

Table S5. List and description of disease-associated SNPs identified in this study.

locus tag	gene	description	disease-associated nucleotide	type	position	CC
Cj1309c		hypothetical protein	G	Nonsynonymous SNP	1239194	ST-45
			C	Nonsynonymous SNP	1239245	ST-45
Cj1364c	<i>fumC</i>	fumarate hydratase	A	Synonymous SNP	1297201	ST-45
			G	Synonymous SNP	1297279	ST-45
			C	Synonymous SNP	1297333	ST-45
Cj1366c	<i>glmS</i>	D-fructose-6-phosphate amidotransferase	C	Synonymous SNP	1300870	ST-45
			G	Nonsynonymous SNP	1300914	ST-45
			T	Synonymous SNP	1301527	ST-45
			C	Synonymous SNP	1301770	ST-45
			G	Synonymous SNP	1301809	ST-45
			T	Synonymous SNP	1301818	ST-45
			C	Synonymous SNP	1301833	ST-45
			G	Synonymous SNP	1302031	ST-45
			T	Synonymous SNP	1302088	ST-45
Cj1367c		possible nucleotidyltransferase	G	Synonymous SNP	1302788	ST-45
			C	Synonymous SNP	1302953	ST-45
			T	Synonymous SNP	1304071	ST-45
			A	Synonymous SNP	1304078	ST-45
			T	Synonymous SNP	1304222	ST-45
			T	Synonymous SNP	1304312	ST-45
Cj1368		hypothetical protein	C	Synonymous SNP	1305249	ST-45
			C	Synonymous SNP	1305267	ST-45
			A	Synonymous SNP	1305330	ST-45
			A	Synonymous SNP	1305366	ST-45
			C	Synonymous SNP	1305369	ST-45
			G	Synonymous SNP	1305414	ST-45
			C	Synonymous SNP	1305945	ST-45
Cj1373		putative integral membrane protein	C	Synonymous SNP	1311440	ST-45
			G	Synonymous SNP	1311539	ST-45
			A	Nonsynonymous SNP	1311588	ST-45
			C	Nonsynonymous SNP	1311729	ST-45
Cj1375		putative efflux protein	G	Synonymous SNP	1312941	ST-45
			T	Synonymous SNP	1313097	ST-45
			A	Synonymous SNP	1313292	ST-45
			A	Nonsynonymous SNP	1313423	ST-45
Cj1377c		putative ferredoxin	T	Synonymous SNP	1314934	ST-45
			A	Synonymous SNP	1315285	ST-45
			C	Synonymous SNP	1315300	ST-45
			G	Nonsynonymous SNP	1315360	ST-45
			A	Nonsynonymous SNP	1315362	ST-45
			G	Synonymous SNP	1315543	ST-45
			G	Synonymous SNP	1315606	ST-45

			A	Synonymous SNP	1315612	ST-45
			C	Nonsynonymous SNP	1315958	ST-45
			G	Nonsynonymous SNP	1316103	ST-45
			A	Nonsynonymous SNP	1316217	ST-45
Cj1378	<i>selA</i>	selenocysteine synthase	C	Synonymous SNP	1316627	ST-45
Cj0143c	<i>znuA</i>	periplasmic solute binding protein for ABC transport system	A	Synonymous SNP	146027	ST-21
			C	Nonsynonymous	146197	ST-21
			C	Synonymous SNP	146483	ST-21
			A	Nonsynonymous	146494	ST-21
Cj0576	<i>lpxD</i>	UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase	T	Synonymous SNP	537694	ST-21
Cj0625	<i>hypD</i>	hydrogenase isoenzyme formation protein	T	Synonymous SNP	585623	ST-21
			G	Nonsynonymous	585624	ST-21
Cj0694	<i>ppiD</i>	putative periplasmic protein	G	Nonsynonymous SNP	651484	ST-21
			C	Synonymous SNP	651600	ST-21
Cj1048c	<i>dapE</i>	succinyl-diaminopimelate desuccinylase	T	Synonymous SNP	980740	ST-21
Cj1049c		putative integral membrane protein	T	Synonymous SNP	981868	ST-21
			A	Synonymous SNP	981919	ST-21
			T	Nonsynonymous	982043	ST-21
			T	Synonymous SNP	982117	ST-21
			A	Synonymous SNP	982165	ST-21
			A	Synonymous SNP	982195	ST-21
			C	Synonymous SNP	982219	ST-21
Cj1161c		putative cation-transporting ATPase	A	Synonymous SNP	1092446	ST-21
			A	Nonsynonymous	1092450	ST-21
Cj1414c	<i>kpsC</i>	possible polysaccharide modification protein	C	Nonsynonymous SNP	1347654	ST-21
Cj1444c	<i>kpsD</i>	putative capsule polysaccharide export system periplasmic protein	T	Synonymous SNP	1384080	ST-21
Cj1569c	<i>nuoK</i>	NADH dehydrogenase I chain K	A	Synonymous SNP	1501282	ST-21
			C	Synonymous SNP	1501285	ST-21