451
917	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1118407	1119819	+	WP_012915563.WP_012915563.1	UDP-N-acetylmuramoyl-L-alanine-	57876356	XaFJ1_RS04910	1413	470
918	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1119958	1120953	-	WP_012915564.WP_012915564.1	polyprenyl synthetase family protei	57876357	XaFJ1_RS04915	996	331
919	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1121246	1121761	+	WP_012915565.WP_012915565.1	single-stranded DNA-binding prote	57876358	XaFJ1_RS04920	516	171
920	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1121967	1122311	-	WP_049887168.WP_049887168.1	hypothetical protein	62675591	XaFJ1_RS15860	345	114
921	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1122343	1122555	-	WP_012915567.WP_012915567.1	hypothetical protein	62675592	XaFJ1_RS15865	213	70
922	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1122854	1124005	+	WP_012915568.WP_012915568.1	NAD(P) transhydrogenase subunit	57876360	XaFJ1_RS04930	1152	383
923	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1124022	1124339	+	WP_012915569.WP_012915569.1	NAD(P) transhydrogenase subunit	57876361	XaFJ1_RS04935	318	105
924	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1124344	1125756	+	WP_012915570.WP_012915570.1	NAD(P)(+) transhydrogenase (Re)	57876362	XaFJ1_RS04940	1413	470
925	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1125844	1127235	+	WP_012915571.WP_012915571.1	NAD-dependent succinate-semialc	57876363	XaFJ1_RS04945	1392	463
926	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1127379	1128407	+	WP_045756767.WP_045756767.1	alcohol dehydrog adhP	57876364	XaFJ1_RS04950	1029	342
927	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1130068	1131351	-	WP_012915575.WP_012915575.1	diaminobutyrate- ectB	57876366	XaFJ1_RS04960	1284	427
928	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1131667	1131864	+	WP_080929685.WP_080929685.1	alpha-hydroxy-acid oxidizing prote	57876367	XaFJ1_RS04965	198	65
929	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1132700	1133593	+	WP_045757218.WP_045757218.1	helix-turn-helix domain-containing	57876369	XaFJ1_RS04975	894	297
930	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1133916	1135712	-	WP_045756769.WP_045756769.1	alpha/beta fold hydrolase	57876370	XaFJ1_RS04980	1797	598
931	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1135958	1137145	-	WP_161525133.WP_161525133.1	non-ribosomal peptide synthase/pr	57876371	XaFJ1_RS04985	35388	11795
932	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1171351	1177731	-	WP_012915580.WP_012915580.1	non-ribosomal peptide synthetase	57876372	XaFJ1_RS04990	6381	2126
933	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1									

936	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1193864	1195141	+	WP_012915584.WP_012915584.1	enoyl-CoA hydratase/isomerase fa	57876376	XaFJ1_RS050101278	425
937	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1195138	1196484	+	WP_012915585.WP_012915585.1	PLP-dependent aminotransferase	57876377	XaFJ1_RS050151347	448
938	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1196490	1197278	+	WP_045757222.WP_045757222.1	enoyl-CoA hydratase/isomerase fa	57876378	XaFJ1_RS05020789	262
939	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1197355	1199088	+	WP_012915587.WP_012915587.1	cyclic peptide export ABC transpor	57876379	XaFJ1_RS050251734	577
940	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1199190	1199408	+	WP_012915588.WP_012915588.1	MbtH family NRPS accessory prot	57876380	XaFJ1_RS05030219	72
941	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1199491	1199652	-	WP_155393645.WP_155393645.1	hypothetical protein	57876381	XaFJ1_RS05035162	53
942	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1199895	1201478	-	WP_045757224.WP_045757224.1	MBL fold metallo-hydrolase	57876382	XaFJ1_RS050401584	527
943	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1201618	1203384	-	WP_012915590.WP_012915590.1	oligopeptide:H+ symporter	57876383	XaFJ1_RS050451767	588
944	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1203636	1205594	+	WP_012915591.WP_012915591.1	oligopeptide transporter. OPT fami	57876384	XaFJ1_RS050501959	652
945	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1205855	1207933	+	WP_012915592.WP_012915592.1	S9 family peptidase	57876385	XaFJ1_RS050552079	692
946	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1208204	1208383	-	WP_155393076.WP_155393076.1	hypothetical protein	57876386	XaFJ1_RS05060180	59
947	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1208561	1209427	+	WP_012915593.WP_012915593.1	hypothetical protein	62675593	XaFJ1_RS15870867	288
948	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1209424	1212243	+	WP_012915594.WP_012915594.1	hypothetical protein	57876388	XaFJ1_RS050702820	939
949	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1212829	1214733	+	WP_012915595.WP_012915595.1	threonine--tRNA thrS	57876389	XaFJ1_RS050751905	634
950	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1214776	1215321	+	WP_080928065.WP_080928065.1	translation initiati infC	57876390	XaFJ1_RS05080546	181
951	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1215653	1215850	+	WP_010342861.WP_010342861.1	50S ribosomal pr rpmI	57876391	XaFJ1_RS05085198	65
952	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1215861	1216220	+	WP_010342859.WP_010342859.1	50S ribosomal pr rpmI	57876392	XaFJ1_RS05090360	119
953	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1216427	1217422	+	WP_012915597.WP_012915597.1	phenylalanine--tPheS	57876393	XaFJ1_RS0509596	331
954	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1217531	1219909	+	WP_012915598.WP_012915598.1	phenylalanine--tRNA ligase subuni	57876394	XaFJ1_RS051002379	792
955	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1219933	1220232	+	WP_012915599.WP_012915599.1	integration host factor subunit alph	57876395	XaFJ1_RS05105300	99
956	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1220213	1220569	+	WP_009597860.WP_009597860.1	MerR family transcriptional regulat	57876396	XaFJ1_RS05110357	278
957	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1221774	1222589	+	WP_012915601.WP_012915601.1	peptidase C1	57876398	XaFJ1_RS05120816	111
958	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1223158	1223625	+	WP_012915602.WP_012915602.1	cupin domain-containing protein	57876399	XaFJ1_RS05125468	155
959	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1223735	1225645	-	WP_012915603.WP_012915603.1	1-deoxy-D-xylulo dxs	57876400	XaFJ1_RS051301911	636
960	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1225797	1226459	-	WP_012915604.WP_012915604.1	HNH endonuclease	57876401	XaFJ1_RS05135663	220
961	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1226587	1228371	-	WP_012915605.WP_012915605.1	acyl-CoA dehydrogenase C-termin	57876402	XaFJ1_RS051401785	594
962	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1228620	1229096	-	WP_012915606.WP_012915606.1	LEA type 2 family protein	57876403	XaFJ1_RS05145477	158
963	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1229937	1230215	+	WP_146084074.WP_146084074.1	hypothetical protein	57878531	XaFJ1_RS15785279	92
964	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1230716	1231102	-	WP_012915608.WP_012915608.1	hypothetical protein	57876405	XaFJ1_RS05155387	128
965	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1231095	1232471	-	WP_012915609.WP_012915609.1	exodeoxyribonuclease VII large su	57876406	XaFJ1_RS051601377	458
966	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1232577	1234064	+	WP_012915610.WP_012915610.1	bifunctional ADP-dependent NAD(+)	57876407	XaFJ1_RS051651488	495
967	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1234061	1234543	+	WP_012915611.WP_012915611.1	tRNA (adenosine tsaE)	57876408	XaFJ1_RS05170483	160
968	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1234625	1236205	+	WP_045756777.WP_045756777.1	N-acetylmuramoyl-L-alanine amide	57876409	XaFJ1_RS051751581	526
969	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1236345	1238216	+	WP_012915613.WP_012915613.1	DNA mismatch re mutL	57876410	XaFJ1_RS051801872	623
970	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1238216	1239145	+	WP_012915614.WP_012915614.1	DUF1684 domain-containing prote	57876411	XaFJ1_RS05185930	309
971	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1239159	1240121	+	WP_045756778.WP_045756778.1	TrkB/GumN family protein	57876412	XaFJ1_RS05190963	320
972	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1240254	1240769	-	WP_012915616.WP_012915616.1	polyhydroxyalkar phAR	57876413	XaFJ1_RS05195516	149
973	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1240968	1241708	-	WP_012915617.WP_012915617.1	acetoacetyl-CoA phbB	57876414	XaFJ1_RS05200741	271
974	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1241772	1242686	-	WP_012915618.WP_012915618.1	tRNA glutamyl-Glu QR/S	57876415	XaFJ1_RS05205915	304
975	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1242789	1243673	+	WP_012915619.WP_012915619.1	protease HtpX htpX	57876416	XaFJ1_RS05210885	294
976	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1243760	1245832	-	WP_012915620.WP_012915620.1	EAL domain-containing protein	57876417	XaFJ1_RS052152073	690
977	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1246385	1247581	-	WP_012915621.WP_012915621.1	NAD(P)FAD-dependent oxidoredu	57876419	XaFJ1_RS052251197	398
978	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1247578	1248123	-	WP_012915622.WP_012915622.1	YaeQ family protein	57876420	XaFJ1_RS05230546	181
979	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1248539	1248784	+	WP_012915623.WP_012915623.1	cold-shock protein	57876421	XaFJ1_RS05235246	81
980	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1248977	1249672	+	WP_012915624.WP_012915624.1	glutathione S-transferase	57876422	XaFJ1_RS05240696	231
981	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1249715	1250608	-	WP_012915625.WP_012915625.1	alpha/beta hydrolase	57876423	XaFJ1_RS05245894	297
982	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1250904	1252475	+	WP_012915626.WP_012915626.1	YdiU family protein	57876424	XaFJ1_RS052501572	523
983	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1252506	1252955	-	WP_012915627.WP_012915627.1	hypothetical protein	57876425	XaFJ1_RS05255450	149
984	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1253079	1254242	+	WP_012915628.WP_012915628.1	efflux RND transporter periplasmic	57876426	XaFJ1_RS052601164	387
985	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1254249	1257377	+	WP_012915629.WP_012915629.1	multidrug efflux RND transporter p	57876427	XaFJ1_RS052653129	1042
986	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1257473	1258849	+	WP_012915630.WP_012915630.1	ATP-dependent f dbpA	57876428	XaFJ1_RS052701377	458
987	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1259127	1261016	+	WP_045757228.WP_045757228.1	ATP-binding cassette domain-cont	57876429	XaFJ1_RS052751690	629
988	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1261150	1261599	-	WP_012915632.WP_012915632.1	barstar family protein	57876430	XaFJ1_RS05280450	149
989	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1261596	1262066	-	WP_012915633.WP_012915633.1	ribonuclease	57876431	XaFJ1_RS05285471	156
990	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1262435	1263406	+	WP_012915634.WP_012915634.1	superoxide dismutase	57876432	XaFJ1_RS05290612	203
991	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1263150	1264022	-	WP_012915635.WP_012915635.1	hypothetical protein	57876433	XaFJ1_RS05295873	290
992	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1264153	1266225	-	WP_080931582.WP_080931582.1	glycoside hydrolase family 3 C-ter	57876434	XaFJ1_RS053002073	690
993	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1267606	1267764	+	WP_155393527.WP_155393527.1	hypothetical protein	57878532	XaFJ1_RS15790159	52
994	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1267773	1268408	+	WP_012915637.WP_012915637.1	rhomboid family intramembrane se	57876435	XaFJ1_RS05305636	211
995	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1268518	1268718	-	WP_012915638.WP_012915638.1	hypothetical protein	57876436	XaFJ1_RS05310201	61
996	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1268911	1269186	+	WP_104629956.WP_104629956.1	N-acetyltransferase	57876437	XaFJ1_RS05315276	96
997	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1269269	1270111	+	WP_045756780.WP_045756780.1	DUF3298 and DUF4163 domain-c	57876438	XaFJ1_RS05320843	280
998	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1270299	1270805	+	WP_012915641.WP_012915641.1	MarR family transcriptional regulat	57876439	XaFJ1_RS05325507	168
999	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1270873	1271082	-	WP_045757907.WP_045757907.1	hypothetical protein	57876440	XaFJ1_RS05330210	69
1000	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1271259	1271837	+	WP_012915642.WP_012915642.1	hypothetical protein	57876441	XaFJ1_RS05335579	192
1001	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1272079	1272570	+	WP_012915643.WP_012915643.1	glutathione peroxidase	57876442	XaFJ1_RS05340492	163
1002	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1272626	1273405	-	WP_045756782.WP_045756782.1	ferredoxin--NADP reductase	57878443	XaFJ1_RS05345780	259
1003	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1273518	1273904	-	WP_045756783.WP_045756783.1	hypothetical protein	62675594	XaFJ1_RS15875387	128
1004	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1273937	1275820	-	WP_012915646.WP_012915646.1	ABC transporter ATP-binding prote	57876444	XaFJ1_RS053551884	627
1005	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1275975	1277498	+	WP_012915647.WP_012915647.1	fumarate hydratase	57876446	XaFJ1_RS053601524	507
1006	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1277538	1278689	-	WP_012915648.WP_012915648.1	phospholipase A	57876447	XaFJ1_RS053651152	383
1007	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1278805	1279290	-	WP_012915649.WP_012915649.1	DUF			

1008	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1279529	1279750	+	WP_012915650, WP_012915650.1	cold-shock protein	57876449	XaFJ1_RS05375	222	73	
1009	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1279832	1280311	-	WP_012915651, WP_012915651.1	glycine zipper 2TM domain-contair	57876450	XaFJ1_RS05380	480	159	
1010	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1280457	1280885	-	WP_045756784, WP_045756784.1	cytochrome c	57876451	XaFJ1_RS05385	429	142	
1011	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1280985	1281642	+	WP_012915653, WP_012915653.1	tRNA threonylcarbamoyladenosine	57876452	XaFJ1_RS05390	858	285	
1012	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1282020	1282805	-	WP_012915654, WP_012915654.1	TatD family hydrolase	57876453	XaFJ1_RS05395	786	261	
1013	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1283150	1283968	+	WP_012915655, WP_012915655.1	glycine zipper 2TM domain-contair	57876454	XaFJ1_RS05400	819	272	
1014	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1284342	1285760	+	WP_012915657, WP_012915657.1	replicative DNA helicase	57876455	XaFJ1_RS05405	1419	472	
1015	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1285919	1287340	+	WP_045756786, WP_045756786.1	DNA photolyase family protein	57876456	XaFJ1_RS05410	1422	473	
1016	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1287427	1288884	+	WP_012915659, WP_012915659.1	wax ester/triacylglycerol synthase	57876457	XaFJ1_RS05415	1458	485	
1017	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1288980	1289675	+	WP_012915660, WP_012915660.1	OmpA family protein	57876458	XaFJ1_RS05420	696	231	
1018	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1289758	1290741	-	WP_080931583, WP_080931583.1	GDDEF domain-containing protein	57876459	XaFJ1_RS05425	984	327	
1019	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1291279	1292742	-	WP_045756787, WP_045756787.1	S10 family peptidase	57876460	XaFJ1_RS05430	1464	487	
1020	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1293006	1294343	-	WP_012915663, WP_012915663.1	glycosyltransferase	57876461	XaFJ1_RS05435	1338	445	
1021	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1294336	1298349	-	WP_012915664, WP_012915664.1	non-ribosomal peptide synthetase	57876462	XaFJ1_RS05440	4014	1337	
1022	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1299585	1301474	-	WP_012915666, WP_012915666.1	DNA topoisomere; parE	57876463	XaFJ1_RS05445	1890	629	
1023	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1301643	1301897	+	WP_012915667, WP_012915667.1	hypothetical protein	57876464	XaFJ1_RS05450	255	84	
1024	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1302034	1303698	+	WP_012915668, WP_012915668.1	CTP synthase	57876465	XaFJ1_RS05455	1665	554	
1025	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1303910	1304746	+	WP_012915669, WP_012915669.1	3-deoxy-8-phosph kdsA	57876466	XaFJ1_RS05460	837	278	
1026	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1304905	1306197	+	WP_012915670, WP_012915670.1	phosphopyruvate eno	57876467	XaFJ1_RS05465	1293	430	
1027	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1306200	1306553	+	WP_012915671, WP_012915671.1	cell division prote ftsB	57876468	XaFJ1_RS05470	354	117	
1028	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1306550	1307254	+	WP_187388440, WP_187388440.1	2-C-methyl-D-erythritol 4-phosphat	57876469	XaFJ1_RS05475	705	234	
1029	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1307336	1307833	+	WP_012915673, WP_012915673.1	2-C-methyl-D-ery ispF	57876470	XaFJ1_RS05480	498	165	
1030	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1307830	1308897	+	WP_012915674, WP_012915674.1	tRNA pseudourid truD	57876471	XaFJ1_RS05485	1068	355	
1031	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1308908	1309441	-	WP_045757232, WP_045757232.1	Smr/MutS family protein	57876472	XaFJ1_RS05490	534	177	
1032	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1309668	1310447	+	WP_012915676, WP_012915676.1	5/3'-nucleotidase surE	57876473	XaFJ1_RS05495	780	259	
1033	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1310444	1311121	+	WP_012915677, WP_012915677.1	protein-L-isoaspartate(D-aspartate	57876474	XaFJ1_RS05500	678	225	
1034	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1311141	1311755	+	WP_012915678, WP_012915678.1	DedA family protein	57876475	XaFJ1_RS05505	615	204	
1035	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1311734	1312555	+	WP_045756789, WP_045756789.1	peptidoglycan DD-metalloendopep	57876476	XaFJ1_RS05510	822	273	
1036	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1312789	1313163	-	WP_012915680, WP_012915680.1	Mth938-like domain-containing pro	57876477	XaFJ1_RS05515	375	124	
1037	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1313182	1313487	-	WP_012915681, WP_012915681.1	ribosome assem yhbY	57876478	XaFJ1_RS05520	306	101	
1038	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1313554	1314186	+	WP_045756790, WP_045756790.1	23S rRNA (uridin rimE)	57876479	XaFJ1_RS05525	633	210	
1039	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1314246	1316180	+	WP_012915683, WP_012915683.1	ATP-dependent z ftsH	57876480	XaFJ1_RS05530	1935	644	
1040	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1316455	1317357	+	WP_012915684, WP_012915684.1	dihydropterate e folP	57876481	XaFJ1_RS05535	903	300	
1041	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1317357	1318307	+	WP_012915685, WP_012915685.1	tRNA (adenosine miaA)	57876482	XaFJ1_RS05540	951	316	
1042	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1318428	1318703	+	WP_012915686, WP_012915686.1	RNA chaperone hflq	57876483	XaFJ1_RS05545	276	91	
1043	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1318730	1320055	+	WP_012915687, WP_012915687.1	GTPase HflX	hflX	57876484	XaFJ1_RS05550	1326	441
1044	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1320236	1320730	+	WP_012915688, WP_012915688.1	CinA family protein	57876485	XaFJ1_RS05555	495	164	
1045	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1321166	1321801	+	WP_012915689, WP_012915689.1	transcriptional re lexA	57876486	XaFJ1_RS05560	636	211	
1046	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1321994	1323031	+	WP_012915690, WP_012915690.1	recombinase Rex recA	57876487	XaFJ1_RS05565	1038	345	
1047	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1323145	1323636	+	WP_012915691, WP_012915691.1	recombination re recX	57876488	XaFJ1_RS05570	492	163	
1048	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1323742	1326393	+	WP_012915692, WP_012915692.1	alanine-tRNA lig alaS	57876489	XaFJ1_RS05575	2652	883	
1049	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1326523	1326738	+	WP_012915693, WP_012915693.1	carbon storage ri cslA	57876490	XaFJ1_RS05580	216	71	
1050	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1327696	1328685	+	WP_012915694, WP_012915694.1	DedA family protein;thiosulfate sul	57876492	XaFJ1_RS05590	990	329	
1051	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1329123	1329950	-	WP_012915695, WP_012915695.1	bifunctional hydr; thiD	57876494	XaFJ1_RS05600	828	275	
1052	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1330097	1330771	-	WP_012915696, WP_012915696.1	DUF1275 domain-containing prote	57876495	XaFJ1_RS05605	675	224	
1053	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1330823	1331272	-	WP_045757233, WP_045757233.1	hypothetical protein	57876496	XaFJ1_RS05610	450	149	
1054	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1331311	1332711	-	WP_012915698, WP_012915698.1	PhoH family protein	57876497	XaFJ1_RS05615	1401	466	
1055	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1332794	1333273	-	WP_012915699, WP_012915699.1	peroxiredoxin	57876498	XaFJ1_RS05620	480	159	
1056	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1333335	1333910	-	WP_104629953, WP_104629953.1	glycine cleavage system protein R	57876499	XaFJ1_RS05625	576	191	
1057	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1334055	1334963	+	WP_012915701, WP_012915701.1	4-hydroxy-tetrahydrodipicolinate s	57876500	XaFJ1_RS05630	909	302	
1058	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1334981	1335499	+	WP_012915702, WP_012915702.1	hypothetical protein	57876501	XaFJ1_RS05635	519	172	
1059	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1335686	1336009	-	WP_012915703, WP_012915703.1	ferredoxin family protein	57876502	XaFJ1_RS05640	324	107	
1060	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1336102	1337001	-	WP_012915704, WP_012915704.1	2-dehydro-3-deoxygalactonokinasi	57876503	XaFJ1_RS05645	900	299	
1061	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1336998	1337921	-	WP_012915705, WP_012915705.1	SMP-30/gluconolactonase/LRE far	57876504	XaFJ1_RS05650	924	307	
1062	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1337926	1339077	-	WP_012915706, WP_012915706.1	galactonate dehy dgoD	57876505	XaFJ1_RS05655	1152	383	
1063	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1339074	1339694	-	WP_012915707, WP_012915707.1	2-dehydro-3-deoxy-6-phosphogala	57876506	XaFJ1_RS05660	621	206	
1064	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1339974	1340936	+	WP_012915708, WP_012915708.1	LysR family transcriptional regulat	57876507	XaFJ1_RS05665	963	320	
1065	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1341280	1344198	+	WP_012915709, WP_012915709.1	TonB-dependent receptor	57876508	XaFJ1_RS05670	2919	972	
1066	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1344438	1346315	+	WP_161525213, WP_161525213.1	beta galactosidase jelly roll domai	57876509	XaFJ1_RS05675	1878	625	
1067	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1346417	1349308	+	WP_080929779, WP_080929779.1	DUF5110 domain-containing protei	57876510	XaFJ1_RS05680	2892	963	
1068	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1349579	1351072	+	WP_012915712, WP_012915712.1	xylokukinase xylB	57876511	XaFJ1_RS05685	1494	497	
1069	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1351109	1352449	+	WP_012914629, WP_012914629.1	xylose isomerase xylA	57876512	XaFJ1_RS05690	1341	446	
1070	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1352543	1353970	+	WP_012915713, WP_012915713.1	sugar porter family MFS transporte	57876513	XaFJ1_RS05695	1428	475	
1071	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1354045	1355243	-	WP_012915714, WP_012915714.1	S53 family peptidase	57876514	XaFJ1_RS05700	1779	592	
1072	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1356081	1357628	-	WP_012915715, WP_012915715.1	N-acetylmuramyl-L-alanine amidi	57876515	XaFJ1_RS05705	1194	397	
1073	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1357338	1358261	+	WP_187388441, WP_187388441.1	GTP cyclohydrolase FolE2	57876516	XaFJ1_RS05710	924	307	
1074	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1358467	1359885	+	WP_080928195, WP_080928195.1	polynucleotide ac pcnB	57876518	XaFJ1_RS05720	1419	472	
1075	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1359882	1360391	+	WP_045756793, WP_045756793.1	2-amino-4-hydro; folK	57876519	XaFJ1_RS05725	510	169	
1076	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1360423	1361241	+	WP_012915719, WP_012915719.1	3-methyl-2-oxob; panB	57876520	XaFJ1_RS05730	819		

1080	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1364468	1367095	+	WP_161525135. WP_161525135.1	exo 1,3/1,4-beta-D-glucan glucohy	57876524	XaFJ1_RS057502628	875	
1081	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1367286	1368848	+	WP_012915724. WP_012915724.1	sodium/sugar symporter	57876525	XaFJ1_RS057551563	520	
1082	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1368883	1370670	-	WP_012915725. WP_012915725.1	sensor domain-containing phosph	57876526	XaFJ1_RS057601788	595	
1083	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1370773	1371333	-	WP_012915726. WP_012915726.1	response regulator transcription fa	57876527	XaFJ1_RS057765561	186	
1084	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1371330	1372553	-	WP_045756795. WP_045756795.1	HAMP domain-containing histidine	57876528	XaFJ1_RS057701224	407	
1085	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1372679	1373944	+	WP_012915728. WP_012915728.1	flavodoxin-depen ispG	57876529	XaFJ1_RS057751266	421	
1086	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1374117	1375958	-	WP_045756796. WP_045756796.1	NERD domain-containing protein	57876530	XaFJ1_RS057801842	613	
1087	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1376112	1376981	-	WP_045756797. WP_045756797.1	DMT family transporter	57876531	XaFJ1_RS05785870	289	
1088	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1377014	1378054	-	WP_012915731. WP_012915731.1	UDP-N-acetylmu murB	57876532	XaFJ1_RS057901041	346	
1089	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1378051	1379106	-	WP_012915732. WP_012915732.1	quinone-dependent dihydroorotate	57876533	XaFJ1_RS057951056	351	
1090	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1379118	1379891	-	WP_012915733. WP_012915733.1	class I SAM-dependent methyltran	57876534	XaFJ1_RS05800774	257	
1091	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1379888	1380178	-	WP_012915734. WP_012915734.1	DUF4190 domain-containing prote	57876535	XaFJ1_RS05805291	96	
1092	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1380250	1381782	-	WP_012915735. WP_012915735.1	aldehyde dehydrogenase family pr	57876536	XaFJ1_RS058101533	510	
1093	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1382929	1383114	+	WP_045756798. WP_045756798.1	helix-turn-helix domain-containi	57876537	XaFJ1_RS05815186	61	
1094	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1383162	1384393	+	WP_155393715. WP_155393715.1	IS3 family transposase	57876538	XaFJ1_RS058201233	410	ribosomal_slippage
1095	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1384745	1385041	+	WP_045756799. WP_045756799.1	hypothetical protein	57876539	XaFJ1_RS05825297	98	
1096	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1385083	1385394	+	WP_146083994. WP_146083994.1	hypothetical protein	57876540	XaFJ1_RS05830312	103	
1097	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1385467	1386708	+	WP_012915742. WP_012915742.1	hypothetical protein	57876541	XaFJ1_RS058351242	413	
1098	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1386756	1387586	+	WP_155393648. WP_155393648.1	hypothetical protein	57876542	XaFJ1_RS05840831	276	
1099	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1387561	1388355	+	WP_012915744. WP_012915744.1	class I SAM-dependent methyltran	57876543	XaFJ1_RS05845795	264	
1100	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1388368	1389675	+	WP_045757236. WP_045757236.1	ABC transporter permease	57876544	XaFJ1_RS058501308	435	
1101	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1389672	1390919	+	WP_012915746. WP_012915746.1	ABC transporter permease	57876545	XaFJ1_RS058551248	415	
1102	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1391167	1391484	+	WP_146083997. WP_146083997.1	hypothetical protein	57876546	XaFJ1_RS05860318	105	
1103	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1392327	1392767	+	WP_045757238. WP_045757238.1	helix-turn-helix domain-containi	57876548	XaFJ1_RS05870441	146	
1104	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1392782	1393108	+	WP_045756802. WP_045756802.1	DUF4258 domain-containing prote	57876549	XaFJ1_RS05875327	108	
1105	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1394024	1394305	+	WP_045756803. WP_045756803.1	hypothetical protein	57876551	XaFJ1_RS05885282	93	
1106	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1394793	1397294	+	WP_045756804. WP_045756804.1	bifunctional aspa thrA	57876552	XaFJ1_RS058902502	833	
1107	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1397330	1398259	+	WP_080931584. WP_080931584.1	homoserine kinase	57876553	XaFJ1_RS05895930	309	
1108	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1398838	1399643	-	WP_155393649. WP_155393649.1	ISS family transposase	57876554	XaFJ1_RS05900807	268	ribosomal_slippage
1109	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1399686	1401308	+	WP_045756805. WP_045756805.1	tannase/feruloyl esterase family al	57876555	XaFJ1_RS059051623	530	
1110	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1401900	1403201	+	WP_012915759. WP_012915759.1	threonine synth thrC	57876556	XaFJ1_RS059101302	443	
1111	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1403660	1403988	-	WP_155393650. WP_155393650.1	hypothetical protein	57876557	XaFJ1_RS05915429	142	
1112	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1404832	1406232	+	WP_012915763. WP_012915763.1	histidine-tRNA ligase	57876558	XaFJ1_RS059201401	466	
1113	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1407676	1407975	+	WP_012915765. WP_012915765.1	trp operon repressor	57876560	XaFJ1_RS05930300	99	
1114	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1408012	1408928	+	WP_012915766. WP_012915766.1	ATP phosphoribosyltransferase	57876561	XaFJ1_RS05935915	304	
1115	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1408923	1410218	+	WP_012915767. WP_012915767.1	histidinol dehydr hisD	57876562	XaFJ1_RS059401296	431	
1116	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1410215	1411315	+	WP_012915768. WP_012915768.1	histidinol-phosphate transaminase	57876563	XaFJ1_RS059451101	367	
1117	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1411312	1412385	+	WP_012915769. WP_012915769.1	bifunctional histic hisB	57876564	XaFJ1_RS059501074	356	
1118	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1412444	1413046	+	WP_045757240. WP_045757240.1	imidazole glyceric hisH	57876565	XaFJ1_RS05955603	200	
1119	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1413043	1413777	+	WP_012915771. WP_012915771.1	1-(5-phosphoribic hisA	57876566	XaFJ1_RS05960735	244	
1120	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1413771	1414547	+	WP_012915772. WP_012915772.1	imidazole glyceric hisF	57876567	XaFJ1_RS05965777	258	
1121	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1414537	1415163	+	WP_012915773. WP_012915773.1	bifunctional phosphoribosyl-AMP c	57876568	XaFJ1_RS05970627	208	
1122	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1415336	1416328	-	WP_045757241. WP_045757241.1	PhoH family protein	57876569	XaFJ1_RS05975993	330	
1123	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1416440	1417852	-	WP_012915775. WP_012915775.1	tRNA (N6-isopen miaB)	57876570	XaFJ1_RS059801413	470	
1124	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1418136	1419083	+	WP_012915776. WP_012915776.1	lytic transglycosylase domain-cont	57876571	XaFJ1_RS05985948	315	
1125	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1419231	1419860	+	WP_012915777. WP_012915777.1	ubiquinol-cytochr petA	57876572	XaFJ1_RS05990630	209	
1126	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1419864	1421126	+	WP_012915778. WP_012915778.1	cytochrome bc complex cytochrom	57876573	XaFJ1_RS059951263	420	
1127	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1421119	1421865	+	WP_012915779. WP_012915779.1	cytochrome c1	57876574	XaFJ1_RS06000747	248	
1128	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1422036	1422671	+	WP_012915780. WP_012915780.1	glutathione S-transferase N-termin	57876575	XaFJ1_RS06005636	211	
1129	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1422745	1423179	+	WP_012915781. WP_012915781.1	CtpXP protease specificity-enhanc	57876576	XaFJ1_RS06010435	144	
1130	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1423411	1423755	-	WP_012915782. WP_012915782.1	DUF3301 domain-containing prote	57876577	XaFJ1_RS06015345	114	
1131	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1423885	1424763	-	WP_012915783. WP_012915783.1	carboxylating nic nadC	57876578	XaFJ1_RS06020879	292	
1132	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1424760	1425029	-	WP_012915784. WP_012915784.1	hypothetical protein	57876579	XaFJ1_RS06025270	89	
1133	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1425088	1425591	+	WP_012915785. WP_012915785.1	5-(carboxyamino purE	57876580	XaFJ1_RS06030504	167	
1134	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1425588	1426736	+	WP_012915786. WP_012915786.1	5-(carboxyamino)imidazole ribonuc	57876581	XaFJ1_RS060351149	382	
1135	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1426839	1427417	+	WP_012915787. WP_012915787.1	superoxide dismutase	57876582	XaFJ1_RS06040579	192	
1136	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1427547	1427867	+	WP_012915788. WP_012915788.1	Grx4 family mont grxD	57876583	XaFJ1_RS06045321	106	
1137	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1427867	1428604	+	WP_012915789. WP_012915789.1	SDR family NAD(P)-dependent oxi	57876584	XaFJ1_RS06050738	245	
1138	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1428601	1429200	+	WP_012915790. WP_012915790.1	YhgN family NAAT transporter	57876585	XaFJ1_RS06055600	199	
1139	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1429621	1432842	+	WP_045757242. WP_045757242.1	TonB-dependent receptor	57876586	XaFJ1_RS060603222	1073	
1140	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1432952	1434340	+	WP_045756807. WP_045756807.1	nucleotide 5'-monophosphate nucl	57876587	XaFJ1_RS060651389	462	
1141	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1434330	1435367	-	WP_012915793. WP_012915793.1	histidine kinase	57876588	XaFJ1_RS060701038	345	
1142	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1435625	1436088	+	WP_012915794. WP_012915794.1	GspH/FimT family pseudopilin	57876589	XaFJ1_RS06075564	187	
1143	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1436114	1436608	+	WP_012915795. WP_012915795.1	type IV pilus mod pilV	57876590	XaFJ1_RS06080495	164	
1144	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1436620	1437580	+	WP_045757243. WP_045757243.1	PilW family protein	57876591	XaFJ1_RS06085963	320	
1145	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1437579	1438157	+	WP_012915797. WP_012915797.1	type IV pilus protein signal pilX	57876592	XaFJ1_RS06090579	192	
1146	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1438168	1441965	+	WP_045756808. WP_045756808.1	pilus assembly protein	57876593	XaFJ1_RS060953798	1265	
1147	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1441965	1442384	+	WP_012915799. WP_012915799.1	type IV pilin protein	57876594	XaFJ1_RS06100420	139	
1148	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1443307	1444419	-	WP_012915800. WP_012915800.1	homoserine O-acetyltransferase	57876597	XaFJ1_RS061151113	370	
1149	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1444651	1445644	-	WP_012915801. WP_012915801.1</					

1152	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1446762	1448696	-	WP_012915804. WP_012915804.1	heme lyase CcmF/NfE family sub 57876601	XaFJ1_RS06135	1935	644			
1153	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1449032	1449208	-	WP_012915806. WP_012915806.1	heme exporter protein CcmD	57876603	XaFJ1_RS06145	177	58		
1154	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1449205	1449954	-	WP_012915807. WP_012915807.1	heme ABC trans ccsA	57876604	XaFJ1_RS06150	750	249		
1155	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1450070	1450765	-	WP_012915808. WP_012915808.1	heme exporter pr ccmB	57876605	XaFJ1_RS06155	696	231		
1156	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1450762	1451409	-	WP_012915809. WP_012915809.1	heme ABC expor ccmA	57876606	XaFJ1_RS06160	648	215		
1157	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1451597	1452745	+	WP_012915810. WP_012915810.1	pyridoxal phosphate-dependent an	57876607	XaFJ1_RS06165	1149	382		
1158	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1452847	1453686	+	WP_012915811. WP_012915811.1	amidohydrolase	57876608	XaFJ1_RS06170	840	279		
1159	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1453777	1454211	+	WP_012915812. WP_012915812.1	hypothetical protein	57876609	XaFJ1_RS06175	435	144		
1160	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1454670	1455923	-	WP_012915813. WP_012915813.1	EAL domain-containing protein	57876611	XaFJ1_RS06185	1254	417		
1161	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1456217	1459510	+	WP_012915814. WP_012915814.1	response regulator	57876612	XaFJ1_RS06190	3294	1097		
1162	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1459554	1462077	-	WP_012915815. WP_012915815.1	response regulator transcription fa	57876613	XaFJ1_RS06195	654	217		
1163	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1460480	1463659	+	WP_045761459. WP_045761459.1	YadA-like family protein	57876614	XaFJ1_RS06200	3180	1059		
1164	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1463900	1464625	+	WP_045757244. WP_045757244.1	CDP-diacylglycerol diphosphatase	57876615	XaFJ1_RS06205	726	241		
1165	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1465935	1467470	-	WP_012915820. WP_012915820.1	rRNA pseudouridine synthase	57876617	XaFJ1_RS06215	1536	511		
1166	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1467463	1468368	-	WP_012915821. WP_012915821.1	SMC-Scp comple scpB	57876618	XaFJ1_RS06220	906	301		
1167	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1468392	1469333	-	WP_012915822. WP_012915822.1	segregation/condensation protein	57876619	XaFJ1_RS06225	942	313		
1168	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1469694	1469993	+	WP_012915823. WP_012915823.1	YjcI family protein	57876620	XaFJ1_RS06230	300	99		
1169	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1469990	1470274	+	WP_012915824. WP_012915824.1	BoIA family transcriptional regulato	57876621	XaFJ1_RS06235	285	94		
1170	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1470594	1472216	+	WP_012915825. WP_012915825.1	hypothetical protein	57876622	XaFJ1_RS06240	1623	540		
1171	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1472213	1473526	+	WP_012915826. WP_012915826.1	sugar ABC transporter substrate-bi	57876623	XaFJ1_RS06245	1314	437		
1172	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1473523	1474404	+	WP_012915827. WP_012915827.1	sugar ABC transporter permease	57876624	XaFJ1_RS06250	882	293		
1173	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1474410	1475246	+	WP_045757245. WP_045757245.1	carbohydrate ABC transporter perr	57876625	XaFJ1_RS06255	837	278		
1174	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1475436	1478579	+	WP_187388442. WP_187388442.1	discoidin domain-containing protei	57876626	XaFJ1_RS06260	3144	1047		
1175	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1478746	1479810	-	WP_045756812. WP_045756812.1	peptidase C13	57876627	XaFJ1_RS06265	1065	354		
1176	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1479819	1480517	-	WP_012915831. WP_012915831.1	acireductone synt mtnC	57876628	XaFJ1_RS06270	699	232		
1177	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1480521	1481087	-	WP_012915832. WP_012915832.1	acireductone dioxygenase	57876629	XaFJ1_RS06275	567	188		
1178	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1481183	1481824	-	WP_012915833. WP_012915833.1	methylthioribulose 1-phosphate de	57876630	XaFJ1_RS06280	642	213		
1179	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1481942	1483378	-	WP_012915834. WP_012915834.1	amino acid permease	57876631	XaFJ1_RS06285	1437	478		
1180	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1483463	1484935	-	WP_012915835. WP_012915835.1	amino acid permease	57876632	XaFJ1_RS06290	1473	490		
1181	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1485110	1486568	+	WP_012915836. WP_012915836.1	NUDIX hydrolase	57876633	XaFJ1_RS06295	549	182		
1182	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1485699	1486940	-	WP_045756813. WP_045756813.1	phosphoglycerate serA	57876634	XaFJ1_RS06300	1242	413		
1183	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1487169	1488557	+	WP_012915838. WP_012915838.1	FAD-binding oxidoreductase	57876635	XaFJ1_RS06305	1389	462		
1184	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1488682	1488993	+	WP_045756814. WP_045756814.1	DUF2388 domain-containing prote	57876636	XaFJ1_RS06310	312	103		
1185	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1488993	1490000	+	WP_045757246. WP_045757246.1	DUF4105 domain-containing prote	57876637	XaFJ1_RS06315	1908	635		
1186	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1490979	1491545	-	WP_012915841. WP_012915841.1	elongation factor yeiP	57876638	XaFJ1_RS06320	567	188		
1187	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1491616	1492386	-	WP_012915842. WP_012915842.1	SDR family oxidoreductase	57876639	XaFJ1_RS06325	771	256		
1188	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1492468	1493385	-	WP_012915843. WP_012915843.1	hydroxymethylglutaryl-CoA lyase	57876640	XaFJ1_RS06330	918	305		
1189	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1493551	1494339	-	WP_012915844. WP_012915844.1	enoyl-CoA hydratase/isomerase fa	57876641	XaFJ1_RS06335	789	262		
1190	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1494464	1494709	+	WP_012915845. WP_012915845.1	ferrous iron transport protein A	57876642	XaFJ1_RS06340	246	61		
1191	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1494712	1496571	+	WP_012915846. WP_012915846.1	ferrous iron trans feoB	57876643	XaFJ1_RS06345	1860	619		
1192	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1496573	1496827	+	WP_012915847. WP_012915847.1	hypothetical protein	57876644	XaFJ1_RS06350	255	84		
1193	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1496991	1497707	+	WP_012915848. WP_012915848.1	4-hydroxy-tetrahydrodipicolinate re	57876645	XaFJ1_RS06355	717	238		
1194	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1497873	1498997	+	WP_012915849. WP_012915849.1	glutamine-hydrof carA	57876646	XaFJ1_RS06360	1125	374		
1195	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1499101	1502343	+	WP_012915850. WP_012915850.1	carbamoyl-phos carB	57876647	XaFJ1_RS06365	3243	1080		
1196	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1502352	1502816	+	WP_187388443. WP_187388443.1	transcription elon greA	57876648	XaFJ1_RS06370	465	154		
1197	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1502821	1503747	+	WP_045756816. WP_045756816.1	phosphoglycerate mutase	57876649	XaFJ1_RS06375	927	308		
1198	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1503744	1505480	-	WP_012915853. WP_012915853.1	single-stranded- ϵ recJ	57876650	XaFJ1_RS06380	1737	574		
1199	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1505641	1506786	+	WP_104629872. WP_104629872.1	peptide chain rel prfB	57876651	XaFJ1_RS06385	1125	374		ribosomal_slippage
1200	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1506863	1508300	+	WP_012915855. WP_012915855.1	lysine-tRNA ligat lysS	57876652	XaFJ1_RS06390	1518	505		
1201	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1509673	1511850	+	WP_012915857. WP_012915857.1	response regulator	57876654	XaFJ1_RS06400	2178	725		
1202	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1511911	1512780	-	WP_045756818. WP_045756818.1	crotonase/enoyl-CoA hydratase far	57876655	XaFJ1_RS06405	870	289		
1203	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1512910	1514592	-	WP_012915859. WP_012915859.1	long-chain fatty acid-CoA ligase	57876656	XaFJ1_RS06410	1683	560		
1204	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1514884	1517643	-	WP_012915860. WP_012915860.1	aconitate hydrata acnA	57876657	XaFJ1_RS06415	2760	919		
1205	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1517795	1518052	+	WP_012915861. WP_012915861.1	AbrB/MazE/SpoTV family DNA-bin	57876658	XaFJ1_RS06420	258	85		
1206	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1518049	1518456	+	WP_012915862. WP_012915862.1	type II toxin-antitoxin system VapC	57876659	XaFJ1_RS06425	408	135		
1207	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1518607	1521098	+	WP_012915863. WP_012915863.1	bifunctional acon acnB	57876660	XaFJ1_RS06430	2592	863		
1208	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1521259	1523853	-	WP_012915864. WP_012915864.1	EAL domain-containing protein	57876661	XaFJ1_RS06435	2595	864		
1209	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1523858	1524934	-	WP_012915865. WP_012915865.1	chemotaxis response regulator prg	57876662	XaFJ1_RS06440	1077	358		
1210	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1524931	1525533	-	WP_012915866. WP_012915866.1	chemoreceptor g cheD	57876663	XaFJ1_RS06445	603	200		
1211	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1525530	1526396	-	WP_012915867. WP_012915867.1	chemotaxis protein CheR	57876664	XaFJ1_RS06450	867	288		
1212	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1526765	1529143	-	WP_012915868. WP_012915868.1	MCP four helix bundle domain-con	57876665	XaFJ1_RS06455	2379	792		
1213	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1529242	1529622	-	WP_012915869. WP_012915869.1	hypothetical protein	57876666	XaFJ1_RS06460	381	126		
1214	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1529808	1530299	-	WP_012915870. WP_012915870.1	chemotaxis protein CheW	57876667	XaFJ1_RS06465	492	163		
1215	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1530408	1531202	-	WP_012915871. WP_012915871.1	flagellar brake protein	57876668	XaFJ1_RS06470	795	264		
1216	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1531679	1534123	-	WP_155393736. WP_155393736.1	HAMP domain-containing protein	57876669	XaFJ1_RS06475	2445	814		
1217	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	1534797	1537049	-	WP_012915873. WP_012915873.1	MCP four helix bundle domain-con	57876670	XaFJ1_RS06480	2253	750		
1218	CDS	with_protein	GCF_00993159f Primary Assembl chromosome												

1224	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1547512	1548660	-	WP_155393081, WP_155393081.1	chemotaxis protein CheW	57876678	XaFJ1_RS06520	1149	382
1225	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1548615	1549397	-	WP_012915884, WP_012915884.1	ParA family protein	57876679	XaFJ1_RS06525	783	260
1226	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1549397	1550350	-	WP_012915885, WP_012915885.1	flagellar motor pr motD	57876680	XaFJ1_RS06530	954	317
1227	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1550358	1551098	-	WP_012915886, WP_012915886.1	flagellar motor protein	57876681	XaFJ1_RS06535	741	246
1228	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1551321	1553069	-	WP_012915887, WP_012915887.1	chemotaxis protein CheA	57876682	XaFJ1_RS06540	1749	582
1229	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1553074	1553682	-	WP_012915888, WP_012915888.1	protein phosphatase CheZ	57876683	XaFJ1_RS06545	609	202
1230	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1553682	1554074	-	WP_012915889, WP_012915889.1	chemotaxis resp cheY	57876684	XaFJ1_RS06550	393	130
1231	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1554093	1554842	-	WP_012915890, WP_012915890.1	RNA polymerase sigma factor FliA	57876685	XaFJ1_RS06555	750	249
1232	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1554839	1555723	-	WP_012915891, WP_012915891.1	P-loop NTPase	57876686	XaFJ1_RS06560	885	294
1233	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1555710	1557293	-	WP_012915892, WP_012915892.1	flagellar biosynth flhF	57876687	XaFJ1_RS06565	1584	527
1234	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1557462	1559525	-	WP_187388444, WP_187388444.1	flagellar biosynth flhA	57876688	XaFJ1_RS06570	2064	687
1235	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1559543	1560673	-	WP_012915894, WP_012915894.1	flagellar biosynth flhB	57876689	XaFJ1_RS06575	1131	376
1236	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1560613	1561604	-	WP_012915895, WP_012915895.1	flagellar biosynth flhR	57876690	XaFJ1_RS06580	792	263
1237	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1561618	1561887	-	WP_012915896, WP_012915896.1	flagellar biosynthetic protein FliQ	57876691	XaFJ1_RS06585	270	89
1238	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1561892	1562707	-	WP_012915897, WP_012915897.1	flagellar type III s flIP	57876692	XaFJ1_RS06590	816	271
1239	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1562710	1563126	-	WP_012915898, WP_012915898.1	flagellar biosynth flhO	57876693	XaFJ1_RS06595	417	138
1240	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1563123	1563461	-	WP_012915899, WP_012915899.1	flagellar motor sv flIN	57876694	XaFJ1_RS06600	339	112
1241	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1563458	1564471	-	WP_104629878, WP_104629878.1	flagellar motor sv flIM	57876695	XaFJ1_RS06605	1014	337
1242	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1564481	1565008	-	WP_012915901, WP_012915901.1	flagellar basal body-associated FilI	57876696	XaFJ1_RS06610	528	175
1243	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1565198	1566595	-	WP_012915902, WP_012915902.1	flagellar hook-length control protein	57876697	XaFJ1_RS06615	1398	465
1244	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1566592	1567059	-	WP_012915903, WP_012915903.1	flagellar export p flII	57876698	XaFJ1_RS06620	468	155
1245	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1567063	1568439	-	WP_012915904, WP_012915904.1	FliI/YscN family ATPase	57876699	XaFJ1_RS06625	1377	458
1246	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1568436	1569053	-	WP_012915905, WP_012915905.1	flagellar assembly protein FliH	57876700	XaFJ1_RS06630	618	205
1247	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1569050	1570039	-	WP_012915906, WP_012915906.1	flagellar motor sv flIG	57876701	XaFJ1_RS06635	990	329
1248	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1570050	1571159	-	WP_012915907, WP_012915907.1	flagellar M-ring p flIF	57876702	XaFJ1_RS06640	1710	569
1249	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1571771	1572133	-	WP_012915908, WP_012915908.1	flagellar hook-bai flIE	57876703	XaFJ1_RS06645	363	120
1250	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1572375	1575869	-	WP_080931585, WP_080931585.1	glycosyltransferase	57876704	XaFJ1_RS06650	3495	1164
1251	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1576380	1576823	+	WP_012915911, WP_012915911.1	hypothetical protein	57876705	XaFJ1_RS06655	444	147
1252	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1576976	1577593	-	WP_012915912, WP_012915912.1	acetyltransferase	57876706	XaFJ1_RS06660	618	205
1253	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1577590	1578729	-	WP_012915913, WP_012915913.1	aromatic ring-hydroxylating dioxygenase	57876707	XaFJ1_RS06665	1140	379
1254	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1578754	1579410	-	WP_012915914, WP_012915914.1	NeuD/PglB/VroB family sugar acet	57876708	XaFJ1_RS06670	657	218
1255	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1579407	1580186	-	WP_155393652, WP_155393652.1	SDR family oxidoreductase	57876709	XaFJ1_RS06675	780	259
1256	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1580183	1580944	-	WP_012915916, WP_012915916.1	SDR family oxidoreductase	57876710	XaFJ1_RS06680	762	253
1257	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1580947	1581987	-	WP_012915917, WP_012915917.1	ketosacyl-ACP synthase III	57876711	XaFJ1_RS06685	1041	346
1258	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1581991	1582215	-	WP_012915918, WP_012915918.1	acyl carrier protein	57876712	XaFJ1_RS06690	225	74
1259	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1582212	1583381	-	WP_012915919, WP_012915919.1	DegT/DnrJ/EryC1/StrS family amin	57876713	XaFJ1_RS06695	1170	389
1260	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1583671	1585158	-	WP_012915920, WP_012915920.1	sigma-54 dependent transcriptiona	57876714	XaFJ1_RS06700	1488	487
1261	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1585155	1585538	-	WP_012915921, WP_012915921.1	response regulator transcription fa	57876715	XaFJ1_RS06705	384	125
1262	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1585553	1586953	-	WP_012915922, WP_012915922.1	RNA polymerase rhoN	57876716	XaFJ1_RS06710	1401	416
1263	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1587224	1587856	-	WP_012915923, WP_012915923.1	response regulator transcription fa	57876717	XaFJ1_RS06715	633	260
1264	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1587948	1588526	-	WP_012915924, WP_012915924.1	PilZ domain-containing protein	57876718	XaFJ1_RS06720	579	192
1265	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1588523	1588831	-	WP_012915925, WP_012915925.1	hypothetical protein	57876719	XaFJ1_RS06725	309	102
1266	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1588828	1589247	-	WP_012915926, WP_012915926.1	flagellar export cil flIS	57876720	XaFJ1_RS06730	420	139
1267	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1589405	1590748	-	WP_080931552, WP_080931552.1	flagellar filament flID	57876721	XaFJ1_RS06735	1344	447
1268	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1590969	1592156	-	WP_012915928, WP_012915928.1	flagellin	57876722	XaFJ1_RS06740	1188	395
1269	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1592892	1594097	-	WP_012915929, WP_012915929.1	flagellar hook-aa: flGL	57876723	XaFJ1_RS06745	1206	404
1270	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1594094	1595688	-	WP_012915930, WP_012915930.1	flagellar hook-aa: flgK	57876724	XaFJ1_RS06750	1875	624
1271	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1595890	1597182	-	WP_012915931, WP_012915931.1	flagellar assembl flgJ	57876725	XaFJ1_RS06755	1203	400
1272	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1597184	1598302	-	WP_012915932, WP_012915932.1	flagellar basal body P-ring protein	57876726	XaFJ1_RS06760	1119	372
1273	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1598311	1599009	-	WP_012915933, WP_012915933.1	flagellar basal bc flgH	57876727	XaFJ1_RS06765	699	232
1274	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1599033	1599818	-	WP_012915934, WP_012915934.1	flagellar basal-bc flgG	57876728	XaFJ1_RS06770	786	261
1275	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1599913	1600668	-	WP_012915935, WP_012915935.1	flagellar basal body rod protein Flg	57876729	XaFJ1_RS06775	756	251
1276	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1600844	1602067	-	WP_012915936, WP_012915936.1	flagellar hook prc flgE	57876730	XaFJ1_RS06780	1224	407
1277	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1602093	1602773	-	WP_012915937, WP_012915937.1	flagellar basal bc flgD	57876731	XaFJ1_RS06785	681	226
1278	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1602815	1603222	-	WP_012915938, WP_012915938.1	flagellar basal bc flgC	57876732	XaFJ1_RS06790	408	135
1279	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1603226	1603624	-	WP_012915939, WP_012915939.1	flagellar basal bc flgB	57876733	XaFJ1_RS06795	399	132
1280	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1603770	1604474	-	WP_045757250, WP_045757250.1	chemotaxis protein	57876734	XaFJ1_RS06800	945	314
1281	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1604836	1605410	+	WP_045756820, WP_045756820.1	flagellar basal bc flgA	57876735	XaFJ1_RS06805	645	214
1282	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1605547	1605864	+	WP_012915942, WP_012915942.1	flagellar biosynth flgM	57876736	XaFJ1_RS06810	318	105
1283	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1605861	1606205	+	WP_012915943, WP_012915943.1	flagellar protein FlgN	57876737	XaFJ1_RS06815	345	114
1284	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1606309	1607520	+	WP_187388445, WP_187388445.1	sensor histidine kinase	57876738	XaFJ1_RS06820	1212	403
1285	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1607622	1609346	-	WP_012915945, WP_012915945.1	EAL domain-containing protein	57876739	XaFJ1_RS06825	1725	574
1286	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1609351	1611450	-	WP_012915946, WP_012915946.1	PAS domain S-box protein	57876740	XaFJ1_RS06830	2100	699
1287	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1611611	1614400	+	WP_045757251, WP_045757251.1	bifunctional diguanylate cyclase/ph	57876741	XaFJ1_RS06835	2790	929
1288	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1614980	1616734	-	WP_012915948, WP_012915948.1	ABC transporter permease subunit	57876742	XaFJ1_RS06840	1755	584
1289	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1616751	1618070	+	WP_012915949, WP_012915949.1	nitrate/sulfonate/bicarbonate ABC	57876743	XaFJ1_RS06845	1320	439
1290	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1618117	1618419	-	WP_012915950, WP_012915950.1	hypothetical protein	57876744	XaFJ1_RS06850	303	100
1291	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1618543	1619733	-	WP_012915951, WP_012915951.1	chemotaxis protein	57876745	XaFJ1_RS06855	1191	396
1292	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1619872	1620486	-	WP_012915952, WP_012915952.1	high frequency ly flhD	57876746	XaFJ1_RS06860	615	204
1293	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1620483								

1296	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1622724	1625009	+	WP_012915956. WP_012915956.1	ATP-dependent (clpA	57876750	XaFJ1_RS068802286	761	
1297	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1625150	1625368	-	WP_004425677. WP_004425677.1	translation initiati	57876751	XaFJ1_RS06885219	72	
1298	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1625462	1626199	-	WP_012915957. WP_012915957.1	leucyl/phenylalanyl-HRNA-protein	57876752	XaFJ1_RS06890738	245	
1299	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1626218	1627348	-	WP_012915958. WP_012915958.1	GNAT family N-acetyltransferase	57876753	XaFJ1_RS068951131	376	
1300	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1627454	1628422	-	WP_045756822. WP_045756822.1	thioredoxin-disulf trxB	57876754	XaFJ1_RS06900969	322	
1301	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1628712	1631069	+	WP_012915960. WP_012915960.1	DNA translocase FtsK	57876755	XaFJ1_RS069052358	785	
1302	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1631526	1632152	+	WP_012915962. WP_012915962.1	outer membrane IolA	57876757	XaFJ1_RS06915627	208	
1303	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1632331	1633353	-	WP_012915963. WP_012915963.1	CDF family CoII dmeF	57876758	XaFJ1_RS069201023	340	
1304	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1633436	1634809	+	WP_012915964. WP_012915964.1	replication-associated recombinati	57876759	XaFJ1_RS069251374	457	
1305	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1635051	1636494	+	WP_012915965. WP_012915965.1	voltage-gated chloride channel fan	57876760	XaFJ1_RS069301344	447	
1306	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1636538	1637158	-	WP_049887209. WP_049887209.1	tetratricopeptide repeat protein	57876761	XaFJ1_RS06935621	206	
1307	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1637168	1637658	-	WP_012915967. WP_012915967.1	cytochrome c-type biogenesis prot	57876762	XaFJ1_RS06940471	156	
1308	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1637655	1638197	-	WP_012915968. WP_012915968.1	DsbE family thiol-disulfide intercha	57876763	XaFJ1_RS06945543	180	
1309	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1640226	1640693	-	WP_012915970. WP_012915970.1	cytochrome c ma ccmE	57876765	XaFJ1_RS06955468	155	
1310	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1640677	1640892	-	WP_012915971. WP_012915971.1	heme exporter pr ccmD	57876766	XaFJ1_RS06960216	71	
1311	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1640889	1641704	-	WP_012915972. WP_012915972.1	heme ABC trans ccsA	57876767	XaFJ1_RS06965816	271	
1312	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1641715	1643079	-	WP_045757252. WP_045757252.1	S8 family serine peptidase	57876768	XaFJ1_RS069701365	454	
1313	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1643079	1643720	-	WP_012915974. WP_012915974.1	hypothetical protein	57876769	XaFJ1_RS06975642	213	
1314	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1643717	1644301	-	WP_012915975. WP_012915975.1	sigma-70 family RNA polymerase t	57876770	XaFJ1_RS06980585	194	
1315	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1644365	1645045	-	WP_049887210. WP_049887210.1	hypothetical protein	57876771	XaFJ1_RS06985681	226	
1316	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1645002	1645157	+	WP_162596415. WP_162596415.1	hypothetical protein	57876773	XaFJ1_RS15795156	51	
1317	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1645307	1645705	-	WP_012915977. WP_012915977.1	c-type cytochrome	57876772	XaFJ1_RS06990399	132	
1318	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1645735	1647096	-	WP_012915978. WP_012915978.1	hypothetical protein	57876773	XaFJ1_RS069951362	453	
1319	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1647162	1647374	-	WP_045756825. WP_045756825.1	cytochrome b	57876774	XaFJ1_RS07000513	170	
1320	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1649366	1650706	-	WP_155393654. WP_155393654.1	hypothetical protein	57876776	XaFJ1_RS070101341	446	
1321	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1650799	1652030	+	WP_155393715. WP_155393715.1	IS3 family transposase	57876777	XaFJ1_RS070151233	410	ribosomal_slippage
1322	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1652067	1655012	-	WP_155393655. WP_155393655.1	hypothetical protein	57876778	XaFJ1_RS070202946	981	
1323	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1655987	1657867	+	WP_161525137. WP_161525137.1	IpaD/SipD/SspD family type III sec	57876780	XaFJ1_RS070301881	62	
1324	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1658386	1658574	+	WP_152625038. WP_152625038.1	hypothetical protein	57876782	XaFJ1_RS07040189	626	
1325	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1658930	1659301	-	WP_012915988. WP_012915988.1	hypothetical protein	57876783	XaFJ1_RS07045372	123	
1326	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1659426	1660943	+	WP_012915989. WP_012915989.1	hypothetical protein	57876784	XaFJ1_RS070501518	505	
1327	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1661164	1661610	-	WP_012915990. WP_012915990.1	lytic transglycosylase domain-cont	57876785	XaFJ1_RS07055447	148	
1328	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1661726	1661956	-	WP_012915991. WP_012915991.1	hypothetical protein	57876786	XaFJ1_RS07060231	76	
1329	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1661953	1662627	-	WP_049887171. WP_049887171.1	hypothetical protein	57876787	XaFJ1_RS07065675	224	
1330	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1662599	1663195	-	WP_012915993. WP_012915993.1	oxygen-regulated invasion protein	57876788	XaFJ1_RS07070597	198	
1331	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1663192	1664043	-	WP_052689210. WP_052689210.1	type III secretion sctJ	57876789	XaFJ1_RS07075852	283	
1332	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1664086	1664370	-	WP_012915995. WP_012915995.1	type III secretion sctI	57876790	XaFJ1_RS07080285	94	
1333	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1664458	1664751	-	WP_012915996. WP_012915996.1	type III secretion sctF	57876791	XaFJ1_RS07085294	97	
1334	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1664753	1666156	-	WP_012915997. WP_012915997.1	PrghI/EprH family type III secretion	57876792	XaFJ1_RS070901404	467	
1335	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1666338	1666958	+	WP_049887173. WP_049887173.1	helix-turn-helix domain-containing	57876793	XaFJ1_RS07095621	206	
1336	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1667021	1668835	+	WP_052688441. WP_052688441.1	type III secretion sctC	57876794	XaFJ1_RS071001815	604	
1337	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1668822	1669937	+	WP_012916000. WP_012916000.1	hypothetical protein	57876795	XaFJ1_RS071051116	371	
1338	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1670133	1672244	+	WP_012916001. WP_012916001.1	EscV/YscV/HrcV family type III sec	57876796	XaFJ1_RS071102112	703	
1339	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1672256	1672666	+	WP_012916002. WP_012916002.1	hypothetical protein	57876797	XaFJ1_RS07115411	136	
1340	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1672669	1674018	+	WP_012916003. WP_012916003.1	Fill/YscN family ATPase	57876798	XaFJ1_RS071201350	449	
1341	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1674005	1674457	+	WP_012916004. WP_012916004.1	hypothetical protein	57876799	XaFJ1_RS07125453	150	
1342	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1674447	1675595	+	WP_012916005. WP_012916005.1	hypothetical protein	57876800	XaFJ1_RS071301149	382	
1343	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1675592	1676632	+	WP_012916006. WP_012916006.1	FIIM/FIN family flagellar motor swiI	57876801	XaFJ1_RS071351041	346	
1344	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1676632	1677324	+	WP_045756836. WP_045756836.1	EscR/YscR/HrcR family type III ser	57876802	XaFJ1_RS07140693	230	
1345	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1677327	1677593	+	WP_012916008. WP_012916008.1	type III secretion sctS	57876803	XaFJ1_RS07145267	88	
1346	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1677593	1678363	+	WP_012916009. WP_012916009.1	type III secretion sctT	57876804	XaFJ1_RS07150771	256	
1347	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1678360	1679436	+	WP_012916010. WP_012916010.1	EscU/YscU/HrcU family type III ser	57876805	XaFJ1_RS071551077	358	
1348	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1679644	1680132	+	WP_155393186. WP_155393186.1	SycD/LcrH family type III secretion	57876806	XaFJ1_RS07160489	162	
1349	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1680400	1682004	+	WP_012916012. WP_012916012.1	type III secretion sctE	57876807	XaFJ1_RS071651605	534	
1350	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1682112	1683284	+	WP_045756838. WP_045756838.1	hypothetical protein	57876808	XaFJ1_RS071701173	590	
1351	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1683691	1685304	+	WP_155393658. WP_155393658.1	hypothetical protein	57876809	XaFJ1_RS071751614	337	
1352	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1685548	1686531	+	WP_012916015. WP_012916015.1	hypothetical protein	57876810	XaFJ1_RS071801984	327	
1353	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1686555	1687370	+	WP_155393096. WP_155393096.1	OmpA family protein	57876811	XaFJ1_RS07185816	271	
1354	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1687620	1690193	+	WP_012916017. WP_012916017.1	xxa-associated protein	57876813	XaFJ1_RS071952574	857	
1355	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1691293	1692993	+	WP_012916019. WP_012916019.1	hypothetical protein	57876814	XaFJ1_RS072001701	564	
1356	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1693465	1695219	-	WP_012916021. WP_012916021.1	carbamoyltransferase	57876817	XaFJ1_RS072151755	586	
1357	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1695261	1696751	-	WP_012916022. WP_012916022.1	MFS transporter	57876818	XaFJ1_RS072201491	496	
1358	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1696764	1697617	-	WP_012916023. WP_012916023.1	alpha/beta fold hydrolase	57876819	XaFJ1_RS07225954	317	
1359	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1697754	1698663	-	WP_155393536. WP_155393536.1	benzoyl-CoA 2,3-epoxidase subun	57876820	XaFJ1_RS072301110	369	
1360	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1699115	1700062	-	WP_012916025. WP_012916025.1	alpha/beta hydrolase	57876821	XaFJ1_RS07235948	315	
1361	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1700083	1702953	+	WP_012916026. WP_012916026.1	aminodeoxychori pabB	57876823	XaFJ1_RS072452151	716	
1362	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1702973	1703152	+	WP_045756843. WP_045756843.1	hypothetical protein	57876824	XaFJ1_RS07250180	59	
1363	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1703270	1703641	+	WP_012916027. WP_012916027.1	aminotransferase class IV	57876825	XaFJ1_RS07255372	123	
1364	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1703622	1704224	+	WP_012916028. WP_012916028.1	pentapeptide repeat-containing prc	57876826	XaFJ1_RS07260603	200	
1365	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1	1704245	1704874	+	WP_155394434. WP_155394434.1	chorismate lyase	57876827	XaF		

1368	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1711812	1714052	-	WP_161525139	WP_161525139.1	AMP-binding protein	57876830	XaFJ1_RS072802241	746
1369	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1714171	1715085	-	WP_197538484	WP_197538484.1	SAM-dependent methyltransferase	57876831	XaFJ1_RS07285915	304
1370	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1715119	1715835	-	WP_012916034	WP_012916034.1	ATP-binding protein	57876832	XaFJ1_RS07290717	238
1371	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1715835	1716008	-	WP_155393660	WP_155393660.1	hypothetical protein	62675596	XaFJ1_RS15885174	57
1372	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1716303	1730477	+	WP_203417802	WP_203417802.1	amino acid adenylation domain-co	57876833	XaFJ1_RS0729514175	4724
1373	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1730523	1731554	+	WP_012916036	WP_012916036.1	class I SAM-dependent methyltran	57876834	XaFJ1_RS073001032	343
1374	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1731554	1732057	+	WP_012916037	WP_012916037.1	hotdog fold thioesterase	57876835	XaFJ1_RS07305504	167
1375	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1732195	1734879	+	WP_045756851	WP_045756851.1	amino acid adenylation domain-co	57876836	XaFJ1_RS073102685	894
1376	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1735053	1736448	+	WP_161525142	WP_161525142.1	DNA-binding protein	57876837	XaFJ1_RS07315396	131
1377	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1735961	1736214	+	WP_162596416	WP_162596416.1	hypothetical protein	57878534	XaFJ1_RS15800354	117
1378	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1736211	1736714	-	WP_161525144	WP_161525144.1	DUF2726 domain-containing prote	57876838	XaFJ1_RS07320504	167
1379	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1736757	1738082	-	WP_161525147	WP_161525147.1	Zona occludens toxin	57876839	XaFJ1_RS073251326	441
1380	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1738087	1738473	-	WP_045761270	WP_045761270.1	hypothetical protein	57876840	XaFJ1_RS07330387	128
1381	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1738470	1739639	-	WP_161525149	WP_161525149.1	hypothetical protein	57876841	XaFJ1_RS073351170	389
1382	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1739728	1739964	-	WP_155393541	WP_155393541.1	hypothetical protein	57876842	XaFJ1_RS07340237	78
1383	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1740178	1740312	-	WP_161525151	WP_161525151.1	capsid protein	57876843	XaFJ1_RS07345135	44
1384	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1740346	1740603	-	WP_161525153	WP_161525153.1	hypothetical protein	57876844	XaFJ1_RS07350258	85
1385	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1740631	1740918	-	WP_161525155	WP_161525155.1	DNA-binding protein	57876845	XaFJ1_RS07355288	95
1386	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1740915	1741772	-	WP_203417805	WP_203417805.1	replication initiation protein	57876846	XaFJ1_RS07360858	285
1387	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1742274	1742498	-	WP_161525158	WP_161525158.1	hypothetical protein	57876847	XaFJ1_RS07365225	74
1388	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1742515	1742733	-	WP_161525160	WP_161525160.1	hypothetical protein	57876848	XaFJ1_RS07370219	72
1389	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1742730	1742918	-	WP_161525163	WP_161525163.1	hypothetical protein	57876849	XaFJ1_RS07375189	62
1390	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1743875	1744273	-	WP_080931553	WP_080931553.1	DUF2726 domain-containing prote	57876851	XaFJ1_RS07385399	132
1391	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1745222	1761751	-	WP_203417803	WP_203417803.1	non-ribosomal peptide synthase/pc	57876852	XaFJ1_RS0739016530	5509
1392	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1761737	1762135	+	WP_203417804	WP_203417804.1	hypothetical protein	62675597	XaFJ1_RS15890399	132
1393	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1762186	1789839	-	WP_161525165	WP_161525165.1	non-ribosomal peptide synthase/pc	57876853	XaFJ1_RS0739527654	9217
1394	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1789972	1790238	+	WP_045756858	WP_045756858.1	hypothetical protein	57876854	XaFJ1_RS07400267	88
1395	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1791549	1792346	-	WP_012916058	WP_012916058.1	ISS1S1182 family transposase	57876855	XaFJ1_RS07405798	265
1396	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1793108	1794295	-	WP_045756859	WP_045756859.1	HAMP domain-containing protein	57876857	XaFJ1_RS074151188	395
1397	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1794292	1794981	-	WP_012916060	WP_012916060.1	response regulator	57876858	XaFJ1_RS07420690	229
1398	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1795080	1796549	+	WP_012916061	WP_012916061.1	efflux transporter outer membrane	57876859	XaFJ1_RS074251470	489
1399	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1796580	1797407	+	WP_012916062	WP_012916062.1	MipA/OmpV family protein	57876860	XaFJ1_RS07430828	275
1400	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1797431	1798549	+	WP_012916063	WP_012916063.1	efflux RND transporter periplasmic	57876861	XaFJ1_RS074351119	372
1401	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1798546	1801632	+	WP_012916064	WP_012916064.1	efflux RND transporter permease	57876862	XaFJ1_RS074403087	1028
1402	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1802820	1802964	-	WP_045756860	WP_045756860.1	hypothetical protein	57878535	XaFJ1_RS15805345	114
1403	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1803027	1804202	-	WP_012916066	WP_012916066.1	putative DNA binding domain-cont	57876867	XaFJ1_RS074651176	391
1404	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1804184	1806689	-	WP_012916067	WP_012916067.1	histidinol-phosphatase	57876868	XaFJ1_RS074702676	891
1405	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1807050	1807631	-	WP_012916068	WP_012916068.1	recombinase family protein	57876869	XaFJ1_RS07475582	193
1406	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1807959	1808225	-	WP_045756861	WP_045756861.1	hypothetical protein	62675598	XaFJ1_RS15895267	88
1407	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1808486	1808713	-	WP_012916069	WP_012916069.1	type I toxin-antitoxin system ptaRN	57876871	XaFJ1_RS07485228	75
1408	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1808785	1810230	-	WP_045756862	WP_045756862.1	P-type conjugatv trbL	57876872	XaFJ1_RS074901446	481
1409	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1810227	1810433	-	WP_080931554	WP_080931554.1	hypothetical protein	57876873	XaFJ1_RS07495207	68
1410	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1810426	1811199	-	WP_012916071	WP_012916071.1	P-type conjugatv trbJ	57876874	XaFJ1_RS07500774	257
1411	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1811756	1811995	-	WP_012916072	WP_012916072.1	TrkA family protein	57876875	XaFJ1_RS07505240	79
1412	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1812184	1812468	-	WP_012916073	WP_012916073.1	hypothetical protein	57876876	XaFJ1_RS07510285	94
1413	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1812634	1813281	+	WP_012916074	WP_012916074.1	hypothetical protein	57876877	XaFJ1_RS07515648	215
1414	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1814557	1815435	-	WP_012916076	WP_012916076.1	helicase RepA family protein	57876879	XaFJ1_RS07525879	292
1415	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1815451	1815672	-	WP_012916077	WP_012916077.1	hypothetical protein	57876880	XaFJ1_RS07530222	73
1416	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1815763	1816743	+	WP_012916078	WP_012916078.1	hypothetical protein	57876881	XaFJ1_RS07535981	326
1417	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1816822	1817082	+	WP_012916079	WP_012916079.1	AlpA family phage regulatory prote	57876882	XaFJ1_RS07540261	86
1418	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1817114	1817641	-	WP_155393667	WP_155393667.1	HEY-YIG nuclease family protein	57876883	XaFJ1_RS07545528	175
1419	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1817663	1818886	-	WP_012916080	WP_012916080.1	site-specific integrase	57876884	XaFJ1_RS075501224	407
1420	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1819193	1820758	-	WP_012916081	WP_012916081.1	glutamine-hydrof/ guaA	57876885	XaFJ1_RS075551566	521
1421	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1820907	1822364	-	WP_012916082	WP_012916082.1	IMP dehydrogen/ guaB	57876886	XaFJ1_RS075601458	485
1422	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1822495	1823385	-	WP_012916083	WP_012916083.1	bifunctional meth foD	57876887	XaFJ1_RS07565891	296
1423	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1823437	1823733	+	WP_012916084	WP_012916084.1	DUF1244 domain-containing prote	57876888	XaFJ1_RS07570297	98
1424	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1823785	1824921	-	WP_012916085	WP_012916085.1	molybdopterin-sy moeB	57876889	XaFJ1_RS075751137	378
1425	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1824972	1828189	-	WP_012916086	WP_012916086.1	molybdopterin molybdoxtransferase	57876890	XaFJ1_RS075801218	405
1426	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1826186	1826791	-	WP_012916087	WP_012916087.1	NTP transferase domain-containin	57876891	XaFJ1_RS07585606	201
1427	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1826799	1828196	-	WP_012916088	WP_012916088.1	ribosome biogeni der	57876892	XaFJ1_RS075901398	485
1428	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1828215	1829573	-	WP_045756871	WP_045756871.1	outer membrane bamB	57876893	XaFJ1_RS075951359	452
1429	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1829573	1830211	-	WP_012916090	WP_012916090.1	tetratricopeptide repeat protein	57876894	XaFJ1_RS07600639	212
1430	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1830277	1831146	-	WP_012916091	WP_012916091.1	DUF4115 domain-containing prote	57876895	XaFJ1_RS07605870	289
1431	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1831143	1831961	-	WP_012916092	WP_012916092.1	type IV pilus big pilW	57876896	XaFJ1_RS07610819	272
1432	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1831948	1833129	-	WP_161525215	WP_161525215.1	23S rRNA (adeni r1mN	57876897	XaFJ1_RS076151182	393
1433	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1833167	1833592	-	WP_012916094	WP_012916094.1	nucleoside-diph ndk	57876898	XaFJ1_RS07620426	141
1434	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1833810	1834442	+	WP_012916095	WP_012916095.1	TeR family transcriptional regulato	57876899	XaFJ1_RS07625633	210
1435	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	1834478	1835685	+	WP_012916096	WP_012916096.1	3-hydroxyacyl-CoA dehydrogenas	57876900	XaFJ1_RS076302388	795
1436	CDS													

1440	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1842160	1843338	-	WP_012916101.WP_012916101.1	lipopolysaccharic lapB	57876905	XaFJ1_RS076551179	392		
1441	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1843345	1843632	-	WP_012916102.WP_012916102.1	LapA family protein	57876906	XaFJ1_RS07660288	95		
1442	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1843706	1844011	-	WP_012916103.WP_012916103.1	integration host factor subunit beta	57876907	XaFJ1_RS07665306	101		
1443	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1844090	1845769	-	WP_012916104.WP_012916104.1	30S ribosomal pr rpsA	57876908	XaFJ1_RS076701680	559		
1444	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1846005	1846676	-	WP_012916105.WP_012916105.1	(d)CMP kinase	57876909	XaFJ1_RS07675672	223		
1445	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1846849	1846974	+	WP_003468676.WP_003468676.1	type B 50S ribosi ykG	57876910	XaFJ1_RS07680126	41		
1446	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1847099	1847428	+	WP_012916106.WP_012916106.1	hypothetical protein	57876911	XaFJ1_RS07685330	109		
1447	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1847619	1848656	+	WP_012916107.WP_012916107.1	agmatine deiminase family protein	57876912	XaFJ1_RS076901038	345		
1448	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1848898	1849782	+	WP_045756872.WP_045756872.1	carbon-nitrogen hydrolase	57876913	XaFJ1_RS07695885	294		
1449	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1849927	1851162	+	WP_012916109.WP_012916109.1	TraB/GumN family protein	57876914	XaFJ1_RS077001236	411		
1450	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1851498	1851869	+	WP_045756873.WP_045756873.1	cytochrome c	57876915	XaFJ1_RS07705372	123		
1451	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1851878	1852339	+	WP_012916111.WP_012916111.1	cytochrome c	57876916	XaFJ1_RS07710462	153		
1452	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1852374	1854008	-	WP_080931588.WP_080931588.1	hypothetical protein	57876917	XaFJ1_RS077151635	544		
1453	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1854064	1854660	-	WP_012916113.WP_012916113.1	NtUa family Fe-S biogenesis protei	57876918	XaFJ1_RS07720597	198		
1454	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1854752	1855093	+	WP_012916114.WP_012916114.1	4a-hydroxytetrahydrobiopterin deh	57876919	XaFJ1_RS07725342	113		
1455	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1855099	1855300	+	WP_012916115.WP_012916115.1	energy transducer TonB	57876920	XaFJ1_RS07730432	143		
1456	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1855802	1857652	+	WP_012916116.WP_012916116.1	DUF3300 domain-containing prote	57876921	XaFJ1_RS077351851	616		
1457	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1857697	1858689	-	WP_012916117.WP_012916117.1	RluA family pseudouridine synthas	57876922	XaFJ1_RS07740993	330		
1458	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1859092	1862421	+	WP_045761472.WP_045761472.1	Rne/Rng family ribonuclease	57876923	XaFJ1_RS077453330	1109		
1459	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1862749	1863396	-	WP_012916119.WP_012916119.1	response regulator	57876924	XaFJ1_RS07750648	215		
1460	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1863976	1864368	+	WP_155393668.WP_155393668.1	hypothetical protein	57876925	XaFJ1_RS07755393	330		
1461	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1865152	1866264	+	WP_012916121.WP_012916121.1	type IV secretion system protein	57876926	XaFJ1_RS077601113	170		
1462	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1866316	1866825	+	WP_080929706.WP_080929706.1	DUF4189 domain-containing prote	57876927	XaFJ1_RS07765510	169		
1463	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1866894	1867454	+	WP_012916122.WP_012916122.1	hypothetical protein	57876928	XaFJ1_RS07770561	186		
1464	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1867607	1869229	+	WP_012916123.WP_012916123.1	MASE1 domain-containing protein	57876929	XaFJ1_RS077751623	540		
1465	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1869129	1870360	+	WP_155393589.WP_155393589.1	IS3 family transposase	57876930	XaFJ1_RS077801233	410	ribosomal_slippage	
1466	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1871053	1871871	+	WP_155394435.WP_155394435.1	hypothetical protein	57876931	XaFJ1_RS07785819	272		
1467	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1872068	1872334	-	WP_045757276.WP_045757276.1	hypothetical protein	57876932	XaFJ1_RS07790267	87		
1468	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1872650	1874509	-	WP_080929787.WP_080929787.1	DUF2335 domain-containing prote	57876933	XaFJ1_RS077951860	619		
1469	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1874577	1875164	-	WP_012916128.WP_012916128.1	hypothetical protein	57876934	XaFJ1_RS07800588	195		
1470	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1875636	1877141	-	WP_012916129.WP_012916129.1	AAA family ATPase	57876936	XaFJ1_RS078101779	592		
1471	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1877411	1877797	-	WP_012916130.WP_012916130.1	hypothetical protein	57876937	XaFJ1_RS07815387	128		
1472	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1877794	1878045	-	WP_045756875.WP_045756875.1	AlpA family phage regulatory prote	57876938	XaFJ1_RS07820252	83		
1473	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1878155	1878919	-	WP_012916131.WP_012916131.1	hypothetical protein	57876939	XaFJ1_RS07825765	254		
1474	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1880659	1881039	+	WP_012916133.WP_012916133.1	response regulator	57876942	XaFJ1_RS07840381	126		
1475	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1881158	1885003	+	WP_161525217.WP_161525217.1	PAS domain S-box protein	57876943	XaFJ1_RS078453646	1281		
1476	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1885045	1887405	-	WP_012916135.WP_012916135.1	RNA-binding transcriptional acces	57876944	XaFJ1_RS078502361	786		
1477	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1887507	1889141	-	WP_012916136.WP_012916136.1	PAS domain-containing protein	57876945	XaFJ1_RS078551635	544		
1478	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1889745	1890821	-	WP_012916137.WP_012916137.1	class III poly(R)-hydroxyalkanoic a	57876946	XaFJ1_RS078601077	358		
1479	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1890818	1891909	-	WP_012916138.WP_012916138.1	class III poly(R)-t phaE	57876947	XaFJ1_RS078651092	363		
1480	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1891956	1892570	-	WP_045756876.WP_045756876.1	CDP-alcohol phosphatidyltransfera	57876948	XaFJ1_RS07870615	204		
1481	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1892724	1893482	+	WP_012916140.WP_012916140.1	3-hydroxybutyrate dehydrogenase	57876949	XaFJ1_RS07875759	252		
1482	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1893786	1894274	-	WP_012916141.WP_012916141.1	8-oxo-dGTP diphosphatase	57876950	XaFJ1_RS07880489	162		
1483	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1894325	1894831	-	WP_012916142.WP_012916142.1	DUF1249 domain-containing prote	57876951	XaFJ1_RS07885507	268		
1484	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1894978	1895799	-	WP_045757280.WP_045757280.1	kinase/pyrophosphorylase	57876952	XaFJ1_RS07890822	173		
1485	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1895940	1896315	+	WP_012916144.WP_012916144.1	phosphoenolpyru; ppsA	57876953	XaFJ1_RS078952376	317		
1486	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1898320	1899273	+	WP_012916145.WP_012916145.1	mechanosensitive ion channel fam	57876954	XaFJ1_RS07900954	791		
1487	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1899335	1899907	-	WP_012916146.WP_012916146.1	oligoribonuclease orn	57876955	XaFJ1_RS07905573	190		
1488	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1900010	1900507	-	WP_012916147.WP_012916147.1	tRNA adenosine(tadA)	57876956	XaFJ1_RS07910498	165		
1489	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1900504	1900968	-	WP_012916148.WP_012916148.1	manganese-bind mntR	57876957	XaFJ1_RS07915465	154		
1490	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1901157	1902470	+	WP_187388446.WP_187388446.1	Nramp family divalent metal transp	57876958	XaFJ1_RS079201314	437		
1491	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1902830	1903537	+	WP_012916150.WP_012916150.1	superoxide dismutase	57876959	XaFJ1_RS07925708	235		
1492	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1903687	1904361	-	WP_012916151.WP_012916151.1	DUF2058 family protein	57876960	XaFJ1_RS07930675	224		
1493	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1904390	1904626	-	WP_012916152.WP_012916152.1	SlyX family protein	57876961	XaFJ1_RS07935237	78		
1494	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1904616	1905962	-	WP_012916153.WP_012916153.1	UDP-glucose/GDP-mannose dehy	57876962	XaFJ1_RS079401347	448		
1495	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1905978	1906925	-	WP_012916154.WP_012916154.1	FKBP-type peptidyl-prolyl cis-trans	57876963	XaFJ1_RS07945948	315		
1496	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1907014	1907580	-	WP_012916155.WP_012916155.1	glutathione peroxidase	57876964	XaFJ1_RS07950567	188		
1497	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1907945	1908307	+	WP_012916156.WP_012916156.1	GntR family transcriptional regulat	57876965	XaFJ1_RS07955363	120		
1498	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1908304	1909185	+	WP_012916157.WP_012916157.1	ABC transporter ATP-binding prote	57876966	XaFJ1_RS07960882	293		
1499	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1909182	1910162	+	WP_012916158.WP_012916158.1	hypothetical protein	57876967	XaFJ1_RS07965981	276		
1500	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1910212	1911039	+	WP_012916159.WP_012916159.1	hypothetical protein	57876968	XaFJ1_RS07970828	325		
1501	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1911087	1911647	+	WP_012916160.WP_012916160.1	DUF2884 family protein	57876969	XaFJ1_RS07975561	186		
1502	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1911798	1912241	+	WP_012916161.WP_012916161.1	hypothetical protein	57876970	XaFJ1_RS07980444	147		
1503	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1912286	1913707	-	WP_012916162.WP_012916162.1	class II fumarate hydratase	57876971	XaFJ1_RS079851422	473		
1504	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1914048	1915451	+	WP_012916163.WP_012916163.1	adenylosuccinate purB	57876972	XaFJ1_RS079901368	455		
1505	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1915421	1915585	+	WP_080929708.WP_080929708.1	DUF3060 domain-containing prote	57876973	XaFJ1_RS07995165	54		
1506	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1915746	1916972	+	WP_045756877.WP_045756877.1	cupin domain-containing protein	57876974	XaFJ1_RS080001227	408		
1507	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	1916980	1917867	+	WP_012916165.WP_012916165.1	GNAT family N-acetyltransferase	57876975	XaFJ1_RS08005888	295		
1508	CDS	with_protein	GCF_009931599 Primary Assembl chromosome											

1584	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2007053	2007247	-	WP_012916241, WP_012916241.1	hypothetical protein	57877056	XaFJ1_RS08410	195	64
1585	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2007240	2007698	-	WP_045757291, WP_045757291.1	hypothetical protein	57877057	XaFJ1_RS08415	459	152
1586	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2007698	2007958	-	WP_012916243, WP_012916243.1	hypothetical protein	57877058	XaFJ1_RS08420	261	86
1587	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2008005	2008640	-	WP_012916244, WP_012916244.1	DUF2589 domain-containing prote	57877059	XaFJ1_RS08425	636	211
1588	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2008653	2009231	-	WP_012916245, WP_012916245.1	DUF2589 domain-containing prote	57877060	XaFJ1_RS08430	579	192
1589	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2009341	2009880	-	WP_012916246, WP_012916246.1	acetylmutamidase	57877061	XaFJ1_RS08435	540	179
1590	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2010109	2010771	+	WP_012916247, WP_012916247.1	carbonate dehyd can	57877062	XaFJ1_RS08440	663	220
1591	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2010808	2011332	+	WP_012916248, WP_012916248.1	3-hydroxyanthranilate 3.4-dioxyge	57877063	XaFJ1_RS08445	525	174
1592	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2011361	2013496	+	WP_012916249, WP_012916249.1	FUSC family protein	57877064	XaFJ1_RS08450	2136	711
1593	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2013258	2014399	+	WP_012916250, WP_012916250.1	kynureninase	57877065	XaFJ1_RS08455	1272	423
1594	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2014753	2016213	+	WP_080929710, WP_080929710.1	FAD-dependent monooxygenase	57877066	XaFJ1_RS08460	1461	486
1595	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2016385	2017824	+	WP_045756887, WP_045756887.1	exodeoxyribonuc sbcB	57877067	XaFJ1_RS08465	1440	479
1596	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2017821	2018507	+	WP_012916253, WP_012916253.1	DUF2461 domain-containing prote	57877068	XaFJ1_RS08470	687	228
1597	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2018551	2019087	+	WP_012916254, WP_012916254.1	DUF2939 domain-containing prote	57877069	XaFJ1_RS08475	537	178
1598	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2019180	2020145	+	WP_012916255, WP_012916255.1	5'-nucleotidase	57877070	XaFJ1_RS08480	966	321
1599	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2020267	2021037	-	WP_152625151, WP_152625151.1	NAD kinase	57877071	XaFJ1_RS08485	771	256
1600	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2021373	2023454	-	WP_045756888, WP_045756888.1	NAD-glutamate dehydrogenase	57877072	XaFJ1_RS08490	5082	1693
1601	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2026950	2028197	+	WP_012916258, WP_012916258.1	efflux RND transporter periplasmic	57877073	XaFJ1_RS08495	1248	415
1602	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2028210	2031383	+	WP_012916259, WP_012916259.1	multidrug efflux RND transporter p	57877074	XaFJ1_RS08500	3174	1057
1603	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2031478	2032626	-	WP_012916260, WP_012916260.1	acyl-CoA dehydrogenase family pr	57877075	XaFJ1_RS08505	1149	382
1604	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2033746	2034888	+	WP_012916262, WP_012916262.1	homocysteine S-methyltransferase	57877077	XaFJ1_RS08515	1143	380
1605	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2034999	2037695	+	WP_012916263, WP_012916263.1	methionine synth methI	57877078	XaFJ1_RS08520	2697	898
1606	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2038130	2038834	+	WP_012916264, WP_012916264.1	response regulator transcription fa	57877079	XaFJ1_RS08525	705	234
1607	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2038927	2040249	+	WP_080929789, WP_080929789.1	sensor histidine kinase	57877080	XaFJ1_RS08530	1323	440
1608	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2040246	2041667	+	WP_012916266, WP_012916266.1	efflux transporter outer membrane	57877081	XaFJ1_RS08535	1422	473
1609	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2041667	2042800	+	WP_012916267, WP_012916267.1	ABC transporter permease	57877082	XaFJ1_RS08540	1134	377
1610	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2042797	2043561	+	WP_045756889, WP_045756889.1	ABC transporter ATP-binding prote	57877083	XaFJ1_RS08545	765	254
1611	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2043558	2044466	+	WP_012916269, WP_012916269.1	HlyD family efflux transporter perip	57877084	XaFJ1_RS08550	909	302
1612	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2044675	2045505	+	WP_012916270, WP_012916270.1	alpha/beta fold hydrolase	57877085	XaFJ1_RS08555	831	276
1613	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2045505	2045867	+	WP_012916271, WP_012916271.1	EamA family transporter	57877086	XaFJ1_RS08560	363	132
1614	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2045864	2046262	+	WP_012916272, WP_012916272.1	EamA family transporter	57877087	XaFJ1_RS08565	399	120
1615	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2046252	2047514	+	WP_012916273, WP_012916273.1	DegT/DnrJ/EryC1/StrS family amin	57877088	XaFJ1_RS08570	1263	420
1616	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2047619	2048506	-	WP_012916274, WP_012916274.1	arginase family protein	57877089	XaFJ1_RS08575	888	295
1617	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2048508	2049575	-	WP_045756890, WP_045756890.1	peptidoglycan biosynthesis prot	57877090	XaFJ1_RS08580	1068	355
1618	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2049658	2049921	+	WP_012916276, WP_012916276.1	acyl carrier protein	57877091	XaFJ1_RS08585	264	87
1619	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2049932	2051173	+	WP_012916277, WP_012916277.1	beta-ketoacyl-[acyl-carrier-protein]	57877092	XaFJ1_RS08590	1242	413
1620	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2051245	2052600	-	WP_045757293, WP_045757293.1	aminotransferase class III-fold pyr	57877093	XaFJ1_RS08595	1366	451
1621	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2052687	2053379	-	WP_012916279, WP_012916279.1	MtnX-like HAD-IB family phosphat	57877094	XaFJ1_RS08600	693	230
1622	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2054798	2055100	+	WP_012916280, WP_012916280.1	hypothetical protein	57877095	XaFJ1_RS08605	303	100
1623	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2055266	2055970	-	WP_080931590, WP_080931590.1	response regulator transcription fa	57877096	XaFJ1_RS08610	705	234
1624	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2056054	2057139	-	WP_045762302, WP_045762302.1	hypothetical protein	57877097	XaFJ1_RS08615	1086	361
1625	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2057147	2058289	-	WP_045756891, WP_045756891.1	hypothetical protein	57877098	XaFJ1_RS08620	1143	390
1626	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2058357	2058542	-	WP_012916284, WP_012916284.1	hypothetical protein	57877099	XaFJ1_RS08625	186	61
1627	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2058613	2060760	-	WP_045757295, WP_045757295.1	peptidase domain-containing ABC	57877100	XaFJ1_RS08630	2148	715
1628	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2060792	2061949	-	WP_052690255, WP_052690255.1	HlyD family efflux transporter perip	57877101	XaFJ1_RS08635	1158	385
1629	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2062679	2064196	+	WP_012916287, WP_012916287.1	MASE1 domain-containing protein	57877102	XaFJ1_RS08640	1518	505
1630	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2064180	2064599	-	WP_045757297, WP_045757297.1	hypothetical protein	57877103	XaFJ1_RS08645	420	139
1631	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2065396	2069961	+	WP_012916289, WP_012916289.1	DNA helicase	57877105	XaFJ1_RS08655	4566	1521
1632	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2070112	2071074	+	WP_045756892, WP_045756892.1	hypothetical protein	57877106	XaFJ1_RS08660	963	320
1633	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2071353	2071619	-	WP_045757298, WP_045757298.1	hypothetical protein	57877107	XaFJ1_RS08665	267	88
1634	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2071935	2073887	-	WP_080931591, WP_080931591.1	DUF2235 domain-containing prote	57877108	XaFJ1_RS08670	1953	650
1635	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2073955	2074542	-	WP_012916293, WP_012916293.1	hypothetical protein	57877109	XaFJ1_RS08675	588	195
1636	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2075017	2076795	-	WP_012916294, WP_012916294.1	AAA family ATPase	57877110	XaFJ1_RS08680	1779	592
1637	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2076792	2077178	-	WP_012916295, WP_012916295.1	hypothetical protein	57877111	XaFJ1_RS08685	387	128
1638	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2077175	2077432	-	WP_012916296, WP_012916296.1	AlpA family phage regulatory prote	57877112	XaFJ1_RS08690	258	85
1639	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2077534	2078169	-	WP_012916297, WP_012916297.1	hypothetical protein	57877113	XaFJ1_RS08695	636	211
1640	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2078234	2079457	-	WP_012916298, WP_012916298.1	tyrosine-type recombinase/integrat	57877114	XaFJ1_RS08700	1224	407
1641	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2081773	2082408	-	WP_012916300, WP_012916300.1	CDP-diacylglycerol pgsA	57877118	XaFJ1_RS08720	636	211
1642	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2082418	2084277	-	WP_012916301, WP_012916301.1	excinuclease ABI uvrC	57877119	XaFJ1_RS08725	1860	619
1643	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2084274	2085695	-	WP_012916302, WP_012916302.1	hypothetical protein	57877120	XaFJ1_RS08730	1422	473
1644	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2085692	2086180	-	WP_012916303, WP_012916303.1	low molecular weight phosphotyroi	57877121	XaFJ1_RS08735	489	162
1645	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2086177	2086692	-	WP_012916304, WP_012916304.1	3-deoxy-manno- ϵ -kdsB	57877122	XaFJ1_RS08740	786	261
1646	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2087238	2088275	-	WP_012916305, WP_012916305.1	tetraacylisaccharide 4'-kinase	57877123	XaFJ1_RS08745	1038	345
1647	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2088272	2090044	-	WP_045756893, WP_045756893.1	lipid A export pr msbA	57877124	XaFJ1_RS08750	1773	590
1648	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2090041	2090478	-	WP_012916307, WP_012916307.1	biopolymer transporter ExxB	57877125	XaFJ1_RS08755	438	145
1649	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2090483	2091154	-	WP_045756894, WP_045756894.1	MoTA/TolQ/ExbB proton channel fa	57877126	XaFJ1_RS08760	672	223
1650	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2091048	2093597	-	WP_012916309, WP_012916309.1	DNA internalization-related compl	57877127	XaFJ1_RS08765	2550	849
1651	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2093855	20945							

1656	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2097450	2097647	-	WP_045762304.WP_045762304.1	hypothetical protein	57877133	XaFJ1_RS08795	198	65	
1657	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2097667	2099457	-	WP_012916315.WP_012916315.1	succinate dehydrogenase flavoprop	57877134	XaFJ1_RS08800	1791	596	
1658	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2099487	2099873	-	WP_012916316.WP_012916316.1	succinate dehydr sdhD	57877135	XaFJ1_RS08805	387	128	
1659	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2099870	2100262	-	WP_012916317.WP_012916317.1	succinate dehydr sdhC	57877136	XaFJ1_RS08810	393	130	
1660	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2100323	2100493	-	WP_012916318.WP_012916318.1	DUF1674 domain-containing prote	57877137	XaFJ1_RS08815	171	56	
1661	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2100532	2101398	+	WP_012916319.WP_012916319.1	folate-binding protein YgfZ	57877138	XaFJ1_RS08820	867	288	
1662	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2101419	2102507	-	WP_012916320.WP_012916320.1	sn-glycerol-3-phc ugcF	57877139	XaFJ1_RS08825	1089	362	
1663	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2102951	2104387	+	WP_045757302.WP_045757302.1	glucose-6-phosph zwfC	57877140	XaFJ1_RS08830	1437	478	
1664	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2104384	2105391	+	WP_012916322.WP_012916322.1	glucokinase	57877141	XaFJ1_RS08835	1008	335	
1665	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2105388	2106107	+	WP_012916323.WP_012916323.1	6-phosphoglucor pgl	57877142	XaFJ1_RS08840	720	239	
1666	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2106218	2108134	+	WP_012916324.WP_012916324.1	phosphogluconate dehydratase	57877143	XaFJ1_RS08845	1917	638	
1667	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2108216	2108869	+	WP_012916325.WP_012916325.1	bifunctional 4-hydroxy-2-oxoglutar	57877144	XaFJ1_RS08850	654	217	
1668	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2109037	2111508	-	WP_012916326.WP_012916326.1	VirB4 family type IV secretion/conj	57877145	XaFJ1_RS08855	2472	823	
1669	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2111677	2111988	-	WP_012916327.WP_012916327.1	VirB3 family type IV secretion syst	57877146	XaFJ1_RS08860	312	103	
1670	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2111981	2112382	-	WP_049887213.WP_049887213.1	TrbC/VirB2 family protein	57877147	XaFJ1_RS08865	402	133	
1671	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2112456	2113331	-	WP_187388405.WP_187388405.1	lytic transglycosylase domain-cont	57877148	XaFJ1_RS08870	876	291	
1672	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2113455	2114510	-	WP_012916330.WP_012916330.1	P-type DNA trans virB11	57877149	XaFJ1_RS08875	1056	351	
1673	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2114529	2115704	-	WP_012916331.WP_012916331.1	Trb1/VirB10 family protein	57877150	XaFJ1_RS08880	1176	391	
1674	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2115713	2116474	-	WP_012916332.WP_012916332.1	TrbG/VirB9 family P-type conjugati	57877151	XaFJ1_RS08885	762	253	
1675	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2116471	2117445	-	WP_012916333.WP_012916333.1	hypothetical protein	57877152	XaFJ1_RS08890	975	324	
1676	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2117504	2117932	-	WP_045757303.WP_045757303.1	hypothetical protein	57877153	XaFJ1_RS08895	429	142	
1677	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2119576	2122113	-	WP_012916339.WP_012916339.1	amino acid adenylation domain-co	57877159	XaFJ1_RS08910	2538	845	
1678	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2122110	2122754	-	WP_158250769.WP_158250769.1	alpha/beta hydrolase	57877157	XaFJ1_RS08915	645	214	
1679	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2123021	2123848	-	WP_155393672.WP_155393672.1	hypothetical protein	57877158	XaFJ1_RS08920	828	275	
1680	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2123845	2125104	-	WP_012916342.WP_012916342.1	cytochrome P450	57877159	XaFJ1_RS08925	1260	419	
1681	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2127544	2128737	+	WP_012916347.WP_012916347.1	tyrosine-type recombinase/integrat	57877162	XaFJ1_RS08940	1194	397	
1682	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2128831	2129859	+	WP_045762305.WP_045762305.1	hypothetical protein	57877163	XaFJ1_RS08945	1029	342	
1683	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2130023	2130223	+	WP_012916349.WP_012916349.1	hypothetical protein	57877164	XaFJ1_RS08950	201	66	
1684	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2130226	2130588	+	WP_012916350.WP_012916350.1	hypothetical protein	57877165	XaFJ1_RS08955	363	120	
1685	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2130585	2132675	+	WP_012916351.WP_012916351.1	DUF3987 domain-containing prote	57877166	XaFJ1_RS08960	2091	694	
1686	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2132672	2133226	-	WP_155393673.WP_155393673.1	hypothetical protein	57877167	XaFJ1_RS08965	555	186	
1687	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2134032	2134619	+	WP_045756903.WP_045756903.1	hypothetical protein	57877168	XaFJ1_RS08970	588	195	
1688	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2136862	2137128	+	WP_045757306.WP_045757306.1	hypothetical protein	57877170	XaFJ1_RS08980	267	88	
1689	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2137382	2137942	-	WP_012916356.WP_012916356.1	hypothetical protein	57877171	XaFJ1_RS08985	561	186	
1690	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2138017	2138526	-	WP_012916357.WP_012916357.1	DUF4189 domain-containing prote	57877172	XaFJ1_RS08990	510	169	
1691	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2138570	2139682	-	WP_012916358.WP_012916358.1	type IV secretion system protein	57877173	XaFJ1_RS08995	1113	370	
1692	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2140054	2140506	+	WP_012916359.WP_012916359.1	hypothetical protein	57877174	XaFJ1_RS09000	453	170	
1693	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2140679	2142697	-	WP_012916360.WP_012916360.1	excinuclease ABI uvrB	57877176	XaFJ1_RS09010	2019	652	
1694	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2142845	2143361	+	WP_012916361.WP_012916361.1	GspH/FimT family pseudopilin	57877177	XaFJ1_RS09015	537	178	
1695	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2143363	2143802	+	WP_162484471.WP_162484471.1	hypothetical protein	57878536	XaFJ1_RS15810	240	79	
1696	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2147053	2148207	-	WP_012916368.WP_012916368.1	NO-inducible flav hmpA	57877183	XaFJ1_RS09045	1155	384	
1697	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2148252	2149483	-	WP_155393715.WP_155393715.1	IS3 family transposase	57877184	XaFJ1_RS09050	1233	410	ribosomal_slippage
1698	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2149713	2151263	+	WP_012916369.WP_012916369.1	nitric oxide reduct norR	57877185	XaFJ1_RS09055	1551	516	
1699	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2152223	2156338	-	WP_161525168.WP_161525168.1	YadA-like family protein	57877187	XaFJ1_RS09065	4116	1371	
1700	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2157830	2159746	-	WP_012916373.WP_012916373.1	CocE/NonD family hydrolase	57877188	XaFJ1_RS09070	1917	638	
1701	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2160080	2161342	-	WP_012916374.WP_012916374.1	glutamate 5-semialdehyde dehydr	57877189	XaFJ1_RS09075	1263	420	
1702	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2161513	2162679	-	WP_012916375.WP_012916375.1	glutamate 5-kinase proB	57877190	XaFJ1_RS09080	1167	388	
1703	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2162696	2162953	-	WP_012916376.WP_012916376.1	YciI family protein	57877191	XaFJ1_RS09085	258	85	
1704	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2163011	2164309	-	WP_012916377.WP_012916377.1	argininosuccinate argH	57877192	XaFJ1_RS09090	1299	432	
1705	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2164358	2165329	-	WP_012916378.WP_012916378.1	N-acetyl-gamma-glutamyl-phosphi	57877193	XaFJ1_RS09095	972	323	
1706	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2165326	2165943	-	WP_012916379.WP_012916379.1	GNAT family N-acetyltransferase	57877194	XaFJ1_RS09100	618	205	
1707	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2165958	2167274	-	WP_012916380.WP_012916380.1	acetylglutamate kinase	57877195	XaFJ1_RS09105	1317	438	
1708	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2167331	2168428	-	WP_012916381.WP_012916381.1	acetylornithine deacetylase	57877196	XaFJ1_RS09110	1098	365	
1709	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2168435	2168887	-	WP_012916382.WP_012916382.1	GNAT family N-acetyltransferase	57877197	XaFJ1_RS09115	453	150	
1710	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2169022	2170242	-	WP_012916383.WP_012916383.1	argininosuccinate synthase	57877198	XaFJ1_RS09120	1221	406	
1711	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2170309	2171343	-	WP_012916384.WP_012916384.1	N-acetylornithine carbamoyltransfe	57877199	XaFJ1_RS09125	1035	344	
1712	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2171643	2172173	-	WP_012916385.WP_012916385.1	hypothetical protein	57877200	XaFJ1_RS09130	531	176	
1713	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2172317	2173711	+	WP_045756906.WP_045756906.1	cysteine-tRNA ligase	57877201	XaFJ1_RS09135	1395	464	
1714	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2173758	2174198	+	WP_045756907.WP_045756907.1	SufE family protein	57877202	XaFJ1_RS09140	441	145	
1715	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2174195	2175442	+	WP_012916388.WP_012916388.1	MFS transporter	57877203	XaFJ1_RS09145	1248	416	
1716	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2175465	2176574	-	WP_012916389.WP_012916389.1	alpha/beta fold hydrolase	57877204	XaFJ1_RS09150	1110	369	
1717	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2177011	2178285	+	WP_012916390.WP_012916390.1	HydF family efflux transporter per	57877205	XaFJ1_RS09155	1275	424	
1718	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2180531	2181106	+	WP_012916393.WP_012916393.1	2OG-Fe(II) oxygenase	57877207	XaFJ1_RS09165	576	191	
1719	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2181393	2182037	+	WP_045757312.WP_045757312.1	hypothetical protein	57877208	XaFJ1_RS09170	645	214	
1720	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2182079	2183743	+	WP_012916395.WP_012916395.1	PQQ-binding-like beta-propeller re	57877209	XaFJ1_RS09175	1665	554	
1721	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2183860	2184666	+	WP_161525170.WP_161525170.1	hypothetical protein	57877210	XaFJ1_RS09180	807	268	
1722	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2184741	2185415	+	WP_012916397.WP_012916397.1	hypothetical protein	57877211	XaFJ1_RS09185	675	224	
1723	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2185713	2186852	-	WP_080929716.WP_080929716.1	RNA polymerase dksA	57877212	XaFJ1_RS09190	1140	379	
1724	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 2186967	2187239	+	WP_080929717.WP_080929717.1	membrane protei yidD	57877213	XaFJ1_RS09195	273	90	
1725	CDS	with_protein	GCF_00993159E										

1728	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2190039	2191307	+	WP_012916402.WP_012916402.1	putative acyl-CoA thioester hydrolase	57877217	XaFJ1_RS09215 1269	422
1729	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2191319	2193016	+	WP_045756909.WP_045756909.0	glycoside hydrolase family 28 prot	57877218	XaFJ1_RS09220 1698	565
1730	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2193118	2193822	-	WP_012916404.WP_012916404.1	phytoene synthase	57877219	XaFJ1_RS09225 705	234
1731	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2193843	2194550	-	WP_012916405.WP_012916405.1	phosphoglycolate phosphatase	57877220	XaFJ1_RS09230 708	235
1732	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2194537	2195277	-	WP_012916406.WP_012916406.1	bifunctional 2-pol ubiG	57877221	XaFJ1_RS09235 741	246
1733	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2195326	2196663	-	WP_012916407.WP_012916407.1	TRZ/ATZ family hydrolase	57877222	XaFJ1_RS09240 1338	445
1734	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2196845	2197511	-	WP_012916408.WP_012916408.1	elongation factor efp	57877223	XaFJ1_RS09245 567	188
1735	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2197611	2198648	+	WP_045756910.WP_045756910.1	EF-P beta-lysylat epmB	57877224	XaFJ1_RS09250 1038	345
1736	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2198843	2200120	-	WP_012916410.WP_012916410.1	lytic murein transglycosylase	57877225	XaFJ1_RS09255 1278	425
1737	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2200602	2201360	-	WP_012916411.WP_012916411.1	RNA methyltransferase	57877226	XaFJ1_RS09260 759	252
1738	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2201481	2202308	+	WP_012916412.WP_012916412.1	inositol monophosphatase	57877227	XaFJ1_RS09265 828	275
1739	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2202821	2204986	+	WP_012916413.WP_012916413.1	CHASE3 domain-containing protein	57877228	XaFJ1_RS09270 2166	721
1740	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2205271	2206236	-	WP_012916414.WP_012916414.1	protein translocase secF	57877229	XaFJ1_RS09275 966	321
1741	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2206310	2208154	-	WP_012916415.WP_012916415.1	protein translocase secD	57877230	XaFJ1_RS09280 1845	614
1742	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2208211	2208555	-	WP_012916416.WP_012916416.1	preprotein translocase yajC	57877231	XaFJ1_RS09285 345	114
1743	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2208801	2209940	-	WP_045756912.WP_045756912.1	tRNA guanosine(tgt	57877232	XaFJ1_RS09290 1140	374
1744	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2210005	2211057	-	WP_045757315.WP_045757315.1	tRNA preQ1(34) queA	57877233	XaFJ1_RS09295 1053	350
1745	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2211174	2211605	-	WP_012916419.WP_012916419.1	Lrp/AscN family transcriptional reg	57877234	XaFJ1_RS09300 432	143
1746	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2211735	2213231	+	WP_012916420.WP_012916420.1	aminotransferase class III-fold pyrI	57877235	XaFJ1_RS09305 1497	498
1747	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2213384	2215117	-	WP_012916421.WP_012916421.1	glycoside hydrolase family 9 protein	57877236	XaFJ1_RS09310 1734	577
1748	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2215189	2216082	-	WP_012916422.WP_012916422.1	MBL fold metallo-hydrolase	57877237	XaFJ1_RS09315 894	297
1749	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2216812	2217783	+	WP_045756913.WP_045756913.1	ferritin-like protein	57877238	XaFJ1_RS09320 972	323
1750	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2217793	2219856	+	WP_012916424.WP_012916424.1	LodA/GoxA family CTQ-dependent	57877239	XaFJ1_RS09325 2064	687
1751	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2219860	2221035	+	WP_012916425.WP_012916425.1	FAD-dependent monooxygenase	57877240	XaFJ1_RS09330 1176	391
1752	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2221230	2222984	-	WP_012916426.WP_012916426.1	gamma-glutamyl(tgg	57877241	XaFJ1_RS09335 1755	584
1753	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2222974	2223267	-	WP_045756914.WP_045756914.1	YthL family 4Fe-4S cluster ferred	57877242	XaFJ1_RS09340 294	97
1754	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2223425	2223919	-	WP_012916428.WP_012916428.1	hypothetical protein	57877243	XaFJ1_RS09345 495	164
1755	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2223960	2224466	-	WP_012916429.WP_012916429.1	panthetheine-phot coaD	57877244	XaFJ1_RS09350 507	168
1756	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2224643	2225068	-	WP_012916430.WP_012916430.1	16S rRNA (guani rsmD	57877245	XaFJ1_RS09355 606	201
1757	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2225283	2227187	+	WP_012916431.WP_012916431.1	molecular chaperone htpG	57877246	XaFJ1_RS09360 1905	634
1758	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2227403	2230282	-	WP_012916432.WP_012916432.1	TonB-dependent receptor	57877247	XaFJ1_RS09365 2880	959
1759	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2230824	2232419	-	WP_012916433.WP_012916433.1	glycoside hydrolase family 27 prot	57877248	XaFJ1_RS09370 1596	531
1760	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2232461	2234893	-	WP_012916434.WP_012916434.1	glycoside hydrolase family 127 pro	57877249	XaFJ1_RS09375 2433	810
1761	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2234890	2235141	-	WP_045756915.WP_045756915.1	hypothetical protein	57877250	XaFJ1_RS09380 252	83
1762	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2235338	2238427	-	WP_155393675.WP_155393675.1	TonB-dependent receptor	57877251	XaFJ1_RS09385 3090	1029
1763	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2238670	2240979	-	WP_012916436.WP_012916436.1	S9 family peptidase	57877252	XaFJ1_RS09390 2310	769
1764	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2241060	2242664	-	WP_012916437.WP_012916437.1	family 43 glycosylhydrolase	57877253	XaFJ1_RS09395 1605	534
1765	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2242661	2245619	-	WP_012916438.WP_012916438.1	discoidin domain-containing protein	57877254	XaFJ1_RS09400 4299	1432
1766	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2247013	2249844	-	WP_012916439.WP_012916439.1	TonB-dependent receptor	57877255	XaFJ1_RS09405 2832	943
1767	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2250171	2252528	-	WP_012916440.WP_012916440.1	hypothetical protein	57877256	XaFJ1_RS09410 2358	785
1768	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2252684	2252992	-	WP_012916441.WP_012916441.1	flagellar basal body protein	57877257	XaFJ1_RS09415 309	102
1769	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2253590	2254003	+	WP_152625071.WP_152625071.1	hypothetical protein	57877259	XaFJ1_RS09425 414	137
1770	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2254121	2256451	-	WP_045756917.WP_045756917.1	S9 family peptidase	57877260	XaFJ1_RS09430 2331	776
1771	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2256545	2258116	-	WP_012916444.WP_012916444.1	APC family permease	57877261	XaFJ1_RS09435 1572	523
1772	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2258223	2260061	-	WP_012916445.WP_012916445.1	DUF885 family protein	57877262	XaFJ1_RS09440 1839	612
1773	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2260198	2261406	-	WP_012916446.WP_012916446.1	Xaa-Pro peptidase family protein	57877263	XaFJ1_RS09445 1209	402
1774	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2261403	2262995	-	WP_012916447.WP_012916447.1	aldehyde dehydrogenase family pr	57877264	XaFJ1_RS09450 1593	530
1775	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2262997	2263902	-	WP_012916448.WP_012916448.1	dihydrodipicolinate synthase family	57877265	XaFJ1_RS09455 906	301
1776	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2263899	2265284	-	WP_155393117.WP_155393117.1	NAD(P)FAD-dependent oxidoredu	57877266	XaFJ1_RS09460 1386	461
1777	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2265256	2265504	-	WP_012916450.WP_012916450.1	(2Fe-2S)-binding protein	57877267	XaFJ1_RS09465 249	82
1778	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2265501	2266601	-	WP_012916451.WP_012916451.1	FAD-binding oxidoreductase	57877268	XaFJ1_RS09470 1101	366
1779	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2266598	2267539	-	WP_012916452.WP_012916452.1	4-hydroxyproline epimerase	57877269	XaFJ1_RS09475 942	313
1780	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2267712	2268419	+	WP_012916453.WP_012916453.1	AraC family transcriptional regulat	57877270	XaFJ1_RS09480 708	235
1781	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2268498	2269187	-	WP_012916454.WP_012916454.1	HAD family hydrolase	57877271	XaFJ1_RS09485 690	229
1782	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2272098	2272955	-	WP_012916456.WP_012916456.1	hypothetical protein	62675599	XaFJ1_RS15900 858	285
1783	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2273180	2274559	+	WP_161525172.WP_161525172.1	aspartate aminotransferase family	57877274	XaFJ1_RS09500 1380	489
1784	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2274620	2275732	+	WP_012916458.WP_012916458.1	alanine dehydrog ald	57877275	XaFJ1_RS09505 1113	370
1785	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2275967	2277208	+	WP_012916459.WP_012916459.1	DUF445 domain-containing protein	57877276	XaFJ1_RS09510 1242	413
1786	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2277386	2281498	+	WP_012916460.WP_012916460.1	response regulator	57877277	XaFJ1_RS09515 4113	1370
1787	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2281544	2282587	+	WP_012916461.WP_012916461.1	response regulator	57877278	XaFJ1_RS09520 1044	347
1788	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2282609	2284789	-	WP_012916462.WP_012916462.1	bifunctional 23S rrimKL	57877279	XaFJ1_RS09525 2181	726
1789	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2285220	2285741	-	WP_012916463.WP_012916463.1	N-acetyltransferase	57877281	XaFJ1_RS09535 522	173
1790	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2285738	2286397	-	WP_161525174.WP_161525174.1	alpha/beta fold hydrolase	57877282	XaFJ1_RS09540 660	219
1791	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2286776	2287354	+	WP_012916466.WP_012916466.1	N-acetylmuramoyl-L-alanine amid	57877284	XaFJ1_RS09550 579	192
1792	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2287433	2288374	-	WP_045756918.WP_045756918.1	DUF1684 domain-containing prote	57877285	XaFJ1_RS09555 942	313
1793	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2288448	2289329	-	WP_012916468.WP_012916468.1	sulfurtransferase	57877286	XaFJ1_RS09560 882	293
1794	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2289326	2290126	-	WP_012916469.WP_012916469.1	CoA pyrophosphatase	57877287	XaFJ1_RS09565 801	266
1795	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2290241	2290942	-	WP_012916470.WP_012916470.1	FKBP-type peptidyl-prolyl cis-tran	57877288	XaFJ1_RS09570 702	233
1796	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2291105	2291887	+	WP_012916471.WP_012916471.1	enoyl-CoA hydratase/isomerase fa	57877289	XaFJ1_RS09575 783	280
1797	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2291901	2292281	+	WP_012916472.WP_012916472.1	hypothetical protein	57877290	XaFJ1_RS09580 381	126
1798	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2292278	2292967	+	WP_012916473.WP_012916473.1	endonuclease III nth	57877291	XaFJ1_RS09585 690	229
1799	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2293075	2294325	-	WP_045756919.WP_045756919.1	DUF3138 family protein	57877292	XaFJ1_RS09590 1251	416

1800	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2294582	2295595	+	WP_012916475.WP_012916475.1	phosphate ABC t pstS	57877293	XaFJ1_RS09595 1014	337
1801	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2295645	2296945	+	WP_012916476.WP_012916476.1	phosphate ABC t pstS	57877294	XaFJ1_RS09600 1101	366
1802	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2297178	2298152	+	WP_012916477.WP_012916477.1	phosphate ABC t pstC	57877295	XaFJ1_RS09605 975	324
1803	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2298154	2299023	+	WP_012916478.WP_012916478.1	phosphate ABC t pstA	57877296	XaFJ1_RS09610 870	289
1804	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2299043	2299870	+	WP_045757323.WP_045757323.1	phosphate ABC t pstB	57877297	XaFJ1_RS09615 828	275
1805	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2299995	2300705	+	WP_012916480.WP_012916480.1	phosphate signal phoU	57877298	XaFJ1_RS09620 711	236
1806	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2300886	2301227	+	WP_012916481.WP_012916481.1	hypothetical protein	57877299	XaFJ1_RS09625 342	113
1807	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2301232	2302083	+	WP_012916482.WP_012916482.1	DUF692 domain-containing protein	57877300	XaFJ1_RS09630 852	283
1808	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2302076	2302822	+	WP_012916483.WP_012916483.1	putative DNA-binding domain-cont	57877301	XaFJ1_RS09635 747	248
1809	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2302897	2303550	+	WP_012916484.WP_012916484.1	ribonuclease T rmt	57877302	XaFJ1_RS09640 654	217
1810	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2304037	2304783	-	WP_012916485.WP_012916485.1	23S rRNA (guan rrmB	57877304	XaFJ1_RS09650 747	248
1811	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2304972	2307293	-	WP_045757324.WP_045757324.1	ribonuclease R rmr	57877305	XaFJ1_RS09655 2322	773
1812	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2307983	2308420	+	WP_012916487.WP_012916487.1	VirK family protein	57877307	XaFJ1_RS09665 438	145
1813	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2308670	2308867	-	WP_012916488.WP_012916488.1	hypothetical protein	57877309	XaFJ1_RS09675 198	65
1814	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2309118	2309465	+	WP_012916489.WP_012916489.1	helix-turn-helix domain-containing	57877310	XaFJ1_RS09680 348	115
1815	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2309652	2311154	-	WP_012916490.WP_012916490.1	acetylhydrolase	57877311	XaFJ1_RS09685 1503	500
1816	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2311362	2312936	-	WP_012916491.WP_012916491.1	DHA2 family efflux MFS transporte	57877312	XaFJ1_RS09690 1575	524
1817	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2312944	2314125	-	WP_012916492.WP_012916492.1	efflux RND transporter periplasmic	57877313	XaFJ1_RS09695 1182	393
1818	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2314136	2315632	-	WP_045756921.WP_045756921.1	efflux transporter outer membrane	57877314	XaFJ1_RS09700 1497	498
1819	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2315629	2316075	-	WP_012916494.WP_012916494.1	MaiR family transcriptional regulat	57877315	XaFJ1_RS09705 447	148
1820	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2316956	2319337	+	WP_049887215.WP_049887215.1	penicillin acylase family protein	57877316	XaFJ1_RS09710 2382	793
1821	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2319666	2321909	+	WP_012916496.WP_012916496.1	DNA topoisomerase parC	57877317	XaFJ1_RS09715 2244	747
1822	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2322144	2322635	-	WP_012916497.WP_012916497.1	bacterioferritin bfr	57877319	XaFJ1_RS09725 492	163
1823	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2322951	2323994	+	WP_012916498.WP_012916498.1	right-handed parallel beta-helix rep	57877320	XaFJ1_RS09730 1044	347
1824	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2324328	2326019	-	WP_012916499.WP_012916499.1	asparagine synth asnB	57877321	XaFJ1_RS09735 1692	563
1825	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2326299	2327429	-	WP_012916500.WP_012916500.1	succinyl-diaminopyr dapE	57877322	XaFJ1_RS09740 1131	376
1826	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2327603	2327959	-	WP_012916501.WP_012916501.1	Spx/MgsR family RNA polymerase	57877323	XaFJ1_RS09745 357	118
1827	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2328099	2329079	-	WP_045756922.WP_045756922.1	2,3,4,5-tetrahydr dapD	57877324	XaFJ1_RS09750 981	326
1828	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2329079	2331685	-	WP_045757326.WP_045757326.1	[protein-Pil] undulyltransferase	57877325	XaFJ1_RS09755 2607	868
1829	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2331715	2332491	-	WP_012916504.WP_012916504.1	type I methionyl i map	57877326	XaFJ1_RS09760 777	257
1830	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2332719	2333229	+	WP_012916505.WP_012916505.1	spore coat U domain-containing pr	57877327	XaFJ1_RS09765 504	168
1831	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2333255	2333995	+	WP_049887182.WP_049887182.1	molecular chaperone	57877328	XaFJ1_RS09770 741	246
1832	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2333958	2336318	-	WP_155393678.WP_155393678.1	fimbria/pilus outer membrane ushe	57877329	XaFJ1_RS09775 2361	786
1833	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2336351	2337340	+	WP_155393743.WP_155393743.1	spore coat U domain-containing pr	57877330	XaFJ1_RS09780 990	329
1834	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2337432	2337755	+	WP_045756924.WP_045756924.1	hypothetical protein	57877331	XaFJ1_RS09785 324	107
1835	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2337860	2338471	+	WP_080931593.WP_080931593.1	fimbria/pilus periplasmic chaperon	57877332	XaFJ1_RS09790 612	203
1836	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2338757	2339554	+	WP_012916510.WP_012916510.1	30S ribosomal pr rpsB	57877333	XaFJ1_RS09795 798	285
1837	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2339702	2340580	+	WP_012916511.WP_012916511.1	translation elongation factor Ts	57877334	XaFJ1_RS09800 879	292
1838	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2341109	2341831	+	WP_012916512.WP_012916512.1	UMP kinase	57877335	XaFJ1_RS09805 723	240
1839	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2342021	2342578	+	WP_012916513.WP_012916513.1	ribosome recyrclyl frf	57877336	XaFJ1_RS09810 558	185
1840	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2342618	2343558	+	WP_045756925.WP_045756925.1	di-trans.poly-cis-i-uppS	57877337	XaFJ1_RS09815 741	246
1841	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2343355	2344179	+	WP_012916515.WP_012916515.1	phosphatidate cytidylyltransferase	57877338	XaFJ1_RS09820 825	274
1842	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2344181	2345368	+	WP_012916516.WP_012916516.1	1-deoxy-D-xylulose-5-phosphate r	57877339	XaFJ1_RS09825 1188	395
1843	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2345395	2346753	+	WP_012916517.WP_012916517.1	RIP metalloprotease rseP	57877340	XaFJ1_RS09830 1359	452
1844	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2346836	2349241	+	WP_012916518.WP_012916518.1	outer membrane bamA	57877341	XaFJ1_RS09835 2406	801
1845	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2349488	2350510	+	WP_012916519.WP_012916519.1	UDP-3-O-(3-hydr) lpxD	57877342	XaFJ1_RS09840 1023	340
1846	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2350507	2350959	+	WP_012916520.WP_012916520.1	3-hydroxyacyl-AC fabZ	57877343	XaFJ1_RS09845 453	150
1847	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2350982	2351773	+	WP_012916521.WP_012916521.1	acyl-ACP-UDP-lpxA	57877344	XaFJ1_RS09850 792	263
1848	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2351770	2353131	+	WP_161525177.WP_161525177.1	lipid-A-disacchari lpxB	57877345	XaFJ1_RS09855 1362	453
1849	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2353128	2353787	+	WP_012916523.WP_012916523.1	ribonuclease HII	57877346	XaFJ1_RS09860 660	219
1850	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2353956	2357552	+	WP_012916524.WP_012916524.1	DNA polymerase dnaE	57877347	XaFJ1_RS09865 3597	1198
1851	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2357707	2358666	+	WP_012916525.WP_012916525.1	acetyl-CoA carboxylase carboxyltrn	57877348	XaFJ1_RS09870 960	319
1852	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2358878	2359330	-	WP_012916526.WP_012916526.1	CopD family protein	57877349	XaFJ1_RS09875 453	150
1853	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2359411	2360016	+	WP_045756926.WP_045756926.1	class I SAM-dependent methyltran	57877350	XaFJ1_RS09880 606	201
1854	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2360080	2361387	+	WP_045757329.WP_045757329.1	polyhydroxyalkyl phazZ	57877351	XaFJ1_RS09885 1308	436
1855	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2361505	2362425	+	WP_012916529.WP_012916529.1	peptidylprolyl isomerase	57877352	XaFJ1_RS09890 921	305
1856	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2363776	2365359	-	WP_045757330.WP_045757330.1	serine hydrolase	57877354	XaFJ1_RS09900 1584	527
1857	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2365693	2366667	+	WP_012916532.WP_012916532.1	2-keto-3-deoxyglu kdgT	57877355	XaFJ1_RS09905 975	324
1858	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2366721	2367668	+	WP_012916533.WP_012916533.1	DMT family transporter	57877356	XaFJ1_RS09910 948	315
1859	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2367684	2368808	-	WP_012916534.WP_012916534.1	sensor domain-containing diguany	57877357	XaFJ1_RS09915 1125	374
1860	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2368835	2369554	-	WP_045756927.WP_045756927.1	pseudouridine synthase	57877358	XaFJ1_RS09920 720	239
1861	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2369686	2371659	-	WP_012916536.WP_012916536.1	DEAD/DEAH box helicase	57877359	XaFJ1_RS09925 1974	673
1862	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2371880	2372101	+	WP_012916537.WP_012916537.1	RNA-binding S4 domain-containing	57877360	XaFJ1_RS09930 222	65
1863	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2372398	2372787	-	WP_045757332.WP_045757332.1	MAPEG family protein	57877361	XaFJ1_RS09935 390	129
1864	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2372827	2373339	-	WP_049887183.WP_049887183.1	DUF4019 domain-containing prote	57877362	XaFJ1_RS09940 513	170
1865	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2373402	2373665	-	WP_012916540.WP_012916540.1	hypothetical protein	57877363	XaFJ1_RS09945 264	87
1866	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2374016	2374552	+	WP_012916541.WP_012916541.1	methylated-DNA-[protein]-cysteine	57877364	XaFJ1_RS09950 537	178
1867	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2374762	2376168	+	WP_012916542.WP_012916542.1	chloride channel protein	57877365	XaFJ1_RS09955 1407	488
1868	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2376329	2376514	-	WP_012916543.WP_012916543.1	30S ribosomal protein THX	57877366	XaFJ1_RS09960 186	61
1869	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2376627	2377040	-	WP_012916544.WP_012916544.1	MecD domain-containing protein	57877367	XaFJ1_RS09965 414	137
1870	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2377149	2377640	-	WP_012916545.WP_012916545.1	transcriptional repressor	57877368	XaFJ1_RS09970 492	163
1871	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2377657	2379063	-	WP_012916546.WP_012916546.1	glutamate-tRNA gltX	57877369	XaFJ1_RS09975 1407	468

1872	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2379563	2380387	+	WP_012916547, WP_012916547.1	C1 family peptidase	57877370	XaFJ1_RS09980	825	274
1873	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2380526	2381383	+	WP_012916548, WP_012916548.1	23S rRNA (adenine(2030)-N(6))-m	57877371	XaFJ1_RS09985	858	285
1874	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2381639	2382181	+	WP_012916549, WP_012916549.1	GNAT family N-acetyltransferase	57877372	XaFJ1_RS09990	543	180
1875	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2382317	2385817	+	WP_012916550, WP_012916550.1	transcription-rep1 mfd	57877373	XaFJ1_RS09995	3501	1166
1876	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2386107	2386913	-	WP_203417796, WP_203417796.1	2,3-diphosphoglycyl gpmA	57877374	XaFJ1_RS10000	807	268
1877	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2387031	2387744	-	WP_012916552, WP_012916552.1	deoxyribonucleic nfi	57877375	XaFJ1_RS10005	714	237
1878	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2387980	2388450	+	WP_012916553, WP_012916553.1	hypothetical protein	57877376	XaFJ1_RS10010	471	156
1879	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2388511	2389371	-	WP_012916554, WP_012916554.1	pirin family protein	57877377	XaFJ1_RS10015	861	286
1880	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2389401	2389601	-	WP_045756928, WP_045756928.1	hypothetical protein	57877378	XaFJ1_RS10020	201	66
1881	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2389600	2391672	+	WP_012916555, WP_012916555.1	carbon starvation protein A	57877379	XaFJ1_RS10025	2073	690
1882	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2391672	2391896	+	WP_012916556, WP_012916556.1	YbdD/Yjx family protein	57877380	XaFJ1_RS10030	225	74
1883	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2392142	2392999	+	WP_012916557, WP_012916557.1	hypothetical protein	62675600	XaFJ1_RS15905	858	285
1884	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2395645	2396910	+	WP_012916560, WP_012916560.1	signal recognitiort ftsY	57877383	XaFJ1_RS10045	1266	421
1885	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2397083	2398144	+	WP_045757336, WP_045757336.1	A/G-specific acedi mutY	57877384	XaFJ1_RS10050	1062	353
1886	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2398198	2398476	+	WP_012916562, WP_012916562.1	oxidative damage protection protei	57877385	XaFJ1_RS10055	279	92
1887	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2398867	2400705	-	WP_045757338, WP_045757338.1	formylglycine-generating enzyme f	57877387	XaFJ1_RS10065	1839	612
1888	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2400845	2401930	+	WP_012916565, WP_012916565.1	ribonuclease D rmd	57877388	XaFJ1_RS10070	1086	361
1889	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2402033	2402440	+	WP_012916566, WP_012916566.1	H-NS histone family protein	57877389	XaFJ1_RS10075	408	135
1890	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2403167	2403252	+	WP_012916567, WP_012916567.1	rRNA maturation ybeY	57877391	XaFJ1_RS10085	486	161
1891	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2403838	2404422	+	WP_012916568, WP_012916568.1	hypothetical protein	57877392	XaFJ1_RS10090	585	194
1892	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2404535	2405416	+	WP_012916569, WP_012916569.1	CBS domain-containing protein	57877393	XaFJ1_RS10095	882	293
1893	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2405413	2406684	+	WP_012916570, WP_012916570.1	DUF4105 domain-containing prote	57877394	XaFJ1_RS10100	1272	423
1894	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2406722	2407714	+	WP_012916571, WP_012916571.1	magnesium and cobalt transport pi	57877395	XaFJ1_RS10105	993	330
1895	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2407811	2409175	-	WP_012916572, WP_012916572.1	NAD-dependent succinate-semialc	57877396	XaFJ1_RS10110	1365	454
1896	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2409316	2410167	-	WP_012916573, WP_012916573.1	ABC transporter permease subunit	57877397	XaFJ1_RS10115	852	283
1897	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2410164	2411129	-	WP_012916574, WP_012916574.1	ABC transporter permease subunit	57877398	XaFJ1_RS10120	966	321
1898	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2411126	2412274	-	WP_012916575, WP_012916575.1	polyamine ABC t potA	57877399	XaFJ1_RS10125	1149	382
1899	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2412643	2413776	-	WP_012916576, WP_012916576.1	polyamine ABC transporter substr	57877400	XaFJ1_RS10130	1134	377
1900	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2414052	2415434	-	WP_012916577, WP_012916577.1	glutamine synthetase family protei	57877401	XaFJ1_RS10135	1383	460
1901	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2415439	2416197	-	WP_012916578, WP_012916578.1	gamma-glutamyl-gamma-aminobio	57877402	XaFJ1_RS10140	759	252
1902	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2416428	2417795	+	WP_012916579, WP_012916579.1	glutamine synthetase family protei	57877403	XaFJ1_RS10145	1368	455
1903	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2417890	2419212	+	WP_012916580, WP_012916580.1	FAD-dependent oxidoreductase	57877404	XaFJ1_RS10150	1323	440
1904	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2419528	2420901	+	WP_161525219, WP_161525219.1	diguanylate cyclase	57877405	XaFJ1_RS10155	1374	457
1905	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2420040	2422111	-	WP_045757341, WP_045757341.1	MHS family MFS transporter	57877406	XaFJ1_RS10160	1272	423
1906	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2422209	2423144	-	WP_012916583, WP_012916583.1	diguanylate cyclase	57877407	XaFJ1_RS10165	936	311
1907	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2423141	2428000	-	WP_012916584, WP_012916584.1	PAS domain S-box protein	57877408	XaFJ1_RS10170	4860	1619
1908	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2428287	2428559	-	WP_012916585, WP_012916585.1	hypothetical protein	57877409	XaFJ1_RS10175	273	91
1909	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2428549	2430894	-	WP_012916586, WP_012916586.1	FdhF/YdeP family oxidoreductase	57877410	XaFJ1_RS10180	2346	780
1910	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2430891	2431730	-	WP_012916587, WP_012916587.1	formate dehydrog fdhD	57877411	XaFJ1_RS10185	840	279
1911	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2432133	2433635	-	WP_012916588, WP_012916588.1	aldehyde dehydrogenase	57877412	XaFJ1_RS10190	1503	500
1912	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2433877	2434506	-	WP_161525179, WP_161525179.1	hypothetical protein	57877413	XaFJ1_RS10195	180	59
1913	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2434288	2435274	+	WP_012916590, WP_012916590.1	asparyl/asparginyl beta-hydroxyl	57877414	XaFJ1_RS10200	987	328
1914	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2435223	2435453	-	WP_012916591, WP_012916591.1	hypothetical protein	57877415	XaFJ1_RS10205	231	76
1915	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2435521	2435771	-	WP_155393680, WP_155393680.1	hypothetical protein	57877416	XaFJ1_RS10210	351	116
1916	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2435965	2437971	-	WP_155393859, WP_155393859.1	RHS repeat-associated core doma	57877417	XaFJ1_RS10215	2007	668
1917	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2437972	2438499	-	WP_155393682, WP_155393682.1	DUF3828 domain-containing prote	57877418	XaFJ1_RS10220	528	175
1918	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2438702	2439064	-	WP_012916594, WP_012916594.1	hypothetical protein	57877419	XaFJ1_RS10225	363	120
1919	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2439066	2444405	-	WP_012916595, WP_012916595.1	DUF6531 domain-containing prote	57877420	XaFJ1_RS10230	5340	1779
1920	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2444392	2449101	-	WP_155393683, WP_155393683.1	glutamate synthase	57877421	XaFJ1_RS10235	4710	1569
1921	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2449037	2452696	-	WP_012916597, WP_012916597.1	IPT/TIG domain-containing protei	57877422	XaFJ1_RS10240	3660	1219
1922	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2452804	2453874	+	WP_012916598, WP_012916598.1	c-type cytochrome	57877423	XaFJ1_RS10245	1071	356
1923	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2453853	2454335	-	WP_012916599, WP_012916599.1	hypothetical protein	57877424	XaFJ1_RS10250	483	160
1924	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2454401	2454580	+	WP_155394440, WP_155394440.1	hypothetical protein	62675601	XaFJ1_RS15910	180	59
1925	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2454866	2455474	-	WP_045757343, WP_045757343.1	HutD family protein	57877425	XaFJ1_RS10255	609	202
1926	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2455759	2456701	-	WP_012916601, WP_012916601.1	helix-hairpin-helix domain-containi	57877426	XaFJ1_RS10260	333	110
1927	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2456808	2457077	+	WP_012916603, WP_012916603.1	GasB/YeaQ/YmgE family stress res	57877428	XaFJ1_RS10270	270	89
1928	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2457149	2458177	+	WP_012916604, WP_012916604.1	phosphotransferase	57877429	XaFJ1_RS10275	1029	342
1929	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2458174	2458986	+	WP_012916605, WP_012916605.1	nucleotidyltransferase family protei	57877430	XaFJ1_RS10280	723	240
1930	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2458950	2459684	-	WP_012916606, WP_012916606.1	DnaA regulatory hda	57877431	XaFJ1_RS10285	735	244
1931	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2459956	2461059	-	WP_012916608, WP_012916608.1	DUF2066 domain-containing prote	57877433	XaFJ1_RS10295	1104	367
1932	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2461201	2462223	+	WP_012916609, WP_012916609.1	phosphoribosylformylglycinamide	57877434	XaFJ1_RS10300	1023	340
1933	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2462207	2462659	+	WP_012916610, WP_012916610.1	hypothetical protein	57877435	XaFJ1_RS10305	453	150
1934	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2462715	2463368	+	WP_012916611, WP_012916611.1	phosphoribosylglycinamide formylt	57877436	XaFJ1_RS10310	654	217
1935	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2463439	2464278	+	WP_080929728, WP_080929728.1	DUF3108 domain-containing prote	57877437	XaFJ1_RS10315	840	279
1936	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2464281	2464964	+	WP_012916613, WP_012916613.1	DUF3108 domain-containing prote	57877438	XaFJ1_RS10320	684	227
1937	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2465092	2465376	+	WP_155393684, WP_155393684.1	hypothetical protein	62675602	XaFJ1_RS15915	285	94
1938	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2465618	2466301	+	WP_012916614, WP_012916614.1	DUF3108 domain-containing prote	57877439	XaFJ1_RS10325	684	227
1939	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2466577	2466906	-	WP_012916615, WP_012916615.1	hypothetical protein	57877440	XaFJ1_RS10330	330	109
1940	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2466903	2468177	-	WP_012916616, WP_012916616.1	UDP-N-acetylglucyl murA	57877441	XaFJ1_RS10335	1275	424
1941	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1									

1944	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2470159	2470725	+	WP_012916620.WP_012916620.1	LPS export ABC [ptC]	57877445	XaFJ1_RS10355567	188
1945	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2470703	2471299	+	WP_012916621.WP_012916621.1	lipopolysaccharic [ptA]	57877446	XaFJ1_RS10360597	198
1946	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2471299	2472018	+	WP_012916622.WP_012916622.1	LPS export ABC [ptB]	57877447	XaFJ1_RS10365720	239
1947	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2472059	2473516	+	WP_012916623.WP_012916623.1	RNA polymerase factor sigma-54	57877448	XaFJ1_RS103701458	485
1948	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2473563	2473880	+	WP_012916624.WP_012916624.1	ribosome-associat raIA	57877449	XaFJ1_RS10375318	105
1949	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2473909	2474142	+	WP_049887184.WP_049887184.1	hypothetical protein	57877450	XaFJ1_RS10380234	77
1950	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2474294	2475244	+	WP_012916625.WP_012916625.1	HPr(Ser) kinase/phosphatase	57877451	XaFJ1_RS10385951	316
1951	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2475241	2476119	+	WP_012916626.WP_012916626.1	RNase adapter F rapZ	57877452	XaFJ1_RS10390879	292
1952	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2476376	2476768	+	WP_012916627.WP_012916627.1	phosphotransferase system (pts)	57877453	XaFJ1_RS10395393	130
1953	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2476761	2477030	+	WP_012916628.WP_012916628.1	HPr family phosphocarrier protein	57877454	XaFJ1_RS10400270	89
1954	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2477089	2478795	+	WP_012916629.WP_012916629.1	phosphoenolpyru ptsP	57877455	XaFJ1_RS104051707	568
1955	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2478979	2480337	+	WP_012916630.WP_012916630.1	magnesium trans mgIE	57877456	XaFJ1_RS104101359	452
1956	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2480434	2481252	+	WP_012916631.WP_012916631.1	prolyl oligopeptidase family serine	57877457	XaFJ1_RS10415819	272
1957	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2481502	2482770	+	WP_012916632.WP_012916632.1	arsenic transporter	57877458	XaFJ1_RS104201269	427
1958	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2482780	2484153	+	WP_012916633.WP_012916633.1	amino acid permease	57877459	XaFJ1_RS104251374	452
1959	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2484454	2486667	-	WP_161525181.WP_161525181.1	MCP four helix bundle domain-con	57877460	XaFJ1_RS104302214	737
1960	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2487106	2488325	-	WP_012916636.WP_012916636.1	MCP four helix bundle domain-con	57877461	XaFJ1_RS104352220	739
1961	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2490159	2492147	-	WP_045757347.WP_045757347.1	M1 family metalloproteinase	57877462	XaFJ1_RS104401989	662
1962	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2492260	2493207	-	WP_012916638.WP_012916638.1	aspartate carbamoyltransferase ca	57877463	XaFJ1_RS10445948	315
1963	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2493226	2493723	-	WP_012916639.WP_012916639.1	Holliday junction ruvX	57877464	XaFJ1_RS10450498	165
1964	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2493716	2494282	-	WP_012916640.WP_012916640.1	YggE/AlgH family protein	57877465	XaFJ1_RS10455567	188
1965	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2494598	2495137	+	WP_012916641.WP_012916641.1	DNA-3-methyladenine glycosylase	57877466	XaFJ1_RS10460540	179
1966	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2495176	2496306	-	WP_012916642.WP_012916642.1	PilT/PilU family type 4a pilus ATPa	57877467	XaFJ1_RS104651131	376
1967	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2496431	2497468	-	WP_012916643.WP_012916643.1	type IV pilus twitching motility prot	57877468	XaFJ1_RS104701038	345
1968	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2497571	2498245	+	WP_080928215.WP_080928215.1	YggS family pyridoxal phosphate-c	57877469	XaFJ1_RS10475675	224
1969	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2498529	2499551	+	WP_045757348.WP_045757348.1	hypothetical protein	57877470	XaFJ1_RS104801023	340
1970	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2499701	2500543	+	WP_012916646.WP_012916646.1	pyrroline-5-carboxylate reductase	57877471	XaFJ1_RS10485843	280
1971	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2500751	2501350	-	WP_012916647.WP_012916647.1	pyridoxamine 5'-pdxH	57877472	XaFJ1_RS10490600	199
1972	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2501472	2502014	+	WP_012916648.WP_012916648.1	shikimate kinase	57877473	XaFJ1_RS10495543	180
1973	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2502011	2503120	+	WP_012916649.WP_012916649.1	3-dehydroquinate synthase	57877474	XaFJ1_RS105001110	369
1974	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2503218	2504744	+	WP_187388408.WP_187388408.1	efflux transporter outer membrane	57877475	XaFJ1_RS105051527	508
1975	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2504669	2507869	-	WP_012916651.WP_012916651.1	efflux RND transporter permease s	57877476	XaFJ1_RS105103201	1066
1976	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2507866	2509023	-	WP_045757350.WP_045757350.1	efflux RND transporter periplasmic	57877477	XaFJ1_RS105151158	385
1977	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2509546	2509800	+	WP_012916653.WP_012916653.1	WGR domain-containing protein	57877478	XaFJ1_RS10520255	84
1978	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2509812	2510876	+	WP_012916654.WP_012916654.1	uroporphyrinogen decarboxylase	57877479	XaFJ1_RS105251065	354
1979	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2510965	2512158	+	WP_012916655.WP_012916655.1	serine hydrolase	57877480	XaFJ1_RS105301194	397
1980	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2512459	2513895	+	WP_012916656.WP_012916656.1	multidrug transp mtdD	57877481	XaFJ1_RS105351437	478
1981	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2513994	2517560	-	WP_012916657.WP_012916657.1	response regulator	57877482	XaFJ1_RS105403567	1188
1982	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2517771	2518433	+	WP_012916658.WP_012916658.1	YoeI family protein	57877483	XaFJ1_RS10545663	220
1983	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2518430	2518999	+	WP_012916659.WP_012916659.1	cytochrome b	57877484	XaFJ1_RS10550570	189
1984	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2519011	2519577	+	WP_012916660.WP_012916660.1	YoeI family protein	57877485	XaFJ1_RS10555567	188
1985	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2519668	2519898	-	WP_045756937.WP_045756937.1	glutaredoxin family protein	57877486	XaFJ1_RS10560231	76
1986	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2519987	2521369	+	WP_012916662.WP_012916662.1	L-serine ammonia-lyase	57877487	XaFJ1_RS105651383	460
1987	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2521488	2524577	+	WP_045757351.WP_045757351.1	ligand-binding sensor domain-cont	57877488	XaFJ1_RS105703090	1029
1988	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2525042	2525182	+	WP_160296048.WP_160296048.1	hypothetical protein	57877490	XaFJ1_RS10580141	46
1989	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2525462	2526766	+	WP_012916666.WP_012916666.1	glycoside hydrolase family 18 prot	57877491	XaFJ1_RS105851305	434
1990	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2526797	2527819	-	WP_161525221.WP_161525221.1	homoserine dehydrogenase	57877492	XaFJ1_RS105901023	340
1991	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2527888	2529105	-	WP_012916668.WP_012916668.1	O-succinylhomoserine (thio)-lyase	57877493	XaFJ1_RS105951218	405
1992	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2529102	2530202	-	WP_187388409.WP_187388409.1	homoserine O-succinyltransferase	57877494	XaFJ1_RS106001101	366
1993	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2530490	2531341	+	WP_049887186.WP_049887186.1	M23 family metalloproteinase	57877495	XaFJ1_RS10605852	283
1994	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2531415	2533948	+	WP_012916671.WP_012916671.1	peptide chain release factor 3	57877496	XaFJ1_RS106101605	534
1995	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2533277	2533948	+	WP_012916672.WP_012916672.1	hemolysin III family protein	57877498	XaFJ1_RS10620672	223
1996	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2534153	2534581	-	WP_012916673.WP_012916673.1	CBS domain-containing protein	57877499	XaFJ1_RS10625429	142
1997	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2534541	2535563	-	WP_045756938.WP_045756938.1	glycosyltransferase family 2 protei	57877500	XaFJ1_RS106301023	340
1998	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2535844	2536590	-	WP_012916675.WP_012916675.1	monofunctional l mtgA	57877502	XaFJ1_RS10640747	247
1999	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2536673	2537566	+	WP_012916676.WP_012916676.1	Hsp33 family molecular chaperone	57877503	XaFJ1_RS10645894	298
2000	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2537681	2538541	+	WP_012916677.WP_012916677.1	hypothetical protein	57877504	XaFJ1_RS10650861	286
2001	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2538771	2541695	+	WP_012916678.WP_012916678.1	TonB-dependent receptor	57877505	XaFJ1_RS106552925	974
2002	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2542096	2542701	-	WP_152625156.WP_152625156.1	TetR/AcrR family transcriptional re	57877506	XaFJ1_RS10660606	201
2003	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2543110	2545590	+	WP_012916680.WP_012916680.1	acyl-CoA dehydrogenase	57877507	XaFJ1_RS106652481	826
2004	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2545753	2546106	-	WP_012916681.WP_012916681.1	DUF1304 domain-containing prote	57877508	XaFJ1_RS10670354	117
2005	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2546343	2547941	+	WP_012916682.WP_012916682.1	choline dehydrogenase	57877509	XaFJ1_RS106751599	530
2006	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2548334	2549686	+	WP_187388410.WP_187388410.1	serine hydrolase	57877510	XaFJ1_RS106801353	452
2007	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2550189	2550668	-	WP_012916684.WP_012916684.1	hypothetical protein	57877511	XaFJ1_RS10685480	159
2008	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2550933	2551175	-	WP_155393558.WP_155393558.1	hypothetical protein	57877512	XaFJ1_RS10690243	80
2009	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2551804	2552199	-	WP_012916687.WP_012916687.1	glycine cleavage gcvH	57877513	XaFJ1_RS10695396	131
2010	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2552300	2553406	-	WP_012916688.WP_012916688.1	glycine cleavage gcvT	57877514	XaFJ1_RS107001107	368
2011	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2553674	2554105	-	WP_012916689.WP_012916689.1	NfeD family protein	57877515	XaFJ1_RS10705432	143
2012	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2554109	2555674	-	WP_012916690.WP_012916690.1	SPFH/Band 7/PHB domain protein	57877516	XaFJ1_RS10710966	321
2013	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2555502	2556281	-	WP_045756941.WP_045756941.1	nucleoside tripho mazG	57877517	XaFJ1_RS10715780	259
2014	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2556443	2557243	-	WP_012916692.WP_012916692.1	3'(2'),5'-bisphosph cysQ	57877518	XaFJ1_RS10720801	266
2015	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1 2557240	2557794	-	WP_012916693.WP_012916693.1	ADP compounds nudE	57877519	XaFJ1_RS10725555	184

2016	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2557869	2559260	+	WP_012916694.WP_012916694.1	adenosylmethionine--8-amino-7-oxo-57877520	XaFJ1_RS10730	1392	463
2017	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2559251	2559982	+	WP_012916695.WP_012916695.1	16S rRNA (uracil(1498)-N(3))-metl 57877522	XaFJ1_RS10735	732	243
2018	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2560415	2562994	+	WP_012916696.WP_012916696.1	TonB-dependent receptor 57877522	XaFJ1_RS10740	2580	859
2019	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2563213	2564214	-	WP_162836143.WP_162836143.1	glucokinase 57877523	XaFJ1_RS10745	1002	333
2020	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2564338	2564559	+	WP_155393687.WP_155393687.1	hypothetical protein 57877524	XaFJ1_RS10750	222	73
2021	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2565157	2567817	+	WP_012916698.WP_012916698.1	TonB-dependent receptor 57877525	XaFJ1_RS10755	2661	886
2022	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2567916	2569610	+	WP_012916699.WP_012916699.1	alpha-L-fucosidase 57877526	XaFJ1_RS10760	1695	564
2023	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2569607	2570627	+	WP_012916700.WP_012916700.1	glycosyl hydrolase 57877527	XaFJ1_RS10765	1056	351
2024	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2570758	2573211	+	WP_187388447.WP_187388447.1	family 20 glycosylhydrolase 57877528	XaFJ1_RS10770	2454	817
2025	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2573228	2575927	+	WP_012916702.WP_012916702.1	glycoside hydrolase family 2 protei 57877529	XaFJ1_RS10775	2700	899
2026	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2575957	2578671	+	WP_012916703.WP_012916703.1	glycoside hydrolase family 3 C-ter 57877530	XaFJ1_RS10780	2715	904
2027	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2578721	2580169	+	WP_012916704.WP_012916704.1	glycoside hydrolase family 125 pro 57877531	XaFJ1_RS10785	1449	482
2028	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2580215	2582557	+	WP_012916705.WP_012916705.1	GH92 family glycosyl hydrolase 57877532	XaFJ1_RS10790	2343	780
2029	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2582615	2584459	+	WP_012916706.WP_012916706.1	beta-galactosidase 57877533	XaFJ1_RS10795	1845	614
2030	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2584855	2586150	+	WP_045756943.WP_045756943.1	EAL domain-containing protein 57877534	XaFJ1_RS10800	1296	431
2031	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2586160	2587536	-	WP_012916708.WP_012916708.1	alpha-L-fucosidase 57877535	XaFJ1_RS10805	1377	458
2032	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2586749	2588725	-	WP_012916709.WP_012916709.1	exo-alpha-sialidase 57877536	XaFJ1_RS10810	1077	358
2033	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2588782	2589822	-	WP_155393133.WP_155393133.1	hypothetical protein 57877537	XaFJ1_RS10815	141	46
2034	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2589155	2589895	-	WP_012916710.WP_012916710.1	copper homeostasis protein CuiC 57877538	XaFJ1_RS10820	741	246
2035	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2589892	2590947	-	WP_012916711.WP_012916711.1	N(4)-(beta-N-acetylglucosaminy)-l 57877539	XaFJ1_RS10825	1056	351
2036	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2591425	2594016	+	WP_012916712.WP_012916712.1	DNA mismatch re mutS 57875540	XaFJ1_RS10830	2592	863
2037	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2594478	2595443	+	WP_012916713.WP_012916713.1	GTP-binding protein 57877541	XaFJ1_RS10835	966	321
2038	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2595440	2596477	+	WP_012916714.WP_012916714.1	hypothetical protein 57877542	XaFJ1_RS10840	1038	345
2039	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2596627	2598783	+	WP_012916715.WP_012916715.1	TonB-dependent receptor 57877543	XaFJ1_RS10845	2157	718
2040	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2598651	2600239	+	WP_045757357.WP_045757357.1	hypothetical protein 57877544	XaFJ1_RS10850	1389	462
2041	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2600254	2600703	-	WP_012916717.WP_012916717.1	DUF4440 domain-containing prote 57877545	XaFJ1_RS10855	450	149
2042	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2600840	2601319	-	WP_012916718.WP_012916718.1	chemotaxis protein CheW 57877546	XaFJ1_RS10860	480	159
2043	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2601363	2602808	-	WP_012916719.WP_012916719.1	chemotaxis-related protein 57877547	XaFJ1_RS10865	1446	481
2044	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2602795	2608857	-	WP_012916720.WP_012916720.1	Hpt domain-containing protein 57877548	XaFJ1_RS10870	6063	2020
2045	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2608969	2611005	-	WP_012916721.WP_012916721.1	methyl-accepting chemotaxis prote 57877549	XaFJ1_RS10875	2037	678
2046	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2611046	2611576	-	WP_012916722.WP_012916722.1	chemotaxis protein CheW 57877550	XaFJ1_RS10880	531	176
2047	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2611578	2611940	-	WP_012916723.WP_012916723.1	response regulator 57877551	XaFJ1_RS10885	363	120
2048	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2611957	2621258	-	WP_045728072.WP_045728072.1	twitching motility pilG 57877552	XaFJ1_RS10890	402	133
2049	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2612601	2613551	+	WP_012916725.WP_012916725.1	glutathione synth gshB 57877553	XaFJ1_RS10895	951	316
2050	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2613548	2614429	+	WP_012916726.WP_012916726.1	energy transducer TonB 57877554	XaFJ1_RS10900	882	293
2051	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2614752	2617742	+	WP_012916727.WP_012916727.1	TonB-dependent receptor 57877555	XaFJ1_RS10905	2991	996
2052	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2617791	2618495	-	WP_012916728.WP_012916728.1	tRNA (adenosine tsaB) 57877556	XaFJ1_RS10910	705	234
2053	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2621031	2621561	-	WP_045756946.WP_045756946.1	hypothetical protein 57877558	XaFJ1_RS10920	531	176
2054	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2621569	2624013	-	WP_012916731.WP_012916731.1	penicillin-binding mrcB 57877559	XaFJ1_RS10925	2445	814
2055	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2624107	2626203	+	WP_012916732.WP_012916732.1	glycosyltransferase 57877560	XaFJ1_RS10930	2097	698
2056	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2626228	2627742	-	WP_012916733.WP_012916733.1	hypothetical protein 57877561	XaFJ1_RS10935	1515	504
2057	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2627868	2630024	-	WP_045756947.WP_045756947.1	bifunctional (p)ppGpp synthetase 57877562	XaFJ1_RS10940	2157	718
2058	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2630687	2631199	+	WP_012916735.WP_012916735.1	hypothetical protein 57877564	XaFJ1_RS10950	513	170
2059	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2631235	2632989	+	WP_187388448.WP_187388448.1	chloride channel protein 57877565	XaFJ1_RS10955	1755	584
2060	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2633011	2637138	-	WP_012916737.WP_012916737.1	ATP-dependent F hrpA 57877566	XaFJ1_RS10960	4128	1375
2061	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2637232	2637798	+	WP_012916738.WP_012916738.1	DNA starvation/stationary phase pi 57877567	XaFJ1_RS10965	567	188
2062	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2637912	2639720	+	WP_012916739.WP_012916739.1	DNA helicase Re recQ 57877568	XaFJ1_RS10970	1809	602
2063	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2639903	2640406	+	WP_012916740.WP_012916740.1	hypothetical protein 57877569	XaFJ1_RS10975	504	167
2064	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2640634	2640825	-	WP_146084065.WP_146084065.1	hypothetical protein 57877570	XaFJ1_RS10980	192	63
2065	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2641128	2642948	-	WP_012916741.WP_012916741.1	autotransporter domain-containing 57877572	XaFJ1_RS10990	1821	606
2066	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2643116	2643175	+	WP_012916742.WP_012916742.1	sulfur carrier prot thiS 57877573	XaFJ1_RS10995	201	66
2067	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2643381	2644175	+	WP_012916743.WP_012916743.1	thiazole synthase 57877574	XaFJ1_RS11000	795	264
2068	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2644186	2644944	+	WP_012916744.WP_012916744.1	tRNA (guanosine trmB) 57877575	XaFJ1_RS11005	759	252
2069	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2645047	2646915	+	WP_012916745.WP_012916745.1	SLC13 family permease 57877576	XaFJ1_RS11010	1869	622
2070	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2646912	2647250	-	WP_012916746.WP_012916746.1	Rieske (2Fe-2S) protein 57877577	XaFJ1_RS11015	339	112
2071	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2647452	2647724	+	WP_012916747.WP_012916747.1	hypothetical protein 57877578	XaFJ1_RS11020	273	90
2072	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2647838	2648545	+	WP_012916748.WP_012916748.1	fumarylacetoacetate hydrolase fan 57877579	XaFJ1_RS11025	708	235
2073	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2648855	2649074	+	WP_012916749.WP_012916749.1	large-conductanc mscL 57877580	XaFJ1_RS11030	420	139
2074	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2649255	2650319	+	WP_045756949.WP_045756949.1	Lacl family transcriptional regulato 57877581	XaFJ1_RS11035	1065	354
2075	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2653789	2654061	+	WP_045756951.WP_045756951.1	type I toxin-antitoxin system SymE 57877585	XaFJ1_RS11055	273	90
2076	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2654541	2657702	-	WP_012916757.WP_012916757.1	hemagglutinin repeat-containing pi 57877586	XaFJ1_RS11060	3162	1053
2077	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2658061	2658312	+	WP_045756952.WP_045756952.1	type I toxin-antitoxin system SymE 57877587	XaFJ1_RS11065	252	83
2078	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2658369	2658881	-	WP_012916759.WP_012916759.1	immunity 63 family protein 57877588	XaFJ1_RS11070	513	170
2079	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2658881	2662891	-	WP_012916760.WP_012916760.1	hemagglutinin repeat-containing pi 57877589	XaFJ1_RS11075	4011	1336
2080	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2663058	2664113	-	WP_012916762.WP_012916762.1	cytochrome P450 57877590	XaFJ1_RS11080	1056	351
2081	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2664976	2665356	-	WP_012916764.WP_012916764.1	S-layer family protein 57877592	XaFJ1_RS11090	381	126
2082	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2665715	2666593	+	WP_045756954.WP_045756954.1	type I toxin-antitoxin system SymE 57877593	XaFJ1_RS11095	249	82
2083	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2666031	2666432	-	WP_012916766.WP_012916766.1	hypothetical protein 57877594	XaFJ1_RS11100	402	133
2084	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2672624	2672896	+	WP_045756955.WP_045756955.1	type I toxin-antitoxin system SymE 57877596	XaFJ1_RS11110	273	90
2085	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2674797	2676587	-	WP_161525183.WP_161525183.1	hemagglutinin repeat-containing pi 57877598	XaFJ1_RS11120	1791	596
2086	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	2676949	2677200	+	WP_045757077.WP_045757077.1	type I toxin-antitoxin system SymE 5			

2088	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2677781	2689213	-	WP_161525185.WP_161525185.1	hemagglutinin repeat-containing pr	57877601	XaFJ1_RS11135	11433	3810
2089	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2689235	2690977	-	WP_045756956.WP_045756956.1	ShiB/FhaC/HecB family hemolysin	57877602	XaFJ1_RS11140	1743	580
2090	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2691475	2692308	-	WP_012916771.WP_012916771.1	rRNA methyltransferase	57877603	XaFJ1_RS11145	834	277
2091	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2693242	2693985	+	WP_012916772.WP_012916772.1	polysaccharide deacetylase family	57877604	XaFJ1_RS11150	744	247
2092	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2693982	2695109	+	WP_012916773.WP_012916773.1	glycosyltransferase family 4 protein	57877605	XaFJ1_RS11155	1128	375
2093	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2695717	2696703	+	WP_187388449.WP_187388449.1	hypothetical protein	57877606	XaFJ1_RS11160	987	328
2094	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2696906	2698816	-	WP_045757365.WP_045757365.1	sulfate adenyltyl: cysN	57877607	XaFJ1_RS11165	1911	636
2095	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2698822	2699730	-	WP_012916776.WP_012916776.1	sulfate adenyltyl: cysD	57877608	XaFJ1_RS11170	909	302
2096	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2700311	2700826	-	WP_012916778.WP_012916778.1	hypothetical protein	57877609	XaFJ1_RS11175	516	171
2097	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2700046	2701506	+	WP_012916779.WP_012916779.1	O-acetyl-ADP-ribose deacetylase	57877610	XaFJ1_RS11180	561	186
2098	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2701619	2702623	-	WP_012916780.WP_012916780.1	fructose-bisphosphate aldolase cla	57877611	XaFJ1_RS11185	1005	334
2099	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2702874	2703182	-	WP_155393138.WP_155393138.1	hypothetical protein	57877612	XaFJ1_RS11190	309	102
2100	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2703253	2703894	-	WP_045756958.WP_045756958.1	hypothetical protein	57877613	XaFJ1_RS11195	642	213
2101	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2704576	2706042	-	WP_012916782.WP_012916782.1	pyruvate kinase pyk	57877614	XaFJ1_RS11200	1467	488
2102	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2706257	2706907	-	WP_012916783.WP_012916783.1	HAD hydrolase-like protein	57877615	XaFJ1_RS11205	651	216
2103	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2706904	2708079	-	WP_012916784.WP_012916784.1	phosphoglycerate kinase	57877616	XaFJ1_RS11210	1176	391
2104	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2708438	2709439	-	WP_012916785.WP_012916785.1	type I glyceraldol gap	57877617	XaFJ1_RS11215	1002	333
2105	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2709668	2710480	+	WP_045757366.WP_045757366.1	S1P1 nuclease	57877618	XaFJ1_RS11220	813	270
2106	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2710713	2711081	+	WP_012916787.WP_012916787.1	rodanese-like domain-containing	57877619	XaFJ1_RS11225	369	122
2107	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2711086	2711436	+	WP_045756959.WP_045756959.1	metallorepressor ArsR/SmtB family	57877620	XaFJ1_RS11230	351	116
2108	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2711433	2712263	+	WP_012916789.WP_012916789.1	MBL fold metallo-hydrolase	57877621	XaFJ1_RS11235	831	276
2109	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2712398	2713171	+	WP_012916790.WP_012916790.1	molybdate ABC t modA	57877622	XaFJ1_RS11240	774	257
2110	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2713180	2713875	+	WP_012916791.WP_012916791.1	molybdate ABC t modB	57877623	XaFJ1_RS11245	696	231
2111	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2713904	2714521	+	WP_012916792.WP_012916792.1	ATP-binding cassette domain-cont	57877624	XaFJ1_RS11250	618	205
2112	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2714672	2715136	+	WP_012916793.WP_012916793.1	hypothetical protein	57877625	XaFJ1_RS11255	465	154
2113	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2715356	2715958	-	WP_012916794.WP_012916794.1	hypothetical protein	57877626	XaFJ1_RS11260	603	200
2114	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2715955	2717427	-	WP_012916795.WP_012916795.1	TonB family protein	57877627	XaFJ1_RS11265	1473	490
2115	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2717417	2717785	-	WP_012916796.WP_012916796.1	Blal/MecI/CopY family transcrip	57877628	XaFJ1_RS11270	369	122
2116	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2717895	2719841	+	WP_012916797.WP_012916797.1	acetyl-CoA hydrolase	57877629	XaFJ1_RS11275	1947	648
2117	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2720080	2721258	+	WP_012916798.WP_012916798.1	phosphatidylinositol-specific phosph	57877630	XaFJ1_RS11280	1179	392
2118	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2721402	2724125	+	WP_012916799.WP_012916799.1	TonB-dependent receptor	57877631	XaFJ1_RS11285	2724	907
2119	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2724407	2726224	-	WP_012916800.WP_012916800.1	FAD-binding oxidoreductase	57877632	XaFJ1_RS11290	1818	605
2120	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2726666	2728644	-	WP_203417797.WP_203417797.1	hypothetical protein	62675604	XaFJ1_RS11592	2719	92
2121	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2727001	2727813	-	WP_012916801.WP_012916801.1	IS3 family transposase	57877634	XaFJ1_RS11300	813	270
2122	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2727858	2728151	-	WP_012916802.WP_012916802.1	transposase	57877635	XaFJ1_RS11305	294	97
2123	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2728464	2730416	-	WP_012916804.WP_012916804.1	DUF3732 domain-containing prote	57877637	XaFJ1_RS11315	1953	650
2124	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2730413	2730901	-	WP_045756962.WP_045756962.1	hypothetical protein	57877638	XaFJ1_RS11320	489	162
2125	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2730898	2732121	-	WP_012916806.WP_012916806.1	hypothetical protein	57877639	XaFJ1_RS11325	1224	407
2126	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2732368	2732736	-	WP_012916807.WP_012916807.1	hypothetical protein	57877640	XaFJ1_RS11330	369	122
2127	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2732741	2734435	-	WP_012916808.WP_012916808.1	type IV secretory system conjugati	57877641	XaFJ1_RS11335	1695	564
2128	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2734539	2736884	-	WP_012916809.WP_012916809.1	hypothetical protein	57877642	XaFJ1_RS11340	2346	781
2129	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2736881	2737744	-	WP_012916810.WP_012916810.1	hypothetical protein	62675605	XaFJ1_RS11593	864	287
2130	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2738316	2739047	+	WP_012916811.WP_012916811.1	DUF3348 domain-containing prote	57877644	XaFJ1_RS11350	732	243
2131	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2739058	2741154	+	WP_012916812.WP_012916812.1	DUF802 domain-containing protei	57877645	XaFJ1_RS11355	2097	698
2132	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2741151	2741801	-	WP_012916813.WP_012916813.1	OmpA family protein	57877646	XaFJ1_RS11360	651	216
2133	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2741791	2742489	+	WP_012916814.WP_012916814.1	DUF2894 domain-containing prote	57877647	XaFJ1_RS11365	699	232
2134	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2742736	2744736	-	WP_012916815.WP_012916815.1	transketolase tkt	57877648	XaFJ1_RS11370	2001	666
2135	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2747089	2749605	+	WP_080931597.WP_080931597.1	RHS repeat protein	57877649	XaFJ1_RS11375	2517	838
2136	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2749675	2749992	-	WP_045756965.WP_045756965.1	hypothetical protein	57877650	XaFJ1_RS11380	318	105
2137	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2750167	2751165	+	WP_012916817.WP_012916817.1	RHS repeat-associated core doma	57877651	XaFJ1_RS11385	999	332
2138	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2751442	2751609	-	WP_012916818.WP_012916818.1	hypothetical protein	57877652	XaFJ1_RS11390	168	55
2139	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2752214	2753968	-	WP_012916821.WP_012916821.1	BatD family protein	57877653	XaFJ1_RS11395	1755	584
2140	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2753965	2755788	-	WP_012916822.WP_012916822.1	VWA domain-containing protein	57877654	XaFJ1_RS11400	1824	607
2141	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2755785	2756804	-	WP_187388450.WP_187388450.1	VWA domain-containing protein	57877655	XaFJ1_RS11405	1020	339
2142	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2756816	2757271	-	WP_012916824.WP_012916824.1	DUF4381 domain-containing prote	57877656	XaFJ1_RS11410	456	151
2143	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2757268	2758182	-	WP_045757370.WP_045757370.1	DUF58 domain-containing protein	57877657	XaFJ1_RS11415	915	304
2144	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2758278	2759297	-	WP_012916826.WP_012916826.1	MoxR family ATPase	57877658	XaFJ1_RS11420	1020	339
2145	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2759439	2761334	-	WP_045756968.WP_045756968.1	type IV pilus secretin PilQ family p	57877659	XaFJ1_RS11425	1896	631
2146	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2761355	2761894	-	WP_012916828.WP_012916828.1	pilus assembly protein PilP	57877660	XaFJ1_RS11430	540	179
2147	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2761891	2762562	-	WP_012916829.WP_012916829.1	type 4a pilus biogenesis protein Pil	57877661	XaFJ1_RS11435	672	223
2148	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2762559	2763317	-	WP_012916830.WP_012916830.1	PilN domain-containing protein	57877662	XaFJ1_RS11440	759	252
2149	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2763317	2764399	-	WP_187388411.WP_187388411.1	pilus assembly protein PilM	57877663	XaFJ1_RS11445	1083	360
2150	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2764593	2767028	+	WP_012916832.WP_012916832.1	penicillin-binding protein 1A	57877664	XaFJ1_RS11450	2436	811
2151	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2767210	2767857	+	WP_012916833.WP_012916833.1	hypothetical protein	57877665	XaFJ1_RS11455	648	215
2152	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2768036	2769325	-	WP_012916834.WP_012916834.1	citrate synthase	57877666	XaFJ1_RS11460	1290	429
2153	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2769615	2769857	-	WP_012916835.WP_012916835.1	type B 50S ribosomal protein L31	57877667	XaFJ1_RS11465	243	80
2154	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2773595	2774242	+	WP_012916842.WP_012916842.1	IS5/IS1182 family transposase	57877670	XaFJ1_RS11480	648	215
2155	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2774182	2774631	+	WP					

2160	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2779198	2779797	+	WP_012916848, WP_012916848.1	LysE family translocator	57877676	XaFJ1_RS11510 600	199	
2161	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2779665	2780788	+	WP_012916849, WP_012916849.1	homoserine O-succinyltransferase	57877677	XaFJ1_RS11515 924	307	
2162	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2780867	2782219	+	WP_012916850, WP_012916850.1	glutamine synthetase family protei	57877678	XaFJ1_RS11520 1353	450	
2163	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2782304	2783335	+	WP_155393589, WP_155393589.1	IS3 family transposase	57877679	XaFJ1_RS11525 1233	410	ribosomal_slippage
2164	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2783706	2783879	-	WP_012916851, WP_012916851.1	hypothetical protein	57877680	XaFJ1_RS11530 174	57	
2165	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2783876	2784394	-	WP_012916852, WP_012916852.1	hypothetical protein	57877681	XaFJ1_RS11535 519	172	
2166	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2784895	2785338	-	WP_012916854, WP_012916854.1	RHS repeat protein	57877683	XaFJ1_RS11545 4644	1547	
2167	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2789806	2791500	-	WP_012916808, WP_012916808.1	type IV secretory system conjugati	57877684	XaFJ1_RS11550 1695	564	
2168	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2791604	2794417	-	WP_012916855, WP_012916855.1	hypothetical protein	57877685	XaFJ1_RS11555 2814	937	
2169	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2794414	2795268	-	WP_012916856, WP_012916856.1	hypothetical protein	62675606	XaFJ1_RS15935 855	284	
2170	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2795324	2795542	-	WP_155393717, WP_155393717.1	hypothetical protein	57877687	XaFJ1_RS11565 219	72	
2171	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2795539	2796129	-	WP_012916857, WP_012916857.1	hypothetical protein	57877688	XaFJ1_RS11570 591	196	
2172	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2796126	2796500	-	WP_203417798, WP_203417798.1	site-specific recombinase resolvase	57877689	XaFJ1_RS11575 375	124	
2173	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2796497	2797885	-	WP_012916859, WP_012916859.1	recombinase family protein	57877690	XaFJ1_RS11580 1389	460	
2174	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2797882	2798334	-	WP_012916860, WP_012916860.1	DUF2924 domain-containing prote	57877691	XaFJ1_RS11585 453	150	
2175	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2798331	2798522	-	WP_012916861, WP_012916861.1	hypothetical protein	57877692	XaFJ1_RS11590 192	63	
2176	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2798616	2798861	-	WP_045756974, WP_045756974.1	hypothetical protein	57877693	XaFJ1_RS11595 246	81	
2177	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2798925	2799188	+	WP_012916862, WP_012916862.1	hypothetical protein	57877694	XaFJ1_RS11600 264	87	
2178	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2799302	2799577	+	WP_012916863, WP_012916863.1	hypothetical protein	57877695	XaFJ1_RS11605 276	91	
2179	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2799580	2799831	+	WP_045756975, WP_045756975.1	hypothetical protein	57877696	XaFJ1_RS11610 252	83	
2180	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2799828	2802209	+	WP_012916865, WP_012916865.1	hypothetical protein	57877697	XaFJ1_RS11615 2285	154	
2181	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2802237	2802701	+	WP_012916866, WP_012916866.1	hypothetical protein	57877698	XaFJ1_RS11620 465	754	
2182	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2802706	2802909	+	WP_012917098, WP_012917098.1	hypothetical protein	57877699	XaFJ1_RS11625 204	67	
2183	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2802887	2803330	+	WP_197538485, WP_197538485.1	DUF6362 family protein	57877700	XaFJ1_RS11630 444	147	
2184	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2803541	2804797	+	WP_045756976, WP_045756976.1	site-specific DNA-methyltransferase	57877701	XaFJ1_RS11635 1257	418	
2185	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2804912	2805175	-	WP_012916870, WP_012916870.1	hypothetical protein	57877702	XaFJ1_RS11640 264	87	
2186	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2805334	2805804	-	WP_012916871, WP_012916871.1	DUF3489 domain-containing prote	57877703	XaFJ1_RS11645 471	156	
2187	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2806134	2806277	+	WP_197538481, WP_197538481.1	HNH endonuclease	62675607	XaFJ1_RS15940 144	47	
2188	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2806530	2806736	+	WP_012916873, WP_012916873.1	hypothetical protein	62675608	XaFJ1_RS15945 207	68	
2189	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2806723	2807187	+	WP_012916874, WP_012916874.1	phage terminase small subunit P2;	57877705	XaFJ1_RS11655 465	154	
2190	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2807276	2807400	+	WP_012916875, WP_012916875.1	hypothetical protein	57877706	XaFJ1_RS11660 195	64	
2191	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2807884	2808297	-	WP_045756978, WP_045756978.1	hemagglutinin repeat-containing pr	57877707	XaFJ1_RS11665 414	137	
2192	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2808512	2809772	-	WP_155394443, WP_155394443.1	hypothetical protein	57877708	XaFJ1_RS11670 261	86	
2193	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2808769	2809041	-	WP_045756980, WP_045756980.1	hypothetical protein	57877709	XaFJ1_RS11675 273	90	
2194	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2810389	2810916	-	WP_161525187, WP_161525187.1	hypothetical protein	57877711	XaFJ1_RS11685 528	175	
2195	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2810907	2811374	-	WP_155395659, WP_155395659.1	hypothetical protein	62675610	XaFJ1_RS15955 468	155	
2196	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2811469	2811984	-	WP_012916883, WP_012916883.1	hypothetical protein	57877713	XaFJ1_RS11695 516	171	
2197	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2812000	2817438	-	WP_012916884, WP_012916884.1	DUF6531 domain-containing prote	57877714	XaFJ1_RS11700 5439	1812	
2198	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2817425	2825647	-	WP_012916885, WP_012916885.1	IPT/TIG domain-containing protein	57877715	XaFJ1_RS11705 8223	2740	
2199	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2825839	2826909	+	WP_012916886, WP_012916886.1	methylamine utilization protein	57877716	XaFJ1_RS11710 1071	356	
2200	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2826888	2827370	-	WP_012916887, WP_012916887.1	hypothetical protein	57877717	XaFJ1_RS11715 483	160	
2201	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2827621	2827905	+	WP_045756983, WP_045756983.1	hypothetical protein	57877718	XaFJ1_RS11720 285	94	
2202	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2828680	2830194	+	WP_012916891, WP_012916891.1	MASE1 domain-containing protein	57877719	XaFJ1_RS11725 1515	504	
2203	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2830178	2830615	-	WP_012916892, WP_012916892.1	hypothetical protein	57877720	XaFJ1_RS11730 438	145	
2204	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2831366	2832031	-	WP_012916893, WP_012916893.1	7-cyano-7-deaza queC	57877722	XaFJ1_RS11740 666	221	
2205	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2832138	2832815	-	WP_012916894, WP_012916894.1	7-carboxy-7-deaz queE	57877723	XaFJ1_RS11745 678	225	
2206	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2832865	2833680	-	WP_045756984, WP_045756984.1	tol-pal system pri ybgF	57877724	XaFJ1_RS11750 816	271	
2207	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2833684	2834202	-	WP_012916896, WP_012916896.1	peptidoglycan-as pal	57877725	XaFJ1_RS11755 519	172	
2208	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2834271	2835590	-	WP_012916897, WP_012916897.1	Tol-Pal system tr tolB	57877726	XaFJ1_RS11760 1320	439	
2209	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2835770	2836771	-	WP_012916898, WP_012916898.1	cell envelope inte tolA	57877727	XaFJ1_RS11765 1002	333	
2210	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2836761	2837198	-	WP_012916899, WP_012916899.1	protein TolR tolR	57877728	XaFJ1_RS11770 438	145	
2211	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2837236	2838012	-	WP_012916900, WP_012916900.1	protein TolQ tolQ	57877729	XaFJ1_RS11775 777	258	
2212	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2839009	2838482	-	WP_012916901, WP_012916901.1	tol-pal system-as ybgC	57877730	XaFJ1_RS11780 474	157	
2213	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2838544	2839578	-	WP_045756985, WP_045756985.1	Holliday junction ruvB	57877731	XaFJ1_RS11785 1035	344	
2214	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2839739	2841583	-	WP_187388451, WP_187388451.1	potassium transporter Kup	57877732	XaFJ1_RS11790 1845	614	
2215	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2841713	2842297	-	WP_012916904, WP_012916904.1	Holliday junction ruvA	57877733	XaFJ1_RS11795 585	194	
2216	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2842461	2842973	-	WP_045757374, WP_045757374.1	crossover junctio ruvC	57877734	XaFJ1_RS11800 513	170	
2217	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2843141	2843875	-	WP_012916906, WP_012916906.1	YebC/PmpR family DNA-binding tr	57877735	XaFJ1_RS11805 735	244	
2218	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2843955	2844575	-	WP_012916907, WP_012916907.1	alpha/beta fold hydrolase	57877736	XaFJ1_RS11810 621	206	
2219	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2844733	2845251	-	WP_012916908, WP_012916908.1	GNAT family N-acetyltransferase	57877737	XaFJ1_RS11815 519	172	
2220	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2845255	2845557	-	WP_045756986, WP_045756986.1	hypothetical protein	57877738	XaFJ1_RS11820 303	100	
2221	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2845599	2847350	-	WP_012916909, WP_012916909.1	aspartate--rRNA aspS	57877739	XaFJ1_RS11825 1752	583	
2222	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2847537	2847866	-	WP_012916910, WP_012916910.1	zinc ribbon domain-containing prot	57877740	XaFJ1_RS11830 320	109	
2223	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2847957	2848228	-	WP_012916911, WP_012916911.1	cation:proton antiporter	57877741	XaFJ1_RS11835 1272	423	
2224	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2849653	2851800	+	WP_012916912, WP_012916912.1	phospholipase C, phosphocholine-	57877742	XaFJ1_RS11840 2148	715	
2225	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2851922	2852812	-	WP_012916913, WP_012916913.1	class A beta-lact bla	57877743	XaFJ1_RS11845 891	296	
2226	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2852911	2853789	+	WP_012916914, WP_012916914.1	LysR family transcriptional regulati	57877744	XaFJ1_RS11850 879	292	
2227	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2853947	2855806	-	WP_012916915, WP_012916915.1	ATP-binding cassette domain-cont	57877745	XaFJ1_RS11855 1860	619	
2228	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2856065	2856461	+	WP_012916916, WP_012916916.1	TonB-dependent receptor	57877746	XaFJ1_RS11860 2397	798	
2229	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2858614	2859270	-	WP_012916917, WP_012916917.1	rhomoid family intramembrane se	57877747	XaFJ1_RS11865 657	218	
2230	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 2859311	2859667	-	WP_045756987, WP_045756987.1	MGMT family protein	57877748	XaFJ1_RS11870 357	118	
2231	CDS	with_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1 285								

2232	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2861132	2861617	-	WP_012916920.WP_012916920.1	peptidylprolyl isomerase	57877750	XaFJ1_RS11880	486	161
2233	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2861727	2862269	+	WP_012916921.WP_012916921.1	C40 family peptidase	57877751	XaFJ1_RS11885	543	180
2234	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2862386	2862337	+	WP_012916922.WP_012916922.1	C40 family peptidase	57877752	XaFJ1_RS11890	852	283
2235	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2863572	2864051	-	WP_012916923.WP_012916923.1	acyl-CoA thioesterase	57877754	XaFJ1_RS11900	480	159
2236	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2864165	2864995	-	WP_012916924.WP_012916924.1	class I SAM-dependent methyltran	57877755	XaFJ1_RS11905	831	276
2237	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2864992	2866335	-	WP_012916925.WP_012916925.1	dicarboxylate/amino acid:cation sy	57877756	XaFJ1_RS11910	1344	447
2238	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2866542	2867867	+	WP_045757376.WP_045757376.1	tRNA lysidine(34) iIIS	57877757	XaFJ1_RS11915	1326	441
2239	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2867899	2868165	+	WP_012916927.WP_012916927.1	exodeoxyribonuclease VII small su	57877758	XaFJ1_RS11920	267	88
2240	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2868155	2869036	+	WP_012916928.WP_012916928.1	polyprenyl synthetase family protei	57877759	XaFJ1_RS11925	882	293
2241	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2869231	2869608	-	WP_012916929.WP_012916929.1	DUF4870 domain-containing prote	57877760	XaFJ1_RS11930	378	125
2242	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2869715	2871082	-	WP_012916930.WP_012916930.1	metalloprotease jmbA	57877761	XaFJ1_RS11935	1368	455
2243	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2871180	2871767	+	WP_012916931.WP_012916931.1	ribosome-associated protein	57877762	XaFJ1_RS11940	588	195
2244	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2871932	2873374	-	WP_012916932.WP_012916932.1	metalloprotease tidD	57877763	XaFJ1_RS11945	1443	480
2245	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2873430	2877302	-	WP_012916933.WP_012916933.1	TIGR02099 family protein	57877764	XaFJ1_RS11950	3873	1290
2246	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2877433	2878923	-	WP_012916934.WP_012916934.1	ribonuclease G rmg	57877765	XaFJ1_RS11955	1491	496
2247	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2878923	2879489	-	WP_012916935.WP_012916935.1	Maf family nucleic maf	57877766	XaFJ1_RS11960	567	188
2248	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2879622	2880305	+	WP_012916936.WP_012916936.1	SIMPL domain-containing protein	57877767	XaFJ1_RS11965	735	244
2249	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2880938	2883994	-	WP_012916939.WP_012916939.1	efflux RND transporter permease s	57877769	XaFJ1_RS11975	3057	1018
2250	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2884019	2885125	-	WP_045756988.WP_045756988.1	efflux RND transporter periplasmic	57877770	XaFJ1_RS11980	1107	368
2251	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2885122	2886402	-	WP_161525189.WP_161525189.1	MFS transporter	57877771	XaFJ1_RS11985	1281	426
2252	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2886462	2887892	-	WP_161525191.WP_161525191.1	efflux transporter outer membrane	57877772	XaFJ1_RS11990	1431	476
2253	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2888002	2889273	-	WP_012916943.WP_012916943.1	ATP-grasp domain-containing prot	57877773	XaFJ1_RS11995	1272	423
2254	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2889266	2891005	-	WP_012916944.WP_012916944.1	nicotinamide synthase	57877774	XaFJ1_RS12000	840	279
2255	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2890337	2891218	-	WP_012916945.WP_012916945.1	hypothetical protein	57877775	XaFJ1_RS12005	882	293
2256	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2891815	2892210	-	WP_080931567.WP_080931567.1	transposase	57877776	XaFJ1_RS12010	396	131
2257	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2892533	2892706	+	WP_155392956.WP_155392956.1	hypothetical protein	57878537	XaFJ1_RS15815	174	57
2258	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2892891	2895929	-	WP_012916947.WP_012916947.1	TonB-dependent receptor	57877777	XaFJ1_RS12015	3039	1012
2259	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2896434	2896904	-	WP_012916948.WP_012916948.1	23S rRNA (psecu rimH	57877778	XaFJ1_RS12020	471	156
2260	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2896927	2898081	-	WP_012916949.WP_012916949.1	hypothetical protein	57877779	XaFJ1_RS12025	1155	384
2261	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2898078	2898491	-	WP_012916950.WP_012916950.1	ribosome silencer rsfS	57877780	XaFJ1_RS12030	414	137
2262	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2898547	2899356	-	WP_080931568.WP_080931568.1	nicotinate-nucleo nadD	57877781	XaFJ1_RS12035	810	269
2263	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2899353	2900387	-	WP_012916952.WP_012916952.1	DNA polymerase III subunit delta	57877782	XaFJ1_RS12040	1035	344
2264	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2900492	2901076	-	WP_045756992.WP_045756992.1	lipoprotein	57877783	XaFJ1_RS12045	585	194
2265	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2901217	2903859	-	WP_012916954.WP_012916954.1	leucine-tRNA ligase	57877784	XaFJ1_RS12050	2643	890
2266	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2904005	2904628	-	WP_012916955.WP_012916955.1	DUF998 domain-containing protei	57877785	XaFJ1_RS12055	624	207
2267	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2904780	2905646	+	WP_012916956.WP_012916956.1	thioredoxin trxA	57877786	XaFJ1_RS12060	867	288
2268	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2905913	2906590	+	WP_012916957.WP_012916957.1	DUF502 domain-containing protei	57877787	XaFJ1_RS12065	678	225
2269	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2906592	2907365	+	WP_012916958.WP_012916958.1	queuosine precursor transporter	57877788	XaFJ1_RS12070	774	257
2270	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2907451	2909337	+	WP_012916959.WP_012916959.1	DUF885 family protein	57877789	XaFJ1_RS12075	1887	628
2271	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2909377	2910321	-	WP_045757381.WP_045757381.1	homocysteine S- mmmU	57877790	XaFJ1_RS12080	945	314
2272	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2910530	2910982	+	WP_012916961.WP_012916961.1	DUF2147 domain-containing prote	57877791	XaFJ1_RS12085	453	150
2273	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2911209	2913269	+	WP_012916962.WP_012916962.1	methionine-tRNA metG	57877792	XaFJ1_RS12090	2061	686
2274	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2913348	2913950	+	WP_012916963.WP_012916963.1	HAD-IB family hydrolase	57877793	XaFJ1_RS12095	603	200
2275	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2914175	2914585	+	WP_012916964.WP_012916964.1	Rnf electron tran: rnfB	57877794	XaFJ1_RS12100	411	136
2276	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2914665	2915462	+	WP_012916965.WP_012916965.1	hypothetical protein	57877795	XaFJ1_RS12105	798	265
2277	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2915551	2915922	+	WP_012916966.WP_012916966.1	hypothetical protein	57877796	XaFJ1_RS12110	372	123
2278	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2915981	2916538	+	WP_012916967.WP_012916967.1	sigma-70 family RNA polymerase	57877797	XaFJ1_RS12115	558	185
2279	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2916535	2917326	+	WP_012916968.WP_012916968.1	anti-sigma factor	57877798	XaFJ1_RS12120	792	263
2280	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2918680	2919930	+	WP_012916970.WP_012916970.1	FAD-dependent oxidoreductase	57877800	XaFJ1_RS12130	1251	416
2281	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2919927	2920790	+	WP_012916971.WP_012916971.1	DUF1365 domain-containing prote	57877801	XaFJ1_RS12135	864	287
2282	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2920823	2922115	+	WP_155393606.WP_155393606.1	cyclopropane-fatty-acyl-phospholip	57877802	XaFJ1_RS12140	1293	430
2283	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2922112	2922660	+	WP_012916973.WP_012916973.1	DUF2878 domain-containing prote	57877803	XaFJ1_RS12145	549	182
2284	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2922657	2923439	+	WP_012916974.WP_012916974.1	DUF1295 domain-containing prote	57877804	XaFJ1_RS12150	783	260
2285	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2923462	2924538	+	WP_012916975.WP_012916975.1	cyclopropane-fatty-acyl-phospholip	57877805	XaFJ1_RS12155	1077	358
2286	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2924786	2925130	-	WP_012916976.WP_012916976.1	RidA family protein	57877806	XaFJ1_RS12160	345	114
2287	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2926036	2928597	+	WP_012916977.WP_012916977.1	bifunctional lysylj mprF	57877807	XaFJ1_RS12165	2562	853
2288	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2928873	2930303	-	WP_012916978.WP_012916978.1	virulence factor family protein	57878008	XaFJ1_RS12170	1431	476
2289	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2930436	2930621	-	WP_012916979.WP_012916979.1	hypothetical protein	57877809	XaFJ1_RS12175	186	61
2290	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2931143	2932231	+	WP_012916981.WP_012916981.1	alkene reductase	57877810	XaFJ1_RS12180	1089	362
2291	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2932405	2933763	+	WP_012916982.WP_012916982.1	Hsp70 family protein	57877811	XaFJ1_RS12185	1359	452
2292	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2934122	2934454	+	WP_012916983.WP_012916983.1	YkgJ family cysteine cluster protei	57877812	XaFJ1_RS12190	333	110
2293	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2934471	2934671	+	WP_012916984.WP_012916984.1	hypothetical protein	57877813	XaFJ1_RS12195	201	66
2294	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2934744	2935538	+	WP_012916985.WP_012916985.1	EAL domain-containing protein	57877814	XaFJ1_RS12200	795	264
2295	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2935563	2936099	-	WP_012916986.WP_012916986.1	DUF2058 domain-containing prote	57877815	XaFJ1_RS12205	537	178
2296	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2936404	2937114	+	WP_012916987.WP_012916987.1	rRNA pseudouridine synthase	57877816	XaFJ1_RS12210	711	236
2297	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2938249	2939673	+	WP_012916990.WP_012916990.1	trypsin-like peptidase domain-cont	57877818	XaFJ1_RS12220	1425	474
2298	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2939808	2939957	+	WP_162836145.WP_162836145.1	hypothetical protein	62675611	XaFJ1_RS15960	150	49
2299	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2940185	2							

2304	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2946928	2947887	+	WP_012916996	WP_012916996.1	cysteine synthasi cysK	57877824	XaFJ1_RS12250960	319
2305	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2948468	2949568	+	WP_012916997	WP_012916997.1	Glut/Leu/Phe/Val dehydrogenase	57877826	XaFJ1_RS122601101	366
2306	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2949723	2952578	-	WP_161525193	WP_161525193.1	autotransporter serine protease	57877827	XaFJ1_RS122652856	951
2307	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2952787	2953962	+	WP_012916999	WP_012916999.1	thiolase family protein	57877828	XaFJ1_RS122701176	391
2308	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2954085	2954426	+	WP_012917000	WP_012917000.1	hypothetical protein	57877829	XaFJ1_RS12275342	113
2309	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2954799	2955152	+	WP_012917001	WP_012917001.1	hypothetical protein	57877830	XaFJ1_RS12280354	117
2310	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2955270	2956979	+	WP_012917002	WP_012917002.1	GGDEF domain-containing protein	57877831	XaFJ1_RS122851710	569
2311	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2957088	2957639	+	WP_012917003	WP_012917003.1	polymer-forming cytoskeletal prote	57877832	XaFJ1_RS12290552	183
2312	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2957636	2957998	+	WP_012917004	WP_012917004.1	hypothetical protein	57877833	XaFJ1_RS12295363	120
2313	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2958434	2959285	+	WP_155393563	WP_155393563.1	hypothetical protein	57877834	XaFJ1_RS12300192	63
2314	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2958785	2959690	+	WP_197538486	WP_197538486.1	hypothetical protein	57877835	XaFJ1_RS12305906	301
2315	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2960193	2960483	+	WP_045756994	WP_045756994.1	hypothetical protein	57877836	XaFJ1_RS12310291	96
2316	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2960551	2961303	-	WP_187388452	WP_187388452.1	S-methyl-5'-thioinosine phosphoryl	57877837	XaFJ1_RS12315753	250
2317	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2961369	2961923	-	WP_012917007	WP_012917007.1	hypoxanthine-guanine phosphorib	57877838	XaFJ1_RS12320555	184
2318	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2961923	2962930	-	WP_012917008	WP_012917008.1	beta-N-acetylhex nagZ	57877839	XaFJ1_RS123251008	335
2319	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2963020	2963697	-	WP_012917009	WP_012917009.1	DsbA family oxidoreductase	57877840	XaFJ1_RS12330678	225
2320	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2963793	2964287	-	WP_012917010	WP_012917010.1	CYTH domain-containing protein	57877841	XaFJ1_RS12335495	164
2321	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2964425	2965750	-	WP_045757387	WP_045757387.1	23S rRNA (uracil r1mD)	57877842	XaFJ1_RS123401326	441
2322	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2965905	2966600	+	WP_012917012	WP_012917012.1	hybrid serine histidine kinase/resp	57877843	XaFJ1_RS12345696	231
2323	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2966827	2967597	-	WP_012917013	WP_012917013.1	DNA repair prote recQ	57877844	XaFJ1_RS12350771	256
2324	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2967630	2968729	-	WP_012917014	WP_012917014.1	GTPase Era era	57877845	XaFJ1_RS12355900	299
2325	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2968726	2969404	-	WP_045757388	WP_045757388.1	ribonuclease III rnc	57877846	XaFJ1_RS12360681	226
2326	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2969396	2969773	-	WP_012917016	WP_012917016.1	DUF484 domain-containing prote	57877847	XaFJ1_RS12365378	125
2327	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2969794	2970594	-	WP_012917017	WP_012917017.1	signal peptidase lepB	57877848	XaFJ1_RS12370801	266
2328	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2970716	2972509	-	WP_012917018	WP_012917018.1	translation elongi lepA	57877849	XaFJ1_RS123751794	597
2329	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2972666	2974204	-	WP_012917019	WP_012917019.1	DegQ family serine endoprotease	57877850	XaFJ1_RS123801539	512
2330	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2974306	2975259	-	WP_012917020	WP_012917020.1	regulatory protein	57877851	XaFJ1_RS12385954	317
2331	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2975256	2975876	-	WP_012917021	WP_012917021.1	RNA polymerase rpoE	57877852	XaFJ1_RS12390621	206
2332	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2976114	2978177	+	WP_012917022	WP_012917022.1	enoyl-CoA hydratase/isomerase fa	57877853	XaFJ1_RS123952064	687
2333	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2978416	2979423	-	WP_161525195	WP_161525195.1	cation diffusion facilitator family tr	57877854	XaFJ1_RS124001008	335
2334	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2979547	2980545	-	WP_155393607	WP_155393607.1	putative sulfate exporter family trar	57877855	XaFJ1_RS12405999	332
2335	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2982063	2982341	+	WP_012917026	WP_012917026.1	hypothetical protein	57877857	XaFJ1_RS12415279	92
2336	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2982338	2982709	+	WP_012917027	WP_012917027.1	biotin/lipoyl-binding protein	57877858	XaFJ1_RS12420372	123
2337	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2982712	2982939	+	WP_045756996	WP_045756996.1	hypothetical protein	57877859	XaFJ1_RS12425228	75
2338	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2982999	2983400	+	WP_080931569	WP_080931569.1	hypothetical protein	57877860	XaFJ1_RS12430402	133
2339	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2983478	2983756	+	WP_012917028	WP_012917028.1	hypothetical protein	57877861	XaFJ1_RS12435279	92
2340	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2983753	2984997	+	WP_012917029	WP_012917029.1	HlyD family efflux transporter perip	57877862	XaFJ1_RS124401245	414
2341	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2985206	2985424	+	WP_012917030	WP_012917030.1	hypothetical protein	57877863	XaFJ1_RS12445219	72
2342	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2985943	2986410	+	WP_155393144	WP_155393144.1	hypothetical protein	57877864	XaFJ1_RS12450468	155
2343	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2986786	2987613	+	WP_080931599	WP_080931599.1	rhomboid family intramembrane se	57877865	XaFJ1_RS12455823	275
2344	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2987617	2988699	+	WP_080931570	WP_080931570.1	hypothetical protein	57877866	XaFJ1_RS124601083	360
2345	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2988696	2989367	+	WP_012917035	WP_012917035.1	hypothetical protein	57877867	XaFJ1_RS12465672	223
2346	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2990003	2992117	+	WP_012917037	WP_012917037.1	peptidase domain-containing ABC	57877868	XaFJ1_RS124702115	704
2347	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2992411	2993046	-	WP_012917038	WP_012917038.1	HAD family hydrolase	57877869	XaFJ1_RS12475636	211
2348	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2993052	2993771	-	WP_012917039	WP_012917039.1	hypothetical protein	57877870	XaFJ1_RS12480720	239
2349	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2993768	2994757	-	WP_012917040	WP_012917040.1	alpha/beta hydrolase	57877871	XaFJ1_RS12485990	329
2350	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2994791	2995141	-	WP_012917041	WP_012917041.1	cupin domain-containing protein	57877872	XaFJ1_RS12490351	116
2351	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2995372	2997300	-	WP_045757001	WP_045757001.1	M1 family metallopeptidase	57877873	XaFJ1_RS124951929	642
2352	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2997386	2998102	-	WP_012917043	WP_012917043.1	isopentenyl transferase	57877874	XaFJ1_RS12500717	238
2353	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2998099	2998686	-	WP_012917044	WP_012917044.1	hypothetical protein	57877875	XaFJ1_RS12505588	195
2354	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	2999101	2999682	-	WP_045757392	WP_045757392.1	bifunctional demt ubiE	57877876	XaFJ1_RS12510762	253
2355	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3000230	3001597	+	WP_012917046	WP_012917046.1	DUF2252 family protein	57877877	XaFJ1_RS125151368	455
2356	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3001755	3003098	-	WP_155393200	WP_155393200.1	ATP-dependent ftsHslV	57877878	XaFJ1_RS125201344	447
2357	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3003307	3003858	-	WP_012917048	WP_012917048.1	ATP-dependent ftsHslV	57877879	XaFJ1_RS12525552	183
2358	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3004199	3005089	-	WP_012917049	WP_012917049.1	tyrosine recombinxerC	57877880	XaFJ1_RS12530891	296
2359	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3005170	3005835	-	WP_012917050	WP_012917050.1	DUF484 family protein	57877881	XaFJ1_RS12535666	221
2360	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3005832	3006692	-	WP_012917051	WP_012917051.1	diaminopimelate epimerase	57877882	XaFJ1_RS12540861	286
2361	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3006879	3006918	-	WP_045757003	WP_045757003.1	lipoprotein	57877883	XaFJ1_RS12545240	79
2362	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3007124	3009205	-	WP_012917052	WP_012917052.1	oligopeptidase B	57877884	XaFJ1_RS125502082	693
2363	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3009402	3010613	+	WP_012917053	WP_012917053.1	pyridoxal phosphate-dependent an	57877885	XaFJ1_RS125551212	403
2364	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3010750	3012861	-	WP_012917054	WP_012917054.1	prolyl oligopeptidase family serine	57877886	XaFJ1_RS125602112	703
2365	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3012929	3013219	-	WP_012917055	WP_012917055.1	hypothetical protein	57877887	XaFJ1_RS12565291	96
2366	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3013345	3013932	+	WP_012917056	WP_012917056.1	lipocalin family protein	57877888	XaFJ1_RS12570588	195
2367	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3014091	3014453	+	WP_045757005	WP_045757005.1	helix-turn-helix transcriptional regu	57877889	XaFJ1_RS12575363	120
2368	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3014487	3015458	-	WP_012917058	WP_012917058.1	YafY family transcriptional regulato	57877890	XaFJ1_RS12580972	323
2369	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3015637	3016422	+	WP_012917059	WP_012917059.1	DUF481 domain-containing protei	57877891	XaFJ1_RS12585786	261
2370	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3016513	3017421	-	WP_012917060	WP_012917060.1	hydroxymethylbil hemC	57877892	XaFJ1_RS12590909	302
2371	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3017480	3018205	-	WP_012917061	WP_012917061.1	LytTR family DNA-binding domain:	57877893	XaFJ1_RS12595726	241</

2376	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3023535	3025139	+	WP_045757007.WP_045757007.1	glycogen synthas glgA	57877898	XaFJ1_RS12620	1605	534	
2377	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3025237	3027030	+	WP_012917066.WP_012917066.1	malto-oligosyltrez	57877899	XaFJ1_RS12625	1794	597	
2378	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3027191	3029167	+	WP_012917067.WP_012917067.1	4-alpha-glucanot malQ	57877900	XaFJ1_RS12630	1977	658	
2379	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3029164	3031785	+	WP_012917068.WP_012917068.1	malto-oligosyltrez treY	57877901	XaFJ1_RS12635	2622	873	
2380	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3031800	3031997	+	WP_012917069.WP_012917069.1	DUF2934 domain-containing prote	57877902	XaFJ1_RS12640	198	65	
2381	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3032010	3034178	+	WP_012917070.WP_012917070.1	glycogen debran glgX	57877903	XaFJ1_RS12645	2169	722	
2382	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3034386	3035138	-	WP_012917071.WP_012917071.1	hypothetical protein	57877904	XaFJ1_RS12650	753	250	
2383	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3035325	3036662	-	WP_012917072.WP_012917072.1	sigma-54 dependent transcriptiona	57877905	XaFJ1_RS12655	1338	445	
2384	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3036647	3038083	-	WP_012917073.WP_012917073.1	HAMP domain-containing histidine	57877906	XaFJ1_RS12660	1437	478	
2385	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3038196	3038830	-	WP_155393146.WP_155393146.1	hypothetical protein	57877907	XaFJ1_RS12665	159	52	
2386	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3038439	3039563	-	WP_012917074.WP_012917074.1	acyl-CoA desaturase	57877908	XaFJ1_RS12670	1125	374	
2387	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3039575	3040651	-	WP_012917075.WP_012917075.1	ferredoxin reductase	57877909	XaFJ1_RS12675	1077	358	
2388	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3040746	3041390	+	WP_012917076.WP_012917076.1	HTH-type transcr fabR	57877910	XaFJ1_RS12680	645	214	
2389	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3041686	3042102	-	WP_155393694.WP_155393694.1	hypothetical protein	57877911	XaFJ1_RS12685	417	138	
2390	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3042526	3043944	-	WP_197538482.WP_197538482.1	AAA family ATPase	57877912	XaFJ1_RS12690	1419	472	
2391	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3043949	3045415	-	WP_012917080.WP_012917080.1	AAA family ATPase	57877913	XaFJ1_RS12695	1467	488	
2392	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3045464	3046562	-	WP_012917081.WP_012917081.1	AAA family ATPase	62675612	XaFJ1_RS15965	189	62	
2393	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3045942	3051860	+	WP_012917082.WP_012917082.1	hypothetical protein	57877914	XaFJ1_RS12700	5919	1972	
2394	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3052185	3052997	-	WP_012917083.WP_012917083.1	hypothetical protein	57877915	XaFJ1_RS12705	813	270	
2395	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3053373	3054305	-	WP_012917084.WP_012917084.1	RDD family protein	57877916	XaFJ1_RS12710	933	310	
2396	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3054429	3054797	-	WP_012917085.WP_012917085.1	hypothetical protein	57877917	XaFJ1_RS12715	369	122	
2397	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3054802	3056496	-	WP_012917086.WP_012917086.1	type IV secretory system conjugati	57877918	XaFJ1_RS12720	1695	564	
2398	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3056600	3058948	-	WP_012917087.WP_012917087.1	hypothetical protein	57877919	XaFJ1_RS12725	2349	782	
2399	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3058945	3059802	-	WP_012917088.WP_012917088.1	hypothetical protein	62675613	XaFJ1_RS15970	858	285	
2400	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3060136	3060663	-	WP_012917089.WP_012917089.1	hypothetical protein	57877921	XaFJ1_RS12735	528	175	
2401	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3060660	3061034	-	WP_203417799.WP_203417799.1	site-specific recombinase resolvase	57877922	XaFJ1_RS12740	375	124	
2402	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3061031	3062419	-	WP_012917091.WP_012917091.1	recombinase family protein	57877923	XaFJ1_RS12745	1389	462	
2403	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3062416	3062868	-	WP_012917092.WP_012917092.1	DUF2924 domain-containing prote	57877924	XaFJ1_RS12750	453	150	
2404	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3062865	3063056	-	WP_012917093.WP_012917093.1	hypothetical protein	57877925	XaFJ1_RS12755	192	63	
2405	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3063129	3063503	+	WP_045757014.WP_045757014.1	hypothetical protein	57877926	XaFJ1_RS12760	375	124	
2406	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3064168	3064317	+	WP_155393695.WP_155393695.1	hypothetical protein	57878538	XaFJ1_RS15820	150	49	
2407	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3064378	3064671	+	WP_012916802.WP_012916802.1	transposase	57877927	XaFJ1_RS12765	294	97	
2408	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3064716	3065528	+	WP_012917096.WP_012917096.1	IS3 family transposase	57877928	XaFJ1_RS12770	813	270	
2409	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3065533	3065889	+	WP_012917097.WP_012917097.1	hypothetical protein	57877929	XaFJ1_RS12775	357	118	
2410	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3065894	3066097	+	WP_012917098.WP_012917098.1	hypothetical protein	57877930	XaFJ1_RS12780	204	67	
2411	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3066075	3066518	+	WP_187388453.WP_187388453.1	DUF6362 family protein	57877931	XaFJ1_RS12785	444	147	
2412	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3066729	3067985	+	WP_012917100.WP_012917100.1	site-specific DNA-methyltransferas	57877932	XaFJ1_RS12790	1257	418	
2413	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3068100	3068363	-	WP_012917101.WP_012917101.1	hypothetical protein	57877933	XaFJ1_RS12795	264	87	
2414	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3068622	3068992	-	WP_045764710.WP_045764710.1	DUF3489 domain-containing prote	57877934	XaFJ1_RS12800	471	156	
2415	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3069322	3069465	+	WP_197538481.WP_197538481.1	HNH endonuclease	62675614	XaFJ1_RS15975	144	47	
2416	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3069923	3070387	+	WP_012917103.WP_012917103.1	phage terminase small subunit P2i	57877936	XaFJ1_RS12810	465	154	
2417	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3070437	3071668	-	WP_155393589.WP_155393589.1	IS3 family transposase	57877937	XaFJ1_RS12815	1233	410	ribosomal_slippage
2418	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3073563	3073751	+	WP_045757016.WP_045757016.1	hypothetical protein	57877939	XaFJ1_RS12825	189	62	
2419	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3073748	3075334	+	WP_012917105.WP_012917105.1	N-6 DNA methylase	57877940	XaFJ1_RS12830	1587	528	
2420	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3075331	3076248	+	WP_012917106.WP_012917106.1	XamI family restriction endonuclea	57877941	XaFJ1_RS12835	918	305	
2421	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3076350	3078200	+	WP_012917107.WP_012917107.1	ATP-binding protein	57877942	XaFJ1_RS12840	1851	616	
2422	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3078258	3078842	-	WP_012917108.WP_012917108.1	plasmid mobilization relaxosome p	57877943	XaFJ1_RS12845	585	194	
2423	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3079497	3079655	-	WP_012917109.WP_012917109.1	hypothetical protein	62675615	XaFJ1_RS15980	159	52	
2424	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3079652	3079954	-	WP_012917110.WP_012917110.1	hypothetical protein	57877944	XaFJ1_RS12850	303	100	
2425	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3079958	3081052	-	WP_012917111.WP_012917111.1	type IV secretion system protein	57877945	XaFJ1_RS12855	1095	364	
2426	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3081054	3081314	-	WP_012917112.WP_012917112.1	EexN family lipoprotein	57877946	XaFJ1_RS12860	261	86	
2427	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3081311	3081790	-	WP_012917113.WP_012917113.1	hypothetical protein	57877947	XaFJ1_RS12865	480	159	
2428	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3081804	3082523	-	WP_012917114.WP_012917114.1	P-type DNA trans virB5	57877948	XaFJ1_RS12870	720	239	
2429	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3082739	3082894	-	WP_187388413.WP_187388413.1	hypothetical protein	62675616	XaFJ1_RS15985	156	51	
2430	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3083156	3084007	-	WP_012917116.WP_012917116.1	helix-turn-helix domain-containing	57877949	XaFJ1_RS12875	852	283	
2431	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3084004	3084243	-	WP_012917117.WP_012917117.1	hypothetical protein	57877950	XaFJ1_RS12880	240	79	
2432	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3084482	3085576	-	WP_012917118.WP_012917118.1	site-specific integrase	57877951	XaFJ1_RS12885	1095	364	
2433	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3086154	3088340	-	WP_012917119.WP_012917119.1	1,4-alpha-glucan glgB	57877953	XaFJ1_RS12895	2187	728	
2434	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3088748	3088933	+	WP_045757017.WP_045757017.1	hypothetical protein	57877954	XaFJ1_RS12900	186	61	
2435	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3088930	3090258	+	WP_012917120.WP_012917120.1	sugar MFS transporter	57877955	XaFJ1_RS12905	1329	442	
2436	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3090351	3091637	+	WP_161525197.WP_161525197.1	AGE family epimerase/isomerase	57877956	XaFJ1_RS12910	1287	428	
2437	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3091869	3092723	-	WP_012917122.WP_012917122.1	glycosyltransferase family 2 protei	57877957	XaFJ1_RS12915	855	284	
2438	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3092716	3093549	-	WP_045757018.WP_045757018.1	glycosyltransferase	57877958	XaFJ1_RS12920	834	277	
2439	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3093556	3096874	-	WP_012917124.WP_012917124.1	type II secretion t gspD	57877959	XaFJ1_RS12925	2319	772	
2440	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3095886	3096638	-	WP_012917125.WP_012917125.1	hypothetical protein	57877960	XaFJ1_RS12930	753	250	
2441	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3096628	3097431	-	WP_012917126.WP_012917126.1	type II secretion system protein M	57877961	XaFJ1_RS12935	804	267	
2442	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3097412	3098536	-	WP_012917127.WP_012917127.1	PIIN domain-containing protein	57877962	XaFJ1_RS12940	1125	374	
2443	CDS	with_protein	GCF_009931599 Primary Assembl chromosome	NZ_CP046570.1	3098533	3099390	-	WP_012917128.WP_012917128.1	general secretion pathway protein	57877963	XaFJ1_RS12945	858	285	
2444	CDS	with_protein	GCF_009931599 Primary Assembl chromosome											

2448	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3101713	3102927	-	WP_012917133.WP_012917133.1	type II secretion system F family pi	57877968	XaFJ1_RS12970	1215	404
2449	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3103052	3104782	-	WP_012917134.WP_012917134.1	type II secretion (gspE)	57877969	XaFJ1_RS12975	1731	576
2450	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3105018	3106901	-	WP_012917135.WP_012917135.1	S8 family serine peptidase	57877970	XaFJ1_RS12980	1884	627
2451	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3107059	3112962	-	WP_012917136.WP_012917136.1	YadA-like family protein	57877971	XaFJ1_RS12985	5904	1967
2452	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3113660	3117631	-	WP_012917137.WP_012917137.1	phosphoribosyl purL	57877972	XaFJ1_RS12990	3972	1323
2453	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3117827	3118633	-	WP_012917138.WP_012917138.1	DsbC family protein	57877973	XaFJ1_RS12995	807	268
2454	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3118735	3119709	-	WP_012917139.WP_012917139.1	site-specific tyrosine xerD	57877974	XaFJ1_RS13000	975	324
2455	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3119877	3120362	+	WP_012917140.WP_012917140.1	RDD family protein	57877975	XaFJ1_RS13005	486	161
2456	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3120368	3121474	-	WP_012917141.WP_012917141.1	LPS export ABC (ptG)	57877976	XaFJ1_RS13010	1107	368
2457	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3121471	3122556	-	WP_012917142.WP_012917142.1	LPS export ABC (ptF)	57877977	XaFJ1_RS13015	1086	361
2458	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3122664	3124172	+	WP_012917143.WP_012917143.1	leucyl aminopeptidase	57877978	XaFJ1_RS13020	1509	502
2459	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3124286	3124711	+	WP_045757397.WP_045757397.1	DNA polymerase III subunit chi	57877979	XaFJ1_RS13025	426	141
2460	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3124817	3127831	+	WP_012917145.WP_012917145.1	valine-tRNA ligase	57877980	XaFJ1_RS13030	3015	1004
2461	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3127828	3128301	+	WP_146084024.WP_146084024.1	isoprenylcysteine carboxymethyltr	57877981	XaFJ1_RS13035	474	157
2462	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3128322	3128810	-	WP_012917146.WP_012917146.1	ribosomal protein rimI	57877982	XaFJ1_RS13040	489	162
2463	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3128807	3129274	-	WP_045757398.WP_045757398.1	hypothetical protein	57877983	XaFJ1_RS13045	468	155
2464	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3129280	3130056	-	WP_012917148.WP_012917148.1	CDP-diacetylglucose	57877984	XaFJ1_RS13050	777	258
2465	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3130136	3130528	+	WP_045757399.WP_045757399.1	DUF4124 domain-containing prote	57877985	XaFJ1_RS13055	393	130
2466	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3130628	3132322	+	WP_012917150.WP_012917150.1	proline-tRNA ligase	57877986	XaFJ1_RS13060	1695	564
2467	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3132608	3133072	+	WP_012917151.WP_012917151.1	H-NS histone family protein	57877987	XaFJ1_RS13065	465	154
2468	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3133273	3134535	-	WP_012917152.WP_012917152.1	threonine/serine exporter family pr	57877988	XaFJ1_RS13070	1263	420
2469	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3134639	3135751	+	WP_045757019.WP_045757019.1	ABC transporter permease	57877989	XaFJ1_RS13075	1113	370
2470	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3135825	3136649	+	WP_012917154.WP_012917154.1	ABC transporter ATP-binding prote	57877990	XaFJ1_RS13080	825	274
2471	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3136653	3137579	+	WP_012917155.WP_012917155.1	MCE family protein	57877991	XaFJ1_RS13085	927	308
2472	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3137576	3138223	+	WP_012917156.WP_012917156.1	ABC-type transport auxiliary lipoon	57877992	XaFJ1_RS13090	648	215
2473	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3138210	3138791	-	WP_012917157.WP_012917157.1	alpha-ketoglutarate-dependent dic	57877993	XaFJ1_RS13095	582	193
2474	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3138906	3140549	+	WP_012917158.WP_012917158.1	electron transfer flavoprotein-ubiq	57877994	XaFJ1_RS13100	1644	547
2475	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3140546	3142618	+	WP_045757020.WP_045757020.1	glycoside hydrolase family 99-like	57877995	XaFJ1_RS13105	2073	690
2476	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3142633	3143285	-	WP_012917160.WP_012917160.1	CoA transferase subunit B	57877996	XaFJ1_RS13110	633	210
2477	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3143267	3144004	-	WP_045757021.WP_045757021.1	CoA transferase subunit A	57877997	XaFJ1_RS13115	738	245
2478	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3144138	3145484	+	WP_012917162.WP_012917162.1	phosphomannanase/phosphogluc	57877998	XaFJ1_RS13120	1347	448
2479	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3145450	3146943	+	WP_012917163.WP_012917163.1	mannose-1-phosphate guanylyltra	57877999	XaFJ1_RS13125	1404	467
2480	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3147018	3147932	-	WP_012917164.WP_012917164.1	dTDP-4-dehydrod rfbD	57878000	XaFJ1_RS13130	915	304
2481	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3147929	3148486	-	WP_012917165.WP_012917165.1	dTDP-4-dehydrod rfbC	57878001	XaFJ1_RS13135	558	185
2482	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3148483	3149370	-	WP_012917166.WP_012917166.1	glucose-1-phosphi rfbA	57878002	XaFJ1_RS13140	888	295
2483	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3149432	3150487	-	WP_012917167.WP_012917167.1	dTDP-glucose 4, rfbB	57878003	XaFJ1_RS13145	1056	351
2484	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3150724	3151470	+	WP_012917168.WP_012917168.1	electron transfer flavoprotein subu	57878004	XaFJ1_RS13150	747	248
2485	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3151470	3152411	+	WP_012917169.WP_012917169.1	electron transfer flavoprotein subu	57878005	XaFJ1_RS13155	942	313
2486	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3152587	3153285	+	WP_012917170.WP_012917170.1	hypothetical protein	57878006	XaFJ1_RS13160	699	325
2487	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3153263	3154240	+	WP_155393697.WP_155393697.1	glycosyltransferase family 2 protei	57878007	XaFJ1_RS13165	978	232
2488	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3154237	3154659	+	WP_012917172.WP_012917172.1	GrA family protein	57878008	XaFJ1_RS13170	423	140
2489	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3154656	3155981	+	WP_012917173.WP_012917173.1	NAD(P)FAD-dependent oxidoredu	57878009	XaFJ1_RS13175	1326	441
2490	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3155978	3158005	+	WP_012917174.WP_012917174.1	hypothetical protein	57878010	XaFJ1_RS13180	2028	675
2491	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3158019	3160496	-	WP_045757022.WP_045757022.1	glycosyltransferase family 4 protei	57878011	XaFJ1_RS13185	2478	825
2492	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3160536	3161504	-	WP_012917176.WP_012917176.1	GDP-mannose 4,6-dehydratase	57878012	XaFJ1_RS13190	969	322
2493	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3161501	3162421	-	WP_012917177.WP_012917177.1	GDP-mannose 4,6-dehydratase	57878013	XaFJ1_RS13195	921	306
2494	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3162414	3163793	-	WP_045757023.WP_045757023.1	class I SAM-dependent methyltran	57878014	XaFJ1_RS13200	1380	459
2495	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3163841	3165085	-	WP_012917179.WP_012917179.1	ABC transporter ATP-binding prote	57878015	XaFJ1_RS13205	1245	414
2496	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3165082	3165873	-	WP_012917180.WP_012917180.1	ABC transporter permease	57878016	XaFJ1_RS13210	792	263
2497	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3165891	3167252	-	WP_012917181.WP_012917181.1	glycosyltransferase family 4 protei	57878017	XaFJ1_RS13215	1362	453
2498	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3167278	3168462	-	WP_012917182.WP_012917182.1	cystathionine gamma-synthase	57878018	XaFJ1_RS13220	1185	394
2499	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3168546	3169916	-	WP_012917183.WP_012917183.1	pyridoxal-phosphate dependent en	57878019	XaFJ1_RS13225	1371	456
2500	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3170096	3170314	-	WP_045757024.WP_045757024.1	YdcH family protein	57878020	XaFJ1_RS13230	219	72
2501	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3170634	3171530	-	WP_012917185.WP_012917185.1	OmpA family protein	57878021	XaFJ1_RS13235	897	298
2502	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3171527	3171925	-	WP_045757025.WP_045757025.1	DUF4398 domain-containing prote	57878022	XaFJ1_RS13240	399	132
2503	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3172032	3173171	+	WP_012917187.WP_012917187.1	PilT/PilU family type 4a pilus ATP	57878023	XaFJ1_RS13245	1140	379
2504	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3173225	3173884	-	WP_012917188.WP_012917188.1	maleylacetoacetat maiA	57878024	XaFJ1_RS13250	660	219
2505	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3173982	3174971	-	WP_012917189.WP_012917189.1	fumarylacetoacetate hydrolase fan	57878025	XaFJ1_RS13255	990	329
2506	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3175318	3176688	+	WP_012917190.WP_012917190.1	DEAD/DEAH box helicase	57878026	XaFJ1_RS13260	1371	456
2507	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3176838	3177200	+	WP_012917191.WP_012917191.1	6-carboxytetrahy queD	57878027	XaFJ1_RS13265	363	120
2508	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3177401	3177778	+	WP_045757401.WP_045757401.1	phasin family protein	57878028	XaFJ1_RS13270	378	125
2509	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3177980	3178675	-	WP_012917193.WP_012917193.1	dethiobiotin synth bioD	57878029	XaFJ1_RS13275	696	231
2510	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3178796	3179278	+	WP_012917194.WP_012917194.1	GAF domain-containing protein	57878030	XaFJ1_RS13280	483	160
2511	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3179289	3179690	+	WP_012917195.WP_012917195.1	Tox/Sxy family protein	57878031	XaFJ1_RS13285	402	133
2512	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3180046	3181917	-	WP_012917196.WP_012917196.1	TonB-dependent btuB	57878032	XaFJ1_RS13290	1872	623
2513	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3181997	3182650	-	WP_012917197.WP_012917197.1	phosphoglycolat gph	57878033	XaFJ1_RS13295	654	217
2514	CDS	with_protein	GCF_009931595	Primary Assembl chromosome	NZ_CP046570.1	3182762	3183823	-	WP_012917198.WP_012917198.1	DNA polymerase dinB	57878034	XaFJ1_RS13300	1062	353
2515	CDS	with_protein	GCF_009931595											

2520	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3191227	3194460	+	WP_012917204.WP_012917204.1	efflux RND transporter permease s	57878040	XaFJ1_RS13330 3234	1077
2521	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3194492	3197614	+	WP_012917205.WP_012917205.1	efflux RND transporter permease s	57878041	XaFJ1_RS13335 3123	1040
2522	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3198163	3198648	+	WP_045757403.WP_045757403.1	hypothetical protein	57878043	XaFJ1_RS13345 486	161
2523	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3198680	3199981	-	WP_012917207.WP_012917207.1	homogenisate 1,2-dioxygenase	57878044	XaFJ1_RS13350 1302	433
2524	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3200100	3201167	-	WP_155393745.WP_155393745.1	4-hydroxyphenyl hppD	57878045	XaFJ1_RS13355 1068	355
2525	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3201356	3201841	+	WP_012917209.WP_012917209.1	MarR family transcriptional regulat	57878046	XaFJ1_RS13360 486	161
2526	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3201920	3202522	-	WP_012917210.WP_012917210.1	thioredoxin family protein	57878047	XaFJ1_RS13365 603	200
2527	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3202539	3204047	-	WP_012917211.WP_012917211.1	oligopeptide:H+ symporter	57878048	XaFJ1_RS13370 1509	502
2528	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3204133	3204372	+	WP_155393151.WP_155393151.1	hypothetical protein	57878049	XaFJ1_RS13375 240	79
2529	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3204369	3205229	-	WP_012917212.WP_012917212.1	tryptophan 2,3-dioxygenase	57878050	XaFJ1_RS13380 861	286
2530	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3205446	3205775	-	WP_012917213.WP_012917213.1	hypothetical protein	57878051	XaFJ1_RS13385 330	109
2531	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3206014	3206940	+	WP_012917214.WP_012917214.1	carbohydrate kinase	57878052	XaFJ1_RS13390 927	308
2532	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3207058	3208671	+	WP_012917215.WP_012917215.1	GGDEF domain-containing protein	57878053	XaFJ1_RS13395 1614	537
2533	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3208777	3211164	-	WP_045758883.WP_045758883.1	DUF3772 domain-containing prote	57878054	XaFJ1_RS13400 2388	795
2534	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3211532	3212092	+	WP_012917217.WP_012917217.1	nucleoside deaminase	57878055	XaFJ1_RS13405 561	186
2535	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3212115	3213164	+	WP_012917218.WP_012917218.1	23S rRNA (cytidil rlmM	57878056	XaFJ1_RS13410 1050	349
2536	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3213238	3214353	-	WP_012917219.WP_012917219.1	GloI/dh/MocA family oxidoreducta	57878057	XaFJ1_RS13415 1116	371
2537	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3214445	3215341	+	WP_012917220.WP_012917220.1	SMP-30/gluconolactonase/LRE far	57878058	XaFJ1_RS13420 897	298
2538	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3215423	3216145	+	WP_012917221.WP_012917221.1	hypothetical protein	57878059	XaFJ1_RS13425 723	240
2539	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3216244	3216591	+	WP_187388455.WP_187388455.1	EF-hand domain-containing protei	57878060	XaFJ1_RS13430 348	115
2540	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3217022	3218200	-	WP_012917223.WP_012917223.1	UbiH/UbiF family hydroxylase	57878062	XaFJ1_RS13440 1179	392
2541	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3218197	3219411	-	WP_012917224.WP_012917224.1	2-octaprenyl-6-m ubiH	57878063	XaFJ1_RS13445 1215	404
2542	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3219788	3220492	+	WP_012917225.WP_012917225.1	hypothetical protein	57878064	XaFJ1_RS13450 705	234
2543	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3220489	3221496	+	WP_161525199.WP_161525199.1	hypothetical protein	57878065	XaFJ1_RS13455 1008	335
2544	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3221514	3222203	+	WP_012917227.WP_012917227.1	hypothetical protein	57878066	XaFJ1_RS13460 690	229
2545	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3222382	3222966	+	WP_012917228.WP_012917228.1	hypothetical protein	57878067	XaFJ1_RS13465 585	194
2546	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3222973	3223527	+	WP_012917229.WP_012917229.1	cob(II)yrinic acid a,c-diamide adenc	57878068	XaFJ1_RS13470 555	184
2547	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3223552	3224557	+	WP_012917230.WP_012917230.1	histone deacetylase family protein	57878069	XaFJ1_RS13475 906	301
2548	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3224474	3226912	+	WP_080931571.WP_080931571.1	LPS-assembly pr lptD	57878070	XaFJ1_RS13480 2439	812
2549	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3226909	3228276	+	WP_012917232.WP_012917232.1	peptidylprolyl isomerase	57878071	XaFJ1_RS13485 1368	455
2550	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3228280	3229254	+	WP_012917233.WP_012917233.1	4-hydroxythreonin pdxA	57878072	XaFJ1_RS13490 975	324
2551	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3229475	3230269	+	WP_012917234.WP_012917234.1	16S rRNA (adeni rsmA	57878073	XaFJ1_RS13495 795	264
2552	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3230363	3230746	+	WP_012917235.WP_012917235.1	Co2+/Mg2+ efflux apaG	57878074	XaFJ1_RS13500 384	127
2553	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3230757	3231668	+	WP_012917236.WP_012917236.1	symmetrical bis(5'-nucleosyl)-tetra	57878075	XaFJ1_RS13505 912	303
2554	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3231690	3232199	-	WP_012917237.WP_012917237.1	dihydrofolate reductase	57878076	XaFJ1_RS13510 510	169
2555	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3232187	3232537	-	WP_045757027.WP_045757027.1	hypothetical protein	57878077	XaFJ1_RS13515 351	116
2556	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3232534	3233328	-	WP_012917238.WP_012917238.1	thymidylate synthase	57878078	XaFJ1_RS13520 795	264
2557	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3233325	3234203	-	WP_012917239.WP_012917239.1	prolipoprotein diacylglycerol transf	57878079	XaFJ1_RS13525 879	292
2558	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3234385	3235131	-	WP_012917240.WP_012917240.1	TerC family protein	57878080	XaFJ1_RS13530 747	248
2559	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3235171	3235551	-	WP_012917241.WP_012917241.1	diacylglycerol kinase	57878081	XaFJ1_RS13535 381	126
2560	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3235454	3235750	-	WP_162596417.WP_162596417.1	hypothetical protein	57878539	XaFJ1_RS15825 297	98
2561	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3235787	3237067	-	WP_045757405.WP_045757405.1	HAMP domain-containing histidine	57878082	XaFJ1_RS13540 1281	426
2562	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3237176	3237889	-	WP_012917243.WP_012917243.1	response regulator transcription fa	57878083	XaFJ1_RS13545 714	237
2563	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3237985	3238644	-	WP_045757406.WP_045757406.1	arylesterase	57878084	XaFJ1_RS13550 660	219
2564	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3238776	3239378	+	WP_045757407.WP_045757407.1	ATP-binding cassette domain-cont	57878085	XaFJ1_RS13555 603	200
2565	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3239375	3241858	+	WP_012917246.WP_012917246.1	FtsX-like permease family protein	57878086	XaFJ1_RS13560 2484	827
2566	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3241889	3242824	-	WP_012917247.WP_012917247.1	hypothetical protein	57878087	XaFJ1_RS13565 936	311
2567	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3242926	3245124	-	WP_012917248.WP_012917248.1	TonB-dependent hemoglobin/trans	57878088	XaFJ1_RS13570 2199	732
2568	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3245266	3245466	-	WP_012917249.WP_012917249.1	hemin uptake protein HemP	57878089	XaFJ1_RS13575 201	66
2569	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3245654	3246625	-	WP_012917250.WP_012917250.1	aldo/keto reductase	57878090	XaFJ1_RS13580 972	323
2570	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3246819	3248117	+	WP_012917251.WP_012917251.1	nucleoside transporter NupC	57878091	XaFJ1_RS13585 1299	432
2571	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3248181	3249134	+	WP_045757028.WP_045757028.1	ribokinase	57878092	XaFJ1_RS13590 954	317
2572	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3249408	3249929	+	WP_045757029.WP_045757029.1	hypothetical protein	57878093	XaFJ1_RS13595 522	173
2573	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3250124	3252487	+	WP_012917254.WP_012917254.1	carbohydrate-binding protein	57878094	XaFJ1_RS13600 2364	787
2574	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3252579	3253577	+	WP_012917255.WP_012917255.1	tRNA dihydrourid dusb	57878095	XaFJ1_RS13605 999	332
2575	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3253674	3254477	-	WP_012917256.WP_012917256.1	UDP-2,3-diacylglycosamine diphos	57878096	XaFJ1_RS13610 804	267
2576	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3254830	3256041	+	WP_012917257.WP_012917257.1	methionine adenosyltransferase	57878097	XaFJ1_RS13615 1212	403
2577	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3256165	3257388	-	WP_045757409.WP_045757409.1	histidine-type phosphatase	57878098	XaFJ1_RS13620 1224	407
2578	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3257601	3260315	-	WP_012917259.WP_012917259.1	phosphoenolpyru ppc	57878099	XaFJ1_RS13625 2715	904
2579	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3260679	3262124	+	WP_012917260.WP_012917260.1	adenosylhomocysteinease	57878100	XaFJ1_RS13630 1446	481
2580	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3262302	3263069	-	WP_012917261.WP_012917261.1	class I SAM-dependent methyltran	57878101	XaFJ1_RS13635 768	255
2581	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3263104	3264036	-	WP_012917262.WP_012917262.1	sulfotransferase domain-containin	57878102	XaFJ1_RS13640 933	310
2582	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3264576	3265262	-	WP_045758444.WP_045758444.1	hypothetical protein	57878103	XaFJ1_RS13645 687	228
2583	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3265490	3266272	-	WP_045757030.WP_045757030.1	TorF family putative porin	57878104	XaFJ1_RS13650 783	260
2584	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3266269	3266673	-	WP_203417800.WP_203417800.1	hypothetical protein	57878105	XaFJ1_RS13655 405	134
2585	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3267864	3268298	-	WP_012917268.WP_012917268.1	hypothetical protein	57878106	XaFJ1_RS13660 435	144
2586	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3269385	3269948	-	WP_012917270.WP_012917270.1	DUF3228 family protein	57878107	XaFJ1_RS13665 564	187
2587	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3270114	3271034	-	WP_012917271.WP_012917271.1	M14 family metalocarboxypeptida	57878108	XaFJ1_RS13670 921	306
2588	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3271247	3272089	+	WP_012917272.WP_012917272.1	methylenetetrahy metF	57878109	XaFJ1_RS13675 843	320
2589	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3272407	3273369	-	WP_012917273.WP_012917273.1	Nudix family hydrolase	57878110	XaFJ1_RS13680 963	280
2590	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3273527	3273901	-	WP_012917274.WP_012917274.1	glyoxalase	57878111	XaFJ1_RS13685 375	124
2591	CDS	with_protein	GCF_00993159g Primary Assembl chromosome	NZ_CP046570.1 3274102	3276840	-	WP_012917275.WP_012917275.1	preprotein transk secA	57878112	XaFJ1_RS13690 2739	912

2592	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3277003	3277950	-	WP_012917276	WP_012917276.1	M23 family metalloproteinase	57878113	XaFJ1_RS13695948	315
2593	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3277962	3278438	+	WP_012917277	WP_012917277.1	DUF721 domain-containing protein	57878114	XaFJ1_RS13700477	158
2594	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3278586	3279497	-	WP_012917278	WP_012917278.1	UDP-3-O-acetyl-N-acetylglucosamin	57878115	XaFJ1_RS13705912	303
2595	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3279750	3280979	-	WP_012917279	WP_012917279.1	cell division proteftsZ	57878116	XaFJ1_RS137101230	409
2596	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3281187	3282422	-	WP_012917280	WP_012917280.1	cell division proteftsA	57878117	XaFJ1_RS137151236	411
2597	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3282419	3283279	-	WP_012917281	WP_012917281.1	cell division protein FtsQ/DivIB	57878118	XaFJ1_RS13720861	286
2598	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3283276	3284235	-	WP_012917282	WP_012917282.1	D-alanine-D-alanine ligase	57878119	XaFJ1_RS13725960	319
2599	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3284232	3285668	-	WP_012917283	WP_012917283.1	UDP-N-acetylmuramate-L-alanine	57878120	XaFJ1_RS137301437	478
2600	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3285665	3286882	-	WP_155393748	WP_155393748.1	undecaprenyldipl murG	57878121	XaFJ1_RS137351218	405
2601	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3286927	3288249	-	WP_012917285	WP_012917285.1	putative lipid II fljflsW	57878122	XaFJ1_RS137401323	440
2602	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3288249	3289334	-	WP_012917286	WP_012917286.1	phospho-N-acetylmuramoyl-penta	57878123	XaFJ1_RS137451086	361
2603	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3289324	3290829	-	WP_012917287	WP_012917287.1	UDP-N-acetylmurF	57878124	XaFJ1_RS137501506	504
2604	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3290826	3292310	-	WP_012917288	WP_012917288.1	UDP-N-acetylmuramoyl-L-alanyl-D	57878125	XaFJ1_RS137551485	491
2605	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3292307	3294172	-	WP_012917289	WP_012917289.1	cell division protein	57878126	XaFJ1_RS137601866	621
2606	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3294169	3294432	-	WP_012917290	WP_012917290.1	cell division proteftsL	57878127	XaFJ1_RS13765264	87
2607	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3294429	3295430	-	WP_012917291	WP_012917291.1	16S rRNA (cytosol rsmH)	57878128	XaFJ1_RS137701002	333
2608	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3295445	3295900	-	WP_104629902	WP_104629902.1	division/cell wall mraZ	57878129	XaFJ1_RS13775456	156
2609	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3297046	3297870	-	WP_012917294	WP_012917294.1	16S rRNA (cytidil rsmI)	57878131	XaFJ1_RS13785825	274
2610	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3297952	3299172	+	WP_012917295	WP_012917295.1	penicillin-binding protein activator	57878132	XaFJ1_RS137901221	406
2611	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3299162	3299530	+	WP_012917296	WP_012917296.1	YraN family protein	57878133	XaFJ1_RS13795369	122
2612	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3299759	3301144	+	WP_012917297	WP_012917297.1	FAD-binding protein	57878134	XaFJ1_RS138001386	461
2613	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3301247	3301972	-	WP_012917298	WP_012917298.1	response regulator transcription fa	57878135	XaFJ1_RS13805726	241
2614	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3301962	3304640	-	WP_012917299	WP_012917299.1	sensor histidine kinase KdpD	57878136	XaFJ1_RS138102679	892
2615	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3304701	3305345	-	WP_012917300	WP_012917300.1	potassium-transf kdpC	57878137	XaFJ1_RS13815645	214
2616	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3305386	3307455	-	WP_045757410	WP_045757410.1	potassium-transf kdpB	57878138	XaFJ1_RS138202070	689
2617	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3307466	3309208	-	WP_012917302	WP_012917302.1	potassium-transf kdpA	57878139	XaFJ1_RS138251743	590
2618	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3309225	3309317	-	WP_012917303	WP_012917303.1	potassium-transporting ATPase su	57878140	XaFJ1_RS1383093	30
2619	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3309684	3311198	-	WP_012917304	WP_012917304.1	outer membrane beta-barrel protei	57878141	XaFJ1_RS138351515	504
2620	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3311610	3312584	-	WP_012917305	WP_012917305.1	thiamine-phosph thil	57878142	XaFJ1_RS13840975	324
2621	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3312679	3313146	-	WP_012917306	WP_012917306.1	transcription antil nusB	57878143	XaFJ1_RS13845468	155
2622	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3313143	3313610	-	WP_012917307	WP_012917307.1	6,7-dimethyl-8-ribityllumazine synt	57878144	XaFJ1_RS13850468	155
2623	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3313712	3314845	-	WP_045757411	WP_045757411.1	3,4-dihydroxy-2-rib k	57878145	XaFJ1_RS138551134	377
2624	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3314952	3315551	-	WP_012917309	WP_012917309.1	riboflavin synthase	57878146	XaFJ1_RS13860600	199
2625	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3315903	3317012	-	WP_012917310	WP_012917310.1	bifunctional diam ribD	57878147	XaFJ1_RS138651110	369
2626	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3317009	3317485	-	WP_012917311	WP_012917311.1	GNAT family N-acetyltransferase	57878148	XaFJ1_RS13870477	158
2627	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3317492	3318022	-	WP_012917312	WP_012917312.1	transcriptional reirndR	57878149	XaFJ1_RS13875531	176
2628	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3318167	3319420	-	WP_012917313	WP_012917313.1	serine hydroxymethyltransferase	57878150	XaFJ1_RS138801254	377
2629	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3319539	3319799	-	WP_012917314	WP_012917314.1	RcnB family protein	57878151	XaFJ1_RS13885441	147
2630	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3320217	3321878	+	WP_045757033	WP_045757033.1	energy-depende etfA	57878152	XaFJ1_RS138901662	523
2631	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3320257	3323919	-	WP_012917316	WP_012917316.1	RNA polymerase rpoD	57878153	XaFJ1_RS138951863	650
2632	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3324072	3324512	-	WP_012917317	WP_012917317.1	D-tyrosyl-tRNA(Tyr) deacylase	57878154	XaFJ1_RS13900441	146
2633	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3324686	3325600	+	WP_012917318	WP_012917318.1	lauroyl acyltransferase	57878155	XaFJ1_RS13905915	304
2634	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3325628	3326149	-	WP_012917319	WP_012917319.1	GNAT family N-acetyltransferase	57878156	XaFJ1_RS13910522	173
2635	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3326421	3327551	+	WP_012917320	WP_012917320.1	GTP cyclohydroli ribA	57878157	XaFJ1_RS139151131	376
2636	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3327993	3328830	-	WP_012917321	WP_012917321.1	CDP-glycerol glycerophosphotrans	57878159	XaFJ1_RS139251038	345
2637	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3328830	3329663	-	WP_012917322	WP_012917322.1	glycosyltransferase family 2 protei	57878160	XaFJ1_RS13930834	277
2638	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3329743	3331029	-	WP_045757035	WP_045757035.1	O-antigen ligase family protein	57878161	XaFJ1_RS139351287	428
2639	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3331098	3332135	-	WP_045757412	WP_045757412.1	glycosyltransferase	57878162	XaFJ1_RS139401038	345
2640	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3332212	3333927	-	WP_012917325	WP_012917325.1	glycosyltransferase family 39 prote	57878163	XaFJ1_RS139451716	571
2641	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3333953	3335272	-	WP_045757036	WP_045757036.1	16S rRNA (cytosol rsmB)	57878164	XaFJ1_RS139501320	439
2642	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3335290	3336213	-	WP_012917327	WP_012917327.1	methionyl-tRNA formyltransferase	57878165	XaFJ1_RS13955924	307
2643	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3336318	3336830	-	WP_012917328	WP_012917328.1	peptide deformylase	57878166	XaFJ1_RS13960513	170
2644	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3336969	3338102	+	WP_012917329	WP_012917329.1	LysM peptidoglycan-binding domai	57878167	XaFJ1_RS139651134	377
2645	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3338184	3339338	+	WP_012917330	WP_012917330.1	DNA-processing dprA	57878168	XaFJ1_RS139701155	384
2646	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3339382	3339855	+	WP_012917331	WP_012917331.1	DUF494 family protein	57878169	XaFJ1_RS13975474	157
2647	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3339878	3340594	+	WP_012917332	WP_012917332.1	pilin	57878170	XaFJ1_RS13980717	238
2648	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3340332	3341564	+	WP_012917333	WP_012917333.1	RDD family protein	57878171	XaFJ1_RS13985933	310
2649	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3341812	3344307	+	WP_012917334	WP_012917334.1	DNA topoisomerase I	57878172	XaFJ1_RS139902496	831
2650	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3344444	3345004	+	WP_012917335	WP_012917335.1	Sua5YciO/YrdC/YwIC family prote	57878173	XaFJ1_RS13995561	186
2651	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3345099	3345851	+	WP_045758463	WP_045758463.1	hypothetical protein	57878174	XaFJ1_RS14000753	250
2652	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3345851	3346477	+	WP_045757413	WP_045757413.1	DUF4124 domain-containing prote	57878175	XaFJ1_RS14005627	208
2653	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3346619	3347392	-	WP_012917338	WP_012917338.1	SDR family oxidoreductase	57878176	XaFJ1_RS14010774	257
2654	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3347480	3347686	+	WP_045757037	WP_045757037.1	hypothetical protein	57878177	XaFJ1_RS14015207	68
2655	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3347769	3349661	-	WP_012917340	WP_012917340.1	signal peptide pe sppA	57878178	XaFJ1_RS140201893	630
2656	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3349738	3351096	-	WP_012917341	WP_012917341.1	MATE family efflux transporter	57878179	XaFJ1_RS140251359	452
2657	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3351259	3351663	-	WP_080931600	WP_080931600.1	hypothetical protein	57878180	XaFJ1_RS14030405	134
2658	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3353118	3355307	+	WP_012917343	WP_012917343.1	primosomal protein N'	57878181	XaFJ1_RS140352190	729
2659	CDS	with_protein	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	3356123	3357001	-	WP					

2664	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3360533	3362245	-	WP_012917350, WP_012917350.1	ATP-dependent f rhiB	57878188	XaFJ1_RS140701713	570		
2665	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3362449	3362790	+	WP_012917351, WP_012917351.1	thioredoxin TrxA TrxA	57878189	XaFJ1_RS14075342	113		
2666	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3363032	3364777	+	WP_045757038, WP_045757038.1	transcription terr hrr	57878190	XaFJ1_RS140801746	581		
2667	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3364977	3367208	-	WP_012917353, WP_012917353.1	NADP-dependent isocitrate dehyd	57878191	XaFJ1_RS140852232	743		
2668	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3367365	3367865	+	WP_012917354, WP_012917354.1	hypothetical protein	57878192	XaFJ1_RS14090501	166		
2669	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3368046	3370337	+	WP_012917355, WP_012917355.1	CRISPR-associated endonuclease	57878193	XaFJ1_RS140952292	763		
2670	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3370401	3370706	+	WP_012917356, WP_012917356.1	hypothetical protein	57878194	XaFJ1_RS14100306	101		
2671	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3370893	3371567	+	WP_012917357, WP_012917357.1	type I-C CRISPR cas5c	57878195	XaFJ1_RS14105675	224		
2672	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3371564	3373411	+	WP_012917358, WP_012917358.1	type I-C CRISPR cas8c	57878196	XaFJ1_RS141101848	615		
2673	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3373408	3374274	+	WP_012917359, WP_012917359.1	type I-C CRISPR cas7c	57878197	XaFJ1_RS14115867	288		
2674	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3374293	3374925	+	WP_012917360, WP_012917360.1	CRISPR-associa cas4	57878198	XaFJ1_RS14120633	210		
2675	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3374928	3375962	+	WP_012917361, WP_012917361.1	type I-C CRISPR cas1c	57878199	XaFJ1_RS141251035	344		
2676	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3375978	3376268	+	WP_012917362, WP_012917362.1	CRISPR-associa cas2	57878200	XaFJ1_RS14130291	96		
2677	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3378360	3380192	-	WP_012917363, WP_012917363.1	glutamine-fructo glms	57878201	XaFJ1_RS141351833	610		
2678	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3380407	3381675	+	WP_012917364, WP_012917364.1	efflux RND transporter periplasmic	57878202	XaFJ1_RS141401269	422		
2679	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3381794	3382510	+	WP_012917365, WP_012917365.1	ABC transporter ATP-binding prote	57878203	XaFJ1_RS14145717	238		
2680	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3382541	3383863	+	WP_012917366, WP_012917366.1	ABC transporter permease	57878204	XaFJ1_RS141501323	440		
2681	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3383879	3385093	+	WP_012917367, WP_012917367.1	FtsX-like permease family protein	57878205	XaFJ1_RS141551215	404		
2682	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3385141	3386472	+	WP_012917368, WP_012917368.1	ABC transporter permease	57878206	XaFJ1_RS141601332	443		
2683	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3386480	3387721	+	WP_012917369, WP_012917369.1	ABC transporter permease	57878207	XaFJ1_RS141651242	413		
2684	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3387821	3389158	+	WP_012917370, WP_012917370.1	sigma-54 dependent transcriptiona	57878208	XaFJ1_RS141701338	445		
2685	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3389155	3390522	+	WP_012917371, WP_012917371.1	hypothetical protein	57878209	XaFJ1_RS141751368	455		
2686	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3390553	3391920	-	WP_012917372, WP_012917372.1	bifunctional UDP glmU	57878210	XaFJ1_RS141801368	455		
2687	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3392055	3392438	+	WP_045757041, WP_045757041.1	GrA family protein	57878211	XaFJ1_RS14185384	127		
2688	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3392609	3393181	-	WP_012917374, WP_012917374.1	chorismate mutase	57878212	XaFJ1_RS14190573	190		
2689	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3393500	3393922	-	WP_012917375, WP_012917375.1	FOF1 ATP synthase subunit epsiloi	57878213	XaFJ1_RS14195423	140		
2690	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3394093	3395499	-	WP_012917376, WP_012917376.1	FOF1 ATP synthase atpD	57878214	XaFJ1_RS142001407	468		
2691	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3395618	3396481	-	WP_012917377, WP_012917377.1	FOF1 ATP synthase atpG	57878215	XaFJ1_RS14205864	287		
2692	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3396628	3398175	-	WP_012917378, WP_012917378.1	FOF1 ATP synthase subunit alpha	57878216	XaFJ1_RS142101548	515		
2693	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3398323	3398850	-	WP_012917379, WP_012917379.1	FOF1 ATP synthase subunit delta	57878217	XaFJ1_RS14215528	175		
2694	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3398852	3399322	-	WP_012917380, WP_012917380.1	FOF1 ATP synthase subunit B	57878218	XaFJ1_RS14220471	156		
2695	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3399437	3399736	-	WP_012917381, WP_012917381.1	FOF1 ATP synthase atpE	57878219	XaFJ1_RS14225300	99		
2696	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3399819	3400613	-	WP_012917382, WP_012917382.1	FOF1 ATP synthase atpB	57878220	XaFJ1_RS14230795	264		
2697	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3400640	3401005	-	WP_012917383, WP_012917383.1	hypothetical protein	57878221	XaFJ1_RS14235366	121		
2698	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3401565	3403364	-	WP_012917384, WP_012917384.1	dihydropolyl deh lpdA	57878222	XaFJ1_RS142401800	599		
2699	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3403498	3405210	-	WP_012917385, WP_012917385.1	dihydropolylpylrsin aceF	57878223	XaFJ1_RS142451713	570		
2700	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3405443	3406174	+	WP_045757415, WP_045757415.1	hypothetical protein	57878224	XaFJ1_RS14250732	243		
2701	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3406178	3406744	-	WP_045757043, WP_045757043.1	DNA-deoxinosine glycosylase	57878225	XaFJ1_RS14255567	188		
2702	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3406897	3407529	+	WP_012917388, WP_012917388.1	outer membrane beta-barrel protei	57878226	XaFJ1_RS14260633	210		
2703	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3407642	3408448	-	WP_012917389, WP_012917389.1	MetQ/NlpA family ABC transporter	57878227	XaFJ1_RS14265807	268		
2704	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3408618	3409313	-	WP_012917390, WP_012917390.1	ABC transporter permease	57878228	XaFJ1_RS14270696	231		
2705	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3409310	3410317	-	WP_045757416, WP_045757416.1	methionine ABC transporter ATP-b	57878229	XaFJ1_RS142751008	335		
2706	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3410423	3411319	-	WP_012917392, WP_012917392.1	DMT family transporter	57878230	XaFJ1_RS14280897	298		
2707	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3411391	3411873	-	WP_012917393, WP_012917393.1	YajQ family cyclic di-GMP-binding	57878231	XaFJ1_RS14285483	160		
2708	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3412015	3412569	+	WP_012917394, WP_012917394.1	DUF1415 domain-containing prote	57878232	XaFJ1_RS14290555	184		
2709	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3412744	3413442	-	WP_012917395, WP_012917395.1	rRNA pseudouridine synthase	57878233	XaFJ1_RS14295699	332		
2710	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3413439	3414512	-	WP_012917396, WP_012917396.1	class I SAM-dependent methyltran	57878234	XaFJ1_RS143001074	257		
2711	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3414655	3414918	+	WP_012917397, WP_012917397.1	hypothetical protein	57878235	XaFJ1_RS14305264	87		
2712	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3415077	3416411	-	WP_012917398, WP_012917398.1	sorbose dehydrogenase family	57878236	XaFJ1_RS143101335	444		
2713	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3416734	3418734	-	WP_012917399, WP_012917399.1	PAS domain S-box protein	57878237	XaFJ1_RS143152001	666		
2714	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3420942	3421511	+	WP_012917403, WP_012917403.1	DUF3016 domain-containing prote	57878240	XaFJ1_RS14330570	189		
2715	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3421536	3422609	-	WP_012917404, WP_012917404.1	alanine racemasei alr	57878241	XaFJ1_RS143351074	357		
2716	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3422588	3423895	-	WP_012917405, WP_012917405.1	D-amino acid dehydrogenase	57878242	XaFJ1_RS143401308	435		
2717	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3424558	3426132	-	WP_012917407, WP_012917407.1	pentalenene synthase	57878244	XaFJ1_RS143501575	524		
2718	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3426500	3426850	-	WP_187388414, WP_187388414.1	transposase	62675617	XaFJ1_RS15990351	116		
2719	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3427000	3427464	+	WP_012917410, WP_012917410.1	peptide-methionin msrB	57878247	XaFJ1_RS14365465	154		
2720	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3427498	3427908	+	WP_049887195, WP_049887195.1	hypothetical protein	57878248	XaFJ1_RS14370411	136		
2721	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3428054	3428908	+	WP_012917412, WP_012917412.1	flagellar motor stt motA	57878249	XaFJ1_RS14375855	284		
2722	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3428916	3430067	+	WP_012917413, WP_012917413.1	flagellar motor pr motB	57878250	XaFJ1_RS143801152	383		
2723	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3430172	3430684	+	WP_045757419, WP_045757419.1	hypothetical protein	57878251	XaFJ1_RS14385513	170		
2724	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3430694	3430978	+	WP_012917415, WP_012917415.1	DUF4031 domain-containing prote	57878252	XaFJ1_RS14390285	94		
2725	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3431293	3433410	+	WP_012917416, WP_012917416.1	fibronectin type III domain-containi	57878253	XaFJ1_RS143952118	705		
2726	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3433469	3434014	+	WP_012917417, WP_012917417.1	hypothetical protein	57878254	XaFJ1_RS14400546	181		
2727	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3434162	3434404	+	WP_045757044, WP_045757044.1	DUF3297 family protein	57878255	XaFJ1_RS14405243	607		
2728	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3435003	3437096	+	WP_012917419, WP_012917419.1	fibronectin type III domain-containi	57878256	XaFJ1_RS144102094	89		
2729	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3437159	3437338	-	WP_049887196, WP_049887196.1	hypothetical protein	62675618	XaFJ1_RS15995180	51		
2730	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3437483	3437578	+	WP_155393205, WP_155393205.1	DUF3297 family protein	57878258	XaFJ1_RS1442096	39		
2731	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3437716	3439353	-	WP_012917422, WP_012917422.1	Na ⁺ /H ⁺ antiporter	57878259	XaFJ1_RS144251638	545		
2732	CDS													

2736	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3443446	3444441	+	WP_012917427, WP_012917427.1	aldo/keto reductase	57878264	XaFJ1_RS14450 996	331
2737	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3444469	3445170	+	WP_012917428, WP_012917428.1	glycosyltransferase	57878265	XaFJ1_RS14455 702	233
2738	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3445349	3445636	+	WP_045757045, WP_045757045.1	GDDEF domain-containing protein	57878266	XaFJ1_RS14460 1188	395
2739	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3446700	3449681	-	WP_012917430, WP_012917430.1	EAL domain-containing protein	57878267	XaFJ1_RS14465 2982	993
2740	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3450157	3450774	+	WP_012917431, WP_012917431.1	hypothetical protein	57878268	XaFJ1_RS14470 618	205
2741	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3451088	3453187	+	WP_045757047, WP_045757047.1	TonB-dependent siderophore recep	57878269	XaFJ1_RS14475 2100	699
2742	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3453284	3453502	-	WP_012917433, WP_012917433.1	hypothetical protein	57878270	XaFJ1_RS14480 219	72
2743	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3453483	3453932	-	WP_012917434, WP_012917434.1	type II 3-dehydroquinate dehydrat	57878271	XaFJ1_RS14485 450	149
2744	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3453943	3454365	-	WP_012917435, WP_012917435.1	hypothetical protein	57878272	XaFJ1_RS14490 423	140
2745	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3454563	3456155	+	WP_012917436, WP_012917436.1	APC family permease	57878273	XaFJ1_RS14495 1593	530
2746	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3456728	3458197	+	WP_161525201, WP_161525201.1	cellulase family glycosylhydrolase	57878274	XaFJ1_RS14500 1470	489
2747	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3459056	3460669	+	WP_161525203, WP_161525203.1	cellulase family glycosylhydrolase	57878276	XaFJ1_RS14510 1614	537
2748	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3461761	3461931	+	WP_155394565, WP_155394565.1	hypothetical protein	57878278	XaFJ1_RS14520 171	56
2749	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3462070	3463665	+	WP_161525204, WP_161525204.1	cellulase family glycosylhydrolase	57878279	XaFJ1_RS14525 1596	531
2750	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3465489	3466412	+	WP_155393750, WP_155393750.1	GAF domain-containing protein	57878281	XaFJ1_RS14535 924	307
2751	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3466604	3468295	+	WP_012917442, WP_012917442.1	alpha.alpha-treh treA	57878282	XaFJ1_RS14540 1692	563
2752	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3468644	3469459	+	WP_012917443, WP_012917443.1	transporter substrate-binding domi	57878283	XaFJ1_RS14545 816	271
2753	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3469898	3470609	-	WP_045757050, WP_045757050.1	magnesium transporter	57878284	XaFJ1_RS14550 921	306
2754	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3470691	3472067	-	WP_012917445, WP_012917445.1	D-serine/D-alanin cycA	57878285	XaFJ1_RS14555 1377	458
2755	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3472275	3473150	-	WP_012917446, WP_012917446.1	DMT family transporter	57878286	XaFJ1_RS14560 876	291
2756	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3473447	3474337	+	WP_012917447, WP_012917447.1	SAM-dependent methyltransferase	57878287	XaFJ1_RS14565 891	196
2757	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3474748	3475194	+	WP_012917448, WP_012917448.1	hypothetical protein	57878289	XaFJ1_RS14575 447	248
2758	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3475588	3477672	-	WP_045757052, WP_045757052.1	beta-galactosidase	57878290	XaFJ1_RS14580 2085	694
2759	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3478104	3478748	-	WP_012917451, WP_012917451.1	DUF2076 family protein	57878291	XaFJ1_RS14585 645	214
2760	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3479442	3480731	+	WP_012917452, WP_012917452.1	MFS transporter	57878292	XaFJ1_RS14590 1290	429
2761	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3480854	3482530	-	WP_012917453, WP_012917453.1	acid phosphatase acpA	57878293	XaFJ1_RS14595 1677	558
2762	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3482730	3483725	-	WP_045757053, WP_045757053.1	AI-2E family transporter	57878294	XaFJ1_RS14600 996	331
2763	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3484197	3486035	-	WP_012917455, WP_012917455.1	dihydroxy-acid di livD	57878295	XaFJ1_RS14605 1839	612
2764	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3486351	3486734	-	WP_049887197, WP_049887197.1	hypothetical protein	57878296	XaFJ1_RS14610 384	127
2765	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3487727	3487894	+	WP_080928228, WP_080928228.1	glycoside hydrolase family 25 prot	57878297	XaFJ1_RS14615 618	205
2766	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3488373	3489947	-	WP_012917459, WP_012917459.1	SDR family oxidoreductase	57878299	XaFJ1_RS14625 1575	524
2767	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3490218	3490775	-	WP_012917460, WP_012917460.1	ankyrin repeat domain-containing	57878300	XaFJ1_RS14630 558	185
2768	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3490849	3492372	-	WP_012917461, WP_012917461.1	catalase KatB katB	57878301	XaFJ1_RS14635 1524	507
2769	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3492716	3494845	-	WP_012917462, WP_012917462.1	ATP-dependent [d]nG	57878302	XaFJ1_RS14640 2130	709
2770	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3494868	3495716	-	WP_012917463, WP_012917463.1	shikimate dehydr aroE	57878303	XaFJ1_RS14645 849	282
2771	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3495769	3496668	+	WP_012917464, WP_012917464.1	PD40 domain-containing protein	57878304	XaFJ1_RS14650 900	299
2772	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3496822	3499326	-	WP_045757054, WP_045757054.1	sulfite reductase flavoprotein subu	57878305	XaFJ1_RS14655 2505	834
2773	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3499528	3500283	+	WP_012917466, WP_012917466.1	DNA/RNA non-specific endonuclea	57878306	XaFJ1_RS14660 756	251
2774	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3500411	3510403	-	WP_012917467, WP_012917467.1	porphobilinogen : hemB	57878307	XaFJ1_RS14665 993	330
2775	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3501603	3501851	-	NZ_CP046570.1 3501603	hypothetical protein	57878308	XaFJ1_RS14670 249	82
2776	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3502025	3502474	+	WP_012917469, WP_012917469.1	hypothetical protein	57878309	XaFJ1_RS14675 450	149
2777	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3502577	3504808	-	WP_012917470, WP_012917470.1	S9 family peptidase	57878310	XaFJ1_RS14680 2232	743
2778	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3504879	3505568	-	WP_012917471, WP_012917471.1	glutathione S-transferase N-termin	57878311	XaFJ1_RS14685 690	229
2779	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3505682	3506290	+	WP_012917472, WP_012917472.1	TIGR00645 family protein	57878312	XaFJ1_RS14690 609	202
2780	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3506477	3507493	+	WP_012917473, WP_012917473.1	energy transducer TonB	57878313	XaFJ1_RS14695 1017	338
2781	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3507607	3508797	-	WP_155393576, WP_155393576.1	ABC transporter permease	57878314	XaFJ1_RS14700 1191	396
2782	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3508785	3509531	-	WP_012917475, WP_012917475.1	ATP-binding cassette domain-cont	57878315	XaFJ1_RS14705 747	248
2783	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3509663	3511062	-	WP_045757055, WP_045757055.1	alpha/beta hydrolase	57878316	XaFJ1_RS14710 1500	499
2784	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3511187	3512047	-	WP_187388415, WP_187388415.1	ferredoxin-NADP reductase	57878317	XaFJ1_RS14715 861	286
2785	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3512035	3513036	+	WP_012917478, WP_012917478.1	ABC transporter ATP-binding prote	57878318	XaFJ1_RS14720 1002	333
2786	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3513053	3513868	+	WP_012917479, WP_012917479.1	ABC transporter permease	57878319	XaFJ1_RS14725 816	271
2787	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3513888	3514632	+	WP_012917480, WP_012917480.1	2-dehydropantoa panE	57878320	XaFJ1_RS14730 945	314
2788	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3514978	3515775	-	WP_012917481, WP_012917481.1	TatD family hydrolase	57878321	XaFJ1_RS14735 798	265
2789	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3515874	3518471	+	WP_045757056, WP_045757056.1	ATP-dependent f hrpB	57878322	XaFJ1_RS14740 2598	865
2790	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3518708	3519121	+	WP_045757057, WP_045757057.1	hypothetical protein	57878323	XaFJ1_RS14745 414	137
2791	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3519619	3521985	-	WP_161525205, WP_161525205.1	hypothetical protein	57878324	XaFJ1_RS14750 2367	788
2792	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3521982	3522836	-	WP_012917485, WP_012917485.1	hypothetical protein	62655619	XaFJ1_RS16000 855	284
2793	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3523181	3523465	-	WP_012917486, WP_012917486.1	hypothetical protein	57878326	XaFJ1_RS14760 285	94
2794	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3523497	3524033	-	WP_012917487, WP_012917487.1	pseudouridine synthase	57878327	XaFJ1_RS14765 537	178
2795	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3524121	3524975	-	WP_012917488, WP_012917488.1	class I SAM-dependent methyltran	57878328	XaFJ1_RS14770 855	284
2796	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3525143	3526102	+	WP_012917489, WP_012917489.1	aldo/keto reductase	57878329	XaFJ1_RS14775 960	319
2797	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3526099	3527136	+	WP_012917490, WP_012917490.1	NADP-dependent oxidoreductase	57878330	XaFJ1_RS14780 1038	345
2798	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3527622	3528491	+	WP_080931572, WP_080931572.1	helix-turn-helix domain-containing	57878331	XaFJ1_RS14785 870	289
2799	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3528674	3529177	+	WP_045757060, WP_045757060.1	DUF3526 domain-containing prote	57878332	XaFJ1_RS14790 1344	447
2800	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3529854	3531266	-	WP_012917493, WP_012917493.1	DUF3526 domain-containing prote	57878333	XaFJ1_RS14795 1413	470
2801	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3531263	3532000	-	WP_012917494, WP_012917494.1	ABC transporter ATP-binding prote	57878334	XaFJ1_RS14800 738	245
2802	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3532000	3534180	-	WP_045757061, WP_045757061.1	TonB-dependent receptor	57878335	XaFJ1_RS14805 2181	726
2803	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3534577	3534969	-	WP_012917496, WP_012917496.1	4-carboxymucon pcaC	57878336	XaFJ1_RS14810 393	130
2804	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3535012	3535791	-	WP_012917497, WP_012917497.1	3-oxoadipate enc pdaC	57878337	XaFJ1_RS14815 780	259
2805	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3535993	3537345	-	WP_012917498, WP_012917498.1	3-carboxy-cis,cis-muconate cyclois	57878338	XaFJ1_RS14820 1353	450
2806	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3537402	3537959	-	WP_012917499, WP_012917499.1	protocatechuate pcaG	57878339	XaFJ1_RS14825 558	185
2807	CDS	with_protein	GCF_00993159E Primary Assembl chromosome	NZ_CP046570.1 3537965	3538684	-	WP_012917500, WP_012917500.1	protocatechuate pcaH	57878340	XaFJ1_RS14830 720	239

2808	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3538759	3539967	-	WP_012917501.WP_012917501.1	3-oxoadipyl-CoA pcaf	57878341	XaFJ1_RS148351209	402
2809	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3539964	3540626	-	WP_012917502.WP_012917502.1	3-oxoacid CoA-transferase subunit	57878342	XaFJ1_RS14840663	220
2810	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3540623	3541312	-	WP_012917503.WP_012917503.1	3-oxoacid CoA-transferase subunit	57878343	XaFJ1_RS14845690	229
2811	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3541642	3542718	*	WP_012917504.WP_012917504.1	aromatic ring-hydroxylating dioxygenase	57878344	XaFJ1_RS148501077	358
2812	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3542744	3543493	+	WP_012917505.WP_012917505.1	GntR family transcriptional regulator	57878345	XaFJ1_RS14855750	249
2813	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3543548	3544531	+	WP_012917506.WP_012917506.1	PDR/VanB family oxidoreductase	57878346	XaFJ1_RS14860984	327
2814	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3544602	3545072	-	WP_012917507.WP_012917507.1	nuclear transport factor 2 family protein	57878347	XaFJ1_RS14865471	156
2815	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3545241	3545378	-	WP_155393864.WP_155393864.1	hypothetical protein	62675620	XaFJ1_RS16005138	45
2816	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3545491	3546675	-	WP_012917508.WP_012917508.1	4-hydroxybenzoate poba	57878348	XaFJ1_RS148701185	394
2817	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3546771	3547673	+	WP_045757425.WP_045757425.1	helix-turn-helix domain-containing protein	57878349	XaFJ1_RS14875903	300
2818	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3547855	3549030	-	WP_012917510.WP_012917510.1	benzaldehyde dehydrogenase	57878350	XaFJ1_RS148801476	491
2819	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3549499	3550512	-	WP_012917511.WP_012917511.1	transporter	57878351	XaFJ1_RS148851014	337
2820	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3550697	3551164	-	WP_045757427.WP_045757427.1	MarR family transcriptional regulator	57878352	XaFJ1_RS14890468	135
2821	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3551306	3552628	-	WP_012917513.WP_012917513.1	MFS transporter	57878353	XaFJ1_RS148951323	440
2822	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3553000	3554862	-	WP_012917514.WP_012917514.1	feruloyl-CoA synthase	57878354	XaFJ1_RS149001863	620
2823	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3554939	3555769	-	WP_012917515.WP_012917515.1	p-hydroxycinnamoyl CoA hydratase	57878355	XaFJ1_RS14905831	276
2824	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3556197	3557819	+	WP_012917516.WP_012917516.1	SulP family inorganic anion transporter	57878356	XaFJ1_RS149101623	540
2825	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3557909	3558952	-	WP_012917517.WP_012917517.1	GGDEF domain-containing protein	57878357	XaFJ1_RS149151044	347
2826	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3558540	3560526	+	WP_012917518.WP_012917518.1	type I-F CRISPR-cas1f	57878359	XaFJ1_RS14925987	328
2827	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3560523	3563924	+	WP_012917519.WP_012917519.1	type I-F CRISPR-cas3f	57878360	XaFJ1_RS149303402	1133
2828	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3564413	3565780	+	WP_012917520.WP_012917520.1	type I-F CRISPR-csy1	57878361	XaFJ1_RS149351368	455
2829	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3565777	3566760	+	WP_012917521.WP_012917521.1	type I-F CRISPR-csy2	57878362	XaFJ1_RS14940984	327
2830	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3566787	3567836	+	WP_012917522.WP_012917522.1	type I-F CRISPR-csy3	57878363	XaFJ1_RS149451050	349
2831	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3567846	3568412	+	WP_012917523.WP_012917523.1	type I-F CRISPR-cas6f	57878364	XaFJ1_RS14950567	188
2832	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3569958	3571032	-	WP_012917524.WP_012917524.1	hypothetical protein	57878365	XaFJ1_RS14955369	122
2833	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3570331	3571953	-	WP_049887198.WP_049887198.1	type IV secretory system conjugator	57878366	XaFJ1_RS149601623	540
2834	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3572169	3574652	-	WP_161525223.WP_161525223.1	DUF2235 domain-containing protein	57878367	XaFJ1_RS149652484	827
2835	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3574720	3575307	-	WP_012917527.WP_012917527.1	hypothetical protein	57878368	XaFJ1_RS14970588	195
2836	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3575637	3576227	-	WP_012917528.WP_012917528.1	hypothetical protein	57878369	XaFJ1_RS14975591	196
2837	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3576355	3576313	-	WP_012917529.WP_012917529.1	hypothetical protein	57878540	XaFJ1_RS15830177	58
2838	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3576557	3577132	-	WP_045757429.WP_045757429.1	hypothetical protein	57878370	XaFJ1_RS14980576	191
2839	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3578089	3580239	-	WP_045757064.WP_045757064.1	peptidyl-di-peptide dcp	57878371	XaFJ1_RS149852151	716
2840	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3580519	3581121	-	WP_012917532.WP_012917532.1	lysophospholipid acyltransferase	57878372	XaFJ1_RS14990603	200
2841	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3581125	3581556	-	WP_045757065.WP_045757065.1	aminoacyl-tRNA synthetase	57878373	XaFJ1_RS14995432	143
2842	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3581698	3582228	+	WP_012917534.WP_012917534.1	DUF2059 domain-containing protein	57878374	XaFJ1_RS15000531	176
2843	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3583147	3583290	+	WP_155393701.WP_155393701.1	hypothetical protein	57878376	XaFJ1_RS15010144	47
2844	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3583313	3584971	-	WP_012917536.WP_012917536.1	ubiquinone biosynthetic	57878377	XaFJ1_RS150151659	156
2845	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3584968	3585609	-	WP_012917537.WP_012917537.1	SCP2 sterol-binding domain-containing	57878378	XaFJ1_RS15020642	512
2846	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3585675	3586685	-	WP_012917538.WP_012917538.1	NAD-dependent epimerase/dehydratase	57878379	XaFJ1_RS150251011	336
2847	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3586926	3588572	-	WP_012917539.WP_012917539.1	AMP-binding protein	57878380	XaFJ1_RS150301647	546
2848	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3588682	3589056	+	WP_012917540.WP_012917540.1	YkgJ family cysteine cluster protein	57878381	XaFJ1_RS15035375	124
2849	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3589170	3589658	-	WP_012917541.WP_012917541.1	hypothetical protein	57878382	XaFJ1_RS15040489	162
2850	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3589930	3590835	-	WP_012917542.WP_012917542.1	alpha/beta fold hydrolase	57878383	XaFJ1_RS15045906	301
2851	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3591419	3592435	-	WP_012917543.WP_012917543.1	3-oxoacyl-ACP synthase III	57878384	XaFJ1_RS150501017	338
2852	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3592537	3592854	-	WP_012917544.WP_012917544.1	DUF4156 domain-containing protein	57878385	XaFJ1_RS15055318	105
2853	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3593333	3593713	+	WP_045757067.WP_045757067.1	hypothetical protein	57878386	XaFJ1_RS15060381	126
2854	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3593751	3594230	+	WP_012917546.WP_012917546.1	tRNA (uridine)34:trmL	57878387	XaFJ1_RS15065480	159
2855	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3594435	3595016	+	WP_012917547.WP_012917547.1	Ax21 family protein	57878388	XaFJ1_RS15070582	193
2856	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3595193	3596215	-	WP_012917548.WP_012917548.1	NAD(P)-dependent glycerol-3-phosphate	57878389	XaFJ1_RS150751023	340
2857	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3596234	3596752	-	WP_012917549.WP_012917549.1	protein-export ch secB	57878390	XaFJ1_RS15080519	172
2858	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3596841	3597275	-	WP_012917550.WP_012917550.1	rhodanese-like domain-containing	57878391	XaFJ1_RS15085435	144
2859	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3597329	3597748	-	WP_012917551.WP_012917551.1	hypothetical protein	57878392	XaFJ1_RS15090420	139
2860	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3597794	3598264	-	WP_045757432.WP_045757432.1	YitD C-terminal domain-containing	57878393	XaFJ1_RS15095471	156
2861	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3598298	3598983	+	WP_045757068.WP_045757068.1	uroporphyrinogen-III synthase	57878394	XaFJ1_RS15100786	261
2862	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3599198	3600178	+	WP_045757433.WP_045757433.1	uroporphyrinogen-III C-methyltransferase	57878395	XaFJ1_RS15105981	326
2863	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3600175	3601440	+	WP_012917555.WP_012917555.1	porphyrin biosynthesis protein	57878396	XaFJ1_RS151101266	421
2864	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3601577	3602857	-	WP_045757069.WP_045757069.1	acetyl-CoA C-acetyltransferase	57878397	XaFJ1_RS151151281	426
2865	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3602962	3603846	+	WP_045757070.WP_045757070.1	hypothetical protein	57878398	XaFJ1_RS15120885	294
2866	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3604187	3604780	-	WP_012917558.WP_012917558.1	superoxide dismutase family protein	57878399	XaFJ1_RS15125594	197
2867	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3605027	3606451	-	WP_012917559.WP_012917559.1	nitrogen regulative ntrC	57878400	XaFJ1_RS151301425	374
2868	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3606462	3607499	-	WP_045757071.WP_045757071.1	two-component sensor histidine kinase	57878401	XaFJ1_RS151351038	345
2869	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3607805	3609244	-	WP_012917561.WP_012917561.1	ammonium transporter	57878402	XaFJ1_RS151401440	479
2870	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3609267	3609605	-	WP_012917562.WP_012917562.1	P-II family nitrogen regulator	57878403	XaFJ1_RS15145339	112
2871	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3609935	3611344	-	WP_012917563.WP_012917563.1	type I glutamate-glnA	57878404	XaFJ1_RS151501410	469
2872	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3611571	3612362	+	WP_012917564.WP_012917564.1	undecaprenyl-diphosphate phosphatase	57878405	XaFJ1_RS15155792	263
2873	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3612427	3613038	-	WP_012917565.WP_012917565.1	YhbB/YbcL family Raf kinase inhibitor	57878406	XaFJ1_RS15160612	203
2874	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3613059	3615146	-	WP_012917566.WP_012917566.1	tetratricopeptide repeat protein	57878407	XaFJ1_RS151652088	695
2875	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3615215	3616207	-	WP_012917567.WP_012917567.1	alpha/beta fold hydrolase	57878408	XaFJ1_RS15170993	330
2876	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3616275	3617069	-	WP_012917568.WP_012917568.1	1-acyl-sn-glycerol-3-phosphate acyltransferase	57878409	XaFJ1_RS15175795	264
2877	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3617170	3617589	-	WP_012917569.WP_012917569.1	hottdog fold thioesterase	57878410	XaFJ1_RS15180420	139
2878	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3617692	3619683	-	WP_012917570.WP_012917570.1	phospholipase D family protein	57878411	XaFJ1_RS151851992	663
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2880	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3620291	3620767	-	WP_045757435.WP_045757435.1	histidine phosphatase family protei	57878413	XaFJ1_RS15195477	158
2881	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3620783	3621415	-	WP_012917573.WP_012917573.1	ParA family protein	57878414	XaFJ1_RS15200633	210
2882	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3621734	3622642	-	WP_012917574.WP_012917574.1	AEC family transporter	57878415	XaFJ1_RS15205909	302
2883	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3622749	3623381	-	WP_045757074.WP_045757074.1	tetratricopeptide repeat protein	57878416	XaFJ1_RS15210633	210
2884	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3623563	3627156	+	WP_045757436.WP_045757436.1	indolepyruvate ferredoxin oxidore	57878417	XaFJ1_RS152153594	1197
2885	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3627171	3627773	-	WP_012917577.WP_012917577.1	DUF938 domain-containing protei	57878418	XaFJ1_RS15220603	200
2886	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3627811	3627981	-	WP_012917578.WP_012917578.1	hypothetical protein	57878419	XaFJ1_RS15225171	561
2887	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3628091	3628906	-	WP_187388416.WP_187388416.1	EcsC family protein	57878420	XaFJ1_RS15230816	276
2888	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3628994	3630394	-	WP_012917580.WP_012917580.1	MFS transporter	57878421	XaFJ1_RS152351401	466
2889	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3631053	3631280	+	WP_045757438.WP_045757438.1	hypothetical protein	57878422	XaFJ1_RS15240228	75
2890	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3631554	3632027	-	WP_012917582.WP_012917582.1	hypothetical protein	57878423	XaFJ1_RS15245474	157
2891	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3632116	3632778	-	WP_012917583.WP_012917583.1	hemolysin III family protein	57878424	XaFJ1_RS15250663	829
2892	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3633278	3635767	+	WP_012917584.WP_012917584.1	DEAD/DEAH box helicase	57878425	XaFJ1_RS152552490	220
2893	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3636157	3636849	+	WP_045757439.WP_045757439.1	ribonuclease H-like domain-contain	57878426	XaFJ1_RS15260693	230
2894	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3637244	3637639	+	WP_012917586.WP_012917586.1	hypothetical protein	57878427	XaFJ1_RS15265396	131
2895	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3637829	3642286	+	WP_012917587.WP_012917587.1	glutamate synthase gltB	57878428	XaFJ1_RS152704458	1485
2896	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3642339	3643814	+	WP_012917588.WP_012917588.1	FAD-dependent oxidoreductase	57878429	XaFJ1_RS152751476	491
2897	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3644005	3644880	+	WP_012917589.WP_012917589.1	methylglyoxal synthase	57878430	XaFJ1_RS15280876	291
2898	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3650791	3651972	+	WP_012917590.WP_012917590.1	benzoate[H(+)] symporter BenE far	57878436	XaFJ1_RS153101182	393
2899	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3651994	3653904	-	WP_012917591.WP_012917591.1	GAF domain-containing protein	57878437	XaFJ1_RS153151911	636
2900	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3653901	3654500	-	WP_045757115.WP_045757115.1	biliverdin-producing heme oxygen	57878438	XaFJ1_RS15320600	199
2901	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3654716	3655582	-	WP_012917593.WP_012917593.1	D-hexose-6-phosphate mutarolase	57878439	XaFJ1_RS15325867	288
2902	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3655561	3656949	-	WP_012917594.WP_012917594.1	lytic murein transglycosylase	57878440	XaFJ1_RS153301389	462
2903	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3657034	3657426	-	WP_012917595.WP_012917595.1	YchJ family protein	57878441	XaFJ1_RS15335393	130
2904	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3657525	3658298	+	WP_045757456.WP_045757456.1	TSUP family transporter	57878442	XaFJ1_RS15340774	257
2905	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3659657	3663106	-	WP_012917598.WP_012917598.1	ATP-binding protein	57878445	XaFJ1_RS153553450	1149
2906	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3663188	3663895	-	WP_012917599.WP_012917599.1	DUF4194 domain-containing prote	57878446	XaFJ1_RS15360708	235
2907	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3663882	3665351	-	WP_012917600.WP_012917600.1	DUF3375 domain-containing prote	57878447	XaFJ1_RS153651470	489
2908	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3665429	3666031	-	WP_012917601.WP_012917601.1	GTP cyclohydrolase folE	57878448	XaFJ1_RS15370603	200
2909	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3666151	3667527	-	WP_012917602.WP_012917602.1	MFS transporter	57878449	XaFJ1_RS153751377	458
2910	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3667792	3669900	+	WP_012917603.WP_012917603.1	MCP four helix bundle domain-con	57878450	XaFJ1_RS153802109	702
2911	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3670084	3670992	+	WP_012917604.WP_012917604.1	hypothetical protein	57878451	XaFJ1_RS15385909	302
2912	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3671701	3672966	+	WP_012917605.WP_012917605.1	lipase	57878452	XaFJ1_RS153901266	421
2913	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3673800	3674450	+	WP_012917606.WP_012917606.1	DUF480 domain-containing protei	57878453	XaFJ1_RS15395651	216
2914	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3674651	3678432	+	WP_012917607.WP_012917607.1	autotransporter assembly complex	57878454	XaFJ1_RS154001782	593
2915	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3676447	3680271	+	WP_045757458.WP_045757458.1	translocation/assembly module Tar	57878455	XaFJ1_RS154053825	1274
2916	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3680645	3682129	-	WP_012917609.WP_012917609.1	NADP-dependent isocitrate dehydi	57878456	XaFJ1_RS154101485	494
2917	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3682234	3682523	+	WP_012917610.WP_012917610.1	winged helix-turn-helix domain-co	57878457	XaFJ1_RS15415300	98
2918	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3682846	3683106	-	WP_045757459.WP_045757459.1	hypothetical protein	57878458	XaFJ1_RS15420261	86
2919	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3683437	3683706	-	WP_045761604.WP_045761604.1	hypothetical protein	57878459	XaFJ1_RS15425270	89
2920	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3685149	3686180	-	WP_012917614.WP_012917614.1	patalin-like phospholipase family p	57878460	XaFJ1_RS154301032	343
2921	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3686448	3687770	+	WP_012917615.WP_012917615.1	amidohydrolase	57878461	XaFJ1_RS154351323	440
2922	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3687819	3688826	-	WP_012917616.WP_012917616.1	TIGR00266 family protein	57878462	XaFJ1_RS154401008	335
2923	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3688881	3689634	-	WP_012917617.WP_012917617.1	TerC family protein	57878463	XaFJ1_RS15445954	317
2924	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3690092	3691273	+	WP_012917618.WP_012917618.1	class I SAM-dependent rRNA metf	57878464	XaFJ1_RS154501182	393
2925	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3691841	3694996	+	WP_012917619.WP_012917619.1	TonB-dependent receptor	57878465	XaFJ1_RS154553156	1051
2926	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3695034	3695783	+	WP_012917620.WP_012917620.1	SapC family protein	57878466	XaFJ1_RS15460750	249
2927	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3695780	3696814	+	WP_012917621.WP_012917621.1	cupin-like domain-containing prote	57878467	XaFJ1_RS154651035	344
2928	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3696860	3698386	+	WP_187388457.WP_187388457.1	tryptophan 7-halogenase	57878468	XaFJ1_RS154701527	508
2929	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3698419	3699861	-	WP_012917623.WP_012917623.1	amino acid permease	57878469	XaFJ1_RS154751443	480
2930	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3699948	3700568	-	WP_012917624.WP_012917624.1	response regulator	57878470	XaFJ1_RS15480621	206
2931	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3700565	3701638	-	WP_012917625.WP_012917625.1	GHLK domain-containing protein	57878471	XaFJ1_RS154851074	357
2932	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3701684	3702412	-	WP_012917626.WP_012917626.1	MgtC/SapB family protein	57878472	XaFJ1_RS15490729	242
2933	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3702543	3703997	-	WP_012917627.WP_012917627.1	efflux transporter outer membrane	57878473	XaFJ1_RS154951455	484
2934	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3703994	3707098	-	WP_012917628.WP_012917628.1	CusA/CzcA family heavy metal effl	57878474	XaFJ1_RS155003105	1034
2935	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3707091	3708104	-	WP_187388417.WP_187388417.1	efflux RND transporter periplasmic	57878475	XaFJ1_RS155051014	337
2936	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3709880	3710692	+	WP_012917632.WP_012917632.1	bifunctional DNA mutM	57878477	XaFJ1_RS15515813	270
2937	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3710921	3712525	+	WP_012917633.WP_012917633.1	glucan biosynthesis protein D	57878478	XaFJ1_RS155201605	534
2938	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3712695	3713444	-	WP_012917634.WP_012917634.1	sel1 repeat family protein	57878479	XaFJ1_RS15525750	249
2939	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3713552	3714178	-	WP_012917635.WP_012917635.1	thymidine kinase	57878480	XaFJ1_RS15530627	208
2940	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3714312	3716288	+	WP_012917636.WP_012917636.1	DNA helicase Re rep	57878481	XaFJ1_RS155351977	658
2941	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3716409	3716807	-	WP_012917637.WP_012917637.1	EF-hand domain-containing protei	57878482	XaFJ1_RS15540399	132
2942	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3716944	3717686	+	WP_012917638.WP_012917638.1	ATP-binding cassette domain-cont	57878483	XaFJ1_RS15545843	280
2943	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3717857	3718297	-	WP_045757119.WP_045757119.1	helix-turn-helix transcriptional regu	57878484	XaFJ1_RS15550441	146
2944	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3718425	3719333	+	WP_012917640.WP_012917640.1	NAD(P)H-binding protein	57878485	XaFJ1_RS15555909	302
2945	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3719385	3720341	-	WP_012917641.WP_012917641.1	COG2958 family protein	57878486	XaFJ1_RS15560957	318
2946	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3720486	3721829	-	WP_012917642.WP_012917642.1	tRNA uridine-5-c:mnmE	57878487	XaFJ1_RS155651344	447
2947	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3721961	3723688	-	WP_012917643.WP_012917643.1	membrane protein yidC	57878488	XaFJ1_RS155701728	575
2948	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3723707	3724144	-	WP_012917644.WP_012917644.1	ribonuclease P protein component	57878489	XaFJ1_RS15575438	145
2949	CDS	with_protein	GCF_00993159f Primary Assembl chromosome	NZ_CP046570.1	3724183	3724323	-	WP_003469983.WP_003469983.1	50S ribosomal p rpmH	57878490	XaFJ1_RS15580141	46
2950	CDS	with_protein	GCF_00993159f Primary Assembl plasmid	pXaFJ1	1083	1793	-	WP_203417807.WP_203417807.1	hypothetical protein	62675621	XaFJ1_RS16010711	236
2951	CDS	with_protein	GCF_00993159f Primary Assembl plasmid	pXaFJ1	2626	3195	+	WP_014607				

2952	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	5269	5451	+	WP_161525231.1, WP_161525231.1	DUF2688 domain-containing prote	57878496	XaFJ1_RS15610	183	60	
2953	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	5620	5982	+	WP_014607074.1, WP_014607074.1	single-stranded [ssb	57878497	XaFJ1_RS15615	363	120	
2954	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	6074	6370	+	WP_049887143.1, WP_049887143.1	hypothetical protein	57878498	XaFJ1_RS15620	297	98	
2955	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	6363	6560	+	WP_014607076.1, WP_014607076.1	antitoxin VbhA family protein	57878499	XaFJ1_RS15625	198	65	
2956	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	6976	7902	+	WP_014607077.1, WP_014607077.1	Fic family protein	57878500	XaFJ1_RS15630	927	308	
2957	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	9149	9466	+	WP_014607079.1, WP_014607079.1	hypothetical protein	57878501	XaFJ1_RS15635	318	105	
2958	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	9518	9895	-	WP_014607080.1, WP_014607080.1	hypothetical protein	57878502	XaFJ1_RS15640	378	125	
2959	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	9905	10600	-	WP_014607081.1, WP_014607081.1	hypothetical protein	57878503	XaFJ1_RS15645	696	231	
2960	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	10610	11053	-	WP_014607082.1, WP_014607082.1	hypothetical protein	57878504	XaFJ1_RS15650	444	147	
2961	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	11437	11775	+	WP_014607083.1, WP_014607083.1	hypothetical protein	57878505	XaFJ1_RS15655	339	112	
2962	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	11779	13326	+	WP_014607084.1, WP_014607084.1	type IV secretion system DNA-binc	57878506	XaFJ1_RS15660	1548	515	
2963	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	13326	16196	+	WP_014607085.1, WP_014607085.1	conjugative relaxase	57878507	XaFJ1_RS15665	2871	956	
2964	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	16287	16733	+	WP_014607086.1, WP_014607086.1	antirestriction protein	57878508	XaFJ1_RS15670	447	148	
2965	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	16782	17072	+	WP_080931604.1, WP_080931604.1	transcriptional regulator	57878509	XaFJ1_RS15675	291	96	
2966	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	17031	17519	-	WP_014607088.1, WP_014607088.1	phospholipase D family protein	57878510	XaFJ1_RS15680	489	162	
2967	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	17578	18603	-	WP_014607089.1, WP_014607089.1	Flp pilus assemb tadA	57878511	XaFJ1_RS15685	1026	341	
2968	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	18593	19738	-	WP_014607090.1, WP_014607090.1	type IV secretion virB10	57878512	XaFJ1_RS15690	1146	381	
2969	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	19728	20627	-	WP_014607091.1, WP_014607091.1	TrbG/VirB9 family P-type conjugati	57878513	XaFJ1_RS15695	900	299	
2970	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	20629	21354	-	WP_045757467.1, WP_045757467.1	type IV secretion system protein	57878514	XaFJ1_RS15700	726	241	
2971	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	21645	22709	-	WP_014607093.1, WP_014607093.1	type IV secretion system protein	57878515	XaFJ1_RS15705	1065	354	
2972	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	22746	23084	-	WP_014607094.1, WP_014607094.1	EexN family lipoprotein	57878516	XaFJ1_RS15710	339	112	
2973	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	23087	23794	-	WP_045757463.1, WP_045757463.1	type IV secretion system protein	57878517	XaFJ1_RS15715	708	235	
2974	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	23882	26500	-	WP_014607096.1, WP_014607096.1	VirB4 family type IV secretion/conj	57878518	XaFJ1_RS15720	2619	872	
2975	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	26503	26817	-	WP_155393879.1, WP_155393879.1	VirB3 family type IV secretion syst	57878519	XaFJ1_RS15725	315	104	
2976	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	26843	27139	-	WP_014607098.1, WP_014607098.1	TrbC/VirB2 family protein	57878520	XaFJ1_RS15730	297	98	
2977	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	27383	28186	-	WP_014607100.1, WP_014607100.1	lytic transglycosylase domain-cont	57878521	XaFJ1_RS15735	804	267	
2978	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	28261	28512	+	WP_014607101.1, WP_014607101.1	H-NS histone family protein	57878522	XaFJ1_RS15740	252	83	
2979	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	28515	28886	+	WP_049887144.1, WP_049887144.1	hypothetical protein	57878523	XaFJ1_RS15745	372	123	
2980	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	29006	29674	+	WP_014607102.1, WP_014607102.1	recombinase family protein	57878524	XaFJ1_RS15750	669	222	
2981	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	29777	30229	+	WP_187388401.1, WP_187388401.1	hypothetical protein	57878525	XaFJ1_RS15755	453	150	
2982	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	30323	30532	+	WP_014607104.1, WP_014607104.1	type II toxin-antitoxin system RelE	57878526	XaFJ1_RS15760	300	99	
2983	CDS	with_protein	GCF_009931599 Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	30670	30990	+	WP_155393880.1, WP_155393880.1	hypothetical protein	57878527	XaFJ1_RS15765	321	106	
2984	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	36674	66848	+		hypothetical protein	57875426	XaFJ1_RS00260	175		pseudo
2985	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	166589	167181	+		ketosynthase	57875505	XaFJ1_RS00655	593		pseudo
2986	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	183945	185691	+		glucose-6-phosphate dehydrogen	57875520	XaFJ1_RS00730	1747		pseudo
2987	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	239667	240234	+		DNA-binding response regulator	57875570	XaFJ1_RS00980	568		pseudo
2988	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	281615	281776	-		glycoside hydrolase family 5 protei	57875594	XaFJ1_RS01100	162		partial;pseudo
2989	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	337775	337963	-		hypothetical protein	57875657	XaFJ1_RS01415	189		partial;pseudo
2990	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	416996	418036	+		tRNA (adenosine tsd)	57875725	XaFJ1_RS01755	1041		partial;pseudo
2991	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	433790	434092	-		hypothetical protein	57875739	XaFJ1_RS01825	303		partial;pseudo
2992	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	645290	646094	+		IS5 family transposase	57875962	XaFJ1_RS02940	805		pseudo
2993	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	649166	649268	+		ATP-binding protein	62675587	XaFJ1_RS15840	103		partial;pseudo
2994	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	657310	659042	+		phospholipase C, phosphocholine-	57875972	XaFJ1_RS02990	1733		pseudo
2995	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	677675	678697	+		IS3 family transposase	57875986	XaFJ1_RS03060	1023		partial;pseudo
2996	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	681925	682125	+		DUF2235 domain-containing prote	57875991	XaFJ1_RS03085	201		partial;pseudo
2997	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	683750	684484	-		IS3 family transposase	57875994	XaFJ1_RS03100	735		pseudo
2998	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	685021	685610	+		hypothetical protein	57875995	XaFJ1_RS03105	590		pseudo
2999	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	685940	686529	+		hypothetical protein	57875996	XaFJ1_RS03110	590		pseudo
3000	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	712859	713973	+		IS3 family transposase	57876020	XaFJ1_RS03230	1115		pseudo
3001	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	745506	746208	+		DDE-type integrase/transposase/r	57876043	XaFJ1_RS03345	703		pseudo
3002	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	869872	860058	-		IS3 family transposase	57876121	XaFJ1_RS03735	187		partial;pseudo
3003	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	866070	860282	+		transposase	57876122	XaFJ1_RS03740	213		partial;pseudo
3004	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	880875	881312	+		NUDIX domain-containing protein	57876139	XaFJ1_RS03825	438		partial;pseudo
3005	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	887686	888089	-		Glol/dh/MocA family oxidoreducta	57876146	XaFJ1_RS03860	404		pseudo
3006	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	940969	942549	-		hypothetical protein	57876196	XaFJ1_RS04110	1581		partial;pseudo
3007	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	950215	950635	+		transposase	57876203	XaFJ1_RS04145	421		pseudo
3008	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	951553	952107	-		M2 family metallopeptidase	57876205	XaFJ1_RS04155	555		partial;pseudo
3009	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1020447	1020542	-		IS5/IS1182 family transposase	57876268	XaFJ1_RS04470	96		partial;pseudo
3010	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1032664	1033058	-		IS3 family transposase	57876281	XaFJ1_RS04535	395		partial;pseudo
3011	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1047299	1048640	+		30S ribosomal pr rMO	57876291	XaFJ1_RS04585	1342		pseudo
3012	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1128630	1129271	-		helix-turn-helix domain-containi	57876365	XaFJ1_RS04955	642		pseudo
3013	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1131940	1132074	-		IS3 family transposase	57876368	XaFJ1_RS04970	135		partial;pseudo
3014	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1391444	1391806	-		transposase	57876547	XaFJ1_RS05865	363		partial;pseudo
3015	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1406295	1407428	-		hypothetical protein	57876559	XaFJ1_RS05925	1134		partial;pseudo
3016	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1448886	1449002	-		cytochrome c biogenesis protein C	57876602	XaFJ1_RS06140	117		partial;pseudo
3017	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1464917	1465543	+		hypothetical protein	57876616	XaFJ1_RS06210	627		pseudo
3018	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1508812	1509668	+		two-component system response r	57876653	XaFJ1_RS06395	1057		pseudo
3019	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1631132	1631428	+		transglutaminase	57876756	XaFJ1_RS06910	297		partial;pseudo
3020	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1638263	1640176	-		heme lyase CcmF/NrfE family sub	57876764	XaFJ1_RS06950	1914		partial;pseudo
3021	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1648187	1649232	+		IS3 family transposase	57876775	XaFJ1_RS07005	1046		partial;pseudo
3022	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1655069	1655833	-		IS5 family transposase	57876779	XaFJ1_RS07025	765		pseudo
3023	CDS	without_protein	GCF_009931599 Primary Assembl chromosome		NZ_CP046570.1	1657964	1658136	-		transposase	5787678				

3024	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1693012	1693131	+			transposase	57876815	XaFJ1_RS07205120		partial;pseudo
3025	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1693122	1693256	-			transposase	57876816	XaFJ1_RS07210135		partial;pseudo
3026	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1700273	1700391	-			MbH1 family NRPS accessory prot	62675595	XaFJ1_RS15688119		pseudo
3027	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1743051	1743377	+			hypothetical protein	57876850	XaFJ1_RS07380327		partial;pseudo
3028	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1792578	1792715	-			IS1595 family transposase	57876856	XaFJ1_RS07410138		partial;pseudo
3029	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1813698	1814585	-			replication protein C	57876878	XaFJ1_RS07520888		pseudo
3030	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1879019	1880243	-			tyrosine-type recombinase/integrat	57876940	XaFJ1_RS078331225		pseudo
3031	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1931490	1931588	-			pyridoxal kinase	57876984	XaFJ1_RS0805099		partial;pseudo
3032	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1941524	1941658	+			IS3 family transposase	57876996	XaFJ1_RS08110135		partial;pseudo
3033	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2032751	2033680	+			metalloregulator ArsR/SmtB family	57877076	XaFJ1_RS08510930		partial;pseudo
3034	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2065214	2065338	+			IS3 family transposase	57877104	XaFJ1_RS08650125		partial;pseudo
3035	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2118660	2119410	-			transposase	57877155	XaFJ1_RS08905751		partial;pseudo
3036	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2125566	2125805	+			IS3 family transposase	57877160	XaFJ1_RS08930240		partial;pseudo
3037	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2125928	2126931	+			IS3 family transposase	57877161	XaFJ1_RS089351004		pseudo
3038	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2134687	2134953	+			DUF2235 domain-containing prote	57877169	XaFJ1_RS08975267		partial;pseudo
3039	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2143610	2143856	-			IS3 family transposase	57877178	XaFJ1_RS09020247		partial;pseudo
3040	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2143926	2144728	+			IS3 family transposase	57877179	XaFJ1_RS09025803		partial;pseudo
3041	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2144464	2146235	+			IS110 family transposase	57877180	XaFJ1_RS090301290		pseudo
3042	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2146309	2146627	+			transposase	57877181	XaFJ1_RS09035319		partial;pseudo
3043	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2146654	2146840	-			DDE-type integrase/transposase(r	57877182	XaFJ1_RS09040187		partial;pseudo
3044	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2151388	2152066	-			IS3 family transposase	57877186	XaFJ1_RS09060679		partial;pseudo
3045	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2178282	2180470	+			peptidase domain-containing ABC	57877206	XaFJ1_RS091602189		pseudo
3046	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2271280	2271801	-			hypothetical protein	57877272	XaFJ1_RS09490522		partial;pseudo
3047	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2362921	2363622	+			DUF2867 domain-containing prote	57877353	XaFJ1_RS09895702		partial;pseudo
3048	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2392996	2395436	+			hypothetical protein	57877382	XaFJ1_RS100402441		pseudo
3049	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2398552	2398785	-			hypothetical protein	57877386	XaFJ1_RS10060234		partial;pseudo
3050	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2456287	2456667	+			peptidase M20	57877427	XaFJ1_RS10265381		partial;pseudo
3051	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2459831	2459959	-			AI-2E family transporter	57877432	XaFJ1_RS10290129		partial;pseudo
3052	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2524685	2524995	+			transposase	57877489	XaFJ1_RS10575311		pseudo
3053	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2618807	2620744	+			ATP-dependent DNA helicase	57877557	XaFJ1_RS109151938		partial;pseudo
3054	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2630255	2630576	+			pyrroloquinoline quinone biosynthe	57877563	XaFJ1_RS10945322		partial;pseudo
3055	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2650439	2651246	+			IS3 family transposase	57877582	XaFJ1_RS11040808		partial;pseudo
3056	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2651464	2652753	+			IS110 family transposase	57877583	XaFJ1_RS110451290		pseudo
3057	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2652843	2653079	+			transposase	57877584	XaFJ1_RS11050237		partial;pseudo
3058	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2664803	2665001	+			hypothetical protein	57877591	XaFJ1_RS11085199		partial;pseudo
3059	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2666440	2672253	-			hemagglutinin repeat-containing pr	57877595	XaFJ1_RS111055814		partial;pseudo
3060	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2726420	2726455	-			IS3 family transposase	62675603	XaFJ1_RS15920144		partial;pseudo
3061	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2771554	2772206	+			type IV secretion system protein	57877668	XaFJ1_RS11470653		pseudo
3062	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2772562	2773055	-			transposase	57877669	XaFJ1_RS11475494		partial;pseudo
3063	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2807585	2807881	+			AAA family ATPase	62675609	XaFJ1_RS15950297		partial;pseudo
3064	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2809180	2810006	+			IS3 family transposase	57877710	XaFJ1_RS11680827		pseudo
3065	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2880460	2880655	+			transposase	57877768	XaFJ1_RS11970198		partial;pseudo
3066	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2917779	2918648	+			fatty acid desaturase	57877799	XaFJ1_RS12125870		partial;pseudo
3067	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2937196	2937986	-			SGNH/GDSL hydrolase family prot	57877817	XaFJ1_RS12215791		pseudo
3068	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	2980657	2981512	+			LysR family transcriptional regulat	57877856	XaFJ1_RS12410856		pseudo
3069	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3071716	3072861	+			DUF3732 domain-containing prote	57877938	XaFJ1_RS128201146		partial;pseudo
3070	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3355324	3355860	+			vanw family protein	57878182	XaFJ1_RS14040537		partial;pseudo
3071	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3419929	3420845	+			IS3 family transposase	57878239	XaFJ1_RS14325917		pseudo
3072	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3424038	3424562	-			IS3 family transposase	57878243	XaFJ1_RS14345525		partial;pseudo
3073	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3426303	3426491	-			transposase	57878245	XaFJ1_RS14355189		partial;pseudo
3074	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3458405	3458554	+			ATP-binding protein	57878275	XaFJ1_RS14505150		partial;pseudo
3075	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3461085	3461552	+			ATP-binding protein	57878277	XaFJ1_RS14515468		partial;pseudo
3076	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3463899	3465293	+			insulinase family protein	57878280	XaFJ1_RS145301395		partial;pseudo
3077	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3474362	3474504	-			helix-turn-helix domain-containin	57878288	XaFJ1_RS14570143		partial;pseudo
3078	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3582449	3583144	-			pseudouridylyl synthase	57878375	XaFJ1_RS15005696		partial;pseudo
3079	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3658474	3659651	-			hypothetical protein	57878444	XaFJ1_RS153501178		pseudo
3080	CDS	without_protein	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	3708382	3708627	-			hypothetical protein	57878476	XaFJ1_RS15510246		partial;pseudo
3081	CDS	without_protein	GCF_009931596 Primary Assembl plasmid	pXaFJ1		1121	+			replication protein	57878491	XaFJ1_RS155851487		pseudo
3082	CDS	without_protein	GCF_009931596 Primary Assembl plasmid	pXaFJ1		2610	+			DNA-binding protein	57878493	XaFJ1_RS15595640		pseudo
3083	CDS	without_protein	GCF_009931596 Primary Assembl plasmid	pXaFJ1		5188	+			DUF945 domain-containing protei	57878495	XaFJ1_RS15605821		pseudo
3084	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	39472	39549	-				57875408	XaFJ1_RS0017078		
3085	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	226386	226461	+				57875554	XaFJ1_RS0090076		
3086	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	254920	254997	+				57875586	XaFJ1_RS0106078		
3087	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	439548	439623	+				57875746	XaFJ1_RS0186076		
3088	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	440668	440742	+				57875748	XaFJ1_RS0187075		
3089	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	531024	531098	-				57875850	XaFJ1_RS0238075		
3090	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	704820	704894	-				57876013	XaFJ1_RS0319575		
3091	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	763566	763641	+				57876054	XaFJ1_RS0340076		
3092	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	839883	840067	-				57876102	XaFJ1_RS03640185		
3093	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1246088	1246162	+		ssrS		57876418	XaFJ1_RS0522075		
3094	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1454581	1454665	+				57876610	XaFJ1_RS0618085		
3095	gene	ncRNA	GCF_009931596 Primary Assembl chromosome	NZ_CP046570.1	1687436	1687510	-				57876812	XaFJ1_RS0719075		

3528	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	516881	517531	+			rplC	57875824	XaFJ1_RS02250651		old_locus_tag=XaFJ1_GM000487
3529	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	517544	518149	+			rplD	57875825	XaFJ1_RS02255606		old_locus_tag=XaFJ1_GM000488
3530	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	518146	518445	+			rplW	57875826	XaFJ1_RS02260300		old_locus_tag=XaFJ1_GM000489
3531	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	518456	519283	+			rplB	57875827	XaFJ1_RS02265828		old_locus_tag=XaFJ1_GM000490
3532	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	519290	519559	+			rpsS	57875828	XaFJ1_RS02270270		old_locus_tag=XaFJ1_GM000491
3533	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	519572	519907	+			rplV	57875829	XaFJ1_RS02275336		old_locus_tag=XaFJ1_GM000492
3534	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	519925	520650	+			rpsC	57875830	XaFJ1_RS02280726		old_locus_tag=XaFJ1_GM000493
3535	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	520656	521069	+			rplP	57875831	XaFJ1_RS02285414		old_locus_tag=XaFJ1_GM000494
3536	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	521069	521254	+			rpmC	57875832	XaFJ1_RS02290186		old_locus_tag=XaFJ1_GM000495
3537	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	521266	521535	+			rpsQ	57875833	XaFJ1_RS02295270		old_locus_tag=XaFJ1_GM000496
3538	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	521550	521918	+			rplN	57875834	XaFJ1_RS02300369		old_locus_tag=XaFJ1_GM000497
3539	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	521934	522251	+			rplX	57875835	XaFJ1_RS02305318		old_locus_tag=XaFJ1_GM000498
3540	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	522263	522805	+			rplE	57875836	XaFJ1_RS02310543		old_locus_tag=XaFJ1_GM000499
3541	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	522871	523176	+			rpsN	57875837	XaFJ1_RS02315306		old_locus_tag=XaFJ1_GM000500
3542	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	523444	523842	+			rpsH	57875838	XaFJ1_RS02320399		old_locus_tag=XaFJ1_GM000501
3543	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	523859	524386	+			rplF	57875839	XaFJ1_RS02325528		old_locus_tag=XaFJ1_GM000502
3544	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	524482	524841	+			rplR	57875840	XaFJ1_RS02330360		old_locus_tag=XaFJ1_GM000503
3545	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	524996	525541	+			rpsE	57875841	XaFJ1_RS02335546		old_locus_tag=XaFJ1_GM000504
3546	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	525534	525725	+			rplD	57875842	XaFJ1_RS02340192		old_locus_tag=XaFJ1_GM000505
3547	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	525732	526175	+			rplO	57875843	XaFJ1_RS02345444		old_locus_tag=XaFJ1_GM000506
3548	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	526183	527553	+			secY	57875844	XaFJ1_RS023501371		old_locus_tag=XaFJ1_GM000507
3549	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	527893	528249	+			rpsM	57875845	XaFJ1_RS02355357		old_locus_tag=XaFJ1_GM000508
3550	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	528259	528651	+			rpsK	57875846	XaFJ1_RS02360393		old_locus_tag=XaFJ1_GM000509
3551	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	528666	529295	+			rpsD	57875847	XaFJ1_RS02365630		old_locus_tag=XaFJ1_GM000510
3552	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	529345	530343	+			rpoA	57875848	XaFJ1_RS02370999		old_locus_tag=XaFJ1_GM000511
3553	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	530636	531019	+			rplQ	57875849	XaFJ1_RS02375384		old_locus_tag=XaFJ1_GM000512
3554	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	531348	531860	+				57875851	XaFJ1_RS02385513		old_locus_tag=XaFJ1_GM000513
3555	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	532067	534187	-				57875852	XaFJ1_RS023902121		old_locus_tag=XaFJ1_GM000514
3556	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	534399	535796	-				57875853	XaFJ1_RS023951398		old_locus_tag=XaFJ1_GM000515
3557	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	535987	536469	-				57875854	XaFJ1_RS02400483		old_locus_tag=XaFJ1_GM000516
3558	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	536483	538312	-		typA		57875855	XaFJ1_RS024051830		old_locus_tag=XaFJ1_GM000517
3559	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	538517	539011	+				57875856	XaFJ1_RS02410495		old_locus_tag=XaFJ1_GM000518
3560	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	539118	539519	+				57875857	XaFJ1_RS02415402		old_locus_tag=XaFJ1_GM000519
3561	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	539533	540519	+				57875858	XaFJ1_RS02420987		old_locus_tag=XaFJ1_GM000520
3562	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	540673	543171	+				57875859	XaFJ1_RS024252499		old_locus_tag=XaFJ1_GM000521
3563	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	543387	543995	-				57875860	XaFJ1_RS02430609		old_locus_tag=XaFJ1_GM000522
3564	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	544123	544584	-				57875861	XaFJ1_RS02435462		old_locus_tag=XaFJ1_GM000523
3565	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	544885	546384	-				57875862	XaFJ1_RS024401500		old_locus_tag=XaFJ1_GM000524
3566	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	546480	547652	-				57875863	XaFJ1_RS024451173		old_locus_tag=XaFJ1_GM000525
3567	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	548208	549104	-				57875864	XaFJ1_RS02450897		old_locus_tag=XaFJ1_GM000527
3568	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	549128	551626	-				57875865	XaFJ1_RS024552499		old_locus_tag=XaFJ1_GM000528
3569	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	551740	552861	+				57875866	XaFJ1_RS024601122		old_locus_tag=XaFJ1_GM000529
3570	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	552952	554997	-				57875867	XaFJ1_RS024652046		old_locus_tag=XaFJ1_GM000530
3571	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	555182	556207	-				57875868	XaFJ1_RS024701026		old_locus_tag=XaFJ1_GM000531
3572	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	556861	557961	+				57875869	XaFJ1_RS024751101		old_locus_tag=XaFJ1_GM000532
3573	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	558226	558720	+				57875870	XaFJ1_RS02480495		old_locus_tag=XaFJ1_GM000533
3574	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	558766	559593	+				57875871	XaFJ1_RS02485828		old_locus_tag=XaFJ1_GM000534
3575	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	559798	561000	-				57875872	XaFJ1_RS024901203		old_locus_tag=XaFJ1_GM000535
3576	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	561190	562221	-		kbl		57875873	XaFJ1_RS024951032		old_locus_tag=XaFJ1_GM000536
3577	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	562371	564530	+				57875874	XaFJ1_RS025002160		old_locus_tag=XaFJ1_GM000537
3578	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	564687	565331	+				57875875	XaFJ1_RS02505645		old_locus_tag=XaFJ1_GM000538
3579	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	565446	566717	+		folC		57875876	XaFJ1_RS025101272		old_locus_tag=XaFJ1_GM000539
3580	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	566787	567893	+				57875877	XaFJ1_RS025151107		old_locus_tag=XaFJ1_GM000540
3581	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	567990	568742	+				57875878	XaFJ1_RS02520753		old_locus_tag=XaFJ1_GM000541
3582	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	568771	570237	+		purF		57875879	XaFJ1_RS025251467		old_locus_tag=XaFJ1_GM000542
3583	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	570311	571138	+				57875880	XaFJ1_RS02530828		old_locus_tag=XaFJ1_GM000543
3584	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	571413	572150	-		lpxH		57875881	XaFJ1_RS02535738		old_locus_tag=XaFJ1_GM000544
3585	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	572324	572851	-				57875882	XaFJ1_RS02540528		old_locus_tag=XaFJ1_GM000545
3586	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	572835	573968	-				57875883	XaFJ1_RS025451134		old_locus_tag=XaFJ1_GM000546
3587	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	574168	575694	-		ppx		57875884	XaFJ1_RS025501527		old_locus_tag=XaFJ1_GM000547
3588	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	575749	577845	-		ppk1		57875885	XaFJ1_RS025552097		old_locus_tag=XaFJ1_GM000548
3589	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	577857	579182	-		phoR		57875886	XaFJ1_RS025601326		old_locus_tag=XaFJ1_GM000549
3590	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	579249	579938	-		phoB		57875887	XaFJ1_RS02565690		old_locus_tag=XaFJ1_GM000550
3591	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	580022	581677	-				57875888	XaFJ1_RS025701656		old_locus_tag=XaFJ1_GM000551
3592	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	581817	582131	+		grxC		57875889	XaFJ1_RS02575315		old_locus_tag=XaFJ1_GM000552
3593	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	582128	582526	+				57875890	XaFJ1_RS02580399		old_locus_tag=XaFJ1_GM000553
3594	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	582897	583704	+				57875891	XaFJ1_RS025851008		old_locus_tag=XaFJ1_GM000554
3595	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	583792	584565	-				57875892	XaFJ1_RS02590774		old_locus_tag=XaFJ1_GM000555
3596	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	585562	586857	+				57875893	XaFJ1_RS026201296		old_locus_tag=XaFJ1_GM000556
3597	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	586993	587619	+		clpP		57875899	XaFJ1_RS02625627		old_locus_tag=XaFJ1_GM000557
3598	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	587749	589035	+		clpX		57875900	XaFJ1_RS026301287		old_locus_tag=XaFJ1_GM000558
3599	gene	protein_coding	GCF_009931599	Primary Assembl chromosome	NZ_CP046570.1	589206	591680	+		lon		57875901	XaFJ1_RS026352475		old_locus_tag=XaFJ1_GM000559

4752 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2086177	2086962	-				ksdB	57877122	XaFJ1_RS08740 786		old_locus_tag=XaFJ1_GM001798
4753 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2087238	2088275	-					57877123	XaFJ1_RS08745 1038		old_locus_tag=XaFJ1_GM001799
4754 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2088272	2090044	-				msbA	57877124	XaFJ1_RS08750 1773		old_locus_tag=XaFJ1_GM001800
4755 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2090041	2090478	-					57877125	XaFJ1_RS08755 438		old_locus_tag=XaFJ1_GM001801
4756 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2090483	2091154	-					57877126	XaFJ1_RS08760 672		old_locus_tag=XaFJ1_GM001802
4757 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2091048	2093597	-					57877127	XaFJ1_RS08765 2550		old_locus_tag=XaFJ1_GM001803
4758 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2093855	2094580	-				lolD	57877128	XaFJ1_RS08770 726		old_locus_tag=XaFJ1_GM001804
4759 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2094597	2095841	-					57877129	XaFJ1_RS08775 1245		old_locus_tag=XaFJ1_GM001805
4760 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2095866	2096318	-					57877130	XaFJ1_RS08780 453		old_locus_tag=XaFJ1_GM001806
4761 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2096269	2096517	-					57877131	XaFJ1_RS08785 249		old_locus_tag=XaFJ1_GM001807
4762 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2096651	2097433	-					57877132	XaFJ1_RS08790 783		old_locus_tag=XaFJ1_GM001808
4763 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2097450	2097647	-					57877133	XaFJ1_RS08795 198		old_locus_tag=XaFJ1_GM001809
4764 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2097667	2099467	-					57877134	XaFJ1_RS08800 1791		old_locus_tag=XaFJ1_GM001810
4765 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2099487	2099873	-				sdhD	57877135	XaFJ1_RS08805 387		old_locus_tag=XaFJ1_GM001811
4766 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2099870	2100262	-				sdhC	57877136	XaFJ1_RS08810 393		old_locus_tag=XaFJ1_GM001812
4767 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2100323	2100493	-					57877137	XaFJ1_RS08815 171		
4768 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2100532	2101398	+					57877138	XaFJ1_RS08820 867		old_locus_tag=XaFJ1_GM001813
4769 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2101419	2102507	-				ugpC	57877139	XaFJ1_RS08825 1089		old_locus_tag=XaFJ1_GM001814
4770 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2102951	2104387	+				zwf	57877140	XaFJ1_RS08830 1437		old_locus_tag=XaFJ1_GM001815
4771 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2104384	2105391	+					57877141	XaFJ1_RS08835 1008		old_locus_tag=XaFJ1_GM001816
4772 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2105388	2106107	+					57877142	XaFJ1_RS08840 720		old_locus_tag=XaFJ1_GM001817
4773 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2106218	2108134	+				pgl	57877143	XaFJ1_RS08845 1917		old_locus_tag=XaFJ1_GM001818
4774 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2108216	2108869	+					57877144	XaFJ1_RS08850 654		old_locus_tag=XaFJ1_GM001819
4775 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2109037	2111508	-					57877145	XaFJ1_RS08855 2472		old_locus_tag=XaFJ1_GM001820
4776 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2111677	2111988	-					57877146	XaFJ1_RS08860 312		old_locus_tag=XaFJ1_GM001821
4777 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2111981	2112382	-					57877147	XaFJ1_RS08865 402		old_locus_tag=XaFJ1_GM001822
4778 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2112456	2113331	-					57877148	XaFJ1_RS08870 876		
4779 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2113455	2114510	-				virB11	57877149	XaFJ1_RS08875 1056		old_locus_tag=XaFJ1_GM001823
4780 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2114529	2115704	-					57877150	XaFJ1_RS08880 1176		old_locus_tag=XaFJ1_GM001824
4781 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2115713	2116474	-					57877151	XaFJ1_RS08885 762		old_locus_tag=XaFJ1_GM001825
4782 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2116471	2117445	-					57877152	XaFJ1_RS08890 975		old_locus_tag=XaFJ1_GM001826
4783 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2117504	2117932	-					57877153	XaFJ1_RS08895 429		old_locus_tag=XaFJ1_GM001827
4784 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2119576	2122113	-					57877156	XaFJ1_RS08910 2538		
4785 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2122110	2122754	-					57877157	XaFJ1_RS08915 645		old_locus_tag=XaFJ1_GM001833
4786 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2123021	2123848	-					57877158	XaFJ1_RS08920 828		old_locus_tag=XaFJ1_GM001834
4787 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2123845	2125104	-					57877159	XaFJ1_RS08925 1260		
4788 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2127544	2128737	+					57877162	XaFJ1_RS08940 1194		old_locus_tag=XaFJ1_GM001841
4789 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2128831	2129859	+					57877163	XaFJ1_RS08945 1029		old_locus_tag=XaFJ1_GM001842
4790 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2130023	2130223	+					57877164	XaFJ1_RS08950 201		old_locus_tag=XaFJ1_GM001843
4791 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2130226	2130588	+					57877165	XaFJ1_RS08955 363		old_locus_tag=XaFJ1_GM001844
4792 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2130585	2132675	+					57877166	XaFJ1_RS08960 2091		old_locus_tag=XaFJ1_GM001845
4793 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2132672	2133226	+					57877167	XaFJ1_RS08965 555		old_locus_tag=XaFJ1_GM001846
4794 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2134032	2134619	+					57877168	XaFJ1_RS08970 588		old_locus_tag=XaFJ1_GM001847
4795 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2136862	2137128	+					57877170	XaFJ1_RS08980 267		
4796 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2137382	2137942	-					57877171	XaFJ1_RS08985 561		old_locus_tag=XaFJ1_GM001850
4797 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2138017	2138526	-					57877172	XaFJ1_RS08990 510		
4798 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2138570	2139682	-					57877173	XaFJ1_RS08995 1113		old_locus_tag=XaFJ1_GM001852
4799 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2140054	2140506	+					57877174	XaFJ1_RS09000 453		
4800 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2140679	2142697	-				uvrB	57877176	XaFJ1_RS09010 2019		old_locus_tag=XaFJ1_GM001853
4801 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2142845	2143381	+					57877177	XaFJ1_RS09015 537		
4802 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2143363	2143602	+					57878536	XaFJ1_RS15810 240		
4803 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2147053	2148207	-				hmpA	57877183	XaFJ1_RS09045 1155		old_locus_tag=XaFJ1_GM001862
4804 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2148252	2149483	-					57877184	XaFJ1_RS09050 1232		old_locus_tag=XaFJ1_GM001863
4805 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2149713	2151263	+				norR	57877185	XaFJ1_RS09055 1551		
4806 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2152223	2156338	-					57877187	XaFJ1_RS09065 4116		old_locus_tag=XaFJ1_GM001870
4807 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2157830	2159746	-					57877188	XaFJ1_RS09070 1917		old_locus_tag=XaFJ1_GM001872
4808 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2160080	2161342	-					57877189	XaFJ1_RS09075 1263		old_locus_tag=XaFJ1_GM001873
4809 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2161513	2162679	-				proB	57877190	XaFJ1_RS09080 1167		old_locus_tag=XaFJ1_GM001874
4810 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2162696	2162953	-					57877191	XaFJ1_RS09085 258		old_locus_tag=XaFJ1_GM001875
4811 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2163011	2164309	-				argH	57877192	XaFJ1_RS09090 1299		old_locus_tag=XaFJ1_GM001876
4812 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2164358	2165329	-					57877193	XaFJ1_RS09095 972		old_locus_tag=XaFJ1_GM001877
4813 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2165326	2165943	-					57877194	XaFJ1_RS09100 618		old_locus_tag=XaFJ1_GM001878
4814 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2165958	2167274	-					57877195	XaFJ1_RS09105 1317		old_locus_tag=XaFJ1_GM001879
4815 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2167331	2168428	-					57877196	XaFJ1_RS09110 1098		old_locus_tag=XaFJ1_GM001880
4816 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2168435	2168887	-					57877197	XaFJ1_RS09115 453		old_locus_tag=XaFJ1_GM001881
4817 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2169022	2170242	-					57877198	XaFJ1_RS09120 1221		old_locus_tag=XaFJ1_GM001882
4818 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2170309	2171343	-					57877199	XaFJ1_RS09125 1035		old_locus_tag=XaFJ1_GM001883
4819 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2171643	2172173	-					57877200	XaFJ1_RS09130 531		old_locus_tag=XaFJ1_GM001884
4820 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2172317	2173711	+					57877201	XaFJ1_RS09135 1395		old_locus_tag=XaFJ1_GM001885
4821 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2173758	2174198	+					57877202	XaFJ1_RS09140 441		old_locus_tag=XaFJ1_GM001886
4822 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2174195	2175442	+					57877203	XaFJ1_RS09145 1248		old_locus_tag=XaFJ1_GM001887
4823 gene	protein_coding	GCF_00993159.9 Primary Assembl chromosome	NZ_CP046570.1 2175465	2176574	-					57877204	XaFJ1_RS09150 1110		old_locus_tag=XaFJ1_GM001888

5616	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3177980	3178675	-			bioD	57878029	XaFJ1_RS13275	696		old_locus_tag=XaFJ1_GM002738
5617	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3178796	3179278	+				57878030	XaFJ1_RS13280	483		old_locus_tag=XaFJ1_GM002739
5618	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3179289	3179690	+				57878031	XaFJ1_RS13285	402		old_locus_tag=XaFJ1_GM002740
5619	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3180046	3181917	+			btuB	57878032	XaFJ1_RS13290	1872		old_locus_tag=XaFJ1_GM002741
5620	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3181997	3182650	-			gph	57878033	XaFJ1_RS13295	654		old_locus_tag=XaFJ1_GM002742
5621	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3182762	3183823	-			dinB	57878034	XaFJ1_RS13300	1062		old_locus_tag=XaFJ1_GM002743
5622	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3184106	3186130	-				57878035	XaFJ1_RS13305	2025		old_locus_tag=XaFJ1_GM002744
5623	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3186193	3187296	-				57878036	XaFJ1_RS13310	1104		old_locus_tag=XaFJ1_GM002745
5624	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3187470	3187943	-				57878037	XaFJ1_RS13315	474		old_locus_tag=XaFJ1_GM002746
5625	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3188469	3189287	-			queF	57878038	XaFJ1_RS13320	819		old_locus_tag=XaFJ1_GM002747
5626	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3189739	3190971	+				57878039	XaFJ1_RS13325	1233		old_locus_tag=XaFJ1_GM002748
5627	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3191227	3194460	+				57878040	XaFJ1_RS13330	3234		old_locus_tag=XaFJ1_GM002750
5628	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3194492	3197614	+				57878041	XaFJ1_RS13335	3123		old_locus_tag=XaFJ1_GM002751
5629	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3198163	3198648	+				57878043	XaFJ1_RS13345	486		old_locus_tag=XaFJ1_GM002752
5630	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3198680	3199981	-				57878044	XaFJ1_RS13350	1302		old_locus_tag=XaFJ1_GM002753
5631	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3200100	3201167	+			hpdD	57878045	XaFJ1_RS13355	1068		old_locus_tag=XaFJ1_GM002754
5632	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3201356	3201841	+				57878046	XaFJ1_RS13360	486		old_locus_tag=XaFJ1_GM002755
5633	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3201920	3202522	-				57878047	XaFJ1_RS13365	603		old_locus_tag=XaFJ1_GM002756
5634	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3202539	3204047	-				57878048	XaFJ1_RS13370	1509		old_locus_tag=XaFJ1_GM002757
5635	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3204133	3204372	+				57878049	XaFJ1_RS13375	240		
5636	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3204369	3205229	-				57878050	XaFJ1_RS13380	861		old_locus_tag=XaFJ1_GM002758
5637	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3205446	3205775	-				57878051	XaFJ1_RS13385	330		old_locus_tag=XaFJ1_GM002759
5638	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3206014	3206940	+				57878052	XaFJ1_RS13390	927		old_locus_tag=XaFJ1_GM002760
5639	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3207058	3208671	+				57878053	XaFJ1_RS13395	1614		old_locus_tag=XaFJ1_GM002761
5640	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3208777	3211164	-				57878054	XaFJ1_RS13400	2388		old_locus_tag=XaFJ1_GM002762
5641	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3211532	3212092	+				57878055	XaFJ1_RS13405	561		old_locus_tag=XaFJ1_GM002763
5642	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3212115	3213164	+			rimM	57878056	XaFJ1_RS13410	1050		old_locus_tag=XaFJ1_GM002764
5643	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3213238	3214353	-				57878057	XaFJ1_RS13415	1116		old_locus_tag=XaFJ1_GM002765
5644	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3214445	3215341	+				57878058	XaFJ1_RS13420	897		old_locus_tag=XaFJ1_GM002766
5645	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3215423	3216145	+				57878059	XaFJ1_RS13425	723		old_locus_tag=XaFJ1_GM002767
5646	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3216244	3216591	+				57878060	XaFJ1_RS13430	348		old_locus_tag=XaFJ1_GM002768
5647	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3217022	3218200	-				57878062	XaFJ1_RS13440	1179		old_locus_tag=XaFJ1_GM002769
5648	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3218197	3219411	-			ubiH	57878063	XaFJ1_RS13445	1215		old_locus_tag=XaFJ1_GM002770
5649	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3219788	3220492	+				57878064	XaFJ1_RS13450	705		
5650	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3220489	3221496	+				57878065	XaFJ1_RS13455	1008		
5651	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3221514	3222203	+				57878066	XaFJ1_RS13460	690		
5652	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3222382	3222966	+				57878067	XaFJ1_RS13465	585		old_locus_tag=XaFJ1_GM002773
5653	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3222973	3223527	+				57878068	XaFJ1_RS13470	555		old_locus_tag=XaFJ1_GM002774
5654	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3223552	3224457	+				57878069	XaFJ1_RS13475	906		old_locus_tag=XaFJ1_GM002775
5655	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3224474	3226912	+			lptD	57878070	XaFJ1_RS13480	2439		old_locus_tag=XaFJ1_GM002776
5656	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3226909	3228276	+				57878071	XaFJ1_RS13485	1368		old_locus_tag=XaFJ1_GM002777
5657	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3228280	3229254	+			pdxA	57878072	XaFJ1_RS13490	975		old_locus_tag=XaFJ1_GM002778
5658	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3229475	3230269	+			rsmA	57878073	XaFJ1_RS13495	795		old_locus_tag=XaFJ1_GM002779
5659	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3230363	3230746	+			apaG	57878074	XaFJ1_RS13500	384		old_locus_tag=XaFJ1_GM002780
5660	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3230757	3231668	-				57878075	XaFJ1_RS13505	912		old_locus_tag=XaFJ1_GM002781
5661	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3231690	3232199	-				57878076	XaFJ1_RS13510	510		old_locus_tag=XaFJ1_GM002782
5662	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3232187	3232537	-				57878077	XaFJ1_RS13515	351		old_locus_tag=XaFJ1_GM002783
5663	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3232534	3233328	-				57878078	XaFJ1_RS13520	795		old_locus_tag=XaFJ1_GM002784
5664	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3233325	3234203	-				57878079	XaFJ1_RS13525	879		old_locus_tag=XaFJ1_GM002785
5665	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3234385	3235131	-				57878080	XaFJ1_RS13530	747		old_locus_tag=XaFJ1_GM002786
5666	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3235171	3235551	-				57878081	XaFJ1_RS13535	381		old_locus_tag=XaFJ1_GM002787
5667	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3235454	3235750	-				57878539	XaFJ1_RS15825	297		
5668	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3235787	3237067	-				57878082	XaFJ1_RS13540	1281		old_locus_tag=XaFJ1_GM002788
5669	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3237176	3237889	-				57878083	XaFJ1_RS13545	714		old_locus_tag=XaFJ1_GM002789
5670	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3237985	3238644	-				57878084	XaFJ1_RS13550	660		old_locus_tag=XaFJ1_GM002790
5671	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3238776	3239378	+				57878085	XaFJ1_RS13555	603		old_locus_tag=XaFJ1_GM002791
5672	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3239375	3241858	+				57878086	XaFJ1_RS13560	2484		old_locus_tag=XaFJ1_GM002792
5673	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3241889	3242824	-				57878087	XaFJ1_RS13565	936		old_locus_tag=XaFJ1_GM002793
5674	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3242926	3245124	-				57878088	XaFJ1_RS13570	2199		old_locus_tag=XaFJ1_GM002794
5675	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3245266	3245466	-				57878089	XaFJ1_RS13575	201		old_locus_tag=XaFJ1_GM002795
5676	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3245654	3246625	-				57878090	XaFJ1_RS13580	972		old_locus_tag=XaFJ1_GM002796
5677	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3246819	3248117	+				57878091	XaFJ1_RS13585	1299		old_locus_tag=XaFJ1_GM002797
5678	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3248181	3249134	+				57878092	XaFJ1_RS13590	954		old_locus_tag=XaFJ1_GM002798
5679	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3249408	3249929	+				57878093	XaFJ1_RS13595	522		old_locus_tag=XaFJ1_GM002799
5680	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3250124	3252487	+				57878094	XaFJ1_RS13600	2364		old_locus_tag=XaFJ1_GM002800
5681	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3252579	3253577	+			usB	57878095	XaFJ1_RS13605	999		old_locus_tag=XaFJ1_GM002801
5682	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3253674	3254477	-				57878096	XaFJ1_RS13610	804		old_locus_tag=XaFJ1_GM002802
5683	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3254830	3256041	+				57878097	XaFJ1_RS13615	1212		old_locus_tag=XaFJ1_GM002803
5684	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3256165	3257388	-				57878098	XaFJ1_RS13620	1224		old_locus_tag=XaFJ1_GM002804
5685	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3257601	3260315	-			ppc	57878099	XaFJ1_RS13625	2715		old_locus_tag=XaFJ1_GM002805
5686	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3260679	3262124	+				57878100	XaFJ1_RS13630	1446		old_locus_tag=XaFJ1_GM002807
5687	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome	NZ_CP046570.1	3262302	3263069	-				57878101	XaFJ1_RS13635	768		old_loc

6048	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3716409	3716807	-							57878482	XaFJ1_RS15540_399		old_locus_tag=XaFJ1_GM003204
6049	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3716944	3717786	+							57878483	XaFJ1_RS15545_843		old_locus_tag=XaFJ1_GM003205
6050	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3717857	3718297	-							57878484	XaFJ1_RS15550_441		old_locus_tag=XaFJ1_GM003206
6051	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3718425	3719333	+							57878485	XaFJ1_RS15555_909		old_locus_tag=XaFJ1_GM003207
6052	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3719385	3720341	-							57878486	XaFJ1_RS15560_957		old_locus_tag=XaFJ1_GM003208
6053	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3720486	3721829	-			mmnE				57878487	XaFJ1_RS15565_1344		old_locus_tag=XaFJ1_GM003210
6054	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3721961	3723688	-			ydC				57878488	XaFJ1_RS15570_1728		old_locus_tag=XaFJ1_GM003211
6055	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3723707	3724144	-							57878489	XaFJ1_RS15575_438		old_locus_tag=XaFJ1_GM003212
6056	gene	protein_coding	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	3724183	3724323	-			rpmH				57878490	XaFJ1_RS15580_141		old_locus_tag=XaFJ1_GM003213
6057	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	1083	1793	-							62675621	XaFJ1_RS16010_711		
6058	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	2626	3195	+							57878494	XaFJ1_RS15600_570		old_locus_tag=XaFJ1_GM000003
6059	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	5269	5451	+							57878496	XaFJ1_RS15610_183		
6060	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	5620	5982	+			ssb				57878497	XaFJ1_RS15615_363		old_locus_tag=XaFJ1_GM000007
6061	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	6074	6370	+							57878498	XaFJ1_RS15620_297		old_locus_tag=XaFJ1_GM000008
6062	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	6363	6560	+							57878499	XaFJ1_RS15625_198		old_locus_tag=XaFJ1_GM000009
6063	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	6976	7902	+							57878500	XaFJ1_RS15630_927		old_locus_tag=XaFJ1_GM000011
6064	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	9149	9466	+							57878501	XaFJ1_RS15635_318		old_locus_tag=XaFJ1_GM000014
6065	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	9518	9895	-							57878502	XaFJ1_RS15640_378		old_locus_tag=XaFJ1_GM000015
6066	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	9905	10600	-							57878503	XaFJ1_RS15645_696		old_locus_tag=XaFJ1_GM000016
6067	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	10610	11053	-							57878504	XaFJ1_RS15650_444		old_locus_tag=XaFJ1_GM000017
6068	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	11437	11775	+							57878505	XaFJ1_RS15655_339		old_locus_tag=XaFJ1_GM000018
6069	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	11779	13326	+							57878506	XaFJ1_RS15660_1548		old_locus_tag=XaFJ1_GM000019
6070	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	13326	16196	+							57878507	XaFJ1_RS15665_2871		old_locus_tag=XaFJ1_GM000020
6071	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	16287	16733	+							57878508	XaFJ1_RS15670_447		
6072	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	16782	17072	+							57878509	XaFJ1_RS15675_291		
6073	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	17031	17519	-							57878510	XaFJ1_RS15680_489		old_locus_tag=XaFJ1_GM000021
6074	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	17578	18603	-							57878511	XaFJ1_RS15685_1026		old_locus_tag=XaFJ1_GM000022
6075	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	18593	19738	-			tafA				57878512	XaFJ1_RS15690_1146		old_locus_tag=XaFJ1_GM000023
6076	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	19728	20627	-			virB10				57878513	XaFJ1_RS15695_900		old_locus_tag=XaFJ1_GM000024
6077	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	20629	21354	-							57878514	XaFJ1_RS15700_726		old_locus_tag=XaFJ1_GM000025
6078	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	21645	22709	-							57878515	XaFJ1_RS15705_1065		old_locus_tag=XaFJ1_GM000026
6079	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	22746	23084	-							57878516	XaFJ1_RS15710_339		old_locus_tag=XaFJ1_GM000027
6080	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	23087	23794	-							57878517	XaFJ1_RS15715_708		old_locus_tag=XaFJ1_GM000028
6081	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	23882	26500	-							57878518	XaFJ1_RS15720_2619		old_locus_tag=XaFJ1_GM000029
6082	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	26503	28817	-							57878519	XaFJ1_RS15725_315		old_locus_tag=XaFJ1_GM000030
6083	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	26843	27139	-							57878520	XaFJ1_RS15730_297		old_locus_tag=XaFJ1_GM000031
6084	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	27383	28186	-							57878521	XaFJ1_RS15735_804		
6085	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	28261	28512	+							57878522	XaFJ1_RS15740_252		old_locus_tag=XaFJ1_GM000032
6086	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	28515	28886	+							57878523	XaFJ1_RS15745_372		
6087	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	29006	29674	+							57878524	XaFJ1_RS15750_669		old_locus_tag=XaFJ1_GM000034
6088	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	29777	30229	+							57878525	XaFJ1_RS15755_453		old_locus_tag=XaFJ1_GM000035
6089	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	30233	30532	+							57878526	XaFJ1_RS15760_300		old_locus_tag=XaFJ1_GM000036
6090	gene	protein_coding	GCF_00993159.9	Primary Assembl plasmid	pXaFJ1	NZ_CP046571.1	30670	30990	+							57878527	XaFJ1_RS15765_321		
6091	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	66674	66848	+							57875426	XaFJ1_RS00260_175		pseudo
6092	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	166589	167181	+							57875505	XaFJ1_RS00655_593		pseudo
6093	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	183945	185691	+							57875520	XaFJ1_RS00730_1747		pseudo;old_locus_tag=XaFJ1_GM000191
6094	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	239667	240234	+							57875570	XaFJ1_RS00980_568		pseudo;old_locus_tag=XaFJ1_GM000241
6095	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	261615	261776	-							57875594	XaFJ1_RS01100_162		partial;pseudo;old_locus_tag=XaFJ1_GM000265
6096	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	337775	337963	-							57875657	XaFJ1_RS01415_189		partial;pseudo
6097	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	416996	418036	+							57875725	XaFJ1_RS01755_1041		partial;pseudo;old_locus_tag=XaFJ1_GM000393
6098	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	433790	434092	-							57875739	XaFJ1_RS01825_303		partial;pseudo;old_locus_tag=XaFJ1_GM000408
6099	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	645290	646094	+							57875962	XaFJ1_RS02940_805		pseudo
6100	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	649166	649268	+							62675587	XaFJ1_RS15840_103		partial;pseudo
6101	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	657310	659042	+							57875972	XaFJ1_RS02990_1733		pseudo;old_locus_tag=XaFJ1_GM000625
6102	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	677675	678697	+							57875986	XaFJ1_RS03060_1023		partial;pseudo
6103	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	681925	682125	+							57875991	XaFJ1_RS03085_201		partial;pseudo;old_locus_tag=XaFJ1_GM000648
6104	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	683750	684484	-							57875994	XaFJ1_RS03100_735		pseudo
6105	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	685021	685610	+							57875995	XaFJ1_RS03105_590		pseudo
6106	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	685940	686529	+							57875996	XaFJ1_RS03110_590		pseudo
6107	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	712859	713973	+							57876020	XaFJ1_RS03230_1115		pseudo
6108	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	745506	746208	+							57876043	XaFJ1_RS03345_703		pseudo
6109	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	859872	860058	-							57876121	XaFJ1_RS03735_187		partial;pseudo
6110	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	860070	860282	+							57876122	XaFJ1_RS03740_213		partial;pseudo;old_locus_tag=XaFJ1_GM000785
6111	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	880875	881312	+							57876139	XaFJ1_RS03825_438		partial;pseudo;old_locus_tag=XaFJ1_GM000803
6112	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	887686	888089	-							57876146	XaFJ1_RS03860_404		pseudo
6113	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	940969	942549	-							57876196	XaFJ1_RS04110_1581		partial;pseudo;old_locus_tag=XaFJ1_GM000858
6114	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	950215	950635	+							57876203	XaFJ1_RS04145_421		pseudo
6115	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP046570.1	951553	952107	-							57876205	XaFJ1_RS04155_555		partial;pseudo;old_locus_tag=XaFJ1_GM000866
6116	gene	pseudogene	GCF_00993159.9	Primary Assembl chromosome		NZ_CP0465													

6264	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2284995	2285071	-		sX9 sRNA	57877280	XaFJ1_RS0953077		
6265	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2321971	2322046	+		sX9 sRNA	57877318	XaFJ1_RS0972076		
6266	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2533024	2533098	-		sX9 sRNA	57877497	XaFJ1_RS1061575		
6267	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2535765	2535840	+		sX9 sRNA	57877501	XaFJ1_RS1063576		
6268	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2863345	2863420	-		sX9 sRNA	57877523	XaFJ1_RS1189576		
6269	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2947942	2948018	-		sX9 sRNA	57877825	XaFJ1_RS1225577		
6270	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3216837	3216913	+		sX9 sRNA	57878061	XaFJ1_RS1343577		
6271	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3327608	3327680	+		sX9 sRNA	57878158	XaFJ1_RS1392073		
6272	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3487899	3487974	-		sX9 sRNA	57878298	XaFJ1_RS1462076		
6273	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3559292	3559368	+		sX9 sRNA	57878358	XaFJ1_RS1492077		
6274	ncRNA	other	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3658303	3658378	-		sX9 sRNA	57878443	XaFJ1_RS1534576		
6275	ncRNA	RNase_P_RNA	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3296527	3296970	-		RNase P RNA cc mpB	57878130	XaFJ1_RS13780444		
6276	ncRNA	SRP_RNA	GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	605863	605959	-		signal recognitiorf fs	57875923	XaFJ1_RS0274597		
6277	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	381793	383337	+		16S ribosomal RNA	57875693	XaFJ1_RS015951545		
6278	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	383815	386693	+		23S ribosomal RNA	57875696	XaFJ1_RS016102879		
6279	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	386852	386966	+		5S ribosomal RN rrf	57875697	XaFJ1_RS01615115		
6280	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3645015	3645129	-		5S ribosomal RN rrf	57878431	XaFJ1_RS15285115		
6281	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3645288	3648167	-		23S ribosomal RNA	57878432	XaFJ1_RS152902880		
6282	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3648465	3650189	-		16S ribosomal RNA	57878435	XaFJ1_RS153051545		
6283	tmRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1941131	1941482	-		transfer-messen ^{er} srrA	57876995	XaFJ1_RS08105352		
6284	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	230234	230309	+		tRNA-Thr	57875560	XaFJ1_RS0093076		anticodon=TGT
6285	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	267152	267226	-		tRNA-Gln	57875601	XaFJ1_RS0113575		anticodon=CTG
6286	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	267268	267344	-		tRNA-Met	57875602	XaFJ1_RS0114077		anticodon=CAT
6287	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	346610	346686	+		tRNA-Arg	57875666	XaFJ1_RS0146077		anticodon=CCG
6288	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	383426	383501	+		tRNA-Ala	57875694	XaFJ1_RS0160076		anticodon=TCG
6289	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	383516	383592	+		tRNA-Ile	57875695	XaFJ1_RS0160577		anticodon=GAT
6290	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	493157	493233	+		tRNA-Gln	57875800	XaFJ1_RS0213077		anticodon=TTG
6291	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	497067	497152	+		tRNA-Tyr	57875805	XaFJ1_RS0215586		anticodon=GTA
6292	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	497185	497258	+		tRNA-Gly	57875806	XaFJ1_RS0216074		anticodon=TCC
6293	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	497297	497372	+		tRNA-Thr	57875807	XaFJ1_RS0216576		anticodon=GGT
6294	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	498776	498851	+		tRNA-Trp	57875809	XaFJ1_RS0217576		anticodon=CCA
6295	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	584723	584799	+		tRNA-Pro	57875893	XaFJ1_RS0259977		anticodon=TTG
6296	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	584843	584919	+		tRNA-Arg	57875894	XaFJ1_RS0260077		anticodon=TCT
6297	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	584955	585031	+		tRNA-His	57875895	XaFJ1_RS0260577		anticodon=GTG
6298	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	585108	585183	+		tRNA-Lys	57875896	XaFJ1_RS0261076		anticodon=CTT
6299	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	585276	585360	+		tRNA-Leu	57875897	XaFJ1_RS0261585		anticodon=TAG
6300	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	592190	592264	+		tRNA-Val	57875903	XaFJ1_RS0264575		anticodon=TAC
6301	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	592292	592368	+		tRNA-Asp	57875904	XaFJ1_RS0265077		anticodon=GTC
6302	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	592489	592565	+		tRNA-Asp	57875905	XaFJ1_RS0265577		anticodon=GTC
6303	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	599912	600002	+		tRNA-Ser	57875913	XaFJ1_RS0269591		anticodon=CGA
6304	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	606063	606155	-		tRNA-Ser	57875924	XaFJ1_RS0275093		anticodon=GGA
6305	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	628159	628233	+		tRNA-Val	57875949	XaFJ1_RS0287575		anticodon=CAC
6306	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	993491	993566	+		tRNA-Thr	57876246	XaFJ1_RS0436076		anticodon=CGT
6307	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1074420	1074504	+		tRNA-Leu	57876316	XaFJ1_RS0471085		anticodon=GAG
6308	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1089830	1089906	+		tRNA-Met	57876331	XaFJ1_RS0478577		anticodon=CAT
6309	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1220645	1220721	+		tRNA-Pro	57876397	XaFJ1_RS0511577		anticodon=GGG
6310	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1229475	1229550	+		tRNA-Phe	57876404	XaFJ1_RS0515076		anticodon=GAA
6311	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1326820	1326912	+		tRNA-Ser	57876491	XaFJ1_RS0558593		anticodon=GCT
6312	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1328845	1328921	-		tRNA-Arg	57876493	XaFJ1_RS0559577		anticodon=ACG
6313	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1358363	1358437	+		tRNA-Glu	57876517	XaFJ1_RS0571575		anticodon=CTC
6314	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1393498	1393574	+		tRNA-Arg	57876550	XaFJ1_RS0598077		anticodon=CCT
6315	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1442458	1442534	+		tRNA-Asn	57876595	XaFJ1_RS0610577		anticodon=GTT
6316	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1442885	1442961	-		tRNA-Pro	57876596	XaFJ1_RS0611077		anticodon=CGG
6317	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1801886	1801961	-		tRNA-Glu	57876863	XaFJ1_RS0744576		anticodon=TTT
6318	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1802006	1802081	-		tRNA-Ala	57876864	XaFJ1_RS0745076		anticodon=GGC
6319	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1802186	1802261	-		tRNA-Glu	57876865	XaFJ1_RS0745576		anticodon=TTT
6320	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1802306	1802381	-		tRNA-Ala	57876866	XaFJ1_RS0746076		anticodon=GGC
6321	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1880429	1880515	-		tRNA-Leu	57876941	XaFJ1_RS0783587		anticodon=CAA
6322	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	1955280	1955369	-		tRNA-Ser	57877009	XaFJ1_RS0817590		anticodon=TGA
6323	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2080512	2080587	+		tRNA-Gly	57877115	XaFJ1_RS0870576		anticodon=GCC
6324	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2080953	2081028	-		tRNA-Cys	57877116	XaFJ1_RS0871074		anticodon=GCA
6325	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2081661	2081736	-		tRNA-Gly	57877117	XaFJ1_RS0871576		anticodon=GCC
6326	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2140508	2140583	-		tRNA-Val	57877175	XaFJ1_RS0900575		anticodon=GAC
6327	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2307542	2307626	-		tRNA-Leu	57877306	XaFJ1_RS0966085		anticodon=CAG
6328	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2308510	2308584	+		tRNA-Leu	57877308	XaFJ1_RS0967085		anticodon=CAG
6329	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2402709	2402784	+		tRNA-Ala	57877390	XaFJ1_RS1008076		anticodon=CGC
6330	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2640798	2640871	-		tRNA-Gly	57877571	XaFJ1_RS1098574		anticodon=CCC
6331	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	2831226	2831301	-		tRNA-Lys	57877721	XaFJ1_RS1173576		anticodon=TTT
6332	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3085651	3085727	-		tRNA-Ile	57877952	XaFJ1_RS1289077		anticodon=CAT
6333	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3648390	3648466	-		tRNA-Ile	57878433	XaFJ1_RS1529577		anticodon=GAT
6334	rRNA		GCF_009931596	Primary Assembl chromosome	NZ_CP046570.1	3648481	3648556	-		tRNA-Ala	57878434	XaFJ1_RS1530076		anticodon=TGC