

Supplementary Table 7. K12/K37 versus K12+Stx104 phage gene expression signature.

gene name	reference name	strand	start position	end position	K12+ ϕ Stx104_sample1	K12+ ϕ Stx104_sample2	K12_sample1	K12_sample2	K12_sample3	log2 fold change	log10 p value	log10 FDR
thrL	gi 49175990 ref NC_000913.2	+	190	255	676.3046716	328.3370127	524.5676513	865.2570619	924.9799468	-0.549652184	1.533177025	0.851146
thrA	gi 49175990 ref NC_000913.2	+	337	2799	846.543033	754.0927012	496.5075528	391.4465379	380.4902868	0.949910543	4.43682333	3.2402087
thrB	gi 49175990 ref NC_000913.2	+	2801	3733	538.3025029	524.279773	538.0862674	502.2260752	428.7790067	0.12884348	0.234002201	0.0828767
thrC	gi 49175990 ref NC_000913.2	+	3734	5020	1108.572068	1130.280982	872.3548293	804.943982	687.9142554	0.511127278	1.685288518	0.9685809
yaaX	gi 49175990 ref NC_000913.2	+	5234	5530	128.0800003	127.2680478	105.4737006	133.2647852	127.8069871	0.055136598	0.103772918	0.0277229
yaaA	gi 49175990 ref NC_000913.2	-	5683	6459	476.8506766	476.8506766	350.7797937	381.2180882	421.5724275	0.213082298	0.555494352	0.2405783
yaaJ	gi 49175990 ref NC_000913.2	-	6529	7959	586.4132846	658.2693282	1165.951389	1199.466107	988.5177834	-0.858060958	3.697590683	2.6035501
talB	gi 49175990 ref NC_000913.2	+	8238	9191	6226.898625	7027.712302	7153.710324	7164.115245	7110.692967	-0.12558326	0.188978076	0.0611353
mog	gi 49175990 ref NC_000913.2	+	9306	9893	680.3518679	648.6951509	801.1361121	713.2258192	800.8424301	-0.206031233	0.502127707	0.2138914
yaaH	gi 49175990 ref NC_000913.2	-	9928	10494	293.7131264	264.9489232	265.4971173	260.2018978	289.2821074	0.052664426	0.068250211	0.0162038
yaaW	gi 49175990 ref NC_000913.2	-	10643	11356	43.67919372	39.8637293	25.4265901	23.68494086	33.44933737	0.60737436	1.398147285	0.7599725
yaal	gi 49175990 ref NC_000913.2	-	11382	11786	17.13421521	15.17411374	13.7594829	16.88911574	24.43575826	-0.18332757	0.166192619	0.0525902
dnaK	gi 49175990 ref NC_000913.2	+	12163	14079	7284.07217	7666.901226	2903.708355	2244.911724	2908.469726	1.47576596	9.999055198	8.1953208
dnaJ	gi 49175990 ref NC_000913.2	+	14168	15298	1073.739519	947.8496382	717.680468	534.9730114	495.0187157	0.830327147	3.518424889	2.4513359
insL	gi 49175990 ref NC_000913.2	+	15445	16557	853.7488698	845.3235793	744.1914308	608.030204	834.2471836	0.224194734	0.514209594	0.2208945
hokC	gi 49175990 ref NC_000913.2	-	16751	16903	84.33512167	70.22159563	109.1080287	102.2428242	137.6520652	-0.571409092	1.782372687	1.0409668
mokC	gi 49175990 ref NC_000913.2	-	16751	16960	90.9059627	88.31807089	141.1154437	144.7655189	180.3007848	-0.795979125	3.066361423	2.0196963
nhaA	gi 49175990 ref NC_000913.2	+	17489	18655	1168.355374	1041.885523	1168.277806	1098.66297	933.5722005	0.074492225	0.090531844	0.023835
nhaR	gi 49175990 ref NC_000913.2	+	18715	19620	361.4534623	370.4333227	297.692747	340.7408035	338.6896891	0.158356706	0.356632983	0.1412357
insB	gi 49175990 ref NC_000913.2	-	19811	20314	192.49467	188.0488411	155.545735	182.5528535	157.1445003	0.204034563	0.421025525	0.1722721
insA	gi 49175990 ref NC_000913.2	-	20233	20508	147.2112958	170.0704315	137.4563811	174.7734884	177.0807677	-0.069886965	0.051894339	0.0088886
rpsT	gi 49175990 ref NC_000913.2	-	20815	21078	12040.2732	13762.83381	6463.127644	7521.144396	14973.76031	0.373464651	0.842534539	0.3956627
yaaY	gi 49175990 ref NC_000913.2	+	21181	21399	793.1674056	1151.346742	618.9453858	812.048822	1432.369521	-0.053680731	0.038649935	0.0042561
ribF	gi 49175990 ref NC_000913.2	+	21407	22348	1587.577187	1584.280782	1487.286684	1466.499845	1509.829975	0.092376936	0.172023867	0.0541629
ileS	gi 49175990 ref NC_000913.2	+	22391	25207	3987.334426	3916.060861	3639.03252	3233.583213	3715.068575	0.168184897	0.341331515	0.1341942
lspA	gi 49175990 ref NC_000913.2	+	25207	25701	487.6148732	505.3119629	502.4803796	428.4867687	486.7762719	0.071001515	0.13377086	0.039995
fkpB	gi 49175990 ref NC_000913.2	+	25826	26275	426.4839603	357.0467124	359.2767118	277.3175014	388.9522862	0.224908152	0.412805299	0.1687531
ispH	gi 49175990 ref NC_000913.2	+	26277	27227	853.1387461	839.6218713	631.5148739	529.5287239	723.1825487	0.433092887	1.330326607	0.7169348
rihC	gi 49175990 ref NC_000913.2	+	27293	28207	216.2414917	227.9729669	363.3040045	335.3110999	346.6365011	-0.653076642	2.401028602	1.519468
dapB	gi 49175990 ref NC_000913.2	+	28374	29195	333.8046234	271.5535327	371.1739218	297.0512597	198.0470933	0.11696835	0.100813943	0.0266333
carA	gi 49175990 ref NC_000913.2	+	29651	30799	97.65688437	79.71055637	68.11635998	72.94978601	87.27444207	0.238603591	0.422963518	0.1734532
carB	gi 49175990 ref NC_000913.2	+	30817	34038	287.0533494	290.6436039	211.2799659	196.451928	264.3675089	0.360773798	0.962072724	0.4683213
caiF	gi 49175990 ref NC_000913.2	+	34300	34695	117.6320449	133.0167241	325.8501957	294.8856715	270.5313275	-1.252970953	6.63315153	5.1585614
caiE	gi 49175990 ref NC_000913.2	-	34781	35371	91.49976322	90.22285407	165.7669454	145.9485338	175.9630445	-0.834960394	3.397623199	2.3511899
caiD	gi 49175990 ref NC_000913.2	-	35377	36162	15.2466492	13.27369267	13.56502865	20.02221958	14.65346984	-0.164605027	0.148571294	0.0447558
caiC	gi 49175990 ref NC_000913.2	-	36271	37824	82.5441106	85.49084331	64.40489196	81.77708474	87.31436148	0.09514106	0.168612292	0.0531308
caiB	gi 49175990 ref NC_000913.2	-	37898	39115	58.90991616	52.19963026	55.7634469	51.68630953	60.47134192	0.003676447	0	0
caiA	gi 49175990 ref NC_000913.2	-	39244	40386	155.4566797	176.71294	201.3658685	170.616661	197.3558571	-0.204578583	0.371699383	0.1457798
caiT	gi 49175990 ref NC_000913.2	-	40417	41931	21.51898876	19.92779635	28.19583795	30.33024767	36.8586733	-0.612203899	1.162574513	0.5960224
fixA	gi 49175990 ref NC_000913.2	+	42403	43173	12.46689751	14.26085094	14.69566383	11.38098042	19.9958144	-0.210715824	0.133924737	0.039995
fixB	gi 49175990 ref NC_000913.2	+	43188	44129	12.00108767	11.3868366	16.0440849	15.75429081	18.99317689	-0.524481449	0.63510387	0.284622
fixC	gi 49175990 ref NC_000913.2	+	44180	45466	15.03982314	16.15301711	13.72858131	20.10700857	20.11686071	-0.220761566	0.189814262	0.0611353
yaaU	gi 49175990 ref NC_000913.2	+	45807	47138	20.64941375	13.22697546	24.79406856	18.04400412	19.13484574	-0.231715727	0.296783347	0.114355
kefF	gi 49175990 ref NC_000913.2	+	47246	47776	95.72697494	101.6472711	66.41917394	69.47470937	66.21784133	0.542284438	1.701076976	0.9810243
kefC	gi 49175990 ref NC_000913.2	+	47769	49631	361.4782534	302.9089954	256.7291651	218.7171222	209.9346563	0.573131873	1.781182312	1.0404996
folA	gi 49175990 ref NC_000913.2	+	49823	50302	326.2587137	320.0738907	246.7309797	202.1511055	282.3561182	0.41046407	1.128912637	0.5739941
apaH	gi 49175990 ref NC_000913.2	-	50380	51222	932.1947602	870.941336	1002.394014	857.8117533	867.2143376	0.00553371	0.014847352	0
apaG	gi 49175990 ref NC_000913.2	-	51229	51606	1038.618969	1032.438328	1240.228381	1148.133905	1168.889516	-0.19096464	0.43376361	0.1772001
rsmA	gi 49175990 ref NC_000913.2	-	51609	52430	1676.972655	1775.22138	1906.141761	1749.054989	1732.04936	-0.060474857	0.089948919	0.023818
pdxA	gi 49175990 ref NC_000913.2	-	52427	53416	1502.346537	1518.749968	1879.766466	1727.802266	1834.019403	-0.262676436	0.604158205	0.2677081
surA	gi 49175990 ref NC_000913.2	-	53416	54702	3041.344325	3087.841119	3347.36132	2957.858386	3754.167963	-0.132092073	0.2437569	0.0886874
lptD	gi 49175990 ref NC_000913.2	-	54755	57109	5525.240672	5198.285938	5186.344036	5090.10471	5674.702434	0.018996387	0.022438314	0.0005477
djIA	gi 49175990 ref NC_000913.2	+	57364	58179	562.7135547	581.2955852	525.4837178	552.6490886	518.3084937	0.098736115	0.204539511	0.068258
rluA	gi 49175990 ref NC_000913.2	-	59687	60346	316.9692707	294.405237	331.2451177	293.8340429	293.9879738	0.013118564	0	0

rapA	gi 49175990 ref NC_000913.2	-	60358	63264	859.2291838	901.3897653	762.6191735	723.168129	703.4179109	0.267277551	0.711385876	0.3184473
polB	gi 49175990 ref NC_000913.2	-	63429	65780	607.7088905	592.6667461	539.544595	550.2729213	413.1808177	0.26995359	0.62274589	0.2777086
araD	gi 49175990 ref NC_000913.2	-	65855	66550	20.97525259	18.01598722	32.33034777	24.64460155	14.89489501	-0.261303439	0.340201168	0.1335789
araA	gi 49175990 ref NC_000913.2	-	66835	68337	94.60935929	94.97824483	99.78792467	116.4343407	101.0429095	-0.16154575	0.285808704	0.1086502
araB	gi 49175990 ref NC_000913.2	-	68348	70048	46.4266826	52.26938759	47.67995779	45.98193508	44.91359768	0.084666791	0.12640731	0.0373086
araC	gi 49175990 ref NC_000913.2	+	70387	71265	245.3256188	253.6097622	226.8114352	233.118969	209.8935161	0.156805947	0.321030517	0.1253096
yabI	gi 49175990 ref NC_000913.2	+	71351	72115	433.9253738	377.9595487	407.810329	452.3547275	208.3365903	0.218436295	0.32075205	0.1253096
thiQ	gi 49175990 ref NC_000913.2	-	72229	72927	170.3121014	171.9154581	164.6469435	195.8877593	143.8614641	0.022854885	0.036816215	0.0039338
thiP	gi 49175990 ref NC_000913.2	-	72911	74521	175.2392291	184.279869	152.839197	161.4436741	167.070205	0.154106429	0.315783974	0.1236733
thiB	gi 49175990 ref NC_000913.2	-	74497	75480	166.1468961	190.965372	107.4340293	98.7871072	112.0852927	0.733077401	2.872906486	1.9121685
sgrR	gi 49175990 ref NC_000913.2	-	75644	77299	362.4937417	327.6363815	408.2474677	363.3604719	372.4752257	-0.124958551	0.283236609	0.1073228
sgrT	gi 49175990 ref NC_000913.2	+	77388	77519	1003.782942	1248.153271	1388.814335	1661.566976	1979.440465	-0.618930794	1.772206768	1.0335255
setA	gi 49175990 ref NC_000913.2	+	77621	78799	205.3263736	187.0704114	265.3964748	191.9329757	187.5866608	-0.102210752	0.222495371	0.0773895
leuD	gi 49175990 ref NC_000913.2	-	78848	79453	103.9027501	87.31750486	79.39559623	118.6467654	119.8104907	-0.143350461	0.240576777	0.0867246
leuC	gi 49175990 ref NC_000913.2	-	79464	80864	103.0582787	119.7283198	93.42470252	108.7161915	115.3932125	0.047028022	0.114659137	0.032275
leuB	gi 49175990 ref NC_000913.2	-	80867	81958	76.33123776	75.97905793	79.63059606	93.89709571	65.34369142	-0.063104966	0.087476487	0.0222447
leuA	gi 49175990 ref NC_000913.2	-	81958	83529	123.1139843	118.70843	99.8172594	110.9325845	108.7823255	-0.183599651	0.359642202	0.1424431
leuL	gi 49175990 ref NC_000913.2	-	83622	83708	176.3022095	102.3800685	252.7558274	443.7600083	509.8014062	-1.489061981	6.631755271	5.1585614
leuO	gi 49175990 ref NC_000913.2	+	84368	85312	86.41589343	86.4285946	71.60652111	113.0611338	120.8366048	-0.256293996	0.432652845	0.1770091
ilvI	gi 49175990 ref NC_000913.2	+	85630	87354	195.8577787	178.5225622	220.7657386	181.7320558	171.831252	-0.008906321	0.042284579	0.005706
ilvH	gi 49175990 ref NC_000913.2	+	87357	87848	73.75711731	56.90471582	86.87497369	72.90979967	63.05080546	-0.1432888	0.30315691	0.1166828
cra	gi 49175990 ref NC_000913.2	+	88028	89032	1856.713173	1688.715948	3599.021785	3337.687997	3212.773657	-0.913799258	4.118987957	2.96086
mraZ	gi 49175990 ref NC_000913.2	+	89634	90092	2295.050073	2650.990669	2633.449836	2454.309811	2660.692435	-0.082039551	0.100747462	0.0266333
rsnH	gi 49175990 ref NC_000913.2	+	90094	91035	1300.482485	1293.636869	1309.345181	1279.23134	1241.832474	0.025470206	0.040731739	0.0047328
ftsL	gi 49175990 ref NC_000913.2	+	91032	91397	874.8822227	792.0925363	1070.853638	1410.44513	1815.455565	-0.786275596	2.853808799	1.8961407
ftsI	gi 49175990 ref NC_000913.2	+	91413	93179	5630.748333	5109.936172	8279.301006	12580.25458	15124.83041	-1.169351105	4.820844813	3.5726582
murE	gi 49175990 ref NC_000913.2	+	93166	94653	1827.791065	1614.616975	2315.941997	1726.663392	1352.248169	-0.023001325	0.090305831	0.023835
murF	gi 49175990 ref NC_000913.2	+	94650	96008	1436.301557	1367.701429	1577.799739	1345.403835	1150.130281	-0.065836843	0.079985228	0.019932
mraY	gi 49175990 ref NC_000913.2	+	96002	97084	1715.419927	1537.689137	1767.299348	1502.305392	1164.840406	0.168855455	0.255154754	0.0928474
murD	gi 49175990 ref NC_000913.2	+	97087	98403	1518.946522	1453.186674	1687.79722	1467.526967	1134.541804	0.075879273	0.094850621	0.0251405
ftsW	gi 49175990 ref NC_000913.2	+	98403	99647	1350.7996	1176.747739	1407.686137	1142.500449	946.0486481	0.152617437	0.220221858	0.0764333
murG	gi 49175990 ref NC_000913.2	+	99644	100711	1430.499078	1180.52207	1546.991875	1339.671995	957.4028185	0.070212524	0.043906015	0.0060195
murC	gi 49175990 ref NC_000913.2	+	100765	102240	1807.167187	1802.7373	1943.052018	1771.414066	1590.857998	0.037528319	0.04995505	0.0082424
ddlB	gi 49175990 ref NC_000913.2	+	102233	103153	1863.495245	1772.320517	2226.739656	2003.44713	1659.404719	-0.093255405	0.188747967	0.0611353
ftsQ	gi 49175990 ref NC_000913.2	+	103155	103985	1870.803755	1605.105261	2434.660597	2097.609469	1598.967134	-0.197063334	0.457681776	0.1915697
ftsA	gi 49175990 ref NC_000913.2	+	103982	105244	1817.204586	1543.362846	2390.647784	1974.315337	1483.473242	-0.173461249	0.39945628	0.1609792
ftsZ	gi 49175990 ref NC_000913.2	+	105305	106456	3089.818664	2714.495891	4025.552338	2825.39252	2004.130656	0.022743407	0.029352356	0.0017515
lpxC	gi 49175990 ref NC_000913.2	+	106557	107474	9381.106602	11116.67617	9078.173102	10211.39831	11420.106	-0.031878674	0.006294229	0
secM	gi 49175990 ref NC_000913.2	+	107705	108217	1416.823651	1578.635052	1479.768127	1500.237217	1805.690093	-0.112131322	0.154853241	0.0487535
secA	gi 49175990 ref NC_000913.2	+	108279	110984	5152.859717	4970.34315	5654.251204	4970.236018	5645.600356	-0.091017908	0.173441399	0.0547682
mutT	gi 49175990 ref NC_000913.2	+	111044	111433	106.6504142	133.0542468	113.053048	128.8034675	116.7127152	-0.02780393	0.001783023	0
yacG	gi 49175990 ref NC_000913.2	-	111649	111846	249.2927735	243.1368819	153.8066704	238.4531107	214.1454173	0.270782932	0.622014004	0.2773892
yacF	gi 49175990 ref NC_000913.2	-	111856	112599	524.283392	531.8969762	360.932409	343.1968407	385.7531632	0.537141063	1.925082504	1.1444719
coaE	gi 49175990 ref NC_000913.2	-	112599	113219	341.2548855	350.4881801	284.0357166	281.4690189	300.5487272	0.255951451	0.636284273	0.284622
guaC	gi 49175990 ref NC_000913.2	+	113444	114487	855.1030351	991.6698461	457.1415085	499.0173179	610.9721308	0.791140372	3.803049702	2.6928224
hofC	gi 49175990 ref NC_000913.2	-	114522	115724	107.0732218	113.996457	92.93769842	94.17919977	94.22789088	0.228849906	0.517101222	0.2218965
hofB	gi 49175990 ref NC_000913.2	-	115714	117099	189.0054278	167.1129954	209.8736855	225.3035712	222.0863396	-0.285634246	0.695094841	0.3103556
ppdD	gi 49175990 ref NC_000913.2	-	117109	117549	24.68802869	22.77531561	17.96282496	32.28564064	26.89462953	-0.12266204	0.114090074	0.032192
naeC	gi 49175990 ref NC_000913.2	-	117752	118645	492.4726448	540.4815863	526.8329667	562.7123244	517.2049705	-0.066658407	0.085905199	0.0221491
ampD	gi 49175990 ref NC_000913.2	+	118733	119284	400.1378234	386.5536861	552.8843727	662.6384922	442.2910331	-0.390836493	1.16122376	0.595457
ampE	gi 49175990 ref NC_000913.2	+	119281	120135	534.153058	480.5526292	778.9147885	689.3769127	481.7833104	-0.327514137	0.852754542	0.3997838
aroP	gi 49175990 ref NC_000913.2	-	120178	121551	223.6948302	245.0863009	204.7914215	228.679794	237.6916638	0.048881024	0.11639253	0.0328174
pdhR	gi 49175990 ref NC_000913.2	+	122092	122856	1541.238965	1664.102927	783.856484	907.1306999	1176.165818	0.720986969	3.031439148	2.035981
aceE	gi 49175990 ref NC_000913.2	+	123017	125680	14262.81851	13076.01192	6545.777511	6120.385074	6080.993649	1.145510881	6.299352964	4.8655298
aceF	gi 49175990 ref NC_000913.2	+	125695	127587	6506.093299	5673.155518	3293.369067	2891.435084	2467.033055	1.109076782	5.647415074	4.3023185
lpd	gi 49175990 ref NC_000913.2	+	127912	129336	8669.947163	8640.431529	5174.077237	5215.490389	4724.898953	0.78325756	3.26117508	2.2229695
yacH	gi 49175990 ref NC_000913.2	-	129407	131260	100.0928305	108.3032238	120.8246033	139.8952145	106.7986853	-0.24382768	0.462646738	0.1939831

acnB	gi 49175990 ref NC_000913.2	+	131615	134212	3950.221795	3755.527003	5584.215103	4814.117726	3536.252276	-0.246542624	0.563896507	0.246286
yacL	gi 49175990 ref NC_000913.2	+	134388	134750	502.1273014	431.1420447	843.1553261	666.9942652	409.0660758	-0.409637871	1.064760537	0.5336653
speD	gi 49175990 ref NC_000913.2	-	134788	135582	657.4940165	653.4634059	487.7214623	611.9668297	593.2934182	0.206644683	0.48958866	0.2070332
speE	gi 49175990 ref NC_000913.2	-	135598	136464	907.3509355	907.0658529	781.5253337	771.405989	814.3164452	0.200611593	0.477671187	0.2010025
yacC	gi 49175990 ref NC_000913.2	-	136570	136917	809.864253	887.1631009	643.3287027	911.1953929	857.9844869	0.049185823	0.14222189	0.0427363
cueO	gi 49175990 ref NC_000913.2	+	137083	138633	770.840202	682.8545216	980.0269735	975.2509514	785.5346371	-0.307198633	0.871448428	0.4135164
gcd	gi 49175990 ref NC_000913.2	-	138835	141225	693.5215228	677.2004915	609.649076	616.3619121	420.0338319	0.332662929	0.802621033	0.3702416
hpt	gi 49175990 ref NC_000913.2	+	141431	141967	1471.221786	1577.666706	1611.511374	1382.553269	1494.162723	0.023061893	0.047037463	0.0075492
can	gi 49175990 ref NC_000913.2	-	142008	142670	1440.737243	1635.632895	945.2703492	1090.801431	1122.712979	0.520639768	1.904539892	1.1277726
yadG	gi 49175990 ref NC_000913.2	+	142779	143705	769.5292126	691.409266	712.4725531	765.5807307	657.515621	0.052424542	0.067389316	0.0160372
yadH	gi 49175990 ref NC_000913.2	+	143702	144472	494.7453022	484.3901253	528.7863056	522.2691593	389.6502481	0.03841679	0.047376501	0.0075492
yadI	gi 49175990 ref NC_000913.2	+	144577	145017	155.739212	160.5260471	302.2639241	238.7896263	167.7014787	-0.562312802	1.561164649	0.8724163
yadE	gi 49175990 ref NC_000913.2	+	145081	146310	400.0021043	402.7189955	401.9326566	413.6141366	371.4345802	0.020989468	0.036017294	0.0036811
panD	gi 49175990 ref NC_000913.2	-	146314	146694	769.038688	796.9045593	566.7319098	552.8578493	638.0761666	0.41081691	1.319661867	0.7093129
yadD	gi 49175990 ref NC_000913.2	+	146968	147870	124.498033	144.4252864	254.33342	186.1856959	138.5048591	-0.517385137	1.273541038	0.676546
panC	gi 49175990 ref NC_000913.2	-	147944	148795	1720.465578	1845.513879	1854.196524	1642.558533	1590.771125	0.069447371	0.1272411776	0.0373086
panB	gi 49175990 ref NC_000913.2	-	148807	149601	1330.364391	1241.366954	1515.163545	1457.59103	1586.040201	-0.23122699	0.553217401	0.2395293
yadC	gi 49175990 ref NC_000913.2	-	149715	150953	52.02029893	80.87387461	40.68498013	64.76976306	57.14878299	0.225546701	0.503252251	0.2141071
yadK	gi 49175990 ref NC_000913.2	-	151003	151599	16.99970835	17.0929588	12.07375092	10.21781543	16.66670888	0.388905328	0.502780263	0.2138914
yadL	gi 49175990 ref NC_000913.2	-	151626	152231	11.32137706	11.39392591	7.272172726	12.38375482	19.89217639	-0.234756398	0.107714105	0.0288952
yadM	gi 49175990 ref NC_000913.2	-	152243	152812	17.30655524	22.84114295	10.87606987	13.44362911	14.52333369	0.596397844	1.003603488	0.4957796
htrE	gi 49175990 ref NC_000913.2	-	152829	155426	38.08872109	46.59094786	26.39900786	36.09315396	67.70680102	-0.08183436	0.01032573	0
ecpD	gi 49175990 ref NC_000913.2	-	155461	156201	16.98738315	28.59231872	16.21777379	11.48978053	28.75170015	0.215970976	0.298791598	0.1150997
yadN	gi 49175990 ref NC_000913.2	-	156299	156883	7.015621852	5.4439378	5.679024552	4.576202889	8.848447404	0.030970002	0	0
folK	gi 49175990 ref NC_000913.2	-	157253	157732	177.6251545	195.6971319	135.7819768	122.5326823	187.9511254	0.308480207	0.727867712	0.3261258
pcnB	gi 49175990 ref NC_000913.2	-	157729	159126	2936.586786	2990.961859	2003.769496	1938.68195	2473.060178	0.463320528	1.402900981	0.7611946
gluQ	gi 49175990 ref NC_000913.2	-	159186	160112	290.3651935	278.2721552	202.0833604	221.9641668	230.9710204	0.38139376	1.056303251	0.5279327
dkoA	gi 49175990 ref NC_000913.2	-	160149	160604	4987.124739	5401.61423	3757.771742	3722.401069	4699.696158	0.338105796	0.927201623	0.450187
sfsA	gi 49175990 ref NC_000913.2	-	160782	161486	361.779013	407.5188586	714.9250907	790.0905857	569.1131557	-0.859716377	3.510203725	2.4443574
ligT	gi 49175990 ref NC_000913.2	-	161501	162031	160.6615462	172.8912668	111.1521626	139.0628498	173.4463196	0.215484577	0.478848333	0.2015743
hrpB	gi 49175990 ref NC_000913.2	+	162105	164534	626.5111996	634.4758875	644.6183869	603.2597565	624.8137736	0.015188902	0.025993125	0.000968
mrcB	gi 49175990 ref NC_000913.2	+	164730	167264	1318.766748	1317.384177	967.4450433	973.2382578	1078.952203	0.386207	1.180737764	0.6098523
fhuA	gi 49175990 ref NC_000913.2	+	167484	169727	1267.530016	1312.652337	627.5168096	577.5568483	661.6903363	1.047474432	6.05092013	4.6505207
fhuC	gi 49175990 ref NC_000913.2	+	169778	170575	289.771414	274.4678757	98.70499082	69.76599902	80.81568185	1.782312111	12.50509335	10.484145
fhuD	gi 49175990 ref NC_000913.2	+	170575	171465	174.6130131	183.3293854	58.83838592	40.53788453	41.65278568	1.935638405	14.03417737	11.839236
fhuB	gi 49175990 ref NC_000913.2	+	171462	173444	372.1321589	319.0652967	166.6361837	129.1943102	154.7508839	1.23069662	6.788401165	5.2957581
hemL	gi 49175990 ref NC_000913.2	-	173602	174882	1570.765905	1761.002035	1311.73906	1156.04494	1220.473363	0.426984987	1.357868876	0.7355514
clcA	gi 49175990 ref NC_000913.2	+	175107	176528	896.5323757	920.3757621	1128.854743	1080.81447	1063.471596	-0.265222571	0.639409197	0.2854905
erpA	gi 49175990 ref NC_000913.2	+	176610	176954	438.6535525	420.7435925	430.6315067	397.9819053	346.8674464	0.146400163	0.268879045	0.0994014
yadS	gi 49175990 ref NC_000913.2	-	177001	177624	175.4312061	172.8554609	181.7653665	183.8467697	177.2833731	-0.052855	0.084589847	0.0212181
btuF	gi 49175990 ref NC_000913.2	-	177662	178462	337.337093	360.9544694	474.7895641	483.10711	418.6052353	-0.400692438	1.12675905	0.572223
mtn	gi 49175990 ref NC_000913.2	-	178455	179153	1127.686917	1090.363747	1221.024934	1356.511773	1350.505296	-0.2398978	0.564582184	0.2463254
dgt	gi 49175990 ref NC_000913.2	+	180754	180754	452.7408779	493.9378215	492.7107206	512.4682923	602.1028584	-0.196875213	0.375810869	0.1480057
degP	gi 49175990 ref NC_000913.2	+	180884	182308	4433.487624	4312.127647	3172.475491	3420.540013	3324.81653	0.404364901	1.190412863	0.6164224
cdaR	gi 49175990 ref NC_000913.2	+	182463	183620	352.2565886	332.4042821	442.9645873	500.7912287	343.6768859	-0.315531654	0.787150461	0.3620573
yaeH	gi 49175990 ref NC_000913.2	-	183709	184095	630.764061	670.5914425	616.8832196	949.1428593	795.2968947	-0.299720678	0.635764543	0.284622
yaeI	gi 49175990 ref NC_000913.2	-	184257	185069	122.6056912	112.9928408	185.6282867	183.8444297	172.8413578	-0.604806199	2.030082472	1.2212938
dapD	gi 49175990 ref NC_000913.2	-	185123	185947	2383.982987	2325.122902	2121.165585	1973.285213	1986.647355	0.223313404	0.472753046	0.1985574
glnD	gi 49175990 ref NC_000913.2	-	185978	188650	628.8810873	553.6779458	679.8400843	578.6029901	545.3759319	0.003669324	0.033920804	0.0030156
map	gi 49175990 ref NC_000913.2	-	188712	189506	1498.424758	1574.807552	1053.540066	1002.455449	1154.092397	0.51377638	1.811309738	1.0592385
rpsB	gi 49175990 ref NC_000913.2	+	189874	190599	14980.51581	15271.07834	9165.140097	8184.644802	10620.25197	0.694002464	2.59326565	1.6788329
tsf	gi 49175990 ref NC_000913.2	+	190857	191708	9668.359835	9196.998594	6478.576553	5669.972762	7788.914484	0.510530167	1.502695096	0.8272791
pyrH	gi 49175990 ref NC_000913.2	+	191855	192580	875.5452212	785.4396361	739.9480496	659.3571253	686.5392999	0.276661586	0.661063273	0.2971548
frf	gi 49175990 ref NC_000913.2	+	192872	193429	2898.266704	2813.323821	2537.181798	2881.623157	2881.623157	0.058179256	0.108708161	0.0294058
dxr	gi 49175990 ref NC_000913.2	+	193521	194717	681.4773771	676.258168	933.8885562	978.5997357	821.3400021	-0.421668997	1.311417033	0.7019367
ispU	gi 49175990 ref NC_000913.2	+	194903	195664	1418.029053	1340.153332	1536.924397	1417.054795	1152.385113	0.028433252	0.019944442	0
cdaA	gi 49175990 ref NC_000913.2	+	195677	196534	1286.315408	1159.667095	1438.636702	1254.583111	1091.759595	-0.019257703	0.069823409	0.0170551

rseP	gi 49175990 ref NC_000913.2	+	196546	197898	2555.364232	2675.637772	2301.471136	2329.560718	1842.22937	0.276066015	0.651260604	0.2917747
bamA	gi 49175990 ref NC_000913.2	+	197928	200360	5784.457646	5634.266263	6506.965935	5534.129137	5714.20434	-0.040267024	0.081302563	0.0204431
skp	gi 49175990 ref NC_000913.2	+	200482	200967	2620.298918	2789.623294	2789.888137	2582.096913	2693.289349	0.002742959	0.017127593	0
lpxD	gi 49175990 ref NC_000913.2	+	200971	201996	5654.814025	5009.244633	5284.744384	5303.155271	6283.682483	-0.064107515	0.126480473	0.0373086
fabZ	gi 49175990 ref NC_000913.2	+	202101	202556	1296.345627	1426.659072	1245.927722	1163.943237	1394.092999	0.087570357	0.19673427	0.0646643
lpxA	gi 49175990 ref NC_000913.2	+	202560	203348	2368.933225	2250.075098	2320.48432	2214.381736	2446.391411	-0.003721682	0.012655841	0
lpxB	gi 49175990 ref NC_000913.2	+	203348	204496	1404.268712	1282.19863	1215.047881	1142.502918	1141.983427	0.219721506	0.466749746	0.1956901
rnhB	gi 49175990 ref NC_000913.2	+	204493	205089	522.3083564	450.1397231	475.953108	479.7043329	388.412793	0.143420102	0.23370477	0.0827918
dnaE	gi 49175990 ref NC_000913.2	+	205126	208608	2370.397396	2541.725884	2395.630519	2011.569787	2293.893036	0.13248915	0.26367846	0.0969652
accA	gi 49175990 ref NC_000913.2	+	208621	209580	1659.83408	1512.051815	1479.747982	1190.846594	1213.868587	0.317009753	0.732422141	0.3287846
ldcC	gi 49175990 ref NC_000913.2	+	209679	211820	740.4510024	675.2693456	1303.187097	1024.570561	540.4605413	-0.39253328	0.932676132	0.4530955
yaeR	gi 49175990 ref NC_000913.2	+	211877	212266	236.5584749	239.5333172	300.4997076	291.3649611	196.8573436	-0.183591937	0.366789708	0.145076
tilS	gi 49175990 ref NC_000913.2	+	212331	213629	329.7495967	291.5345219	350.9792587	339.5599427	258.3809474	-0.001039786	0.035452863	0.0036811
rof	gi 49175990 ref NC_000913.2	-	213678	213932	589.6695001	642.1082247	568.4895693	656.9280803	682.9802144	-0.066719652	0.074797602	0.0181358
yaeP	gi 49175990 ref NC_000913.2	-	213925	214125	1108.17304	1269.009342	1249.947579	1382.19674	1209.366235	-0.128777298	0.197400585	0.0650415
yaeQ	gi 49175990 ref NC_000913.2	+	214291	214833	607.0634126	594.5683331	696.4847155	707.389622	660.8002601	-0.192017032	0.438245811	0.1793543
yaeJ	gi 49175990 ref NC_000913.2	+	214833	215255	407.5174267	344.7038607	371.6727791	407.9632091	368.0201658	-0.003555143	0.035268685	0.0036811
nlpE	gi 49175990 ref NC_000913.2	+	215269	215979	627.08555	536.5686276	545.8519009	661.2612586	596.7897661	-0.032680638	0.074841788	0.0181358
yaeF	gi 49175990 ref NC_000913.2	-	216179	217003	129.9478084	163.4552334	162.3212047	166.0621994	203.8715161	-0.309960837	0.568482037	0.2488581
proS	gi 49175990 ref NC_000913.2	-	217057	218775	2697.610502	2616.712467	1756.800772	1750.195853	1931.482524	0.553649165	1.840795119	1.080914
yaeB	gi 49175990 ref NC_000913.2	-	218887	219594	385.9270084	412.2438873	380.2209646	422.7573531	511.1493795	-0.153315207	0.252266651	0.0919849
rcsF	gi 49175990 ref NC_000913.2	-	219591	219995	610.2470783	715.2786574	561.4100616	548.3652336	626.8730502	0.170399660	0.437220007	0.1786609
metQ	gi 49175990 ref NC_000913.2	-	220113	220928	644.7197782	670.5812063	331.7028118	456.2124092	517.8286143	0.57205602	2.0686277	1.2518049
metI	gi 49175990 ref NC_000913.2	-	220968	221621	278.1541752	285.9010651	239.2038474	233.3898035	296.9388687	0.128266661	0.262664239	0.0969211
metN	gi 49175990 ref NC_000913.2	-	221614	222645	188.8339728	218.5139892	162.4061236	174.9716368	205.0230649	0.14512873	0.333836787	0.1317706
gmhB	gi 49175990 ref NC_000913.2	+	222833	223408	363.8251903	321.9283363	518.9714969	469.6030797	321.3698519	-0.317663925	0.819915195	0.3794703
dkgB	gi 49175990 ref NC_000913.2	+	229167	229970	127.1723108	139.6545349	85.9893075	125.3818505	126.5499717	0.215963952	0.498381515	0.2119255
yafC	gi 49175990 ref NC_000913.2	+	229967	230881	235.0237934	211.7601961	192.2885669	208.3310121	164.028557	0.262753492	0.544327892	0.2340619
yafD	gi 49175990 ref NC_000913.2	+	231122	231922	580.9066006	619.3027788	657.2393911	581.8658154	492.7673013	0.057458444	0.097851828	0.0262976
yafE	gi 49175990 ref NC_000913.2	+	231926	232549	185.8191477	205.1965117	270.8272169	268.0393509	296.0146476	-0.524191198	1.565372463	0.8755814
mltD	gi 49175990 ref NC_000913.2	-	232597	233955	2905.449109	3148.660866	2207.940988	2915.049975	3871.524428	-0.018188605	0.023955968	0.0005477
gloB	gi 49175990 ref NC_000913.2	-	234027	234782	319.7072413	338.1536496	203.7694722	413.247497	403.4320701	-0.085780327	0.05974246	0.0118829
yafS	gi 49175990 ref NC_000913.2	+	234816	235538	329.9220396	336.2375239	367.4746264	385.5562797	338.9192225	-0.129741209	0.244874789	0.0891953
rnhA	gi 49175990 ref NC_000913.2	+	235535	236002	193.7318042	235.6324657	205.2498422	272.2456405	265.7128951	-0.245318016	0.405813591	0.165115
dnaQ	gi 49175990 ref NC_000913.2	+	236067	236798	386.5182791	417.9483267	286.9468469	307.1964079	324.067182	0.1738681934	1.184159598	0.6128653
yafT	gi 49175990 ref NC_000913.2	+	237335	238120	24.71891764	34.26305041	20.79326111	37.91853826	35.76851796	-0.147475927	0.073349766	0.017532
yafV	gi 49175990 ref NC_000913.2	-	239419	240189	435.1521384	463.5327226	540.8898611	490.009003	480.213683	-0.167882054	0.350031586	0.1391697
ivy	gi 49175990 ref NC_000913.2	+	240343	240816	2278.76117	2127.541211	2514.08122	2736.478553	2188.781862	-0.15970542	0.330913377	0.1302079
fadE	gi 49175990 ref NC_000913.2	-	240859	243303	168.7904993	150.0193584	204.1409868	188.4433389	197.4272681	-0.284551511	0.705166629	0.3158832
lpcA	gi 49175990 ref NC_000913.2	+	243543	244121	823.0733088	912.813935	681.9228672	660.4197259	689.8352422	0.343350765	1.0749889	0.5406215
yafJ	gi 49175990 ref NC_000913.2	+	244327	245094	525.4180025	553.7602652	459.3223716	468.6988803	511.3753498	0.158886426	0.373193845	0.146713
yafK	gi 49175990 ref NC_000913.2	-	245065	245805	848.8434075	969.8169701	599.1587402	689.5186195	783.7944159	0.367323021	1.185689775	0.6138036
yafQ	gi 49175990 ref NC_000913.2	-	245961	246239	98.8211285	107.3548056	54.72608309	108.4758842	114.0354313	0.119807409	0.254828955	0.0928474
dinJ	gi 49175990 ref NC_000913.2	-	246242	246502	371.6568865	368.5189377	203.6346144	369.6972592	402.1982969	0.160185108	0.338677938	0.1335511
yafL	gi 49175990 ref NC_000913.2	+	246712	247461	38.48323122	37.98474457	40.88467918	42.46095475	29.41203004	0.032250118	0.022942898	0.0005477
rayT	gi 49175990 ref NC_000913.2	+	247637	248134	127.495141	98.68362505	271.5137626	278.9289126	197.8410246	-1.10192233	5.055535552	3.7780596
dinB	gi 49175990 ref NC_000913.2	+	250898	251953	280.1880928	275.4337429	244.9033565	213.1051348	207.6574128	0.334199191	0.828555789	0.3853674
yafN	gi 49175990 ref NC_000913.2	+	252005	252298	113.6793487	136.8403387	62.23218906	88.56591438	111.7214873	0.474051104	1.364553758	0.738899
yafO	gi 49175990 ref NC_000913.2	+	252301	252699	70.58902559	72.18869309	37.80864502	48.18836529	54.76021535	0.590684936	1.648410527	0.9399544
yafP	gi 49175990 ref NC_000913.2	+	252709	253161	45.10951359	52.27757134	17.9882657	30.13987857	30.15462682	0.864195171	2.54972337	1.6422395
pepD	gi 49175990 ref NC_000913.2	-	254259	255716	3757.474756	3876.192639	5229.345447	4630.401996	4435.50754	-0.316988722	0.784181516	0.3603755
gpt	gi 49175990 ref NC_000913.2	+	255977	256435	590.0624697	571.767956	424.2385442	399.146387	379.2711625	0.543926502	1.980822721	1.1844893
frsA	gi 49175990 ref NC_000913.2	+	256527	257771	392.8662474	419.8426273	484.6229738	429.3370493	333.5768791	-0.030045766	0.045453143	0.0068981
criI	gi 49175990 ref NC_000913.2	+	257829	258230	1108.89884	1029.556776	960.61931	1095.063005	847.1968751	0.154050226	0.292580877	0.1130641
phoE	gi 49175990 ref NC_000913.2	-	258269	259324	33.91101538	24.62285106	21.80876481	30.2127158	32.39382325	0.077575156	0.046593653	0.0074556
proB	gi 49175990 ref NC_000913.2	+	259612	260715	1349.603847	1153.94366	1160.402279	968.8955378	1089.178706	0.251115322	0.521542331	0.2231699
proA	gi 49175990 ref NC_000913.2	+	260727	261980	1048.138903	856.6327779	847.302873	712.1377558	790.8110012	0.316440206	0.72723599	0.3259863

ykfI	gi 49175990 ref NC_000913.2	-	262552	262893	107.6301929	117.8062574	94.5720065	105.3515569	107.6122517	0.12053308	0.250309662	0.0911061
yafW	gi 49175990 ref NC_000913.2	-	262914	263231	109.8734173	105.4095909	87.84172106	87.5584783	104.1337587	0.209849399	0.428813268	0.1756893
ykfH	gi 49175990 ref NC_000913.2	-	263250	263471	45.85034552	36.02710562	31.84349902	27.06079093	35.76343693	0.402332663	0.712540622	0.3184473
ykfG	gi 49175990 ref NC_000913.2	-	263480	263956	79.71413051	72.14844045	88.85409427	81.95586702	91.91076387	-0.192001051	0.391910058	0.1563773
yafX	gi 49175990 ref NC_000913.2	-	263972	264430	199.8483546	209.9247509	274.2954072	228.9448222	269.1318435	-0.330934753	0.805712477	0.3714324
ykfF	gi 49175990 ref NC_000913.2	-	264528	264767	64.9834634	84.61824613	93.97461798	94.08984681	78.71427694	-0.277014834	0.480899847	0.2024127
ykfB	gi 49175990 ref NC_000913.2	-	264844	265311	378.507415	469.3012898	596.7234351	544.9662117	555.3087072	-0.442027654	1.220439527	0.635831
yafY	gi 49175990 ref NC_000913.2	-	265334	265777	63.07711018	108.4662302	91.01382046	116.5063206	122.0853917	-0.435119149	0.740709003	0.3343714
yafZ	gi 49175990 ref NC_000913.2	-	266408	267229	61.16782018	45.5029344	70.98438522	47.38768222	62.76743765	-0.133799838	0.27667096	0.1038347
ykfA	gi 49175990 ref NC_000913.2	-	267321	268184	177.0725801	189.9871369	214.5606003	189.5823035	195.235944	-0.126205928	0.210927832	0.0721266
perR	gi 49175990 ref NC_000913.2	-	268513	269406	86.84771034	94.05527725	90.74848909	105.3492401	110.9188479	-0.194990095	0.341592272	0.1341942
insI	gi 49175990 ref NC_000913.2	+	269827	270978	231.7979255	213.6692753	199.6606004	258.7037557	221.0409997	-0.021486596	0.030439532	0.0022473
insH	gi 49175990 ref NC_000913.2	-	273325	274341	843.3655262	805.0507915	852.2666423	999.8896503	927.6818409	-0.098174599	0.143169114	0.0427363
mmuP	gi 49175990 ref NC_000913.2	+	274549	275952	106.2496807	121.6226079	134.0130071	119.0457111	147.8812608	-0.24665127	0.470644367	0.1979895
mmuM	gi 49175990 ref NC_000913.2	+	275939	276871	233.5671095	224.1339125	373.8174709	364.311162	319.8987951	-0.613539217	2.224410497	1.373408
afuC	gi 49175990 ref NC_000913.2	-	276980	278026	49.9038687	63.70777078	76.50545718	62.91280139	66.24052975	-0.290523211	0.502156724	0.2134616
insB	gi 49175990 ref NC_000913.2	-	278402	278905	173.1485113	194.7558608	156.9186821	196.9965255	150.5201854	0.109339838	0.227760357	0.0796445
insA	gi 49175990 ref NC_000913.2	-	278824	279099	144.2143439	157.7001746	128.3399396	179.1560964	170.382915	-0.102676017	0.114122409	0.032192
yagA	gi 49175990 ref NC_000913.2	-	280053	281207	11.55243135	8.512165085	14.4555412	13.4454711	11.30205449	-0.342654035	0.336858474	0.1327041
yagE	gi 49175990 ref NC_000913.2	+	281502	282410	175.2547693	183.3278777	434.1674658	357.7236894	317.7540312	-1.037126942	4.957753979	3.6941925
yagF	gi 49175990 ref NC_000913.2	+	282425	284392	329.968357	331.4820858	641.3848432	605.2835823	459.2103938	-0.772487229	3.222224927	2.1898023
yagG	gi 49175990 ref NC_000913.2	+	284619	286001	52.23087557	55.10055251	92.67726624	47.50870371	62.9254965	-0.316837484	0.58076136	0.2552364
yagH	gi 49175990 ref NC_000913.2	+	286013	287623	70.60906499	54.0543587	74.89196423	88.54587654	96.29651705	-0.451021146	1.172041784	0.6035201
yagI	gi 49175990 ref NC_000913.2	-	287628	288386	167.8045265	209.0462407	170.8820789	143.7217132	170.409264	0.195697788	0.446929478	0.1843451
argF	gi 49175990 ref NC_000913.2	-	288525	289529	111.0235002	87.29418241	70.85050899	49.54480356	55.05313065	0.803972606	2.554336662	1.645126
insB	gi 49175990 ref NC_000913.2	-	289873	290376	236.5213267	242.2078946	281.2363832	274.7177336	279.3151371	-0.220257185	0.479462725	0.2015743
insA	gi 49175990 ref NC_000913.2	-	290295	290570	166.0744378	157.6436632	145.096409	138.1601176	195.870831	0.019913481	0.028746164	0.0017411
yagK	gi 49175990 ref NC_000913.2	-	291546	292172	80.33300346	73.09990292	79.99918033	80.85580719	101.8179015	-0.184281912	0.336635432	0.1327041
yagL	gi 49175990 ref NC_000913.2	-	292444	293142	53.05789355	68.46237566	36.84618709	69.08730621	51.63817857	0.161504262	0.323966643	0.1260085
yagM	gi 49175990 ref NC_000913.2	-	293169	294023	15.28876973	22.86166475	11.23228629	18.99728615	21.15720121	0.098723223	0.137983379	0.0415146
yagN	gi 49175990 ref NC_000913.2	-	294363	294803	595.8223384	680.1229656	381.4299312	533.8884347	859.3134628	0.063430257	0.170134543	0.0535387
intF	gi 49175990 ref NC_000913.2	-	294920	296320	332.0830465	379.030104	309.6170542	316.3047165	386.6930102	0.050637889	0.133138238	0.0398914
paoD	gi 49175990 ref NC_000913.2	-	296994	297950	61.20510725	79.86820428	78.15335718	67.43784108	80.66535332	-0.125489362	0.133307869	0.0399288
paoC	gi 49175990 ref NC_000913.2	-	297960	300158	62.35974228	64.59393486	84.15017905	73.93430427	54.18874548	-0.147838178	0.230342864	0.0812973
paoB	gi 49175990 ref NC_000913.2	-	300155	301111	32.82446961	20.80167592	50.21139081	40.5413956	50.39479582	-0.758957755	2.163953268	1.3270936
paoA	gi 49175990 ref NC_000913.2	-	301108	301797	20.72393439	12.26810728	29.67110695	25.63124616	9.37950371	-0.317444997	0.385623881	0.1538105
yagJ	gi 49175990 ref NC_000913.2	+	302215	302829	570.6159528	644.975141	508.248511	379.1670217	376.0178309	0.527471037	1.77557944	1.0360689
ykgJ	gi 49175990 ref NC_000913.2	-	303077	303406	62.97983669	65.54529824	62.41268377	51.83041568	74.88654203	0.022893802	0.03745033	0.0039338
yagV	gi 49175990 ref NC_000913.2	-	303719	304429	100.4435834	94.95680239	95.51078591	91.98997463	96.44725287	0.053840251	0.073850991	0.0175681
yagW	gi 49175990 ref NC_000913.2	-	304398	306041	140.7638936	136.7573803	164.3724288	155.8867591	157.0766077	-0.190899073	0.387385793	0.1543669
yagX	gi 49175990 ref NC_000913.2	-	306031	308556	86.874008689	93.10169291	87.82555294	93.06116447	97.51694183	-0.055964184	0.052284815	0.0090435
matC	gi 49175990 ref NC_000913.2	-	308582	309250	11.32137706	11.39392951	11.78182092	7.960279281	11.18425662	0.149092483	0.090540744	0.023835
matB	gi 49175990 ref NC_000913.2	-	309308	309895	124.0456099	134.9014487	140.0180865	172.5494708	174.855661	-0.347617311	0.751709555	0.3414472
ykgL	gi 49175990 ref NC_000913.2	+	311336	311563	64.35661396	63.62945541	135.254472	101.3204724	161.1341961	-1.0463397	4.195615427	3.0269108
ykgO	gi 49175990 ref NC_000913.2	-	311598	311738	10.24274166	17.16440616	13.26667639	8.057840195	17.73738734	0.028654686	0.011899902	0
ykgM	gi 49175990 ref NC_000913.2	-	311738	312001	20.5512798	24.72647307	7.434552516	13.55018597	25.36533071	0.502095058	0.763204886	0.3467545
ykgR	gi 49175990 ref NC_000913.2	-	312365	312466	11.04507516	15.23598061	22.07828791	29.26238171	45.55085713	-1.337081208	3.185166864	2.1650512
insE	gi 49175990 ref NC_000913.2	+	314515	314814	69.31580763	71.24046918	57.90199104	84.97485802	77.33092305	-0.07912479	0.08287232	0.0209983
insF	gi 49175990 ref NC_000913.2	+	314811	315677	142.6165345	140.5621828	211.144637	215.2949702	227.6334413	-0.622526666	2.084693665	1.2657677
ykgB	gi 49175990 ref NC_000913.2	-	316950	317543	13.76364762	6.573728418	5.869356032	9.064264381	17.62712299	-0.05522774	0.058025536	0.0110921
ykgC	gi 49175990 ref NC_000913.2	-	317900	319225	88.26966969	69.25245481	71.79248726	95.95536436	54.24212144	0.117161414	0.130988936	0.0392301
ykgD	gi 49175990 ref NC_000913.2	+	319451	320305	70.25785441	82.68447937	75.80416789	67.4958592	92.82521016	-0.06317587	0.043761479	0.0060195
ykgE	gi 49175990 ref NC_000913.2	+	320832	321551	1037.290224	877.5442327	1323.549526	698.2469054	1629.072752	-0.315559792	0.676246126	0.3033725
ykgF	gi 49175990 ref NC_000913.2	+	321562	321989	172.2502828	152.7236364	255.0465994	1382.083457	2820.55829	-0.443650584	1.052134801	0.5260812
ykgG	gi 49175990 ref NC_000913.2	+	322982	323677	750.5675356	566.9072129	1422.261966	690.3726082	1411.795144	-0.779260486	2.56986965	1.6580558
ykgH	gi 49175990 ref NC_000913.2	-	323920	324588	20.28609088	29.51734971	16.87078728	18.26317972	48.59226538	-0.225118699	0.116626757	0.0329224
betA	gi 49175990 ref NC_000913.2	-	324801	326471	509.6840836	439.6923383	473.0163756	450.5843778	354.8295171	0.184428897	0.315105808	0.1234768

betB	gi 49175990 ref NC_000913.2	-	326485	327957	724.3589698	603.0426878	655.9034433	579.6246247	490.5258916	0.242378535	0.452738253	0.1880015
betI	gi 49175990 ref NC_000913.2	-	327971	328558	540.9898634	606.0284683	385.2995583	487.3785924	399.4724491	0.41263881	1.356906824	0.7355514
betT	gi 49175990 ref NC_000913.2	+	328687	330720	1245.052196	1204.341305	651.9504449	951.0750014	533.3710454	0.780364605	2.920820536	1.9503926
yahA	gi 49175990 ref NC_000913.2	+	331595	332683	178.4631641	183.320417	126.8815406	138.0861316	192.4394408	0.231329645	0.491226096	0.2082617
yahB	gi 49175990 ref NC_000913.2	-	332725	333657	263.2863322	247.8708302	353.6512642	390.246377	470.7789674	-0.664702277	2.438131166	1.5508507
yahC	gi 49175990 ref NC_000913.2	-	333749	334246	11.47292111	9.472694187	12.32362763	21.07554961	13.55985891	-0.566339563	0.77804876	0.3565003
yahD	gi 49175990 ref NC_000913.2	+	334504	335109	37.30269124	35.1238187	70.09791865	70.53925661	57.40505075	-0.853056612	2.801133236	1.8492302
yahE	gi 49175990 ref NC_000913.2	+	335149	336012	12.94714133	17.13379788	26.30676008	14.88313051	30.05236076	-0.673997441	1.100524294	0.5577652
yahF	gi 49175990 ref NC_000913.2	+	336002	337549	17.50269932	10.37699816	27.39760817	25.67693761	14.86126198	-0.637534046	1.098104802	0.5577652
yahG	gi 49175990 ref NC_000913.2	+	337549	338967	54.74538166	57.95133836	62.24222202	64.91871882	52.89571912	-0.094340362	0.132066426	0.0394194
yahI	gi 49175990 ref NC_000913.2	+	339389	340339	24.1400704	20.86413237	27.99145886	28.07490738	31.34288425	-0.357242726	0.600547751	0.2668653
yahJ	gi 49175990 ref NC_000913.2	+	340349	341731	136.4609085	127.2436998	148.1675573	123.4972389	135.7395157	-0.026857739	0.05293833	0.0090435
yahK	gi 49175990 ref NC_000913.2	+	342108	343157	531.2869523	529.0389727	519.1965202	422.8144898	410.7552046	0.245631422	0.55948162	0.2438129
yahL	gi 49175990 ref NC_000913.2	+	343400	344215	6.168052763	7.610823367	4.789166473	13.45714217	20.95886236	-0.963642907	1.16611607	0.5987772
yahM	gi 49175990 ref NC_000913.2	+	344628	344873	164.3723213	181.4502549	137.5920774	183.708522	184.9121489	0.00926276	0.054176821	0.0096379
yahN	gi 49175990 ref NC_000913.2	-	344890	345561	61.38221532	74.14258302	148.762647	165.7829605	144.8150847	-1.199039526	5.787021929	4.412636
yahO	gi 49175990 ref NC_000913.2	+	345708	345983	270.0190186	271.6445126	153.2531021	909.5950633	455.6542798	-0.955372198	1.574972052	0.8819071
prpR	gi 49175990 ref NC_000913.2	-	346081	347667	49.43245944	43.65288817	57.28033386	67.12341165	57.29553668	-0.36794635	0.816334595	0.378439
prpB	gi 49175990 ref NC_000913.2	+	347906	348796	36.28601452	29.39141695	36.04570062	35.96371412	43.60323086	-0.210733979	0.342017944	0.1341942
prpC	gi 49175990 ref NC_000913.2	+	349236	350405	19.26544854	23.78042987	25.23541275	25.52826904	27.95337884	-0.247633357	0.240863917	0.0867246
prpD	gi 49175990 ref NC_000913.2	+	350439	351890	13.51378961	9.45293239	17.1671513	20.02454139	11.41452585	-0.456167585	0.517459569	0.2218965
prpE	gi 49175990 ref NC_000913.2	+	351930	353816	38.7280416	33.20172032	54.03801218	44.95234782	47.16212235	-0.412623102	0.896192856	0.4292932
codB	gi 49175990 ref NC_000913.2	+	354146	355405	150.1467281	187.1992367	250.5283016	216.1680654	117.383577	-0.215500094	0.330069487	0.1299192
codA	gi 49175990 ref NC_000913.2	+	355395	356678	285.216969	282.0850443	370.6835762	340.7300929	261.766465	-0.181335841	0.385295573	0.1537791
cynR	gi 49175990 ref NC_000913.2	-	357015	357914	58.60692341	59.84016454	48.34409174	56.09587482	67.06971839	0.039488795	0.064689204	0.0146814
cynT	gi 49175990 ref NC_000913.2	+	358023	358682	49.85589888	35.04913698	46.65240797	29.29974926	26.04692138	0.379114443	0.512485983	0.2202171
cynS	gi 49175990 ref NC_000913.2	+	358713	359183	21.33679383	22.80356314	30.36581764	30.21879881	24.80993137	-0.366545879	0.522157538	0.2235589
cynX	gi 49175990 ref NC_000913.2	+	359216	360370	58.679904	57.93024078	52.98120991	46.10819237	54.88112629	0.188062809	0.315089935	0.1234768
lacA	gi 49175990 ref NC_000913.2	-	360473	361084	20.72484343	21.8509464	19.55155048	45.49511333	29.25344501	-0.58632752	0.903638004	0.4348327
lacY	gi 49175990 ref NC_000913.2	-	361150	362403	53.54438203	55.09317607	55.11143632	70.57208731	76.09254979	-0.321902774	0.586442284	0.2584339
lacZ	gi 49175990 ref NC_000913.2	-	362455	365529	291.3025159	253.5362133	445.0993901	374.593595	372.5585539	-0.516743575	1.813047544	1.059862
lacI	gi 49175990 ref NC_000913.2	-	365652	366734	291.1447964	324.8799221	301.0078427	289.2799855	283.8621726	0.06752931	0.145447837	0.043659
mhpR	gi 49175990 ref NC_000913.2	-	366811	367644	37.06659352	39.90662288	38.89731695	26.98492087	21.56381024	0.411162532	0.707907791	0.3175779
mhpA	gi 49175990 ref NC_000913.2	+	367835	369499	12.15364473	9.465922042	6.322489501	6.819960152	15.35781342	0.339161928	0.263321937	0.0969652
mhpB	gi 49175990 ref NC_000913.2	+	369501	370445	10.35399358	6.604536695	7.794733578	3.553296655	13.1881746	0.143932302	0.015068113	0
mhpC	gi 49175990 ref NC_000913.2	+	370448	371329	14.5612687	23.82777382	18.87022943	24.56151091	21.3345719	-0.221605294	0.179290741	0.0569389
mhpD	gi 49175990 ref NC_000913.2	+	371339	372148	11.17903394	13.31509575	10.76348889	12.31997721	12.32612428	0.036789151	0.047350866	0.0075492
mhpF	gi 49175990 ref NC_000913.2	+	372145	373095	18.82996483	19.95161321	21.0746892	18.00088795	19.0898312	0.001683619	0	0
mhpE	gi 49175990 ref NC_000913.2	+	373092	374105	28.63962235	23.70240135	37.52612323	20.42145015	24.77873552	-0.03513852	0.07078317	0.0170551
mhpT	gi 49175990 ref NC_000913.2	+	374683	375894	62.39221186	47.40738504	57.92373351	54.8467808	40.65187286	0.14194577	0.131534803	0.0394194
yaiI	gi 49175990 ref NC_000913.2	+	375996	376535	340.0982571	278.2043238	298.7242249	322.8050123	305.1474435	0.026124278	0	0
frmB	gi 49175990 ref NC_000913.2	-	376759	377592	628.274855	661.0884804	566.5909035	471.2659368	677.1165575	0.165632152	0.355509159	0.1411458
frmA	gi 49175990 ref NC_000913.2	-	377686	378795	1338.610953	1233.762673	1141.867395	977.825351	1065.648953	0.2941015	0.711952254	0.3184473
frmR	gi 49175990 ref NC_000913.2	-	378830	379105	719.5434167	672.431147	696.4566378	480.1824221	519.5492971	0.327050913	0.736424122	0.3311722
yaiO	gi 49175990 ref NC_000913.2	-	379293	380066	53.70002012	51.27200331	76.99138828	74.06962629	80.70471593	-0.550952824	1.531014694	0.850008
insC	gi 49175990 ref NC_000913.2	+	380575	380940	771.9121241	869.1296598	818.6704563	801.6946591	858.0486795	-0.027410604	0.011795361	0
insD	gi 49175990 ref NC_000913.2	+	380898	381803	1304.219969	1315.489158	1105.338825	1160.339745	1134.081667	0.205824882	0.492138024	0.2085595
yaiP	gi 49175990 ref NC_000913.2	-	381963	383159	41.23132685	50.39190707	29.83684249	29.4080616	54.44761097	0.238326369	0.41428724	0.1691717
yaiS	gi 49175990 ref NC_000913.2	-	383283	383840	9.161871468	4.697087733	4.174995787	4.542453555	7.741767825	0.378728219	0.15603393	0.0487535
tauA	gi 49175990 ref NC_000913.2	+	384456	385418	7.240491805	11.44100563	15.81223569	13.51010582	14.59324772	-0.674802436	0.787427507	0.3620733
tauB	gi 49175990 ref NC_000913.2	+	385431	386198	7.015621852	5.679024552	11.73594348	10.09048538	7.949291262	-0.605027292	0.60694555	0.2686404
tauC	gi 49175990 ref NC_000913.2	+	386195	387022	16.67320052	12.30162047	6.984573265	13.29328579	9.021564622	0.580841527	0.697816935	0.3113985
tauD	gi 49175990 ref NC_000913.2	+	387019	387870	79.74661684	71.19423422	61.18898883	72.66826771	56.2567588	0.263744379	0.495370764	0.2099578
hemB	gi 49175990 ref NC_000913.2	-	387977	388951	1209.391353	1284.169968	1153.947006	1060.68493	1072.43622	0.181883547	0.423223224	0.1735234
insF	gi 49175990 ref NC_000913.2	-	390963	391829	119.3562085	143.4892626	157.5807674	262.7854118	168.5435973	-0.616435249	1.518053221	0.8390878
insE	gi 49175990 ref NC_000913.2	-	391826	392125	90.70480307	74.01307245	72.26103168	90.70035483	89.64637726	-0.016295065	0.032502535	0.0030156
yaiV	gi 49175990 ref NC_000913.2	+	393730	394353	17.60801716	29.54362067	26.70872183	25.8799017	32.39751735	-0.317846677	0.335799713	0.1322937

ampH	gi 49175990 ref NC_000913.2	-	394354	395511	327.6804454	372.3793654	386.5917321	419.3353721	461.9603133	-0.295861233	0.645433692	0.2883723
sbmA	gi 49175990 ref NC_000913.2	+	395863	397083	237.1239518	245.0612711	251.7227551	212.101615	242.2443343	0.035555241	0.055398407	0.0102387
yaiW	gi 49175990 ref NC_000913.2	+	397096	398190	393.106237	390.3652557	402.1595299	385.8181556	447.3924996	-0.072652663	0.123692983	0.0368896
yaiY	gi 49175990 ref NC_000913.2	-	398249	398557	38.39068102	39.89760744	42.90416527	52.61006171	51.54448362	-0.334568562	0.564677286	0.2463254
yaiZ	gi 49175990 ref NC_000913.2	+	398817	399029	144.5089703	142.461887	148.1360013	111.2572198	304.3874605	-1.375069813	7.783319784	6.1945947
ddlA	gi 49175990 ref NC_000913.2	-	399053	400147	1305.559614	1287.934042	1181.989976	1027.224911	1253.908087	0.171630341	0.3634977	0.1434578
iraP	gi 49175990 ref NC_000913.2	+	400610	400870	216.8972682	279.3505565	202.4941936	404.3674327	425.7517108	-0.5370724	1.04048087	0.5204761
phoA	gi 49175990 ref NC_000913.2	+	400971	402386	282.4409061	247.8409538	263.0476533	269.1631353	307.15952	-0.064128763	0.127523238	0.0373086
psiF	gi 49175990 ref NC_000913.2	+	402505	402825	129.2384159	167.266241	121.6396461	162.4066841	162.4903481	-0.052207612	0	0
adrA	gi 49175990 ref NC_000913.2	+	402927	404042	95.88005078	95.92684522	94.49732128	92.08569299	115.2968644	-0.072958222	0.09756009	0.0262976
proC	gi 49175990 ref NC_000913.2	-	404059	404868	409.7708378	455.9541343	465.6765934	459.6959116	464.4025912	-0.091233707	0.179934338	0.0572997
yaiC	gi 49175990 ref NC_000913.2	+	404988	405446	452.0583364	414.0743122	455.2341006	498.7671375	445.4365394	-0.096749107	0.198314781	0.0652279
aroL	gi 49175990 ref NC_000913.2	+	405629	406153	692.6749932	599.2607422	658.3224929	769.9575543	629.4850342	-0.069310303	0.154455854	0.0487404
yaiA	gi 49175990 ref NC_000913.2	+	406203	406394	995.8158359	1154.087703	1282.493793	1560.53801	1635.274532	-0.505713701	1.414554268	0.7686126
aroM	gi 49175990 ref NC_000913.2	+	406652	407329	388.0969267	380.861856	228.4246953	347.3883312	385.4481187	0.244344128	0.574801764	0.2512697
yaiE	gi 49175990 ref NC_000913.2	+	407401	407685	1294.491565	1408.601718	1944.888053	1785.021132	1998.83064	-0.509289357	1.515427165	0.8369706
rdgC	gi 49175990 ref NC_000913.2	-	408332	409243	268.3267248	309.6975862	197.8739805	204.0605027	210.8322103	0.478782223	1.593923788	0.8940999
mak	gi 49175990 ref NC_000913.2	+	409368	410276	323.0262999	266.8110468	463.4053121	364.1919853	177.0142834	-0.128799877	0.2721267	0.1011126
araJ	gi 49175990 ref NC_000913.2	-	410521	411705	203.057312	258.4485248	221.4979085	220.8470163	210.9582439	0.052175184	0.143849185	0.0431373
sbcB	gi 49175990 ref NC_000913.2	-	411831	414977	348.9252603	347.6252045	354.4696195	386.6950103	362.362273	-0.080903146	0.137800814	0.0415035
sbcD	gi 49175990 ref NC_000913.2	-	414974	416176	268.5063534	292.5753449	270.673527	242.3864647	298.1756228	0.041533396	0.08981844	0.023818
phoB	gi 49175990 ref NC_000913.2	+	416366	417055	154.597206	122.4330153	119.6792291	133.3251479	125.6530369	0.160462902	0.25530879	0.0928474
phoR	gi 49175990 ref NC_000913.2	+	417113	418408	192.0934113	173.7706017	169.9358432	168.2333152	180.5238857	0.09362675	0.137631131	0.0414936
brnQ	gi 49175990 ref NC_000913.2	+	418815	420134	1183.497131	1265.176958	985.3095652	1289.042377	1172.175861	0.071301609	0.174173136	0.0547989
proY	gi 49175990 ref NC_000913.2	+	420210	421583	563.9775968	582.2451151	464.4442518	488.7395408	455.4993854	0.282219005	0.762987907	0.3467545
malZ	gi 49175990 ref NC_000913.2	+	421742	423556	291.6193223	280.1728466	488.2045159	373.4733432	327.9164948	-0.448846155	1.333551223	0.7180515
acpH	gi 49175990 ref NC_000913.2	-	423561	424142	171.1067134	163.3446836	164.4903294	169.2282786	154.9016236	0.045115092	0.060129589	0.0118829
queA	gi 49175990 ref NC_000913.2	+	424235	425305	805.4699513	729.4052217	618.3243571	642.3561269	608.043097	0.314490553	0.821196331	0.3800739
tgt	gi 49175990 ref NC_000913.2	+	425361	426488	1885.321964	1929.074491	1590.657348	1375.923761	1721.632589	0.285495754	0.691816298	0.3097886
yajC	gi 49175990 ref NC_000913.2	+	426511	426843	2865.080012	3091.670062	2360.020576	1927.598555	2524.767746	0.383385243	1.053577162	0.5264481
secD	gi 49175990 ref NC_000913.2	+	426871	428718	3471.234401	3352.814468	3040.508938	2618.086142	2962.437006	0.257295917	0.59529756	0.2640643
secF	gi 49175990 ref NC_000913.2	+	428729	429700	1482.571838	1331.581081	1644.012564	1335.385743	1197.215252	0.044718427	0.027045778	0.0014853
yajD	gi 49175990 ref NC_000913.2	+	429829	430176	292.3467169	332.4869935	258.0823024	293.7538039	330.6585733	0.060173188	0.154532056	0.0487404
tsx	gi 49175990 ref NC_000913.2	-	430353	431237	3103.874794	3710.04793	3932.614479	3929.688985	4281.53206	-0.276866593	0.559779818	0.2438905
yajI	gi 49175990 ref NC_000913.2	-	431536	432075	96.52191907	122.6114015	119.4036061	130.9976741	105.6438223	-0.144860782	0.185579506	0.0597732
nrdR	gi 49175990 ref NC_000913.2	+	432226	432675	603.1647901	610.7305035	755.2341488	641.3246719	545.514014	-0.081941525	0.162854888	0.0516644
ribD	gi 49175990 ref NC_000913.2	+	432679	433782	991.9999188	964.9915062	1174.82556	1110.952735	893.2593135	-0.102635925	0.210198843	0.0715761
ribE	gi 49175990 ref NC_000913.2	+	433871	434341	1430.574325	1381.005274	1214.258942	1346.36993	1256.381216	0.145444841	0.29774082	0.1148535
nusB	gi 49175990 ref NC_000913.2	+	434361	434780	1986.176543	2094.356318	1993.801974	1621.52064	2101.896298	0.094388738	0.175195494	0.0550844
thiL	gi 49175990 ref NC_000913.2	+	434858	435835	440.1765644	390.3148232	503.13255	424.9382458	355.9531239	-0.013740512	0.06670165	0.0157502
pgpA	gi 49175990 ref NC_000913.2	+	435813	436331	914.0472341	981.1849588	1168.797872	1190.59493	1106.136639	-0.294901152	0.713838672	0.3184473
yajO	gi 49175990 ref NC_000913.2	-	436385	437359	861.4026062	832.9649541	1182.979884	1145.718499	963.852508	-0.362648349	1.027327755	0.5140349
dxs	gi 49175990 ref NC_000913.2	-	437539	439401	2070.10144	2181.738768	2189.173676	2097.785825	2336.444973	-0.062729677	0.08580529	0.0221491
ispA	gi 49175990 ref NC_000913.2	-	439426	440325	1126.0828	1201.538622	1298.682711	1175.116495	1296.661289	-0.117591939	0.210903296	0.0721266
xseB	gi 49175990 ref NC_000913.2	-	440325	440567	814.010215	802.5800827	799.9006102	669.6472492	875.8074715	0.051977411	0.086852038	0.0222447
thiI	gi 49175990 ref NC_000913.2	+	440773	442221	1057.100353	997.2706882	735.3592032	753.4890704	844.4797358	0.045417376	1.209184841	0.6262121
yajL	gi 49175990 ref NC_000913.2	-	442275	442865	267.6980894	261.1754024	296.5410971	249.0248496	249.1554129	0.025829257	0.016965623	0
panE	gi 49175990 ref NC_000913.2	-	442828	443739	577.8012404	606.9483108	615.8844127	689.3546096	625.9992618	-0.130142806	0.230901846	0.0815678
yajQ	gi 49175990 ref NC_000913.2	+	443907	444398	3460.083955	3766.040701	3165.431768	2698.892109	3400.866687	0.216041157	0.514436745	0.2209121
yajR	gi 49175990 ref NC_000913.2	-	444526	445890	236.2734885	262.1887668	187.4509511	198.479198	217.4645014	0.459236664	0.760155029	0.3458636
cyoE	gi 49175990 ref NC_000913.2	-	446039	446929	2519.075405	2417.246829	1947.188175	1584.471259	1905.715605	0.297326664	1.293561005	0.6901153
cyoD	gi 49175990 ref NC_000913.2	-	446941	447270	812.2514717	770.2683578	702.4660572	574.222489	606.9417736	0.350281801	0.934154178	0.4539297
cyoC	gi 49175990 ref NC_000913.2	-	447270	447884	1072.015777	1079.935231	1039.820618	864.6794761	1044.200604	0.133995152	0.262566377	0.0969211
cyoB	gi 49175990 ref NC_000913.2	-	447874	449865	2482.347576	2470.453815	2782.936244	2333.313463	2560.927199	-0.039815444	0.073009532	0.017532
cyoA	gi 49175990 ref NC_000913.2	-	449887	450834	2020.937683	2097.198004	2369.393934	2189.724941	2371.293834	-0.169296974	0.321989517	0.1253096
ampG	gi 49175990 ref NC_000913.2	-	451294	452769	788.2910748	743.6712572	530.0782552	578.6027577	694.0108667	0.349528853	0.97900591	0.4786629
yajG	gi 49175990 ref NC_000913.2	-	452813	453391	933.3380777	902.3010467	696.1174255	767.015274	994.4887265	0.15737134	0.342702422	0.1341942

bolA	gi 49175990 ref NC_000913.2	+	453696	454013	3250.209054	3951.30854	4484.63725	5259.012869	4350.266944	-0.415740497	0.995049536	0.4899061
tig	gi 49175990 ref NC_000913.2	+	454357	455655	8655.349852	8831.355186	6659.632397	6779.823656	9416.390175	0.18596294	0.39219385	0.1564777
clpP	gi 49175990 ref NC_000913.2	+	455901	456524	3572.949058	3983.559432	4279.572023	3754.85839	3932.842792	-0.088439468	0.133445328	0.0399341
clpX	gi 49175990 ref NC_000913.2	+	456650	457924	4861.979159	4674.950179	5046.407252	4672.951527	4371.568956	0.033289387	0.03837894	0.0042561
lon	gi 49175990 ref NC_000913.2	+	458112	460466	3956.7132	3576.938325	3233.570472	2658.356593	2494.993599	0.456935142	1.272591899	0.6763572
hupB	gi 49175990 ref NC_000913.2	+	460675	460947	9970.747763	10887.73099	11526.76123	10683.61823	13272.07275	-0.19628857	0.350328961	0.1391697
ppiD	gi 49175990 ref NC_000913.2	+	461139	463010	3223.958334	3047.914619	2958.592273	2874.679865	3002.846344	0.098908726	0.173169983	0.0547573
ybaV	gi 49175990 ref NC_000913.2	+	463161	463532	68.10790984	68.38339723	50.06296603	82.62500347	68.41006174	0.009551313	0.034977695	0.0036811
fadM	gi 49175990 ref NC_000913.2	+	463626	464024	68.93145448	63.60762437	64.85962097	61.67988418	59.51867796	0.108624036	0.150138567	0.0457811
queC	gi 49175990 ref NC_000913.2	-	464076	464771	359.9179499	330.4926996	389.6804715	393.3593719	309.9189679	-0.060713958	0.132065616	0.0394194
ybaE	gi 49175990 ref NC_000913.2	-	464836	466536	154.9935296	166.2410416	211.9632572	195.129413	190.7879105	-0.315455445	0.738250555	0.3324689
cof	gi 49175990 ref NC_000913.2	+	466636	467454	352.5808941	365.6896037	368.5602947	430.6725564	553.6344965	-0.34697429	0.79688881	0.3671003
ybaO	gi 49175990 ref NC_000913.2	+	467607	468065	246.8495546	234.5775982	192.5562492	189.5702104	212.9926669	0.28398385	0.6534896	0.2925288
mdlA	gi 49175990 ref NC_000913.2	+	468095	469867	564.9439564	528.0602613	453.0345922	400.2726322	355.8467449	0.458028969	1.377259674	0.7455258
mdlB	gi 49175990 ref NC_000913.2	+	469860	471641	541.3110917	456.7789887	378.0088895	343.2291	386.9057955	0.459371185	1.347374759	0.7291294
glnK	gi 49175990 ref NC_000913.2	+	471822	472160	6.74937048	8.564410798	4.214512573	5.629821251	7.763681244	0.353894168	0.275518819	0.1029688
amtB	gi 49175990 ref NC_000913.2	+	472190	473476	101.8750485	90.18480791	107.0229711	87.61712887	96.48718955	0.007331283	0.009708107	0
tesB	gi 49175990 ref NC_000913.2	-	473525	474385	373.798045	417.0126935	369.6948775	319.6656266	333.2119958	0.205279888	0.487912757	0.2057658
ybaY	gi 49175990 ref NC_000913.2	+	474603	475175	1164.427232	1296.540379	1046.710051	1069.493073	972.6787636	0.242928398	0.646686251	0.2891394
ybaZ	gi 49175990 ref NC_000913.2	-	475206	475595	148.0107651	129.1177627	165.4317226	145.9137493	-0.113281595	0.23842888	0.0855881	
ybaA	gi 49175990 ref NC_000913.2	+	475896	476249	198.4184603	220.3964181	145.2272969	167.0338325	181.5330787	0.324958226	0.873311863	0.4140035
ylaB	gi 49175990 ref NC_000913.2	-	476291	477841	560.6901757	602.2095794	438.8380783	551.5277736	602.0797151	0.1083282	0.25629268	0.0933812
ylaC	gi 49175990 ref NC_000913.2	-	478005	478475	1350.25367	1373.431705	1083.02926	1188.363713	1203.540749	0.226108808	0.554769979	0.2405348
maa	gi 49175990 ref NC_000913.2	-	478591	479142	1077.658488	1097.036815	720.2872053	1041.192849	941.0435262	0.253586679	0.647312634	0.2895228
hha	gi 49175990 ref NC_000913.2	-	479314	479532	1898.448586	2012.675105	919.2058653	1861.857693	2040.917182	0.241620571	0.51978827	0.2224743
tomB	gi 49175990 ref NC_000913.2	-	479558	479932	4396.42114	4880.17964	2744.6855	5402.377091	5614.865849	-0.030291942	0.025393512	0.0007012
acrB	gi 49175990 ref NC_000913.2	-	480478	483627	3808.905257	3593.105468	3178.413038	2832.128882	2903.111346	0.330730087	0.839761432	0.3936045
acrA	gi 49175990 ref NC_000913.2	-	483650	484843	1619.140055	1609.923961	1142.553212	1188.415657	1222.626085	0.444894714	1.428374092	0.7765289
acrR	gi 49175990 ref NC_000913.2	+	484985	485632	453.1676677	526.2604883	405.3649386	459.6844434	516.8585766	0.058308986	0.166658893	0.0525902
kefA	gi 49175990 ref NC_000913.2	+	485760	489122	1618.391276	1664.079339	1215.912186	1287.190934	1548.778942	0.269484157	0.672384904	0.301217
ybaM	gi 49175990 ref NC_000913.2	-	489334	489495	101.7128637	95.90562438	88.02703067	107.4715505	97.60411441	0.0173806	0.023669939	0.0005477
priC	gi 49175990 ref NC_000913.2	-	489509	490036	197.1559544	177.567923	177.9012883	198.2673797	167.2952527	0.061350484	0.076702619	0.018604
ybaN	gi 49175990 ref NC_000913.2	+	490106	490483	234.3898336	259.3380049	130.2674364	134.5733557	144.604213	0.837891098	3.756077984	2.6526686
apt	gi 49175990 ref NC_000913.2	+	490636	491187	783.6864099	780.7392729	367.7682817	431.9830663	734.8505859	0.592073773	1.805018024	1.0564929
dnaX	gi 49175990 ref NC_000913.2	+	491316	493247	1888.133947	1780.864859	1715.636545	1737.812711	1826.105267	0.06640821	0.104519466	0.0772229
ybaB	gi 49175990 ref NC_000913.2	+	493300	493629	1201.126611	1298.425755	1017.570264	948.632157	1059.931844	0.298666181	0.838707411	0.3929965
recR	gi 49175990 ref NC_000913.2	+	493629	494234	1124.18946	1199.639045	1087.975612	966.6967241	1228.023386	0.076884981	0.164258474	0.0519647
htpG	gi 49175990 ref NC_000913.2	+	494344	496218	3463.09681	3284.419245	1085.980145	840.0733102	1030.778062	1.790711688	13.65613597	11.497932
adk	gi 49175990 ref NC_000913.2	+	496399	497043	3458.920615	3660.597844	2497.710678	2662.891497	3438.764926	0.294337392	0.781402359	0.3587266
hemH	gi 49175990 ref NC_000913.2	+	497279	498241	626.5991574	618.3170687	546.2130063	443.1420641	540.5522371	0.294883854	0.75835783	0.3450565
aes	gi 49175990 ref NC_000913.2	-	498238	499197	174.1141041	216.6447407	183.7166795	202.9831905	236.4164517	-0.125671696	0.135035396	0.0403231
gsk	gi 49175990 ref NC_000913.2	+	499349	500653	1053.126296	1048.585906	907.3427757	837.6217824	906.3129454	0.252544262	0.612564831	0.2710778
ybaL	gi 49175990 ref NC_000913.2	-	500786	502462	1960.034494	1866.352422	1738.118621	1404.882306	1221.937627	0.41714075	1.050562783	0.5248671
fsr	gi 49175990 ref NC_000913.2	-	502700	503920	375.9231958	390.3853649	256.3636495	262.4164103	291.4955505	0.495508578	1.683256887	0.9681742
ushA	gi 49175990 ref NC_000913.2	+	504138	505790	900.9108573	779.7243432	1016.697049	962.8711444	675.8066936	-0.043125841	0.120740702	0.035482
ybaK	gi 49175990 ref NC_000913.2	-	505827	506306	191.7476861	194.713502	131.5880591	139.0145963	142.4073083	0.483999305	1.463852037	0.7989872
ybaP	gi 49175990 ref NC_000913.2	-	506510	507304	641.7265512	636.3657602	551.3658019	632.3358699	713.142301	0.006901303	0.027165368	0.0014853
ybaQ	gi 49175990 ref NC_000913.2	+	507442	507783	317.1487059	339.108298	252.4006748	431.2322535	401.354893	-0.171968715	0.240684963	0.0867246
copA	gi 49175990 ref NC_000913.2	-	508099	510603	1013.357869	1013.444958	1768.008142	1734.268307	1382.326841	-0.677352349	2.544633378	1.6388695
ybaS	gi 49175990 ref NC_000913.2	+	510865	511797	79.43906763	61.65344566	87.08283591	55.05185753	37.50995569	0.294225787	0.347884939	0.1376443
ybaT	gi 49175990 ref NC_000913.2	+	511800	513092	161.8954944	141.4649251	172.5505098	143.4412085	98.09968315	0.171012155	0.221734384	0.0773895
cueR	gi 49175990 ref NC_000913.2	+	513217	513624	446.699535	449.2593209	550.3668113	535.8845795	498.1838197	-0.234967171	0.565078044	0.2463254
ybbJ	gi 49175990 ref NC_000913.2	-	513625	514083	347.580641	355.2350624	408.2715776	391.2419749	349.0557903	-0.121545027	0.234874434	0.0834468
qmcA	gi 49175990 ref NC_000913.2	-	514080	514997	416.2567861	438.8327796	520.33811661	551.5743167	554.0974411	-0.352455646	0.944659431	0.4592492
ybbL	gi 49175990 ref NC_000913.2	+	515143	515820	344.9480965	300.0756918	274.8877945	301.4906944	283.8302281	0.185687004	0.35698042	0.1413425
ybbM	gi 49175990 ref NC_000913.2	+	515807	516586	190.540838	189.9568187	155.4159038	178.0629608	148.2232753	0.242960405	0.535270919	0.2300624
ybbN	gi 49175990 ref NC_000913.2	-	516649	517503	1216.562244	1209.103213	1047.258311	866.7788518	839.2585676	0.413943785	1.189308913	0.6164224

ybbO	gi 49175990 ref NC_000913.2	-	517564	518373	575.3864982	585.0875387	523.7329258	501.1323655	458.9553912	0.232497215	0.548453985	0.2367121
tesA	gi 49175990 ref NC_000913.2	-	518363	518989	555.5855865	606.9665829	672.3203958	616.7028713	615.9086212	-0.13540236	0.247996594	0.0904131
ybbA	gi 49175990 ref NC_000913.2	+	518957	519643	226.3764891	235.5660049	338.4611835	285.854384	214.7207436	-0.265696093	0.587577456	0.2587763
ybbP	gi 49175990 ref NC_000913.2	+	519640	522054	296.0580452	231.6469272	434.8369407	353.0786719	228.3668175	-0.30640938	0.768638918	0.3493363
rhdD	gi 49175990 ref NC_000913.2	+	522485	526765	167.1849663	167.1625409	214.5180159	211.7702983	168.5572208	-0.239927676	0.511306198	0.2196639
ybbC	gi 49175990 ref NC_000913.2	+	526805	527173	5.728068396	4.732765067	10.42042582	10.03466172	5.749529971	-0.698060856	0.669120994	0.2995062
selU	gi 49175990 ref NC_000913.2	-	529356	530450	124.2731438	124.4214998	185.8664113	153.5635922	111.5185727	-0.256709458	0.529585328	0.2272311
allS	gi 49175990 ref NC_000913.2	-	530519	531445	18.41532142	16.12128693	25.62907296	35.6994672	29.2100882	-0.795862996	1.782920718	1.0409668
allA	gi 49175990 ref NC_000913.2	+	531675	532157	33.18037744	38.02186357	20.9425884	34.75368567	46.71071307	0.023638419	0.055924109	0.0102387
allR	gi 49175990 ref NC_000913.2	+	532235	533050	1410.380931	1362.009218	1334.23972	1235.520419	1152.192876	0.170885399	0.337505212	0.1331079
gcl	gi 49175990 ref NC_000913.2	+	533140	534921	37.82108821	37.98917326	36.19957877	42.56417731	43.67509194	-0.112331596	0.110241801	0.0301426
hyi	gi 49175990 ref NC_000913.2	+	534934	535710	4.877674646	6.66578937	5.264229577	5.571758257	3.438691693	0.26103482	0.174453609	0.0547989
glxR	gi 49175990 ref NC_000913.2	+	535810	536688	7.102866515	4.7176594	5.443929493	7.781585443	5.651201584	-0.055161669	0	0
ybbW	gi 49175990 ref NC_000913.2	+	536857	538311	7.382691097	9.517861456	6.711026178	2.437891605	12.07899783	0.230583801	0.163127355	0.0517718
allB	gi 49175990 ref NC_000913.2	+	538371	539732	106.7502277	128.2903789	90.0204519	106.7038142	160.8929405	-0.060696207	0.014005528	0
ybbY	gi 49175990 ref NC_000913.2	+	539789	541090	46.13831716	43.6720028	55.76334406	68.09245888	44.03952012	-0.310354906	0.572861459	0.2503008
glxK	gi 49175990 ref NC_000913.2	+	541112	542257	44.16573632	19.78096701	46.80360891	32.60783347	27.17632152	-0.055866552	0.160322174	0.0496823
yIbA	gi 49175990 ref NC_000913.2	-	542485	543270	133.7580015	132.9670644	98.18626103	77.6989788	117.4434164	0.448830612	1.189551217	0.6164224
allC	gi 49175990 ref NC_000913.2	-	543281	544516	86.07001201	98.82555815	74.71488571	75.26383002	97.30683033	0.142462009	0.285435138	0.1086502
allD	gi 49175990 ref NC_000913.2	-	545538	545587	9.586906433	7.572131305	17.04485614	12.44802714	15.68543284	-0.773768288	1.232201918	0.644367
fdRA	gi 49175990 ref NC_000913.2	+	545904	547571	6.774937048	8.564410798	10.76349322	11.24709667	13.3979193	-0.634459465	0.632555279	0.2835224
yIbF	gi 49175990 ref NC_000913.2	+	548850	549665	17.20409634	14.21464287	17.654593	18.07869653	28.88325804	-0.442754125	0.582705228	0.256092
ybcF	gi 49175990 ref NC_000913.2	+	549662	550555	29.02039718	41.87925588	46.56694918	72.19415425	25.23293792	-0.477827451	0.604595819	0.2677516
purK	gi 49175990 ref NC_000913.2	+	550750	551817	404.5670286	389.4014725	822.9647232	1028.167349	286.0745556	-0.826483725	1.912493118	1.1344485
purE	gi 49175990 ref NC_000913.2	-	551814	552323	474.7968459	522.4362662	753.5788526	1071.925413	424.910454	-0.602365627	1.424243577	0.7750308
lpXH	gi 49175990 ref NC_000913.2	-	552441	553163	703.8485443	773.1867574	577.8662727	612.3080165	783.6626411	0.144096143	0.351741507	0.1397671
ppiB	gi 49175990 ref NC_000913.2	-	553166	553660	4040.450289	4597.14789	2294.977521	2574.321127	3444.26623	0.608036843	2.223312121	1.3730656
cysS	gi 49175990 ref NC_000913.2	+	553834	555219	1186.183274	1210.065446	903.7467102	808.6596982	1101.145858	0.347743189	0.958927756	0.4666554
ybcI	gi 49175990 ref NC_000913.2	-	555255	555776	116.3407755	133.0209705	103.966913	121.008474	121.0708385	0.088528506	0.203410452	0.0682219
ybcJ	gi 49175990 ref NC_000913.2	-	555884	556096	162.4455539	181.4550893	253.4554948	267.8561723	242.4018922	-0.580570911	1.815049699	1.0606544
fold	gi 49175990 ref NC_000913.2	-	556098	556964	782.2396079	822.5564169	1008.093037	1059.27845	841.6046202	-0.277210529	0.651618944	0.2917747
sfmA	gi 49175990 ref NC_000913.2	+	557435	557977	5.270673627	10.50606766	2.862396646	2.343814604	7.670168311	0.792941724	0.764211603	0.3470783
sfmC	gi 49175990 ref NC_000913.2	+	558197	558889	22.45412698	16.08744381	13.93343263	20.21246776	27.76892067	-0.083108444	0.089665566	0.023818
sfmD	gi 49175990 ref NC_000913.2	+	558920	561523	60.83647977	53.14492797	60.39850108	69.58954425	88.29379065	-0.346738073	0.731185928	0.3283671
sfmH	gi 49175990 ref NC_000913.2	+	561559	562542	10.82456162	10.823290243	7.119893421	9.079897181	17.6500808	-0.735940592	0.862350852	0.4074687
sfmF	gi 49175990 ref NC_000913.2	+	562553	563068	7.721867774	14.31605169	16.46491044	15.92223306	33.20485016	-1.049253364	1.69846805	0.9795332
fimZ	gi 49175990 ref NC_000913.2	-	563071	563703	15.17583578	14.23350505	8.294029391	14.42164466	10.14509647	0.418844593	0.485503781	0.2045802
intD	gi 49175990 ref NC_000913.2	-	564038	565201	827.5874688	891.9044154	519.1508956	799.2103558	905.8563132	0.180193088	0.441692081	0.180966
insE	gi 49175990 ref NC_000913.2	+	566065	566364	97.79880337	96.87307477	88.92544628	89.6904239	88.63523014	0.129287992	0.222514086	0.0773895
insF	gi 49175990 ref NC_000913.2	+	566361	567227	124.9836006	121.5610831	185.8959685	210.5768894	175.1568694	-0.625761686	2.022058293	1.2142331
emrE	gi 49175990 ref NC_000913.2	+	567538	567870	136.2412785	172.005915	110.4138698	94.51401339	146.498845	0.361169823	0.978113325	0.4781148
ybcK	gi 49175990 ref NC_000913.2	+	568125	569651	8.668448052	21.02114091	13.59901257	21.11330252	14.66803302	-0.237380675	0.073242466	0.017532
ybcL	gi 49175990 ref NC_000913.2	+	570116	570667	25.86875594	38.08004471	30.90013434	31.51983429	43.4942424	-0.189771998	0.159368343	0.049678
ybcM	gi 49175990 ref NC_000913.2	+	570677	571474	42.67830854	64.70853008	35.53742376	55.95312534	62.5347554	-0.002381071	0.083860123	0.021045
yIcH	gi 49175990 ref NC_000913.2	+	571591	571692	5.911004058	2.810376305	6.753483596	7.840855767	7.844757545	-0.707164885	0.663425995	0.2976012
ybcN	gi 49175990 ref NC_000913.2	+	571689	572144	13.8219353	14.2468433	25.95068631	11.52589527	23.43686814	-0.516010445	0.632599917	0.2835224
ninE	gi 49175990 ref NC_000913.2	+	572144	572314	6.009951485	1.851346523	15.13808403	6.83971568	5.765559799	-1.10240571	1.360855913	0.7377132
ybcO	gi 49175990 ref NC_000913.2	+	572307	572597	4.035956479	0.913377903	4.174993429	5.611118416	6.67924723	-1.029475546	0.668397946	0.2992823
rusA	gi 49175990 ref NC_000913.2	+	572594	572956	4.659780709	9.553297585	4.325707659	7.82104854	8.8907475	-0.055256112	0	0
quuD	gi 49175990 ref NC_000913.2	+	573179	573562	3.682884278	14.37306559	13.72857653	21.18279364	19.03996759	-1.111205422	1.595648882	0.8952905
insH	gi 49175990 ref NC_000913.2	-	573960	574976	947.684988	961.2119702	851.0864103	967.5181834	1034.047187	-0.004617894	0.011197326	0
essD	gi 49175990 ref NC_000913.2	+	576621	576836	25.00312373	17.98378259	17.96288493	19.29163499	39.85415162	-0.241459968	0.266781429	0.0981516
rrrD	gi 49175990 ref NC_000913.2	+	576836	577333	43.90914815	49.41905458	35.20908674	36.12445704	63.40941095	0.029162286	0.04562916	0.0069576
rzpD	gi 49175990 ref NC_000913.2	+	577330	577791	50.2595493	55.11190101	56.33792217	30.67825492	52.55939865	0.181778464	0.265688875	0.0973125
rzoD	gi 49175990 ref NC_000913.2	+	577550	577732	29.30702974	23.69751822	41.51887171	20.51213409	31.4046685	-0.191036441	0.263147373	0.0969652
borD	gi 49175990 ref NC_000913.2	-	577823	578116	259.3326108	315.4197435	70.01789106	62.17257762	143.7218132	1.599488573	8.050693166	6.4320048
ybcW	gi 49175990 ref NC_000913.2	+	579103	579309	37.34735403	48.50749223	47.63792017	87.07547022	73.95479089	-0.744089241	1.710571857	0.9882747

ylcl	gi 49175990 ref NC_000913.2	-	579474	579668	14.35768423	7.527321521	21.22319581	19.13641924	22.38671282	-0.871506889	1.666276724	0.9545388
nohD	gi 49175990 ref NC_000913.2	+	580057	580602	15.03982314	16.15301711	14.03961172	23.50917942	28.91483827	-0.528612986	0.662913793	0.2976012
appY	gi 49175990 ref NC_000913.2	+	582904	583653	16.14887507	10.38841495	9.45363495	17.599023	4.730743658	0.356151431	0.297245104	0.1146545
ompT	gi 49175990 ref NC_000913.2	-	583903	584856	77.66510564	75.01924565	26.74088815	77.78825657	50.52802694	0.535280932	1.165716875	0.5987715
envY	gi 49175990 ref NC_000913.2	-	585370	586131	56.09438107	56.98910294	52.70119377	77.21177406	79.44535933	-0.32017967	0.58505965	0.2574398
ybcH	gi 49175990 ref NC_000913.2	-	586314	587204	95.65069089	81.62504525	89.19204463	85.38453162	110.7811734	-0.086053621	0.154843333	0.0487535
nfrA	gi 49175990 ref NC_000913.2	-	587205	590177	328.3395206	303.901729	395.5727365	391.3789816	438.4477686	-0.361271712	1.016236293	0.507037
nfrB	gi 49175990 ref NC_000913.2	-	590164	592401	313.3050025	280.1418505	354.491627	340.9995662	412.5533799	-0.303382773	0.798745681	0.3680957
cusS	gi 49175990 ref NC_000913.2	-	592551	593993	204.2632816	214.6740975	147.0329616	199.4435846	213.9737462	0.143312683	0.304442848	0.1175135
cusR	gi 49175990 ref NC_000913.2	-	593983	594666	164.0244292	164.3138685	128.8322055	126.7695872	140.1127959	0.313976005	0.755266478	0.3439111
cusC	gi 49175990 ref NC_000913.2	+	594823	596196	12.09090608	20.02055765	21.36183858	18.10541868	27.84251904	-0.528612986	0.636198962	0.284622
cusF	gi 49175990 ref NC_000913.2	+	596354	596686	11.32137706	11.39392591	5.838774583	6.894481066	18.66851447	0.095143885	0.087078628	0.0224427
cusB	gi 49175990 ref NC_000913.2	+	596702	597925	16.87180919	19.01157824	15.037012	19.07646243	23.39625129	-0.115542491	0.040899664	0.0047848
cusA	gi 49175990 ref NC_000913.2	+	597937	601080	85.3807825	77.8490317	104.1395851	81.99622712	84.24367893	-0.120884535	0.23441618	0.0831396
pheP	gi 49175990 ref NC_000913.2	+	601182	602558	647.6640691	717.1514533	512.6016917	532.6467524	623.4219907	0.187590861	0.761767229	0.3466446
mscM	gi 49175990 ref NC_000913.2	-	602639	603886	673.6401967	722.8355477	660.2452856	566.346693	605.7644626	0.279265372	0.440482044	0.1808157
nfsB	gi 49175990 ref NC_000913.2	-	603994	604647	1266.937917	1297.449992	1095.19326	1194.07734	1370.480091	0.060589779	0.13150709	0.0394194
ybdF	gi 49175990 ref NC_000913.2	-	604741	605109	165.6256773	183.3511084	147.7262445	168.1074648	169.3031048	0.090313937	0.192314706	0.062551
ybdJ	gi 49175990 ref NC_000913.2	-	605174	605422	182.9538478	183.3101986	162.1102039	170.4144335	176.0485385	0.108252541	0.20337445	0.0682219
ybdK	gi 49175990 ref NC_000913.2	-	605488	606606	465.3634023	507.2348274	446.9766645	523.1344487	335.8834755	0.049610834	0.313171137	0.1222592
hokE	gi 49175990 ref NC_000913.2	+	607059	607211	25.00312373	17.98378259	23.78154439	19.19008865	24.60744627	-0.03079859	0.048454683	0.0080312
insL	gi 49175990 ref NC_000913.2	+	607288	608400	839.4935291	927.0591068	667.8712208	691.8708771	828.6593311	0.255436903	0.708836374	0.3175779
entD	gi 49175990 ref NC_000913.2	-	608682	609302	43.51749826	30.30368685	45.68939416	29.37032916	34.83462891	0.064103709	0	0
fepA	gi 49175990 ref NC_000913.2	-	609477	611717	150.6654082	156.7304131	133.747399	155.6826547	140.0298261	0.280064928	0.61956589	0.2761184
fes	gi 49175990 ref NC_000913.2	+	612038	613162	48.64455909	46.52394017	45.65448048	22.81066442	40.26118017	0.412495661	0.725446748	0.3248854
ybdZ	gi 49175990 ref NC_000913.2	+	613165	613383	16.1977049	19.01816564	6.477028017	2.373562201	6.658766866	1.748117487	3.656606648	2.5693596
entF	gi 49175990 ref NC_000913.2	+	613380	617261	360.5453175	331.4429964	160.8919396	162.6804309	192.7142541	1.014271879	5.099050509	3.815472
fepE	gi 49175990 ref NC_000913.2	+	617477	618610	29.33412951	35.18165437	13.09689695	8.00449147	13.3807851	1.470539115	4.35163255	3.1665998
fepC	gi 49175990 ref NC_000913.2	-	618607	619422	151.8468465	162.4406244	29.21241732	31.32809992	27.00471782	2.417144394	20.5638924	17.90822
fepD	gi 49175990 ref NC_000913.2	-	619419	620411	139.6916078	158.6651701	59.97547019	57.33885476	74.91448059	1.197651468	6.505261388	5.0476353
fepG	gi 49175990 ref NC_000913.2	-	620408	621412	336.1496636	351.4459326	105.4857651	120.0112523	142.1793824	1.471817485	9.725861113	7.9420215
entS	gi 49175990 ref NC_000913.2	+	621523	622773	171.945901	152.8687516	73.05312154	63.01612669	86.12705163	1.146579782	5.737552442	4.378058
fepB	gi 49175990 ref NC_000913.2	-	622777	623733	147.0641781	143.4074093	54.75301543	55.06376362	70.42981408	1.270198639	7.062281939	5.5387274
entC	gi 49175990 ref NC_000913.2	+	624108	625283	144.8403414	158.6506973	144.446689	96.94852506	175.6177722	0.117461557	0.206886596	0.070021
entE	gi 49175990 ref NC_000913.2	+	625293	626990	136.250164	137.7226444	115.6956403	69.91601649	95.32411316	0.562828551	1.577826308	0.8827837
entB	gi 49175990 ref NC_000913.2	+	626917	627774	118.3018736	104.4293074	34.08324584	25.90809552	28.09346631	1.945308281	12.40925234	10.422587
entA	gi 49175990 ref NC_000913.2	+	627774	628520	174.2844045	132.8649831	100.3626724	82.00024743	88.65581274	0.807389387	2.898036739	1.9331534
entH	gi 49175990 ref NC_000913.2	+	628523	628936	83.20360951	65.45549544	38.11649349	26.02766217	36.9196167	1.176124147	4.483474889	3.2818004
cstA	gi 49175990 ref NC_000913.2	+	629117	631222	891.1382662	842.4525096	1665.750331	1229.987852	933.8782281	-0.526714345	1.627560081	0.9229017
ybdD	gi 49175990 ref NC_000913.2	+	631405	631602	82.35231969	92.16698602	117.7879176	112.0956614	101.1083902	-0.346910129	0.787706875	0.3620573
ybdH	gi 49175990 ref NC_000913.2	-	631612	632700	221.2413814	192.7507497	283.5721833	269.0587265	244.7088152	-0.337066693	0.916727137	0.4427423
ybdL	gi 49175990 ref NC_000913.2	+	632809	633969	74.97249587	100.7809511	119.3448063	108.8836342	123.3072928	-0.449727974	1.037773346	0.5202286
ybdM	gi 49175990 ref NC_000913.2	-	633970	634599	46.2398343	57.04631221	35.39045833	43.85632689	65.70918882	0.055761287	0.109691643	0.0297206
ybdN	gi 49175990 ref NC_000913.2	-	634572	635792	36.84284518	31.30100719	18.15582467	33.48589039	34.58495895	0.241581112	0.339203829	0.1335511
ybdO	gi 49175990 ref NC_000913.2	-	635939	636841	22.128163	20.88070977	15.93162492	15.7088762	15.71686	0.452559725	0.641974305	0.286746
dsbG	gi 49175990 ref NC_000913.2	-	637050	637796	161.4544593	164.3202423	104.1097703	235.8995413	189.4454041	-0.147156871	0.152455224	0.0474193
ahpC	gi 49175990 ref NC_000913.2	+	638168	638731	10513.22668	12094.01772	9383.151006	10284.26177	11118.43799	0.11234922	0.26759705	0.0984343
ahpF	gi 49175990 ref NC_000913.2	+	638976	640541	2948.113439	2863.664169	3454.851367	3408.33343	3561.457041	-0.25421014	0.607946583	0.2691543
uspG	gi 49175990 ref NC_000913.2	-	640662	641090	1983.830619	2385.062907	3519.871963	3755.704403	3364.210329	-0.726461188	2.691502946	1.7646356
ybdR	gi 49175990 ref NC_000913.2	+	641311	642549	158.5277309	149.0919046	172.4280104	178.7922238	159.4144474	-0.135061643	0.261594166	0.096505
rnk	gi 49175990 ref NC_000913.2	-	642780	643190	422.2037881	410.3015758	385.6372994	364.7950792	612.8013272	-0.133789484	0.210896021	0.0721266
rna	gi 49175990 ref NC_000913.2	-	643420	644226	518.3364821	569.9267593	556.2326066	527.1690693	677.1874526	-0.126294489	0.195812491	0.0641759
citT	gi 49175990 ref NC_000913.2	-	644340	645803	78.37961853	73.10812294	121.0252002	124.5087442	138.9517363	-0.752956324	2.769609517	1.8262131
citG	gi 49175990 ref NC_000913.2	-	645854	646732	8.616611319	21.98082158	13.3460333	10.24639625	17.77632113	0.062194732	0.139721297	0.0418239
citX	gi 49175990 ref NC_000913.2	-	646707	647258	20.72484343	21.8509464	14.90824558	10.3696884	27.61758938	0.258191069	0.305633033	0.1183085
citF	gi 49175990 ref NC_000913.2	-	647262	648794	4.35070241	14.36280526	21.4277313	23.54242778	24.63529884	-1.405188583	2.646690763	1.7251962
citE	gi 49175990 ref NC_000913.2	-	648805	649713	24.99413988	9.365188223	25.60138719	33.51928286	30.28295298	-0.71599491	1.591033964	0.891744

citD	gi 49175990 ref NC_000913.2	-	649710	650006	2.548739145	1.886824264	5.673914474	13.22828817	6.82459586	-1.886466075	2.115075579	1.2876338
citC	gi 49175990 ref NC_000913.2	-	650021	651079	61.08185681	47.41361328	49.36313041	59.27192154	50.55245364	0.056884219	0.043294636	0.0060195
dpiB	gi 49175990 ref NC_000913.2	+	651458	653116	166.0211986	160.5003549	201.0211409	162.7421296	171.7071803	-0.114852022	0.222885838	0.0773895
dpiA	gi 49175990 ref NC_000913.2	+	653085	653765	287.5000235	306.8135422	806.9587445	638.1075545	626.1426329	-1.211826981	6.748819216	5.2660096
dcuC	gi 49175990 ref NC_000913.2	-	653806	655191	2032.793615	2191.24784	8098.242914	6153.02202	5686.412014	-1.647449295	10.25394475	8.4221816
pagP	gi 49175990 ref NC_000913.2	+	655780	656340	90.93397471	87.3643912	97.32231894	126.3981617	99.97109078	-0.276396618	0.569591147	0.2490427
cspE	gi 49175990 ref NC_000913.2	+	656515	656724	65150.52416	72662.54727	68358.97581	51817.81699	117433.1269	-0.227452705	0.307350276	0.1188375
crcB	gi 49175990 ref NC_000913.2	-	656778	657161	176.5695654	181.4208769	231.0378504	246.5896824	236.7082165	-0.417035589	1.109394385	0.5635634
tatE	gi 49175990 ref NC_000913.2	+	658170	658373	607.4719735	635.4047641	762.9326819	713.2159658	827.6721303	-0.312072672	0.797606651	0.3675312
lipA	gi 49175990 ref NC_000913.2	-	658474	659439	2233.019279	2274.803866	1542.371273	1659.409334	2016.509201	0.362404096	0.969211581	0.4722371
ybeF	gi 49175990 ref NC_000913.2	-	659648	660601	108.5070696	108.2734395	74.36986711	119.8060678	133.1082896	-0.030551506	0	0
lipB	gi 49175990 ref NC_000913.2	-	660860	661501	486.3442138	505.313162	381.9720721	384.491519	350.1167861	0.410391095	1.27320175	0.676546
ybeD	gi 49175990 ref NC_000913.2	-	661602	661865	508.2653951	554.7262596	506.761948	441.9913288	552.7914947	0.07535517	0.163592599	0.0518508
dacA	gi 49175990 ref NC_000913.2	-	661975	663186	1123.213663	1103.668716	640.3320663	717.623568	875.6773927	0.572437356	2.064319638	1.2481956
rlpA	gi 49175990 ref NC_000913.2	-	663325	664413	857.1494859	949.8562923	837.4022574	828.6372016	937.5952146	0.040714706	0.10589825	0.0283572
mrdB	gi 49175990 ref NC_000913.2	-	664424	665536	838.3366365	897.60019	855.7714211	802.8900098	911.8327722	0.008855858	0.033442304	0.0030156
mrDA	gi 49175990 ref NC_000913.2	-	665539	667440	1238.0694	1211.945443	858.6713112	799.6253899	1030.535387	0.450636967	1.400207081	0.767065
rlmH	gi 49175990 ref NC_000913.2	-	667471	667938	683.4728218	658.1978557	433.315169	484.4170291	585.1770073	0.416395041	1.236652998	0.6466853
ybeB	gi 49175990 ref NC_000913.2	-	667942	668259	810.860392	961.2863238	547.173262	549.5616511	709.6597406	0.526046285	1.975207571	1.1824631
cobC	gi 49175990 ref NC_000913.2	-	668519	669130	256.1522934	256.4454146	245.8800382	251.2584656	300.3621958	-0.058134567	0.082133412	0.0207313
nadD	gi 49175990 ref NC_000913.2	-	669154	669795	399.6627787	446.4577337	330.7014886	364.298775	356.6846424	0.251537659	0.676885663	0.3033725
hoiA	gi 49175990 ref NC_000913.2	-	669797	670828	1017.728608	1031.497708	1007.500188	1060.686148	1220.193034	-0.105404459	0.177020845	0.0559818
lptE	gi 49175990 ref NC_000913.2	-	670828	671409	1052.586192	1021.029038	1040.022596	969.8987153	1033.084775	0.037959229	0.056471047	0.0106306
leuS	gi 49175990 ref NC_000913.2	-	671424	674006	3866.859371	3748.887743	3951.391936	3344.452286	3043.543344	0.15981644	0.285466637	0.1086502
ybeL	gi 49175990 ref NC_000913.2	+	674241	674723	1838.55531	1920.536175	2618.836238	2893.374926	2169.790895	-0.450657248	1.200515166	0.6212005
ybeQ	gi 49175990 ref NC_000913.2	-	674793	675770	189.8282324	240.3989419	257.6795399	275.7748767	279.258234	-0.367890565	0.817467436	0.3785126
ybeR	gi 49175990 ref NC_000913.2	+	675934	676641	9.586906433	7.572131305	6.711023022	3.527066021	11.01801375	0.293995649	0.164757226	0.0519869
djIB	gi 49175990 ref NC_000913.2	+	676638	678065	44.38595577	38.90354355	26.28981608	43.66846737	53.48686772	0.010447876	0.007138433	0
ybeT	gi 49175990 ref NC_000913.2	-	678075	678629	9.340701599	21.01254315	6.012134511	14.51370487	17.73300498	0.146475599	0.257923945	0.0943277
ybeU	gi 49175990 ref NC_000913.2	+	678731	679438	16.22829426	9.428945479	9.056157859	4.608373327	7.826562203	0.894285684	1.019154729	0.509266
djIC	gi 49175990 ref NC_000913.2	+	679435	680886	73.9150405	70.26519749	52.08093098	54.99471434	63.78067077	0.340982943	0.72448126	0.3248854
hscC	gi 49175990 ref NC_000913.2	-	680946	682616	97.65688437	79.71055637	136.7726838	147.8887248	133.5732166	-0.628265944	2.17840755	1.3334161
rihA	gi 49175990 ref NC_000913.2	-	682700	683635	1424.830686	1400.960052	3755.173674	3200.970787	3051.32389	-1.227050991	6.609319127	5.1392838
gltL	gi 49175990 ref NC_000913.2	-	683753	684478	198.7235723	199.4577378	294.5614016	242.1443245	178.8478839	-0.24374266	0.517215127	0.2218965
gltK	gi 49175990 ref NC_000913.2	-	684478	685152	145.1484416	113.8825853	196.7839637	178.1460712	127.2025826	-0.32640336	0.814412222	0.3771007
gltJ	gi 49175990 ref NC_000913.2	-	685152	685892	76.47285905	93.1463511	115.69548	93.07164845	72.16211785	-0.151014609	0.231647267	0.0820292
gltI	gi 49175990 ref NC_000913.2	-	686062	686970	309.8705905	368.6005995	443.5314949	566.8726998	413.0853325	-0.512943478	1.437218282	0.7820287
insH	gi 49175990 ref NC_000913.2	-	687220	688236	875.6390917	917.5360286	845.6047996	955.1244609	943.3171404	-0.041234694	0.043342397	0.0060195
lnt	gi 49175990 ref NC_000913.2	-	688566	690104	1384.947333	1413.325367	960.6861702	957.5159299	1017.331882	0.511569596	1.845249701	1.08414
ybeX	gi 49175990 ref NC_000913.2	-	690129	691007	1524.31994	1590.951015	1003.240276	1003.511711	1110.368227	0.575301737	2.165677954	1.3280853
ybeY	gi 49175990 ref NC_000913.2	-	691097	691564	709.8916416	583.0907771	507.9651287	462.0512432	504.7312815	0.425186369	1.209550035	0.6262121
ybeZ	gi 49175990 ref NC_000913.2	-	691561	692601	1356.226099	1268.911274	1227.709517	1003.591681	1006.358059	0.302565122	0.720337202	0.3221157
miaB	gi 49175990 ref NC_000913.2	-	692754	694178	1364.597858	1457.038475	936.7194246	880.2522844	1004.926441	0.575804307	2.237726131	1.3821601
ubiF	gi 49175990 ref NC_000913.2	+	694324	695499	1006.640429	944.078523	1289.959587	1146.880931	916.8651858	-0.175721762	0.406364767	0.1653288
asnB	gi 49175990 ref NC_000913.2	-	696736	698400	140.7638936	136.7573803	113.461477	133.4080433	148.9634746	0.066960416	0.122838246	0.0362877
nagD	gi 49175990 ref NC_000913.2	-	698797	699549	988.6407532	1020.108458	902.120214	867.8333215	901.8555065	0.169997945	0.376524243	0.1484466
nagC	gi 49175990 ref NC_000913.2	-	699597	700817	1348.120165	1227.108142	1551.928701	1517.958101	1329.477312	-0.169674718	0.393002539	0.1567356
nagA	gi 49175990 ref NC_000913.2	-	700826	701974	1292.660298	1153.963641	1656.649397	1750.923295	1226.523806	-0.314755439	0.818269924	0.378885
nagB	gi 49175990 ref NC_000913.2	-	702034	702834	905.8166996	980.238997	1630.391115	1780.097712	1344.189626	-0.758020169	2.939474242	1.9660477
nagE	gi 49175990 ref NC_000913.2	+	703167	705113	3549.56478	3347.104053	8509.714135	7676.309031	5255.927153	-1.028059716	4.419421647	3.2261477
glnS	gi 49175990 ref NC_000913.2	+	705316	706980	2761.086673	2877.945484	2914.730943	2475.806187	3206.763784	-0.028092156	0.03353039	0.0030156
chiP	gi 49175990 ref NC_000913.2	+	707557	708963	148.9946584	143.4022775	207.1968633	255.8846165	413.0189357	-1.013943034	3.501721783	2.4371145
chiQ	gi 49175990 ref NC_000913.2	+	709013	709339	78.84467176	78.82997762	78.88481922	90.83274117	104.0972326	-0.219520403	0.392214401	0.1564777
fur	gi 49175990 ref NC_000913.2	-	709423	709869	2287.001263	2526.543455	1816.959801	1943.053746	2335.104668	0.221813843	0.538709664	0.2317944
uof	gi 49175990 ref NC_000913.2	-	709862	709948	1518.541528	1630.856915	1201.468261	1372.29233	1545.464499	0.17777175	0.430386254	0.1762871
fldA	gi 49175990 ref NC_000913.2	-	710158	710688	1679.056765	1683.063342	1130.927025	1234.399269	1352.608235	0.432762951	1.362400374	0.7388097
ybfE	gi 49175990 ref NC_000913.2	-	710828	711121	485.3096921	569.9574231	306.2665727	435.8259804	402.5946559	0.430152832	1.418493978	0.7709489

ybfF	gi 49175990 ref NC_000913.2	-	711261	712025	255.1804416	284.9875009	262.7222576	244.5607304	281.4186227	0.023904322	0.062861336	0.0135708
seqA	gi 49175990 ref NC_000913.2	+	712210	712755	1201.190514	1274.671547	1074.917802	1087.585406	1196.741071	0.133186092	0.306297832	0.1186729
pgm	gi 49175990 ref NC_000913.2	+	712781	714421	2220.23107	1985.999031	2071.917507	1895.910048	1833.043465	0.142764199	0.228120773	0.0798549
ybfP	gi 49175990 ref NC_000913.2	+	714635	715129	73.66371324	77.89896385	40.70324175	50.56457924	72.46016079	0.450640561	1.081890766	0.5467928
potE	gi 49175990 ref NC_000913.2	-	716169	717488	89.15920545	81.64933499	50.95068928	56.42693093	67.12295472	0.531398799	1.454706416	0.7956435
speF	gi 49175990 ref NC_000913.2	-	717485	719683	52.46674891	49.36837705	52.98117422	51.57545374	49.41477621	-0.001572709	0	0
kdpE	gi 49175990 ref NC_000913.2	-	720279	720956	116.2259124	86.32476119	74.07041581	98.67935288	124.0827035	0.053273458	0.04598707	0.0070823
kdpD	gi 49175990 ref NC_000913.2	-	720953	723637	381.0634527	384.6737527	314.1619529	299.3485196	281.6810369	0.362250151	1.027039327	0.5140349
kdpC	gi 49175990 ref NC_000913.2	-	723630	724202	86.33239112	89.28976235	53.3534926	60.47753177	58.31861573	0.605071437	1.888521329	1.1168261
kdpB	gi 49175990 ref NC_000913.2	-	724211	726259	52.81296426	57.00722586	26.02408504	43.50963606	39.18404128	0.573495859	1.43544991	0.7811622
kdpA	gi 49175990 ref NC_000913.2	-	726282	727955	29.10612987	39.96600277	13.75944955	24.42441106	16.89794694	0.861741031	2.138615736	1.3067919
ybfA	gi 49175990 ref NC_000913.2	+	728357	728563	2680.638798	2553.066299	4035.393823	2632.826366	2770.966974	-0.236624393	0.564704083	0.2463254
rhcC	gi 49175990 ref NC_000913.2	+	728806	732999	414.8195355	380.8321699	546.9159724	670.075393	505.05158	-0.520546945	1.72759749	1.0019118
ybfB	gi 49175990 ref NC_000913.2	+	732999	733325	7.617072802	6.632957969	5.443923956	9.905619496	3.501142631	0.189189924	0.041016278	0.0047848
ybfD	gi 49175990 ref NC_000913.2	+	737315	738076	6.600669722	2.803618985	5.638296435	8.945870902	10.01782282	-0.736636036	0.662349573	0.2976012
ybgA	gi 49175990 ref NC_000913.2	+	738224	738733	485.56158778	528.1298154	539.4474644	491.0815658	450.0155968	0.033746684	0.068254712	0.0162038
phr	gi 49175990 ref NC_000913.2	+	738730	740148	783.1680402	755.0790801	955.3177014	828.4347007	596.1852504	-0.023776168	0.067378672	0.0160372
dtpD	gi 49175990 ref NC_000913.2	-	740298	741779	120.316198	128.2447338	122.2141021	127.7893092	126.7496498	-0.024688784	0.019151684	0
ybgJ	gi 49175990 ref NC_000913.2	+	742050	742793	821.0679285	782.61827	968.2893699	795.9591215	559.226449	0.076117203	0.08317985	0.0209983
ybgJ	gi 49175990 ref NC_000913.2	+	742816	743472	455.4850196	384.5945108	533.7683574	394.6217233	239.6983865	0.160576352	0.167444064	0.0527964
ybgK	gi 49175990 ref NC_000913.2	+	743466	744398	827.5778775	744.5991977	929.8575291	761.2248301	551.3421913	0.106332925	0.125886938	0.037291
ybgL	gi 49175990 ref NC_000913.2	+	744388	745122	548.2051224	469.1326319	458.1082315	411.3732861	312.2805414	0.402659368	0.977482651	0.4778212
nei	gi 49175990 ref NC_000913.2	+	745158	745949	483.8471829	498.6607467	460.0061461	378.09544	455.3108096	0.189214592	0.415077307	0.1695263
abrB	gi 49175990 ref NC_000913.2	-	745946	746992	632.1552734	646.8282436	1852.616981	1468.93974	1585.091301	-1.347500013	8.355843678	6.7049707
ybgO	gi 49175990 ref NC_000913.2	-	747144	748205	48.48017517	50.3464428	51.97200748	54.94971505	58.26078175	-0.162637175	0.253751803	0.0923968
ybgP	gi 49175990 ref NC_000913.2	-	748202	748930	28.05083489	34.2351598	28.27755257	28.18941488	42.32184945	-0.108163044	0.082690701	0.0209983
ybgQ	gi 49175990 ref NC_000913.2	-	748945	751392	60.64537491	57.9201357	57.40399643	66.08402664	65.02155657	-0.083199578	0.113151379	0.031768
ybgD	gi 49175990 ref NC_000913.2	-	751452	752018	5.728068396	4.732765067	7.182864074	12.33521784	16.62463069	-1.188202359	1.482058847	0.8119038
glfA	gi 49175990 ref NC_000913.2	-	752408	753691	2219.062813	1933.74714	2682.097761	2149.164847	1406.247635	0.040414001	0.001046655	0
sdhC	gi 49175990 ref NC_000913.2	+	754400	754789	405.9550594	376.0871671	332.3952532	271.5140033	292.8243076	0.406420612	1.116771719	0.5675368
sdhD	gi 49175990 ref NC_000913.2	+	754783	755130	207.5202672	210.8606424	186.6918318	192.6282104	140.5770348	0.274957879	0.596950812	0.2646456
sdhA	gi 49175990 ref NC_000913.2	+	755130	756896	1115.494086	1143.580958	956.748036	701.0097428	758.4323653	0.498863229	1.531480164	0.850008
sdhB	gi 49175990 ref NC_000913.2	+	756912	757628	816.0708565	766.4646421	574.2387105	506.9383352	569.7721017	0.536091813	1.880693271	1.110885
sucA	gi 49175990 ref NC_000913.2	+	757929	760730	2405.560632	2266.217981	2211.807593	1827.521175	1555.107752	0.348022035	0.773922414	0.353532
sucB	gi 49175990 ref NC_000913.2	+	760745	761962	1752.767756	1816.052923	1690.08322	1270.426188	1140.062785	0.397856866	0.995987238	0.4899061
sucC	gi 49175990 ref NC_000913.2	+	762237	763403	1837.399097	1559.50933	1774.369948	1247.989531	979.8641143	0.397414047	0.783230287	0.3599897
sucD	gi 49175990 ref NC_000913.2	+	763403	764272	1504.867663	1522.549609	1470.408471	1212.08311	1150.013026	0.254805402	0.570919971	0.2491116
mngR	gi 49175990 ref NC_000913.2	-	764376	765098	103.2831149	110.1978058	73.66759415	110.566695	78.69680978	0.265639137	0.586406397	0.2584339
mngA	gi 49175990 ref NC_000913.2	+	765207	767183	10.79953241	19.07647211	17.08646035	11.38208469	17.851258	-0.092894911	0	0
mngB	gi 49175990 ref NC_000913.2	+	767201	769834	169.0611135	170.0143085	159.7932765	184.9419091	193.9142852	-0.091045923	0.127209014	0.0373086
cydA	gi 49175990 ref NC_000913.2	+	770681	772249	19707.71232	18175.55397	24914.93728	20115.75387	20145.40232	-0.17455481	0.381043914	0.1506163
cydB	gi 49175990 ref NC_000913.2	+	772265	773404	1385.79202	12809.11883	19131.3454	14807.1158	13599.11946	-0.221471711	0.505014666	0.2150742
ybgT	gi 49175990 ref NC_000913.2	+	773419	773532	1839.284529	1868.283015	2712.690779	2355.684169	2491.407821	-0.439145166	1.235836467	0.6462833
ybgE	gi 49175990 ref NC_000913.2	+	773532	773825	1096.211492	1245.260133	1738.774935	1529.339316	1504.380092	-0.453414058	1.303089182	0.6962042
ybgC	gi 49175990 ref NC_000913.2	+	773975	774379	876.3629906	893.7779155	741.6117116	670.6476922	792.8965998	0.265872701	0.694627173	0.3103556
tolQ	gi 49175990 ref NC_000913.2	+	774376	775068	748.493594	715.1828535	569.8290483	655.8219139	691.9337548	0.193505343	0.446046596	0.1840474
tolR	gi 49175990 ref NC_000913.2	+	775072	775500	289.9446493	317.2726523	234.2665736	284.6793955	294.8452157	0.140212929	0.330527244	0.1302079
tolA	gi 49175990 ref NC_000913.2	+	775565	776830	1011.632772	964.032024	845.504267	904.7572539	944.3925629	0.139601964	0.280024685	0.1056361
tolB	gi 49175990 ref NC_000913.2	+	776963	778255	3941.24711	3897.067901	3324.794523	2994.813788	3652.140803	0.239343639	0.550715094	0.2383424
pal	gi 49175990 ref NC_000913.2	+	778290	778811	3738.288509	3472.471992	2567.366717	2587.641367	2710.040371	0.468681923	1.480804884	0.8114182
ybgF	gi 49175990 ref NC_000913.2	+	778821	779612	1508.255063	1428.486799	1079.503712	881.4977163	1046.486855	0.564337146	1.977863029	1.1835264
nadA	gi 49175990 ref NC_000913.2	+	781308	782351	157.8661692	150.0458654	146.0365427	154.6455286	143.6481229	0.061773605	0.090914185	0.023835
pnuC	gi 49175990 ref NC_000913.2	+	782389	783108	302.2929096	295.377104	305.927078	303.6437813	223.6238364	0.11637565	0.18882611	0.0611353
zitB	gi 49175990 ref NC_000913.2	-	783105	784046	333.71766	339.085633	338.4841972	357.5915575	345.5146815	-0.049481426	0.070019182	0.0170551
ybgS	gi 49175990 ref NC_000913.2	-	784160	784540	341.7451874	366.6545883	146.2521884	278.5780149	223.1721735	0.680185347	2.388591988	1.508745
aroG	gi 49175990 ref NC_000913.2	+	784856	785908	1749.663882	1786.601726	1966.034261	1929.471024	1822.928754	-0.108972178	0.190001679	0.0611353
gpmA	gi 49175990 ref NC_000913.2	-	786066	786818	5552.180818	5511.749769	4068.597768	3866.781927	3400.217212	0.557011295	1.851900926	1.0889418

galM	gi 49175990 ref NC_000913.2	-	787020	788060	2884.972877	2834.225459	8209.796584	7029.51527	5245.761751	-1.237247026	6.135719654	4.7244623
galK	gi 49175990 ref NC_000913.2	-	788054	789202	6274.321842	5771.011535	20179.29754	16960.59922	12042.42182	-1.414450481	7.283653318	5.7456209
galT	gi 49175990 ref NC_000913.2	-	789206	790252	5618.089329	5153.632654	18763.97672	16098.47678	12542.58844	-1.525626235	8.802461243	7.0956368
galE	gi 49175990 ref NC_000913.2	-	790262	791278	8714.450313	7919.479855	25952.08904	22059.60112	16948.78407	-1.35103734	6.962998039	5.4429887
modF	gi 49175990 ref NC_000913.2	-	791539	793011	483.802844	505.3155706	558.7371806	438.5132122	407.4758973	0.087472218	0.14422278	0.0432419
modE	gi 49175990 ref NC_000913.2	-	793079	793867	466.7806647	401.6992286	517.6805814	416.0598659	379.4380193	0.023077982	0.013195423	0
ybhT	gi 49175990 ref NC_000913.2	+	793996	794145	3062.852115	3669.207119	3018.303017	3870.187933	4660.304404	-0.236676932	0.370076068	0.1454249
modA	gi 49175990 ref NC_000913.2	+	794312	795085	531.1620409	549.0021854	847.3218038	768.0438899	741.601565	-0.539190796	1.902150119	1.1260201
modB	gi 49175990 ref NC_000913.2	+	795085	795774	296.847658	328.6757708	636.8732784	502.3740007	434.4872145	-0.743593727	2.806892358	1.8540338
modC	gi 49175990 ref NC_000913.2	+	795777	796835	280.9294898	218.3475784	513.0395964	410.2769914	268.7556033	-0.614879298	1.978562502	1.1835613
ybhA	gi 49175990 ref NC_000913.2	-	796836	797654	360.121754	377.0916736	421.4639248	379.019722	371.4086597	-0.084045003	0.146722594	0.0441955
pgl	gi 49175990 ref NC_000913.2	+	797809	798804	1461.2963	1492.16005	1645.362017	1458.517409	1088.58093	0.09033469	0.139108508	0.0415146
ybhD	gi 49175990 ref NC_000913.2	-	798845	799798	98.95381784	79.70602002	100.8279493	99.7975936	99.8494517	-0.137678119	0.301201766	0.11561
ybhI	gi 49175990 ref NC_000913.2	+	801110	802543	16.26050681	18.05881399	16.28285084	16.93151321	25.56613387	-0.20693518	0.192706914	0.062551
ybhJ	gi 49175990 ref NC_000913.2	+	802726	804987	107.2371926	107.3247219	107.7748253	115.4779549	121.0610705	-0.10110185	0.161101672	0.0501866
ybhC	gi 49175990 ref NC_000913.2	-	805221	806504	683.6514342	624.9305558	484.0970603	426.2417507	497.9257062	0.494057776	1.586038414	0.8888773
ybhB	gi 49175990 ref NC_000913.2	-	806656	807132	527.1011133	591.7822531	405.1948559	446.2214404	484.4056963	0.306204537	0.910421674	0.4394412
bioA	gi 49175990 ref NC_000913.2	-	807191	808480	115.0707706	104.4394922	97.13503827	95.43126571	116.4440437	0.100287451	0.155737999	0.0487535
bioB	gi 49175990 ref NC_000913.2	+	808567	809607	43.24975607	49.42326121	45.98550569	33.8199116	40.38038374	0.204166284	0.315509448	0.1235647
bioF	gi 49175990 ref NC_000913.2	+	809604	810758	57.36892988	57.93713878	46.6869353	48.26362831	54.84492943	0.202854128	0.301201766	0.1454249
bioC	gi 49175990 ref NC_000913.2	+	810745	811500	42.49964802	37.00298486	24.98860387	10.49126804	32.15463766	0.836279994	1.767783998	1.0317712
bioD	gi 49175990 ref NC_000913.2	+	811493	812170	32.61014861	36.11323746	25.06192665	21.38160681	23.55674728	0.551284083	1.115185513	0.5667635
uvrB	gi 49175990 ref NC_000913.2	+	812749	814770	1603.342987	1604.226089	1353.918138	1239.95636	1063.700373	0.4040197	1.137190184	0.5807384
ybhK	gi 49175990 ref NC_000913.2	-	814962	815870	703.5349224	703.808642	565.5580842	504.868657	732.0006075	0.22355164	0.515241058	0.2209121
moaA	gi 49175990 ref NC_000913.2	+	816267	817256	1716.371366	1679.252485	1900.824318	1814.449886	3014.389635	-0.410478466	0.915448357	0.4423179
moaB	gi 49175990 ref NC_000913.2	+	817278	817790	914.2643402	921.3168023	692.6120625	459.266497	938.0845998	0.396220994	0.967716443	0.4717454
moaC	gi 49175990 ref NC_000913.2	+	817793	818278	691.9434933	616.3704984	539.4919456	335.893894	615.2992405	0.419445116	1.014497956	0.5056429
moaD	gi 49175990 ref NC_000913.2	+	818271	818516	273.0932343	230.7289779	200.8585989	134.9547343	184.9667243	0.570966274	1.57385775	0.8814488
moaE	gi 49175990 ref NC_000913.2	+	818518	818970	460.6628859	452.0976507	392.0631167	232.7526278	429.145425	0.38873356	0.899794428	0.4325823
ybhL	gi 49175990 ref NC_000913.2	+	819107	819811	1599.331361	1706.83884	1991.36129	2072.879982	1836.441409	-0.259148466	0.546295315	0.235234
ybhM	gi 49175990 ref NC_000913.2	+	820016	820729	38.11679779	32.2492255	28.43134494	41.30061588	35.88764339	0.006694103	0	0
ybhN	gi 49175990 ref NC_000913.2	-	820765	821721	153.5127953	177.6701185	111.5642276	133.1225125	96.73517143	0.520224481	1.701383766	0.9810243
ybhO	gi 49175990 ref NC_000913.2	-	821721	822962	257.0227062	238.3664671	211.3630571	184.9405402	142.851274	0.485517773	1.283685645	0.6832221
ybhP	gi 49175990 ref NC_000913.2	-	822959	823720	208.1885472	208.9558648	166.5947894	149.1200279	131.4675889	0.492403533	1.445455749	0.7878493
ybhQ	gi 49175990 ref NC_000913.2	+	823853	824263	1051.844356	1053.337683	2107.464592	2639.995522	2258.137574	-1.157286584	5.668233707	4.3183907
ybhR	gi 49175990 ref NC_000913.2	-	824225	825331	510.9886234	525.2543181	732.8245456	858.6146988	784.1245496	-0.621354587	2.31044751	1.4424722
ybhS	gi 49175990 ref NC_000913.2	-	825342	826475	484.9262846	528.1304209	502.116354	485.2748956	352.6744151	0.178725475	0.383664873	0.1528746
ybhF	gi 49175990 ref NC_000913.2	-	826468	828204	1193.677724	1245.219168	1255.340004	1155.72387	798.1154691	0.19631385	0.388908993	0.1545033
ybhG	gi 49175990 ref NC_000913.2	-	828197	829195	1030.132458	926.962691	1342.710054	1222.956094	782.5029528	-0.159006862	0.352977043	0.1402157
ybiH	gi 49175990 ref NC_000913.2	-	829195	829866	551.8136997	600.3159147	531.7275798	649.1357457	751.1912565	-0.185905945	0.314337616	0.1228902
rhlE	gi 49175990 ref NC_000913.2	+	830095	831459	1458.235807	1449.405608	1302.861554	1402.380978	1198.201906	0.16104085	0.338853419	0.1335511
ybiA	gi 49175990 ref NC_000913.2	-	831691	832173	115.5477156	111.1091262	150.6552946	191.5475361	183.8816736	-0.634123856	2.012043882	1.2076303
dinG	gi 49175990 ref NC_000913.2	+	832293	834443	1161.875026	1087.499023	1579.681729	1515.723467	1311.560207	-0.369978152	1.06499592	0.5336653
ybiB	gi 49175990 ref NC_000913.2	+	834471	835433	668.4772569	616.3862477	1104.192354	1001.075629	753.1520773	-0.544877684	1.8961778	1.121954
ybiC	gi 49175990 ref NC_000913.2	+	835574	836659	562.2374306	554.6796129	505.1021295	519.9991352	392.9743916	0.247634197	0.568292666	0.2488581
ybiJ	gi 49175990 ref NC_000913.2	-	836888	837148	114.0324688	152.0789493	93.23889131	109.7342963	99.86367526	0.355903682	1.007301742	0.4987907
ybiI	gi 49175990 ref NC_000913.2	-	837413	837679	77.04675511	96.00430597	108.2698673	140.01122732	141.190239	-0.623132376	1.732444403	0.5056234
ybiX	gi 49175990 ref NC_000913.2	-	837753	838430	55.01339225	51.26489403	45.01593701	38.27059479	47.01916915	0.301561835	0.543599714	0.2336282
fiu	gi 49175990 ref NC_000913.2	-	838472	840754	82.19759719	97.88849775	73.31227621	80.70686955	84.04740878	0.155950397	0.334135895	0.1317706
mcbaA	gi 49175990 ref NC_000913.2	-	841019	841279	60.39640874	64.60400675	61.81363471	52.72243418	46.18076588	0.224335718	0.407452893	0.1661972
rlmF	gi 49175990 ref NC_000913.2	+	841555	842481	236.7584777	275.5070763	213.2567488	172.9200555	211.8915387	0.345925384	0.92896401	0.4516294
ybiO	gi 49175990 ref NC_000913.2	-	842478	844703	366.4802448	378.0347535	304.5593015	256.8832671	262.5854805	0.442295302	1.340613187	0.7245757
glnQ	gi 49175990 ref NC_000913.2	-	844964	845686	362.0567101	374.2364109	317.2947581	286.163295	379.9334681	0.160622358	0.349756611	0.1391697
glnP	gi 49175990 ref NC_000913.2	-	845683	846342	306.0367095	288.7120568	268.3927314	239.1523125	355.0937981	0.053967804	0.082764356	0.0209983
glnH	gi 49175990 ref NC_000913.2	-	846481	847227	778.6711007	768.3872671	646.3870111	650.3521007	725.5989441	0.197272263	0.46263719	0.1939831
dps	gi 49175990 ref NC_000913.2	-	847631	848134	7412.88857	7603.251157	12345.79584	17343.45496	11334.40369	-0.876301885	3.186598747	2.1650512
rhtA	gi 49175990 ref NC_000913.2	-	848433	849320	164.5820829	169.0731134	167.468014	159.4002286	203.8646525	-0.091675958	0.137945072	0.0415146

ompX	gi 49175990 ref NC_000913.2	+	849673	850188	17344.52988	19514.8859	11249.89639	11764.29768	14195.20477	0.54687225	1.833624734	1.0743999
ybiP	gi 49175990 ref NC_000913.2	-	850237	851820	326.6812826	341.9482857	261.1552284	322.9244346	395.5231348	0.012966076	0.055200292	0.0101886
ylil	gi 49175990 ref NC_000913.2	+	851894	852163	1790.035943	1834.093968	1861.763429	2153.510855	1898.069988	-0.129169969	0.216173671	0.0749019
mntR	gi 49175990 ref NC_000913.2	+	852406	852873	287.9277332	327.7382258	328.9456267	306.189142	333.096873	-0.084495988	0.114998299	0.032456
ybiR	gi 49175990 ref NC_000913.2	+	852870	853988	165.0775301	177.6404606	228.8079748	168.49117	206.3569755	-0.231172527	0.466106087	0.1954443
ybiS	gi 49175990 ref NC_000913.2	-	854047	854967	876.7668358	955.5472312	666.3071679	683.9506162	741.3329125	0.378365895	1.226521647	0.6406707
ybiT	gi 49175990 ref NC_000913.2	+	855186	856778	1700.202533	1555.745228	1387.553309	1166.288978	1462.53495	0.297705057	0.685476787	0.3075159
ybiU	gi 49175990 ref NC_000913.2	-	857019	858284	247.8465269	256.4596275	155.2436661	144.7592771	164.7838112	0.698110907	2.677191383	1.7539132
ybiV	gi 49175990 ref NC_000913.2	-	858436	859251	263.791817	316.3633696	163.5139589	179.331522	178.3152798	0.710351739	2.946764614	1.9705614
ybiW	gi 49175990 ref NC_000913.2	-	859397	861829	151.18668	163.394569	377.2735561	300.6493007	306.380926	-1.059056874	5.108261432	3.8226295
ybiY	gi 49175990 ref NC_000913.2	-	861835	862734	34.50730662	38.01220964	24.24695805	71.91990211	76.36018091	-1.142264034	4.569537845	3.3540751
fsaA	gi 49175990 ref NC_000913.2	+	862865	863527	124.7103239	106.3159152	376.3882613	271.4521333	220.3429012	-1.28171196	6.136332676	4.7244623
moeB	gi 49175990 ref NC_000913.2	-	863603	864352	510.4712288	507.192299	551.245823	418.5200799	511.4410036	0.053279802	0.07645745	0.1084999
moeA	gi 49175990 ref NC_000913.2	-	864352	865587	780.3147025	828.2597233	829.7649727	614.7533163	761.5863054	0.130656228	0.264201225	0.0969652
iaaA	gi 49175990 ref NC_000913.2	+	865791	866756	480.3289869	456.8325003	477.6401536	343.3317465	350.2074979	0.28719574	0.615705233	0.2731972
gsiA	gi 49175990 ref NC_000913.2	+	866743	868614	824.9902301	756.0053507	825.1564698	646.991447	543.3420398	0.264498071	0.532195835	0.2284919
gsiB	gi 49175990 ref NC_000913.2	+	868634	870172	834.460323	763.6031748	913.6814605	831.9476948	805.5335028	-0.07153898	0.166112847	0.0525902
gsiC	gi 49175990 ref NC_000913.2	+	870190	871110	256.1640615	255.493985	248.5254487	228.571264	160.8800683	0.279208835	0.573216223	0.2504314
gsiD	gi 49175990 ref NC_000913.2	+	871113	872024	185.9776509	194.7261889	252.5730326	213.0752984	189.8385838	-0.193434716	0.385508731	0.1538105
ylilE	gi 49175990 ref NC_000913.2	+	872202	874550	80.31456752	55.92368008	38.33755003	62.63453659	38.09366116	0.949942968	3.023013355	2.0321357
ylilF	gi 49175990 ref NC_000913.2	+	874558	875886	158.2201075	132.9020612	106.0286025	168.9490784	151.3266319	0.039528012	0.048744248	0.0081378
rimO	gi 49175990 ref NC_000913.2	-	875933	877258	388.9116064	360.8910246	243.038863	211.1147746	305.8059517	0.572881623	1.890067072	1.1177411
bssR	gi 49175990 ref NC_000913.2	+	877471	877854	676.9903272	685.7658616	2173.706458	2034.75446	1568.61085	-1.490487238	9.328333412	7.5934803
ylil	gi 49175990 ref NC_000913.2	+	877965	879080	239.4305288	216.5106303	277.5747442	310.4301238	286.0903292	-0.343672098	0.926115178	0.4497397
gstB	gi 49175990 ref NC_000913.2	-	879077	879703	378.6251826	372.3144631	524.3954158	460.7401891	360.4981166	-0.241321414	0.57366421	0.2506552
dacC	gi 49175990 ref NC_000913.2	+	879950	881152	1426.69038	1416.161562	1336.347583	1182.753517	933.7105625	0.318048849	0.755891146	0.3439111
deoR	gi 49175990 ref NC_000913.2	-	881199	881957	560.8705171	570.8407669	479.0408726	449.7437044	524.7970209	0.220589786	0.53648911	0.2308498
ybjG	gi 49175990 ref NC_000913.2	-	882015	882611	666.074839	713.3365	439.2540723	379.2703381	517.8882803	0.619864902	2.373494932	1.4988665
mdfA	gi 49175990 ref NC_000913.2	+	882896	884128	298.5290005	289.6752233	207.0782598	197.4516789	226.4458659	0.486717312	1.529089795	0.8485943
ybjH	gi 49175990 ref NC_000913.2	-	884169	884453	129.1544441	109.1618097	98.40893127	86.60185678	124.162817	0.227769019	0.404412269	0.1640847
ybjI	gi 49175990 ref NC_000913.2	-	884539	885354	200.7160025	240.3751548	167.1247454	139.3177582	188.1854006	0.396285534	1.113720124	0.5667635
ybjJ	gi 49175990 ref NC_000913.2	-	885354	886562	229.4030441	248.8814034	204.0892594	173.9920377	206.2912967	0.288421564	0.703775973	0.3152758
ybjK	gi 49175990 ref NC_000913.2	+	886646	887182	187.8809373	158.5466004	212.5692419	186.4438163	272.1421285	-0.350156554	0.862369855	0.4074687
ybjL	gi 49175990 ref NC_000913.2	-	887357	889042	719.4330474	694.291635	543.2482992	600.9557071	668.3237135	0.223886246	0.539143091	0.2319924
ybjM	gi 49175990 ref NC_000913.2	+	889312	889689	150.4762106	167.2051442	183.7085629	198.5370524	239.7441168	-0.405962564	0.949665263	0.4629489
grxA	gi 49175990 ref NC_000913.2	-	889719	889976	109.0365007	113.0367072	79.38404829	120.8451425	116.4941289	0.0516062	0.106090566	0.0283572
ybjC	gi 49175990 ref NC_000913.2	+	890136	890423	640.1060922	585.9890871	469.238713	431.6720455	407.3408404	0.509513609	1.683658776	0.9681742
nfsA	gi 49175990 ref NC_000913.2	+	890407	891129	845.5031922	706.5732477	536.1166969	455.1439117	343.7340231	0.842870103	3.241649144	2.2069226
rimK	gi 49175990 ref NC_000913.2	+	891190	892092	864.5743066	832.0128916	770.5034815	681.807997	733.608623	0.229250202	0.532483297	0.2285648
ybjN	gi 49175990 ref NC_000913.2	+	892180	892656	583.3434536	638.3112354	686.2925037	687.3980516	813.0030837	-0.27203877	0.613584332	0.2715453
potF	gi 49175990 ref NC_000913.2	+	893007	894119	65.04555167	62.67156125	64.56776118	55.00309181	52.84022959	0.164683788	0.238016961	0.0853787
potG	gi 49175990 ref NC_000913.2	+	894214	895347	19.83219615	15.15046797	34.01122477	24.79902152	26.98350246	-0.668461617	1.369980803	0.741885
potH	gi 49175990 ref NC_000913.2	+	895357	896310	23.59646897	18.95262031	20.87342463	17.9268655	13.61918026	0.315855326	0.324678312	0.1265519
potI	gi 49175990 ref NC_000913.2	+	896307	897152	36.5105732	25.56301528	29.04838775	19.32902435	33.43702204	0.227023379	0.213649726	0.0734101
ybjO	gi 49175990 ref NC_000913.2	+	897212	897700	105.0650051	116.8623758	71.50731363	58.52362637	76.12313585	0.680178259	2.387070631	1.508745
rlmD	gi 49175990 ref NC_000913.2	+	897741	898868	196.4987454	178.521231	159.7588813	127.9481033	125.8003692	0.467798462	1.193964839	0.6174173
artJ	gi 49175990 ref NC_000913.2	-	899067	899798	165.2411971	168.1193878	110.8822898	121.2342213	162.2236243	0.329521323	0.799855073	0.3686299
artM	gi 49175990 ref NC_000913.2	-	900089	900757	1212.011137	1251.863106	870.9356489	828.3841712	630.8336835	0.670077136	2.537829106	1.6346325
artQ	gi 49175990 ref NC_000913.2	-	900757	901473	1206.020401	1136.892542	853.483587	765.6713612	599.4273952	0.6683813251	2.510347906	1.613924
artI	gi 49175990 ref NC_000913.2	-	901480	902211	1359.711806	1385.780202	830.774668	912.4879086	842.4835063	0.659923883	2.794103769	1.8431542
artP	gi 49175990 ref NC_000913.2	-	902229	902957	1386.899757	1391.471565	963.8746352	1179.240965	1095.910108	0.354921925	1.046856813	0.5221887
ybjP	gi 49175990 ref NC_000913.2	-	903175	903690	1313.821195	1274.628753	1233.839582	1373.13152	1070.429313	0.083202225	0.144359407	0.0432419
ybjQ	gi 49175990 ref NC_000913.2	+	903816	904139	532.138152	599.3823047	579.2880894	495.7086286	525.0156162	0.074928355	0.159750639	0.049678
amiD	gi 49175990 ref NC_000913.2	+	904136	904966	650.7113848	617.3491272	877.2217648	699.7400331	659.8431048	-0.212794694	0.529351503	0.2272311
ybjS	gi 49175990 ref NC_000913.2	-	904963	905976	591.0142947	627.8494545	604.7723686	558.4266129	581.0695341	0.062456097	0.124651621	0.0369374
ybjT	gi 49175990 ref NC_000913.2	-	906075	907505	495.3872258	483.4388305	568.6312611	532.5004628	459.0521374	-0.077037985	0.156557809	0.0487535
itaE	gi 49175990 ref NC_000913.2	-	907516	908517	722.4677395	601.1428356	807.2238825	715.3037959	627.3330112	-0.079366597	0.214076858	0.073582

poxB	gi 49175990 ref NC_000913.2	-	908554	910272	1553.317665	1366.714474	1917.29787	1649.172083	1294.939141	-0.117925159	0.270997389	0.1005736
hcr	gi 49175990 ref NC_000913.2	-	910405	911373	130.8114321	120.5910005	400.9584969	263.631545	191.3423701	-1.141359325	4.496111202	3.2910305
hcp	gi 49175990 ref NC_000913.2	-	911385	913037	207.8574654	188.9690933	1112.482612	422.2835063	416.9155878	-1.645059121	6.511216046	5.0501362
ybjE	gi 49175990 ref NC_000913.2	-	913181	914080	212.2789499	192.7677523	132.6375433	170.5138924	232.722042	0.175679321	0.321444479	0.1253096
aqpZ	gi 49175990 ref NC_000913.2	-	914575	915270	76.0072392	96.00725661	101.8194724	85.36792053	95.3356013	-0.149778746	0.207093989	0.0700822
ybjD	gi 49175990 ref NC_000913.2	+	915696	917354	632.6671851	670.5900318	719.5240618	565.2783309	593.5219673	0.060852133	0.103727424	0.0277229
ybjX	gi 49175990 ref NC_000913.2	-	917351	918343	1745.56819	1948.112847	934.0508736	902.6107684	970.2253819	0.96501834	5.260898951	3.9669549
macA	gi 49175990 ref NC_000913.2	+	918458	919573	282.5687186	290.6504662	367.9758617	308.3955189	281.8073346	-0.14860671	0.300662217	0.11561
macB	gi 49175990 ref NC_000913.2	+	919570	921516	358.0074305	330.495035	441.1873016	415.85669	336.851692	-0.189889525	0.438916787	0.1798317
cspD	gi 49175990 ref NC_000913.2	-	921589	921813	2026.752242	2426.852666	3578.980491	4279.313147	4432.907869	-0.915560604	3.792241401	2.6847541
clpS	gi 49175990 ref NC_000913.2	+	922136	922456	805.4159897	740.8101086	1949.442051	1888.900356	1307.356987	-1.127117555	5.65485231	4.307389
clpA	gi 49175990 ref NC_000913.2	+	922487	924763	4367.465428	3981.562081	9001.637782	6240.325467	3691.407585	-0.549281872	1.399513157	0.7607069
infA	gi 49175990 ref NC_000913.2	-	925448	925666	2918.332712	2934.916817	2164.709529	2231.323205	3068.510326	0.22328863	0.495019702	0.2099578
aat	gi 49175990 ref NC_000913.2	-	925951	926655	507.8067749	526.2078404	409.1186818	438.4086627	486.6348572	0.206332537	0.518239726	0.2218965
cydC	gi 49175990 ref NC_000913.2	-	926697	928418	1015.237852	1019.145606	944.7979548	939.594472	1018.423938	0.069794066	0.135450549	0.0404245
cydD	gi 49175990 ref NC_000913.2	-	928419	930185	649.9628728	638.2608545	689.3012501	618.9041228	567.8091426	0.053102272	0.076113872	0.0184999
trxB	gi 49175990 ref NC_000913.2	-	930308	931273	1471.657978	1669.825881	805.6541664	716.7623292	1023.671283	0.865992901	4.194956674	3.0269108
lrp	gi 49175990 ref NC_000913.2	+	931818	932312	1812.706442	1881.590827	1580.684812	1593.3365	2016.494109	0.082367542	0.167584236	0.0527977
ftsK	gi 49175990 ref NC_000913.2	+	932447	936436	5075.093444	5109.03639	5034.770219	4757.094227	4913.199775	0.056142278	0.097261414	0.0262976
lolA	gi 49175990 ref NC_000913.2	+	936595	937206	627.829881	653.4775328	836.5605447	735.5491364	704.6181424	-0.228650282	0.450519702	0.2346796
rarA	gi 49175990 ref NC_000913.2	+	937217	938560	1017.130859	1021.04523	1194.556125	1032.625634	929.0675615	-0.036016125	0.073033629	0.017532
serS	gi 49175990 ref NC_000913.2	+	938651	939943	6552.944577	6514.751674	6820.289852	6342.34389	6031.708014	0.036304752	0.052145071	0.0090216
dmsA	gi 49175990 ref NC_000913.2	+	940182	942626	2104.39297	1747.561781	9042.590142	6832.033005	2816.687001	-1.631613247	6.246461063	4.8240674
dmsB	gi 49175990 ref NC_000913.2	+	942637	943254	591.3774444	564.1623149	2420.611058	2061.524009	1066.551388	-1.647716325	8.22343327	6.5957901
dmsC	gi 49175990 ref NC_000913.2	+	943256	944119	1114.887757	947.8323393	4668.42145	4125.560591	2362.052714	-1.807176986	10.03493173	8.217409
ycaC	gi 49175990 ref NC_000913.2	-	944154	944780	580.4366905	589.836298	647.360612	706.0814723	554.426471	-0.120989149	0.226040152	0.0788232
ycaD	gi 49175990 ref NC_000913.2	+	945094	946242	283.0303954	251.6456764	289.3992254	291.5471987	310.6353562	-0.138550809	0.297612873	0.1148535
ycaM	gi 49175990 ref NC_000913.2	+	946452	947882	227.5688993	242.244285	510.7068436	424.1304571	569.5460045	-1.100666718	5.531690409	4.2030655
ycaN	gi 49175990 ref NC_000913.2	-	947883	948791	83.16612314	86.44192523	101.1218693	86.65745919	134.1710296	-0.347527792	0.727190687	0.3259863
ycaK	gi 49175990 ref NC_000913.2	+	948891	949481	31.52864602	31.33794974	19.4404267	32.43132388	36.78039685	0.070865414	0.083380306	0.0209983
pflA	gi 49175990 ref NC_000913.2	-	949563	950303	1502.881689	1561.504667	1255.353556	1120.353995	1548.68919	0.219520534	0.509971355	0.2187462
pflB	gi 49175990 ref NC_000913.2	-	950495	952777	47295.95741	48991.30257	72312.53938	54632.66319	73029.1537	-0.467858445	1.243721519	0.6525076
focA	gi 49175990 ref NC_000913.2	-	952832	953689	5517.73896	6075.988742	5913.084433	4005.413602	7413.976072	-0.00728457	0.010624228	0
ycaO	gi 49175990 ref NC_000913.2	-	954095	955855	681.691621	635.3873714	461.9586389	448.613372	532.5952091	0.460003475	1.502775185	0.8272791
ycaP	gi 49175990 ref NC_000913.2	+	955985	956677	249.6039121	220.2996401	210.7313185	215.1343186	178.5856934	0.241837714	0.47608693	0.2004252
serC	gi 49175990 ref NC_000913.2	+	956876	957964	1619.076196	1639.376837	1358.253366	1272.536707	1234.013805	0.341174409	0.930570057	0.4525949
aroA	gi 49175990 ref NC_000913.2	+	958035	959318	599.4594539	592.6730509	474.5641029	437.2806815	415.1835652	0.437409158	1.375784593	0.7449631
ycaL	gi 49175990 ref NC_000913.2	+	959487	960251	51.97792571	61.78627333	41.30414582	40.45100139	48.10616902	0.371340731	0.844958868	0.39638
cmk	gi 49175990 ref NC_000913.2	+	960424	961107	2646.535854	3040.410935	2096.931157	2108.003608	2870.004309	0.241188901	0.6008254	0.2668653
rpsA	gi 49175990 ref NC_000913.2	+	961218	962891	19457.99205	20473.21279	12268.37122	10907.92116	14415.04998	0.663067806	2.373181976	1.4988665
ihfB	gi 49175990 ref NC_000913.2	+	963051	963335	2214.106694	2244.407498	2128.751291	2377.963785	2647.041057	-0.107424262	0.164418741	0.0519869
ycal	gi 49175990 ref NC_000913.2	+	963543	965807	233.2158714	250.7772363	254.8794801	270.1310529	256.9167179	-0.118326172	0.18908807	0.0611353
msbA	gi 49175990 ref NC_000913.2	+	965844	967592	2033.169171	1969.890174	1634.478657	1495.785741	1717.238026	0.31429487	0.762113059	0.3466446
lpXK	gi 49175990 ref NC_000913.2	+	967589	968575	871.4997872	842.462917	856.4125513	741.1738621	716.95552	0.164865844	0.327255097	0.1279492
ycaQ	gi 49175990 ref NC_000913.2	+	968612	969844	192.0276924	177.5786545	209.5268057	190.7383993	214.1696722	-0.135967626	0.27360107	0.1020023
ycaR	gi 49175990 ref NC_000913.2	+	969896	970078	190.7130395	179.4853764	381.0175981	234.5855398	192.3812233	-0.502086571	1.332769647	0.7180515
kdsB	gi 49175990 ref NC_000913.2	+	970075	970821	680.3873382	642.0417073	878.4513785	766.7810119	620.863469	-0.13366106	0.297728573	0.1148535
ycbJ	gi 49175990 ref NC_000913.2	+	970975	971868	939.0640839	895.6460392	3607.754864	3229.959337	2581.523443	-1.756584933	11.55819741	9.6569018
ycbC	gi 49175990 ref NC_000913.2	-	971845	972624	277.4013496	296.3659928	796.7289571	741.0186463	620.6300544	-1.326894441	7.936739772	6.3224606
smtA	gi 49175990 ref NC_000913.2	+	972760	973545	800.6378089	817.793559	906.9453134	765.9263465	821.1468913	-0.034868075	0.065163113	0.0135708
mukF	gi 49175990 ref NC_000913.2	+	973542	974864	618.436609	603.1146539	709.4428016	493.5548152	464.7592692	0.160399049	0.252489518	0.0920535
mukE	gi 49175990 ref NC_000913.2	+	974845	975549	629.889072	597.402976	657.194059	559.5142643	503.9316754	0.11610111	0.182134411	0.0582252
mukB	gi 49175990 ref NC_000913.2	+	975549	980009	3007.671054	2729.708261	3244.174034	2595.627779	2563.368103	0.060742633	0.059913364	0.0118829
ycbB	gi 49175990 ref NC_000913.2	+	980270	982117	1398.843174	1421.871779	1662.965187	1586.26496	1196.20821	-0.064153582	0.116231241	0.0327853
ycbK	gi 49175990 ref NC_000913.2	+	982298	982846	1218.28418	1271.814258	1035.526554	1181.656755	1267.357666	0.085714845	0.194999319	0.0639399
ycbL	gi 49175990 ref NC_000913.2	+	982873	983520	1392.597927	1389.56933	1403.312598	1281.546484	1278.860381	0.079470946	0.138975568	0.0415146
aspC	gi 49175990 ref NC_000913.2	-	983742	984932	1298.670568	1262.282088	1627.78664	1177.462968	1172.483102	-0.028499643	0.077485321	0.0190529

ompF	gi 49175990 ref NC_000913.2	-	985117	986205	2003.890042	2085.801724	3428.632843	3297.50834	4174.746319	-0.83951935	3.471409659	2.4104985
asnS	gi 49175990 ref NC_000913.2	-	986808	988208	3937.306356	4066.155528	3023.455042	2674.148191	3128.376408	0.441342705	1.371688532	0.7426861
pncB	gi 49175990 ref NC_000913.2	-	988377	989579	1609.934758	1487.363351	1257.658495	1182.916918	1270.871799	0.336620959	0.878048421	0.417045
pepN	gi 49175990 ref NC_000913.2	+	989845	992457	3252.726802	3305.348438	4266.124892	3662.916031	3699.595299	-0.235802835	0.540247486	0.2323307
ssuB	gi 49175990 ref NC_000913.2	-	992500	993267	49.05921208	52.25353791	64.35412246	48.36450925	50.58035807	-0.098590512	0.136120309	0.0407537
ssuC	gi 49175990 ref NC_000913.2	-	993264	994055	8.464146691	13.34657405	8.329273478	11.22944049	14.44796657	-0.105721972	0	0
ssuD	gi 49175990 ref NC_000913.2	-	994066	995211	19.97555608	13.23236718	14.49772375	12.38725981	13.46886331	0.346149531	0.324811815	0.1265519
ssuA	gi 49175990 ref NC_000913.2	-	995208	996167	16.52837985	14.22078524	11.52044913	26.71182162	25.64677289	-0.477307329	0.594979482	0.2640472
ssuE	gi 49175990 ref NC_000913.2	-	996160	996735	25.48229756	32.34258142	23.38588124	42.32635928	34.74897754	-0.252682102	0.278936322	0.1051846
elfA	gi 49175990 ref NC_000913.2	+	997091	997630	39.57993394	42.75758278	31.81241978	24.87447059	36.83367995	0.394013763	0.750557761	0.3411917
elfD	gi 49175990 ref NC_000913.2	+	997713	998414	11.65777955	16.18862717	10.64276353	14.40278367	6.900361883	0.356151431	0.384245533	0.1532738
elfC	gi 49175990 ref NC_000913.2	+	998439	1001039	84.58096604	82.62125488	76.77015234	76.18210913	66.33073235	0.200249898	0.368642177	0.1454051
elfG	gi 49175990 ref NC_000913.2	+	1001030	1002100	64.84117459	68.39924669	67.99075917	80.58370042	71.83617856	-0.151497386	0.222282805	0.0773895
ycbU	gi 49175990 ref NC_000913.2	+	1002112	1002654	27.63643454	29.45370321	18.73774497	24.49718931	16.95511212	0.498345796	0.87066365	0.4130376
ycbV	gi 49175990 ref NC_000913.2	+	1002662	1003177	29.15013168	39.009271659	37.109292	32.63374077	39.18011101	-0.119820847	0.098797082	0.0262976
ycbF	gi 49175990 ref NC_000913.2	+	1003170	1003880	170.6986418	150.9671654	220.7295711	235.5032098	268.9935904	-0.577693393	1.863093939	1.0982776
pyrD	gi 49175990 ref NC_000913.2	+	1003991	1005001	426.1056128	484.4586189	471.2812044	506.7105033	503.6254606	-0.138727493	0.22684407	0.0791779
zapC	gi 49175990 ref NC_000913.2	+	1005175	1005717	332.4290244	280.1164741	773.713346	358.1954471	323.7481714	-0.595012032	1.588328831	0.8901046
ycbX	gi 49175990 ref NC_000913.2	-	1005714	1006823	840.5423255	821.5722445	850.6102377	810.7558302	956.6275419	-0.069089535	0.124689448	0.0369374
rimL	gi 49175990 ref NC_000913.2	+	1007067	1009175	1338.982624	1111.188514	1121.655351	821.0755818	1048.712046	0.333062882	0.733317438	0.3288781
uup	gi 49175990 ref NC_000913.2	+	1009187	1011094	817.2115626	794.9753068	753.6003132	724.3537471	780.6533186	0.102598628	0.197844161	0.0651964
pqiA	gi 49175990 ref NC_000913.2	+	1011224	1012477	565.5000055	540.4178725	439.4200553	438.4739878	498.9889277	0.272020566	0.688919268	0.3091873
pqiB	gi 49175990 ref NC_000913.2	+	1012482	1014122	609.9250591	651.5974368	368.9199213	365.5459718	384.6977191	0.747475929	3.532302821	2.4627193
ymbA	gi 49175990 ref NC_000913.2	+	1014119	1014682	350.5295307	381.8585601	257.3875344	244.5123914	266.8970275	0.503402214	1.741857422	1.0121848
rmf	gi 49175990 ref NC_000913.2	+	1014938	1015105	1868.238989	1621.257345	3706.864797	2742.238118	1471.538486	-0.545658715	1.354131594	0.733667
fabA	gi 49175990 ref NC_000913.2	-	1015175	1015693	2713.6159	2948.2518	2211.093027	2244.787462	3093.198327	0.148549909	0.328799908	0.1288186
ycbZ	gi 49175990 ref NC_000913.2	-	1015762	1017522	1964.842578	2002.208022	2015.316627	1815.367524	2211.837557	-0.024743097	0.029938303	0.0018598
matP	gi 49175990 ref NC_000913.2	+	1017708	1018160	287.0776114	286.8385405	267.4376231	539.8718847	501.0969544	-0.632531349	1.612873686	0.9092943
ompA	gi 49175990 ref NC_000913.2	-	1018236	1019276	46779.38528	45599.49509	43949.02659	46416.3556	40645.08437	0.085109369	0.141773065	0.0425377
sulA	gi 49175990 ref NC_000913.2	-	1019633	1020142	1959.530705	2153.264719	904.7116853	1097.678434	1391.536851	0.833100602	3.587012892	2.5123926
sxy	gi 49175990 ref NC_000913.2	+	1020361	1020990	179.8416711	177.6054235	215.1384937	238.6690953	214.3367767	-0.317884616	0.743861586	0.3361804
yccS	gi 49175990 ref NC_000913.2	-	1020953	1023106	908.6987256	886.1583371	796.274275	773.7392873	906.1463081	0.121660329	2.48721099	0.0906571
yccF	gi 49175990 ref NC_000913.2	-	1023125	1023571	291.4492793	295.3930879	251.0067117	252.342586	282.5238182	0.158867405	0.335497694	0.1322937
helD	gi 49175990 ref NC_000913.2	+	1023694	1025748	797.7976633	743.6657044	835.0076002	756.7102498	608.3613354	-0.09229191	0.132807549	0.0396928
mgsA	gi 49175990 ref NC_000913.2	+	1025780	1026238	1693.433409	1764.765873	3938.180879	3317.572013	3126.505811	-0.996156052	4.52401895	3.3137783
yccT	gi 49175990 ref NC_000913.2	-	1026334	1026996	99.69649684	125.4578259	102.3823186	107.6304021	110.9975823	0.041352301	0.113904109	0.0321348
yccU	gi 49175990 ref NC_000913.2	+	1027169	1027582	429.2618877	402.6872934	933.5630193	744.3905025	498.7188037	-0.771524274	2.755624155	1.8159556
hspQ	gi 49175990 ref NC_000913.2	-	1027627	1027944	512.6544749	564.2283138	635.5853024	602.2002376	687.4720803	-0.267343534	0.591539911	0.2617484
rimI	gi 49175990 ref NC_000913.2	-	1028002	1029192	682.932959	771.3002398	712.91203	737.8131809	855.6339617	-0.103192984	0.143952331	0.0431373
yccX	gi 49175990 ref NC_000913.2	+	1029287	1029565	132.2115774	182.4908239	196.2074673	190.5971265	182.923976	-0.311103554	0.574727684	0.2512697
tusE	gi 49175990 ref NC_000913.2	-	1029562	1029891	235.6569618	260.2870855	218.0023356	215.4376975	272.265255	0.057391323	0.128933535	0.0376665
yccA	gi 49175990 ref NC_000913.2	-	1029982	1030641	3765.211024	3709.003355	3678.018881	3789.527929	4150.255677	-0.053096348	0.082981008	0.0209983
hyaA	gi 49175990 ref NC_000913.2	+	1031362	1032480	66.5483977	76.0246123	184.8761165	174.7012042	113.8019713	-1.148775034	4.834739291	3.5844338
hyaB	gi 49175990 ref NC_000913.2	+	1032477	1034270	47.62911776	55.12758663	163.8788362	128.7610536	59.11286278	-1.178228282	3.531054491	2.4627193
hyaC	gi 49175990 ref NC_000913.2	+	1034289	1034996	18.41532142	16.12128693	50.21717007	27.10391132	22.75727985	-0.903784868	2.015332666	1.2095577
hyaD	gi 49175990 ref NC_000913.2	+	1034993	1035580	50.79339754	42.68975245	98.83422967	99.51593124	57.70425822	-0.837137661	2.582131141	1.6685731
hyaE	gi 49175990 ref NC_000913.2	+	1035577	1035975	32.42179331	16.97572408	84.30090081	49.49731058	35.25483775	-1.094970763	2.97084701	1.9893215
hyaF	gi 49175990 ref NC_000913.2	+	1035972	1036829	35.65295891	41.82870708	88.89934871	52.9984636	59.62069645	-0.788597285	2.169100364	1.3280853
appC	gi 49175990 ref NC_000913.2	+	1036963	1038507	101.7225433	64.43728786	108.5927941	109.7774437	92.17506117	-0.262628427	0.672082299	0.3012117
appB	gi 49175990 ref NC_000913.2	+	1038519	1039655	107.7032666	90.1656007	124.1759472	169.0275345	149.1810486	-0.564146652	1.67505694	1.0193581
yccB	gi 49175990 ref NC_000913.2	+	1039668	1039760	46.58571456	48.44703416	68.89012392	108.5531689	111.9138838	-1.042922465	3.677949761	2.5865493
appA	gi 49175990 ref NC_000913.2	+	1039840	1041138	99.36699597	87.33322052	113.3462571	88.71753473	88.76405448	-0.026731758	0.068761217	0.016354
etk	gi 49175990 ref NC_000913.2	-	1041253	1043433	366.9641353	396.1017031	264.5213808	268.1161957	336.1874222	0.380729248	1.138039656	0.5812037
etp	gi 49175990 ref NC_000913.2	-	1043453	1043899	32.88846658	19.84413923	10.80186439	14.48030854	11.26911954	1.153438931	2.40466282	1.5222897
gfcE	gi 49175990 ref NC_000913.2	-	1043887	1045026	75.31892232	67.39639092	29.97135401	42.54831731	48.01225836	0.825835834	2.677567538	1.7539132
gfcD	gi 49175990 ref NC_000913.2	-	1045072	1047168	164.7329734	199.5358299	138.2518098	134.6836207	163.5486486	0.295061339	0.758739882	0.3450565
gfcC	gi 49175990 ref NC_000913.2	-	1047168	1047914	41.95769597	66.62278095	30.527806	27.02651151	33.55318943	0.783790473	2.367508176	1.4947864

gfcB	gi 49175990 ref NC_000913.2	-	1047911	1048555	58.79277859	55.06509148	17.82953556	23.56756997	30.06209195	1.24829055	4.778273041	3.5357146
gfcA	gi 49175990 ref NC_000913.2	-	1048662	1048967	116.4423425	128.2572702	93.3551136	93.23871162	125.2841094	0.215870621	0.482221646	0.2027933
insA	gi 49175990 ref NC_000913.2	+	1049056	1049331	177.0575642	190.9390716	147.1012157	190.603065	232.8792915	-0.073833406	0.060808232	0.0119952
insB	gi 49175990 ref NC_000913.2	+	1049250	1049753	618.6677156	679.1547968	450.9410257	610.8538941	633.5174771	0.171027829	0.424790661	0.1739525
cspH	gi 49175990 ref NC_000913.2	-	1050186	1050398	577.1901065	729.5615923	286.3890584	655.3522667	652.3428682	0.230117601	0.551925582	0.2392178
cspG	gi 49175990 ref NC_000913.2	+	1050684	1050896	13617.94124	14857.94368	9549.908315	14766.17629	13358.58861	0.149740815	0.341801927	0.1341942
ymcE	gi 49175990 ref NC_000913.2	+	1051070	1051300	1763.91389	1623.18449	996.1573542	1404.44713	1255.161693	0.472681181	1.453392601	0.7948157
gnsA	gi 49175990 ref NC_000913.2	+	1051290	1051463	743.8304737	763.656754	208.869884	794.1285108	781.134906	0.289149532	0.517853837	0.2218965
yccM	gi 49175990 ref NC_000913.2	-	1051512	1052585	306.0371062	302.9813091	435.9365776	418.0788959	335.729649	-0.372094068	1.030042892	0.5156465
torS	gi 49175990 ref NC_000913.2	-	1052657	1055401	287.8683344	273.5194225	251.2378809	273.5757428	298.2094609	0.033974929	0.052414195	0.0090435
torT	gi 49175990 ref NC_000913.2	+	1055484	1056512	127.1236665	112.9792926	150.6406336	130.1090861	120.2142646	-0.130600707	0.279799235	0.1055868
torR	gi 49175990 ref NC_000913.2	-	1056485	1057177	131.9303539	160.5924867	105.8081334	93.14792065	95.40262461	0.555378671	1.864029276	1.098592
torC	gi 49175990 ref NC_000913.2	+	1057307	1058479	57.91998951	54.11675879	24.75315625	16.94932415	19.12084527	1.476568597	6.152477426	4.7356876
torA	gi 49175990 ref NC_000913.2	+	1058479	1061025	136.8792674	137.7208031	72.91216657	78.34099643	63.00174044	0.943039196	4.284403184	3.1042411
torD	gi 49175990 ref NC_000913.2	+	1061022	1061621	75.61861397	77.89016408	66.01551591	60.55028195	55.09977377	0.34430948	0.762072608	0.3466446
cbpM	gi 49175990 ref NC_000913.2	-	1061773	1062078	409.5921439	397.0036095	518.5372724	552.4927973	424.3433415	0.261947473	0.761947473	0.3466446
cbpA	gi 49175990 ref NC_000913.2	-	1062078	1062998	665.6366057	673.4177174	748.1778008	918.7607855	533.4150886	-0.131681488	0.230163621	0.0812973
yccE	gi 49175990 ref NC_000913.2	+	1063259	1064515	30.76204318	33.2572244	5.742394549	8.999490317	13.27773564	1.74104036	5.456609819	4.13673
agg	gi 49175990 ref NC_000913.2	+	1064808	1066049	803.2455053	800.6855878	2228.10656	2245.338245	1452.118663	-1.28985753	6.498588972	5.0470371
yccJ	gi 49175990 ref NC_000913.2	-	1066087	1066314	790.3503552	853.9130722	453.7529218	3918.347021	2995.525431	-2.211140374	16.45840274	10.052608
wrbA	gi 49175990 ref NC_000913.2	-	1066335	1066931	880.5052384	810.1463742	5997.585759	5312.779225	2679.620634	-2.429382446	15.54864161	13.217481
ymdF	gi 49175990 ref NC_000913.2	+	1067304	1067477	65.47630009	90.33834266	33.28199816	70.33558369	69.27669921	0.368129732	0.872854706	0.4140035
rutG	gi 49175990 ref NC_000913.2	-	1067734	1069062	60.60051154	43.59522512	51.2429966	70.52559665	73.85030535	-0.299687366	0.612017563	0.2709151
rutF	gi 49175990 ref NC_000913.2	-	1069083	1069577	12.83394361	9.459337712	15.68518795	10.23358794	14.54335018	-0.234756398	0.219261355	0.0760663
rutE	gi 49175990 ref NC_000913.2	-	1069588	1070178	13.21414032	13.29360878	14.6576957	13.52460101	16.75862426	-0.173478253	0.159481982	0.049678
rutD	gi 49175990 ref NC_000913.2	-	1070188	1070988	13.76364762	6.573728418	11.73594348	10.09048538	7.949291262	0.106469194	0	0
rutC	gi 49175990 ref NC_000913.2	-	1070996	1071382	10.62544256	3.725680333	13.18368962	14.4815914	9.116700389	-0.68138792	0.829809786	0.3863255
rutB	gi 49175990 ref NC_000913.2	-	1071394	1072086	10.71538499	10.44043605	18.27745717	14.61840043	13.54840975	-0.530039001	0.621007223	0.2767412
rutA	gi 49175990 ref NC_000913.2	-	1072086	1073234	13.17137255	5.620308004	11.68890518	6.853612713	10.07756299	0.058864709	0	0
rutR	gi 49175990 ref NC_000913.2	+	1073465	1074103	188.9882951	168.0650799	198.0305124	158.1815759	142.7324753	0.131361536	0.170807782	0.0537934
putA	gi 49175990 ref NC_000913.2	-	1074143	1078105	1009.410916	882.3082316	292.7678177	264.6427083	253.6476784	1.831643225	16.02022672	13.640761
putP	gi 49175990 ref NC_000913.2	+	1078528	1080036	403.3204232	319.0307502	249.4050871	204.0116501	145.2210591	0.905640488	3.350260631	2.306194
efeO	gi 49175990 ref NC_000913.2	+	1081466	1082593	103.061532	93.994225	36.43303622	48.12347953	49.23817129	1.142813135	5.172572213	3.8828041
efeB	gi 49175990 ref NC_000913.2	+	1082599	1083870	83.339475	80.1787836	46.40707585	36.02116647	40.40243048	1.017290983	4.015470768	2.8649488
phaH	gi 49175990 ref NC_000913.2	+	1084215	1085279	145.2816905	170.0757637	80.28790531	96.40138974	107.470304	0.70402918	2.73367584	1.7998022
pgaD	gi 49175990 ref NC_000913.2	-	1085329	1085742	61.70541604	64.59726221	48.0479975	54.86994261	52.71125231	0.274158221	0.562203732	0.2454308
pgaC	gi 49175990 ref NC_000913.2	-	1085744	1087069	30.04760165	34.21940452	42.43497689	33.86422765	49.14833019	-0.390588699	0.660668134	0.297006
pgaB	gi 49175990 ref NC_000913.2	-	1087062	1089080	75.83024662	54.03242956	78.23344328	63.06367997	89.48759689	-0.203647162	0.435544767	0.1778513
pgaA	gi 49175990 ref NC_000913.2	-	1089089	1091512	169.3418589	191.9094071	146.6793956	165.9972436	200.4631404	0.052041646	1.26659212	0.0373086
ycdT	gi 49175990 ref NC_000913.2	+	1092099	1093457	129.9936161	128.2150117	98.4542586	140.2682851	208.9902167	-0.230950677	0.327627711	0.128073
insF	gi 49175990 ref NC_000913.2	-	1093498	1094364	134.7548975	147.2514868	186.1821394	215.1431224	205.2582007	-0.536665587	1.538808214	0.8557505
insE	gi 49175990 ref NC_000913.2	-	1094361	1094660	67.14124572	77.92982614	96.02736785	70.82164476	74.16146196	-0.151798243	0.232878294	0.0823564
ycdU	gi 49175990 ref NC_000913.2	+	1095066	1096052	32.09563782	21.76360623	13.0302225	25.80869952	38.78965504	0.067470743	0.03597543	0.0036811
ghrA	gi 49175990 ref NC_000913.2	+	1097109	1098047	865.0383951	728.4222499	740.8851323	617.8917549	612.6262564	0.311819263	0.70478679	0.3157646
ycdX	gi 49175990 ref NC_000913.2	+	1098102	1098839	741.9933765	749.4018968	690.9108308	683.8065109	588.0210085	0.191648052	0.430150217	0.1762871
ycdY	gi 49175990 ref NC_000913.2	+	1098863	1099417	659.2558222	681.025951	495.1527587	467.7363006	590.8470052	0.363875254	1.043892768	0.5210963
ycdZ	gi 49175990 ref NC_000913.2	+	1099519	1100010	1216.931549	1304.120448	1262.403908	1423.852404	1564.584742	-0.187064477	0.34273117	0.1341942
csgG	gi 49175990 ref NC_000913.2	-	1100074	1100907	119.5486249	133.9631215	111.5749619	175.8392946	191.441915	-0.36808052	0.676996952	0.3033725
csgF	gi 49175990 ref NC_000913.2	-	1100934	1101350	5.040489558	4.740808851	6.425105136	2.359292457	5.574724205	0.058287219	0	0
csgD	gi 49175990 ref NC_000913.2	-	1101769	1102419	13.21651012	23.84257693	9.603043658	9.110034717	17.69437922	0.540806946	0.844926388	0.39638
csgB	gi 49175990 ref NC_000913.2	+	1103174	1103629	11.12463735	5.637997985	13.86480304	7.879650002	3.570347504	0.074375093	0	0
csgA	gi 49175990 ref NC_000913.2	+	1103670	1104125	48.28693958	55.12360402	64.92773119	63.89766045	60.64040503	-0.300623758	0.546478596	0.235234
csgC	gi 49175990 ref NC_000913.2	+	1104184	1104516	36.40425726	39.9112183	30.92619803	32.61907462	43.50799347	0.079828893	0.103611161	0.0277229
ymdA	gi 49175990 ref NC_000913.2	+	1104637	1104948	13.14454103	14.25376002	21.29367892	20.24450307	23.49613302	-0.663697043	0.994158865	0.4894139
ymdB	gi 49175990 ref NC_000913.2	+	1105043	1105576	214.9170716	188.0035587	388.8196765	344.0375151	226.0591425	-0.631777194	2.056273459	1.2422391
ymdC	gi 49175990 ref NC_000913.2	+	1105578	1106999	486.0689379	453.9748903	655.9258756	643.2886544	432.4072981	-0.276381434	0.671701334	0.3010864
opgC	gi 49175990 ref NC_000913.2	-	1107007	1108164	226.683425	262.2067164	141.6731656	187.143182	204.9888751	0.423772084	1.246870687	0.654824

opgG	gi 49175990 ref NC_000913.2	+	1108558	1110093	2503.765922	2516.999455	2188.061237	2372.263585	2298.430851	0.130835486	0.265441054	0.0972218
opgH	gi 49175990 ref NC_000913.2	+	1110086	1112629	3027.42321	3107.792522	2942.576742	2613.614051	3102.548819	0.085684561	0.164920126	0.0519869
yceK	gi 49175990 ref NC_000913.2	+	1112802	1113029	734.2130154	788.3730167	529.0139291	782.026264	586.8373424	0.244504909	0.636075118	0.284622
msyB	gi 49175990 ref NC_000913.2	-	1113030	1113404	634.3301364	597.3997512	439.6377618	591.4392304	403.0468378	0.367805046	0.968401805	0.4717621
mdtG	gi 49175990 ref NC_000913.2	-	1114487	1114713	244.6513548	256.465228	342.0545195	354.1126796	284.0781348	-0.385692129	1.023462558	0.5114992
lpxL	gi 49175990 ref NC_000913.2	-	1114885	1115805	881.8208465	959.3456356	890.4979602	837.7196464	1053.002712	-0.02513719	0.011372566	0
yceA	gi 49175990 ref NC_000913.2	+	1116030	1117082	220.682258	230.8190742	132.0254273	169.095511	155.8889195	0.551949487	1.855463437	1.0918861
yceI	gi 49175990 ref NC_000913.2	-	1117124	1117699	87.74364829	85.46963652	39.67756427	67.11010042	72.61672616	0.515703722	1.329899994	0.7169348
yceJ	gi 49175990 ref NC_000913.2	-	1117703	1118269	54.49997254	64.63592041	37.41191271	36.01562106	48.01836507	0.532540945	1.405485552	0.7626509
solA	gi 49175990 ref NC_000913.2	-	1118691	1119809	513.4040175	545.2154393	410.1364051	395.9022714	457.488281	0.319307686	0.924993495	0.4496612
bssS	gi 49175990 ref NC_000913.2	-	1119924	1120178	2456.802574	2666.157098	4816.45204	5831.892287	4838.195522	-1.028061328	4.759086655	3.5220842
dinI	gi 49175990 ref NC_000913.2	-	1120465	1120710	771.360876	848.2225545	325.8059788	338.7973716	459.4205386	1.088529571	6.076839498	4.6710451
pyrC	gi 49175990 ref NC_000913.2	-	1120784	1121830	379.6948374	396.0862924	305.8261548	339.7577706	393.4442079	0.148973066	0.339598923	0.1335511
yceB	gi 49175990 ref NC_000913.2	-	1121936	1122496	419.7856119	395.0903041	353.9268408	460.6436935	474.2753947	-0.08114186	0.127697395	0.0373086
grxB	gi 49175990 ref NC_000913.2	-	1122630	1123277	992.501941	1002.051708	1261.795003	1313.916992	1242.945451	-0.354008493	0.982430119	0.4800648
mdtH	gi 49175990 ref NC_000913.2	-	1123341	1124549	75.55873236	79.79829179	112.5278774	109.8529918	76.63279818	-0.45457344	1.235071889	0.645933
rimJ	gi 49175990 ref NC_000913.2	+	1124785	1125369	859.1259358	928.9486966	1093.019114	1063.954525	1005.188993	-0.245789623	0.554662258	0.2405348
yceH	gi 49175990 ref NC_000913.2	+	1125380	1126027	575.4928871	567.0265658	704.8568227	616.6036173	499.5626116	-0.073118676	0.148111097	0.0446157
yceM	gi 49175990 ref NC_000913.2	+	1126029	1126952	718.5131698	627.7593914	1009.329132	957.4669917	905.3720696	-0.484968791	1.724050058	0.998931
murJ	gi 49175990 ref NC_000913.2	+	1127062	1128597	556.8709388	604.1138635	474.2156508	578.2879809	518.2741263	0.1302358	0.308155406	0.1190216
flgN	gi 49175990 ref NC_000913.2	-	1128637	1129053	763.5675689	744.6364759	871.7587465	1344.974283	1218.065949	-0.617091128	1.957802902	1.1674324
flgM	gi 49175990 ref NC_000913.2	-	1129058	1129351	784.4662605	748.4255214	1149.570058	1435.902867	1241.830965	-0.735975136	2.956730043	1.9772435
flgA	gi 49175990 ref NC_000913.2	-	1129427	1130086	778.4409816	821.6083581	1193.261294	690.0062958	797.8014391	-0.141406498	0.289536265	0.1110664
flgB	gi 49175990 ref NC_000913.2	+	1130241	1130657	2611.917555	2926.421197	3403.486307	2231.644706	3305.499972	-0.111288596	0.17751026	0.0561466
flgC	gi 49175990 ref NC_000913.2	+	1130661	1131065	3192.938311	3104.916872	4130.733489	3096.989794	3929.310339	-0.227307842	0.523745834	0.2243123
flgD	gi 49175990 ref NC_000913.2	+	1131077	1131772	4742.7057871	4578.071266	6254.874845	4974.811719	5804.931005	-0.271880219	0.650095418	0.2910887
flgE	gi 49175990 ref NC_000913.2	+	1131797	1133005	5979.037362	5462.319494	8274.809881	5761.942804	6620.574846	-0.238502523	0.563722789	0.246286
flgF	gi 49175990 ref NC_000913.2	+	1133025	1133780	2891.005933	2572.980097	4363.323785	3076.703826	3045.812987	-0.319212763	0.865717879	0.4093135
flgG	gi 49175990 ref NC_000913.2	+	1133952	1134734	3416.303547	3330.973339	5044.476309	3804.328013	4122.491402	-0.341222093	0.904750661	0.4351343
flgH	gi 49175990 ref NC_000913.2	+	1134787	1135485	963.4865742	969.7566423	1426.559547	1092.252612	1165.607571	-0.333768251	0.9134876	0.4415479
flgI	gi 49175990 ref NC_000913.2	+	1135497	1136594	1589.463847	1589.030706	2208.168927	1847.773511	1787.121432	-0.282916359	0.666737998	0.298619
flgJ	gi 49175990 ref NC_000913.2	+	1136594	1137535	1417.419125	1331.602211	1974.929388	1675.165849	1770.153256	-0.378244657	1.060360721	0.5299893
flgK	gi 49175990 ref NC_000913.2	+	1137601	1139244	2793.80541	2570.146475	5674.985115	5226.713302	4316.784519	-0.898411606	3.980253741	2.8342323
flgL	gi 49175990 ref NC_000913.2	+	1139256	1140209	2231.386553	2112.350823	4058.887285	4458.740287	4521.624677	-0.998115064	4.93475428	3.6750879
rne	gi 49175990 ref NC_000913.2	+	1140405	1143590	6710.254768	6326.663277	7051.680669	6326.902414	8178.239733	-0.133483978	0.253463142	0.0293968
yceQ	gi 49175990 ref NC_000913.2	+	1143725	1144045	896.4376241	946.0337834	766.657754	878.0248149	1189.557578	-0.058403032	0.051413615	0.0088785
rluC	gi 49175990 ref NC_000913.2	+	1144163	1145122	500.0397108	454.9128901	306.9652245	333.0017642	364.3842495	0.519197613	1.732753575	1.0056234
yceF	gi 49175990 ref NC_000913.2	-	1145234	1145818	471.7429443	503.4258235	388.0690964	402.6689105	520.0696757	0.140791174	0.323507886	0.125886
yceD	gi 49175990 ref NC_000913.2	+	1146017	1146538	7676.889928	8790.570128	5419.4903	5780.926997	8717.354548	0.276513333	6.702063862	0.2999977
rpmF	gi 49175990 ref NC_000913.2	+	1146590	1146763	8632.736429	10236.20097	5765.844824	6336.988731	9444.232939	0.353299714	0.930603029	0.4525949
plsX	gi 49175990 ref NC_000913.2	+	1146844	1147914	2308.631726	2424.888966	2284.738068	2245.735458	2427.333043	0.021010827	0.050890168	0.0085479
fabH	gi 49175990 ref NC_000913.2	+	1147982	1148935	1297.163277	1352.547719	1823.815707	1382.455033	1080.776342	-0.093661594	0.180140793	0.0573017
fabD	gi 49175990 ref NC_000913.2	+	1148951	1149880	1878.539079	1837.871016	1981.104573	1628.010941	1496.676984	0.142668523	0.235395624	0.0836772
fabG	gi 49175990 ref NC_000913.2	+	1149893	1150627	6662.987371	7378.183444	7577.373282	8036.400545	8786.3608	-0.232437982	0.42994886	0.1762871
acpP	gi 49175990 ref NC_000913.2	+	1150838	1151074	17211.95386	19732.40211	14188.76007	13590.88327	20642.59381	0.165292609	0.36679816	0.145076
fabF	gi 49175990 ref NC_000913.2	+	1151162	1152403	5667.014121	5639.975582	5391.844961	4970.228379	5848.534753	0.06579243	0.115465517	0.0327284
pabC	gi 49175990 ref NC_000913.2	+	1152523	1153332	246.236084	232.656045	219.5783803	197.3045177	167.4165575	0.314868878	0.70201208	0.3141674
yceG	gi 49175990 ref NC_000913.2	+	1153335	1154357	464.5549747	441.635368	442.5681448	374.6189395	390.4375589	0.185270337	0.366909001	0.145076
tmk	gi 49175990 ref NC_000913.2	+	1154347	1154988	417.8694392	396.0432288	401.9232804	286.1369629	281.8284993	0.357581741	0.834814948	0.3898479
hoiB	gi 49175990 ref NC_000913.2	+	1154985	1155989	647.721452	637.316267	566.2150809	529.222411	516.0936773	0.256703568	0.614169625	0.2718962
yceH	gi 49175990 ref NC_000913.2	+	1156000	1156797	876.286854	913.7344602	1029.80569	1113.218746	1073.506909	-0.269507835	0.626626041	0.2803477
ptsG	gi 49175990 ref NC_000913.2	+	1157092	1158525	2702.517089	2727.85963	3988.182938	3714.528341	4309.53077	-0.562025601	1.884728813	1.1142925
fhuE	gi 49175990 ref NC_000913.2	-	1158585	1160774	163.4490083	199.5390732	146.3746991	166.9712224	164.8409016	0.155068796	0.360842335	0.1426462
hinT	gi 49175990 ref NC_000913.2	+	1161108	1161467	1313.776896	1290.781544	1338.938497	1039.515032	1052.376822	0.203226312	0.409886581	0.1671417
ycfL	gi 49175990 ref NC_000913.2	+	1161470	1161847	1045.747398	1182.570283	1284.976452	1014.932741	1194.597743	-0.073797932	0.108429302	0.0293547
lpoB	gi 49175990 ref NC_000913.2	+	1161861	1162502	1378.611943	1417.1281	1549.233125	1421.673042	1393.300638	-0.056411929	0.095383371	0.025393
thiK	gi 49175990 ref NC_000913.2	+	1162483	1163307	556.5472558	550.8818851	591.1378183	571.6493742	447.936605	0.053617477	0.077261839	0.0190413

nagZ	gi 49175990 ref NC_000913.2	+	1163318	1164343	955.801342	829.1154325	1306.799951	1044.977049	869.7733404	-0.230016424	0.589436782	0.2601007
ycfP	gi 49175990 ref NC_000913.2	+	1164366	1164908	1617.608708	1452.206855	2623.061494	2218.739031	1770.548367	-0.491774679	1.460264859	0.7982741
ndh	gi 49175990 ref NC_000913.2	+	1165308	1166612	1831.54056	1634.567802	1634.826791	1503.297951	1070.666331	0.333934627	0.701620739	0.3141627
ycfJ	gi 49175990 ref NC_000913.2	+	1166822	1167361	360.043394	318.1285309	278.7193698	269.1835928	300.5034988	0.277824207	0.635548827	0.284622
ycfQ	gi 49175990 ref NC_000913.2	-	1167423	1168055	224.3359972	199.4074141	158.9787889	154.6858914	140.3605559	0.504610492	0.635548827	0.7982741
bhsA	gi 49175990 ref NC_000913.2	+	1168296	1168553	132.8406649	146.3047149	77.53885756	84.19055585	106.2581828	0.6222958	2.192601023	1.3453652
ycfS	gi 49175990 ref NC_000913.2	-	1168635	1169597	132.6779036	154.8765135	116.5774341	109.910522	108.8630064	0.34594633	0.956434268	0.4664353
mfd	gi 49175990 ref NC_000913.2	-	1169741	1173187	1132.955771	1028.596514	1120.576571	980.0041694	996.1891691	0.086644641	0.122078378	0.0359921
ycfT	gi 49175990 ref NC_000913.2	-	1173315	1174388	20.33688015	28.55935218	29.78968174	34.83857057	46.81946631	-0.646492859	1.200763471	0.6212005
loiC	gi 49175990 ref NC_000913.2	+	1174650	1175849	1058.926943	1018.17546	828.0960466	828.6062601	909.5914601	0.283027239	0.712655716	0.3184473
loiD	gi 49175990 ref NC_000913.2	+	1175842	1176543	657.0178551	623.998287	657.2394615	546.124979	528.5310872	0.167759028	0.307312483	0.1188375
loiE	gi 49175990 ref NC_000913.2	+	1176543	1177787	1198.479544	1119.79177	1328.620079	1111.198021	1103.944819	-0.007888799	0.040959012	0.0047848
nagK	gi 49175990 ref NC_000913.2	+	1177816	1177877	976.7822773	810.0988164	1252.90233	1060.691688	984.0062842	-0.261807573	0.722501332	0.3231729
cobB	gi 49175990 ref NC_000913.2	+	1178854	1179582	525.2152601	487.2150819	707.4176362	593.1255267	504.0182345	-0.224835979	0.577222561	0.2530904
ycfZ	gi 49175990 ref NC_000913.2	-	1179702	1180490	53.65707699	37.89665506	26.36346004	40.44105623	61.15445076	0.116563601	0.121057487	0.035482
ymfA	gi 49175990 ref NC_000913.2	-	1180487	1180948	23.78586106	40.01144772	16.80219516	24.75268851	38.82804212	0.174717554	0.29361656	0.1132993
potD	gi 49175990 ref NC_000913.2	-	1181006	1182052	1690.728463	1550.997365	1179.317008	1134.63507	1130.752862	0.511774113	1.688251627	0.9709883
potC	gi 49175990 ref NC_000913.2	-	1182049	1182843	397.0981477	370.3913523	402.8886119	356.6276037	360.1608292	0.055786689	0.070098256	0.0170551
potB	gi 49175990 ref NC_000913.2	-	1182840	1183667	411.5648934	389.3938076	504.5087977	405.9931714	386.1130967	-0.089570794	0.197013559	0.0647991
pepA	gi 49175990 ref NC_000913.2	-	1184817	1184817	1231.785751	1196.744889	996.448787	926.2510287	1092.377852	0.276361365	0.693214577	0.3103556
pepT	gi 49175990 ref NC_000913.2	+	1185067	1186293	1648.130327	1655.519804	2166.42083	1963.300323	2222.048966	-0.35691041	0.901863107	0.4337119
ycfD	gi 49175990 ref NC_000913.2	-	1186342	1187463	1609.600754	1634.629204	1782.902644	1664.978837	1702.821394	-0.081127203	0.139852109	0.0418239
phoQ	gi 49175990 ref NC_000913.2	-	1187539	1188999	1545.418541	1491.183186	1378.265465	1474.061277	1136.652556	0.19933584	0.413479579	0.1691072
phoP	gi 49175990 ref NC_000913.2	-	1188999	1189670	1331.492001	1290.775181	1287.28087	1571.49076	1224.050061	-0.05532147	0.086659134	0.0221756
purB	gi 49175990 ref NC_000913.2	-	1189839	1191209	791.3000592	778.8339849	829.9140646	856.2440895	568.1314532	0.073424213	0.11137069	0.0306299
hflD	gi 49175990 ref NC_000913.2	-	1191213	1191854	892.4767685	825.3456894	692.0848138	821.7649383	903.8481208	0.092252427	0.17678188	0.0559818
mnmA	gi 49175990 ref NC_000913.2	-	1191890	1192996	2597.088812	2659.480162	2098.829257	1866.942967	2256.731039	0.339111825	0.871996343	0.4137582
nudJ	gi 49175990 ref NC_000913.2	-	1193050	1193511	1231.106785	201.3169019	270.7825112	142.5820201	162.6131669	0.430716808	1.147541267	0.5877497
rluE	gi 49175990 ref NC_000913.2	-	1193521	1194174	259.0122866	284.9809766	192.9864988	224.1752704	234.2936047	0.3038189	0.825906324	0.3836046
icd	gi 49175990 ref NC_000913.2	+	1194346	1195596	4415.425043	4021.453716	4484.847359	4311.727973	3118.915335	0.110450791	0.152121051	0.0472209
ymfD	gi 49175990 ref NC_000913.2	-	1196090	1196755	27.18796852	25.62818365	14.38128621	34.53581	34.55242656	-0.096326235	0.037108682	0.0039338
ymfE	gi 49175990 ref NC_000913.2	-	1196756	1197460	27.01218302	19.96900141	19.19206279	36.6031725	21.47575307	-0.169014061	0.187669944	0.0607696
lit	gi 49175990 ref NC_000913.2	+	1197918	1198811	57.98782108	58.88866561	43.09494854	63.62430881	50.53908643	0.144422492	0.229576106	0.0808909
intE	gi 49175990 ref NC_000913.2	-	1198902	1200029	75.18630867	71.21373968	58.06789647	83.9701712	90.60574226	-0.092617397	0.108615528	0.0294058
xisE	gi 49175990 ref NC_000913.2	-	1200010	1200255	12.44187008	12.44187008	16.91542	11.37042281	28.76753747	-0.085330949	0	0
ymfI	gi 49175990 ref NC_000913.2	+	1200720	1201061	160.1692927	164.3234679	86.68661891	185.5299888	152.4283461	0.166263779	0.327547584	0.128073
ymfJ	gi 49175990 ref NC_000913.2	-	1200999	1201307	144.9879115	120.5519895	80.80987916	129.7581974	120.9946396	0.269750493	0.53471987	0.2297408
cohE	gi 49175990 ref NC_000913.2	-	1201482	1202156	244.7702708	246.9506005	130.4430817	236.2265036	237.4583379	0.261346041	0.580135124	0.254877
croE	gi 49175990 ref NC_000913.2	+	1202247	1202447	13.4974523	20.00554235	8.329277254	10.15586591	15.51651845	0.508641342	0.746784737	0.3385405
ymfL	gi 49175990 ref NC_000913.2	+	1202491	1203048	66.15352386	51.20984869	84.12038772	92.00220523	109.6836513	-0.676184734	2.169035108	1.3280853
ymfM	gi 49175990 ref NC_000913.2	+	1203045	1203383	41.12975277	37.96758783	69.23315241	73.9888419	76.22404756	-0.879339531	3.130156311	2.120125
ymfQ	gi 49175990 ref NC_000913.2	+	1206136	1206720	2.764658204	7.657518245	6.527047224	8.799241541	1.292033949	-0.159973204	0.033286024	0.0030156
stfP	gi 49175990 ref NC_000913.2	+	1206724	1207353	13.17137255	5.620380004	20.24855333	9.114499754	8.039456655	-0.307071424	0.388754126	0.1545033
tfaP	gi 49175990 ref NC_000913.2	+	1207355	1207768	17.36420658	21.88226953	5.525191609	4.607378808	11.01750397	1.434152424	3.183901039	2.1650512
tfaE	gi 49175990 ref NC_000913.2	-	1207740	1208342	23.78978994	26.61331253	12.35648968	17.87364809	17.88239779	0.627778319	1.117236461	0.5675368
pinE	gi 49175990 ref NC_000913.2	+	1208908	1209462	6.774937048	8.564410798	6.834797762	5.730090759	12.1485906	-0.124889109	0.049175328	0.0081378
mcrA	gi 49175990 ref NC_000913.2	+	1209569	1210402	41.56261875	42.74460069	19.65526739	32.55589472	47.76206189	0.311329638	0.548210145	0.2367121
iraM	gi 49175990 ref NC_000913.2	-	1210903	1211226	5.410322176	8.581735411	5.525191609	4.607378808	11.01750397	-0.055256112	0	0
ycgX	gi 49175990 ref NC_000913.2	-	1211926	1212330	23.80667731	23.80667731	13.42205637	17.80580892	12.43856676	0.432489142	0.642842775	0.2867508
ycgE	gi 49175990 ref NC_000913.2	-	1212551	1213282	892.938069	867.1601552	780.4420435	884.4186388	799.8662631	0.099553372	0.198165886	0.0652279
ycfF	gi 49175990 ref NC_000913.2	-	1213487	1214698	401.1670454	416.0297527	121.7658031	365.45167	222.2396459	0.748079558	2.126928485	1.2973314
ycgZ	gi 49175990 ref NC_000913.2	+	1215012	1215248	19.15827756	15.15618824	10.68399449	7.989367363	14.42954285	0.655578307	0.849057307	0.3972037
ymgC	gi 49175990 ref NC_000913.2	+	1215971	1216219	2.699350544	8.62063585	9.49234989	10.14031546	13.36009847	-1.042573239	1.004263161	0.4960958
ycgG	gi 49175990 ref NC_000913.2	+	1216551	1218074	53.98155621	60.82005985	45.75852842	60.43324892	60.4637982	0.023008704	0.053763491	0.0094608
ymgF	gi 49175990 ref NC_000913.2	+	1218206	1218424	75.84812309	92.19562225	52.70127967	58.54710676	98.08337525	0.22805622	0.477135898	0.2008702
ymgD	gi 49175990 ref NC_000913.2	-	1221528	1221857	462.9483357	488.223337	300.0907969	457.2376578	498.7576303	0.155203833	0.360824178	0.1426462
ymgG	gi 49175990 ref NC_000913.2	-	1221867	1222211	393.3082211	445.5142716	238.9739318	353.0160622	394.4280537	0.313458733	0.862992096	0.4075017

ymgl	gi 49175990 ref NC_000913.2	-	1222213	1222386	113.4044433	151.1287004	49.37069113	68.67988314	132.4965425	0.597924527	1.548452186	0.8638499
minE	gi 49175990 ref NC_000913.2	-	1223502	1223768	766.4830706	801.6579925	747.2622587	740.093165	867.9899662	-0.011912495	0	0
minD	gi 49175990 ref NC_000913.2	-	1223772	1224584	2314.363836	2394.487659	2491.203381	2199.83253	2327.620143	0.009304309	0.017577264	0
minC	gi 49175990 ref NC_000913.2	-	1224608	1225303	1613.286598	1685.932824	2057.72294	1866.909803	2197.306092	-0.312532549	0.716217127	0.3190229
ycgJ	gi 49175990 ref NC_000913.2	+	1225823	1226191	121.5315869	104.4194049	81.42654036	116.1487164	76.54869718	0.317894984	0.660220287	0.2968642
pliG	gi 49175990 ref NC_000913.2	-	1226294	1226695	234.2667838	269.8035503	157.4068494	228.2957292	178.466456	0.391460736	1.114060397	0.5667635
ycgL	gi 49175990 ref NC_000913.2	+	1226937	1227230	231.6664587	273.613849	151.4513937	149.2151213	170.351276	0.660957857	2.532170016	1.6315256
ycgM	gi 49175990 ref NC_000913.2	+	1227302	1227961	353.6064586	324.7940205	302.3905884	302.6686962	281.6627444	0.212073705	0.440503424	0.1808157
ycgN	gi 49175990 ref NC_000913.2	+	1228038	1228499	172.6720872	184.2859428	175.0407164	174.8677941	163.865347	0.052760763	0.09611917	0.0257826
hlyE	gi 49175990 ref NC_000913.2	-	1228706	1229617	16.41800601	26.68255645	25.53726972	92.02458592	42.90318504	-1.389477405	2.730605571	1.7982981
umuD	gi 49175990 ref NC_000913.2	+	1229990	1230409	126.3587483	148.2292223	67.79869956	53.04478803	88.21186551	0.955184027	4.063908585	2.9118761
umuC	gi 49175990 ref NC_000913.2	+	1230409	1231677	221.5478212	214.6398997	150.9427577	147.9170661	125.8447003	0.632237778	2.167070365	1.3280853
dsbB	gi 49175990 ref NC_000913.2	-	1231723	1232253	610.4865619	665.8543554	632.1957241	640.3996075	857.6552738	-0.174597351	0.302468641	0.1162915
nhaB	gi 49175990 ref NC_000913.2	-	1232399	1233940	1019.493436	1072.357286	822.6475148	729.0215782	937.4795703	0.326243264	0.894337011	0.4283737
fadR	gi 49175990 ref NC_000913.2	+	1234161	1234880	871.4033122	866.2212909	1051.335299	1151.432273	1261.745561	-0.416524567	1.191811053	0.6165251
ycgB	gi 49175990 ref NC_000913.2	-	1234932	1236464	742.6888876	736.0957213	969.7329154	1225.854273	653.5255357	-0.35826513	0.819261963	0.3793157
dadA	gi 49175990 ref NC_000913.2	+	1236794	1238092	533.4646349	488.158727	436.4174165	345.3585416	273.0461506	0.569177207	1.706394863	0.9852214
dadX	gi 49175990 ref NC_000913.2	+	1238102	1239172	370.9865031	372.3235787	317.4143425	261.2931925	228.0261699	0.479587085	1.399384902	0.7607065
cvrA	gi 49175990 ref NC_000913.2	-	1239558	1241294	1193.926325	1159.702138	1330.870431	1417.0426	1337.158637	-0.208057036	0.466158961	0.1954443
ldcA	gi 49175990 ref NC_000913.2	-	1241389	1242303	267.6787826	310.6498417	337.792412	277.1388023	309.5982644	-0.105026625	0.156653632	0.0467535
emtA	gi 49175990 ref NC_000913.2	+	1242403	1243014	301.5730839	302.9877568	275.7767057	253.4825644	268.0862932	0.18788559	0.396311437	0.1585723
ycgR	gi 49175990 ref NC_000913.2	-	1243016	1243750	462.391601	476.815289	649.2297423	744.308821	707.8010058	-0.586528584	2.054666002	1.2413259
ymgE	gi 49175990 ref NC_000913.2	+	1243951	1244205	68.08436273	90.32523841	105.4656898	116.1419461	52.2461104	-0.228823846	0.302076786	0.1160633
ycgY	gi 49175990 ref NC_000913.2	+	1244383	1244823	20.97525259	18.01598722	16.08011305	21.15033918	14.69752257	0.184022373	0.155476678	0.0487535
treA	gi 49175990 ref NC_000913.2	-	1244902	1246599	666.4597077	637.2987693	892.6612822	934.8378338	745.1318388	-0.386065119	1.153228645	0.5905891
dhaM	gi 49175990 ref NC_000913.2	-	1246919	1248337	3503.844407	3581.74655	2424.170965	1429.257189	3684.867932	0.489771154	1.120169993	0.5686948
dhaL	gi 49175990 ref NC_000913.2	-	1248348	1248980	1822.470175	1738.128627	951.7242306	607.3957984	1517.669946	0.796939593	2.417014615	1.5321947
dhaK	gi 49175990 ref NC_000913.2	-	1248991	1250061	3044.202974	2814.250257	1311.174608	780.1160674	2076.243419	1.083281121	3.688542455	2.5958239
dhaR	gi 49175990 ref NC_000913.2	+	1250289	1252208	298.5078942	291.5777197	219.1151646	254.2610094	206.5851985	0.381239271	1.045095291	0.5211846
ycgV	gi 49175990 ref NC_000913.2	-	1252308	1255175	281.3029119	289.7011822	297.8957614	347.5161927	373.3341858	-0.263160916	0.568878655	0.2488581
ychF	gi 49175990 ref NC_000913.2	-	1255944	1257035	1454.309748	1504.513866	895.262643	1004.715585	1344.392765	0.43397754	1.310474589	0.7014279
pth	gi 49175990 ref NC_000913.2	-	1257152	1257736	173.5253259	212.8392569	144.738967	140.2458631	158.0423623	0.358806387	0.995449879	0.4899061
ychH	gi 49175990 ref NC_000913.2	+	1258014	1258292	2303.40478	2546.489856	4535.188198	4917.322461	5134.054037	-1.023388644	4.843235782	3.5893472
ychM	gi 49175990 ref NC_000913.2	-	1258347	1260026	606.4838512	585.0632504	654.350342	613.4985275	780.4091994	-0.194578332	0.425495354	0.1743904
prs	gi 49175990 ref NC_000913.2	-	1260151	1261098	3815.238398	3576.005774	3456.374031	3173.114094	4138.840688	0.048550891	0.072798143	0.017494
ispE	gi 49175990 ref NC_000913.2	-	1261249	1262100	3717.994466	4247.619147	4316.946481	3093.817799	5070.837911	-0.07935481	0.093622578	0.024853
lolB	gi 49175990 ref NC_000913.2	-	1262100	1262723	685.3704015	659.1470508	606.0417569	562.8795034	563.1747465	0.228862092	0.520634799	0.2226309
hemA	gi 49175990 ref NC_000913.2	+	1262937	1264193	1498.01285	1478.846522	1265.820856	1204.264155	1389.65176	0.210891276	0.481407272	0.202515
prfA	gi 49175990 ref NC_000913.2	+	1264235	1265317	1432.976045	1432.311677	1130.534023	1051.847163	1287.496491	0.30712358	0.804599537	0.3710658
prmC	gi 49175990 ref NC_000913.2	+	1265317	1266150	821.5293943	822.5333279	863.4101723	709.9922001	890.4734553	0.005145036	0.004373591	0
ychQ	gi 49175990 ref NC_000913.2	+	1266147	1266539	394.7457661	349.4727088	369.384851	404.7564977	447.3659218	-0.119934745	0.244020007	0.088798
ychA	gi 49175990 ref NC_000913.2	+	1266543	1267352	668.1020321	687.672951	592.0246837	627.8274535	643.8041141	0.118341056	0.260493223	0.0958716
kdsA	gi 49175990 ref NC_000913.2	+	1267388	1268242	1612.572537	1725.836449	1347.696052	1134.876668	1385.178131	0.326376592	1.043353571	0.5210963
ldrA	gi 49175990 ref NC_000913.2	-	1268391	1268498	119.69152	127.2940278	120.3320088	135.8217662	187.9411633	-0.282026009	0.516364353	0.22137
ldrB	gi 49175990 ref NC_000913.2	-	1268926	1269033	37.11229544	38.95016846	32.04975031	26.04354397	44.53734544	0.144501839	0.18252248	0.0582503
ldrC	gi 49175990 ref NC_000913.2	-	1269461	1269568	106.8538359	123.5261308	104.1803497	121.1050332	139.9561325	-0.107887234	0.120836138	0.035482
chaA	gi 49175990 ref NC_000913.2	-	1269972	1271072	1065.252983	1224.369901	903.7946505	899.278326	1034.03309	0.252259809	0.688700088	0.3091873
chaB	gi 49175990 ref NC_000913.2	+	1271342	1271572	169.1286218	166.2057512	145.7377659	231.6062976	182.895459	-0.168650854	0.264757881	0.0969652
chaC	gi 49175990 ref NC_000913.2	+	1271730	1272425	435.1305193	385.5655019	532.236235	448.4635952	362.7287578	-0.094996195	0.226951469	0.0791779
ychN	gi 49175990 ref NC_000913.2	-	1272469	1272822	595.3706799	644.0047336	912.6597918	942.7580279	815.6985274	-0.531946807	1.80666945	1.057093
ychO	gi 49175990 ref NC_000913.2	+	1273007	1274401	456.357519	433.0863101	535.7440526	406.2979925	593.0484052	-0.1913731	0.422369462	0.1730485
narL	gi 49175990 ref NC_000913.2	-	1274402	1275052	1193.106513	1223.365253	1446.643079	764.3502748	1619.151483	-0.072712166	0.111034146	0.0304217
narX	gi 49175990 ref NC_000913.2	-	1275045	1276841	1417.244668	1399.062327	1104.212979	719.4740609	1691.625674	0.262591293	0.490667149	0.2079073
narK	gi 49175990 ref NC_000913.2	+	1277180	1278571	11268.18903	10034.70087	9379.278706	1007.166355	11199.11291	0.060675291	0.633016231	0.2835224
narG	gi 49175990 ref NC_000913.2	+	1279087	1282830	27311.89457	25338.08712	32368.87169	2849.147722	40438.10048	0.095383658	0.052544912	0.0090435
narH	gi 49175990 ref NC_000913.2	+	1282827	1284365	6514.268165	5724.449016	18724.11573	1986.978529	11241.89621	-0.720233003	1.03395309	0.5178105
narJ	gi 49175990 ref NC_000913.2	+	1284362	1285072	2720.069393	2377.310395	8365.86398	1180.841627	5655.514359	-0.920325015	1.635308232	0.9295682

narI	gi 49175990 ref NC_000913.2	+	1285072	1285749	3425.89596	3223.627519	12671.47291	2179.749115	8979.176544	-1.200280819	2.597229919	1.6819207
trp	gi 49175990 ref NC_000913.2	-	1286310	1286399	534.6056106	420.6560551	331.6494296	597.7505934	1012.705682	-0.442444454	0.787640986	0.3620573
purU	gi 49175990 ref NC_000913.2	-	1287005	1287847	657.0652802	615.4436262	388.6300215	552.4694562	539.3583957	0.3598068	0.979118547	0.4786629
ychJ	gi 49175990 ref NC_000913.2	-	1287897	1288355	734.4960415	874.8553897	797.4988507	838.5530283	800.9599439	-0.040023301	0.018117401	0
rssA	gi 49175990 ref NC_000913.2	+	1288468	1289373	924.6324774	861.4419191	1721.213195	1657.948277	1142.469142	-0.733957529	2.786501134	1.8383994
rssB	gi 49175990 ref NC_000913.2	+	1289465	1290478	653.6982014	651.5651197	801.6476655	957.1479154	762.9953075	-0.368152082	1.033198401	0.5177551
galU	gi 49175990 ref NC_000913.2	+	1290680	1291588	1494.144113	1510.20158	1410.360117	2042.453069	2018.879205	-0.298975537	0.603455357	0.2674799
hns	gi 49175990 ref NC_000913.2	-	1291732	1292145	6222.254742	6264.007479	3848.592503	7157.185407	8725.171971	-0.108194916	0.097967385	0.0262976
tdk	gi 49175990 ref NC_000913.2	+	1292750	1293367	180.4877517	219.4847321	122.5763013	102.4678436	184.421723	0.517535015	1.463319483	0.7989872
adhE	gi 49175990 ref NC_000913.2	-	1294669	1297344	9641.042048	9653.882966	25342.63311	30945.07254	14620.40235	-1.287370927	5.147026429	3.8593313
ychE	gi 49175990 ref NC_000913.2	+	1297821	1298468	242.0576784	211.74792	306.0725383	281.43891	265.9942933	-0.302582649	0.815105533	0.3775021
oppA	gi 49175990 ref NC_000913.2	+	1299206	1300837	358.6632621	328.5921002	321.7099524	365.479621	396.8914148	-0.068577372	0.122372618	0.0360746
oppB	gi 49175990 ref NC_000913.2	+	1300923	1301843	66.80154434	68.38965661	58.71957429	75.97100951	57.36823314	0.070877798	0.10565675	0.0283572
oppC	gi 49175990 ref NC_000913.2	+	1301858	1302766	115.7352236	131.117667	133.7028119	133.310522	109.0456611	-0.033419466	0.021586493	0.0002799
oppD	gi 49175990 ref NC_000913.2	+	1302778	1303791	149.6785202	112.9184419	156.8963072	127.8550498	106.8902901	0.05805722	0.01009936	0
oppF	gi 49175990 ref NC_000913.2	+	1303788	1304792	166.9583891	145.2622238	186.3666122	161.4768103	142.7057574	-0.038597138	0.095008161	0.0251728
yciU	gi 49175990 ref NC_000913.2	-	1304845	1305174	248.0901197	193.6558583	301.4115063	241.1416148	213.4426555	-0.142858471	0.361923664	0.1431209
cls	gi 49175990 ref NC_000913.2	-	1305209	1306669	1225.846693	1283.213315	1508.109665	1386.914279	1356.284905	-0.177338038	0.367788747	0.145076
yciY	gi 49175990 ref NC_000913.2	+	1306812	1306985	1953.574767	1940.457943	2792.353036	4872.323099	5918.64539	-1.246133482	4.97341228	3.7078901
kch	gi 49175990 ref NC_000913.2	-	1307040	1308293	206.4901429	239.4114878	155.333798	240.8194351	249.831849	0.010138993	0.075752184	0.0183319
yciI	gi 49175990 ref NC_000913.2	-	1308593	1308889	629.221024	727.61989	742.3317382	662.6302099	604.8383803	0.005803014	0.032233272	0.0030156
tonB	gi 49175990 ref NC_000913.2	+	1309113	1309832	204.1563609	222.2876557	103.9537156	116.5858144	124.3783028	0.872793198	3.917729434	2.7849363
yciA	gi 49175990 ref NC_000913.2	-	1309872	1310270	197.2890479	169.9518217	139.6754972	148.0272175	162.5052455	0.305950017	0.664173274	0.2977686
yciB	gi 49175990 ref NC_000913.2	-	1310375	1310914	373.4663108	379.9281521	418.9185968	395.7694482	370.3152312	-0.066151407	0.117074963	0.0329825
yciC	gi 49175990 ref NC_000913.2	-	1310944	1311687	670.9014012	767.5070593	780.4446651	838.5804932	846.8506177	-0.215608823	0.428952658	0.1756893
ompW	gi 49175990 ref NC_000913.2	+	1312044	1312682	203.7620469	205.1579269	1513.058119	2156.73408	380.4776599	-2.714319231	9.396729974	7.6511993
yciE	gi 49175990 ref NC_000913.2	-	1312742	1313248	22.38595	17.04614356	32.36213476	65.29923269	18.48994256	-0.954106998	1.769058191	1.0318826
yciF	gi 49175990 ref NC_000913.2	-	1313294	1313794	6.629690701	10.48804508	8.329239497	20.83790351	4.75317173	-0.450100678	0.313044327	0.1222592
yciG	gi 49175990 ref NC_000913.2	-	1313880	1314059	21.11181143	26.63692009	20.36184391	32.25576395	22.53715715	-0.101424614	0.032889073	0.0030156
trpA	gi 49175990 ref NC_000913.2	-	1314440	1315246	223.6666108	201.3121232	335.4080586	306.1701875	317.4750323	-0.571148758	2.006290876	1.2045874
trpB	gi 49175990 ref NC_000913.2	-	1315246	1316439	252.854218	216.487883	424.6534857	337.5497488	288.657181	-0.540939015	1.798164085	1.0521671
trpC	gi 49175990 ref NC_000913.2	-	1316451	1317809	198.1269208	196.6035686	266.128326	248.8394682	208.9182493	-0.281057402	0.658573874	0.295896
trpD	gi 49175990 ref NC_000913.2	-	1317813	1319408	120.6280154	144.4376158	133.2403023	148.0241124	168.0390718	-0.20704465	0.316842581	0.1239013
trpE	gi 49175990 ref NC_000913.2	-	1319408	1320970	37.63927887	41.81478486	47.59900893	39.40169053	48.15619639	-0.188041789	0.268925185	0.0994014
trpL	gi 49175990 ref NC_000913.2	-	1321062	1321106	6.700927531	9.526263889	6.984580103	11.1581928	11.16357507	-0.304237201	0.16400597	0.0518508
yciV	gi 49175990 ref NC_000913.2	+	1321244	1322125	591.5632961	644.0077364	763.4770971	930.3322111	844.6802033	-0.473227502	1.437371255	0.7820287
yciO	gi 49175990 ref NC_000913.2	+	1322122	1322742	474.0958825	532.8941123	612.6671278	572.9523595	563.1952125	-0.223831256	0.466819099	0.1956901
yciQ	gi 49175990 ref NC_000913.2	+	1322770	1324665	358.3722752	359.025416	400.4253691	367.8264679	379.1744363	-0.08916703	0.166282503	0.0525902
riuB	gi 49175990 ref NC_000913.2	+	1324876	1325751	1224.01978	1050.41607	1095.93929	1118.8789	1093.719808	0.065501672	0.080697905	0.0203997
btuR	gi 49175990 ref NC_000913.2	-	1325791	1326381	191.0332249	199.4741846	166.3212456	171.6597325	209.4810862	0.085660804	0.169218038	0.0533084
yciK	gi 49175990 ref NC_000913.2	-	1326378	1327136	230.5997686	255.5393427	251.1906744	263.5412053	300.4134164	-0.179971001	0.310750256	0.1211217
sohB	gi 49175990 ref NC_000913.2	+	1327356	1328405	890.8310192	767.3746846	987.5476184	982.9360364	622.0513793	-0.027789188	0.091837455	0.0238778
yciN	gi 49175990 ref NC_000913.2	-	1328441	1328692	1801.428039	2659.659684	1902.229493	2019.451857	2920.324099	-0.101456087	0.04009667	0.0045376
topA	gi 49175990 ref NC_000913.2	+	1329072	1331669	3540.182204	3262.559845	3109.729065	2854.586601	3165.448878	0.173986781	0.338696127	0.1335511
cysB	gi 49175990 ref NC_000913.2	+	1331879	1332853	921.6045685	993.5345642	627.3938154	854.1126594	864.6253875	0.266306567	0.74072402	0.3343714
ymiA	gi 49175990 ref NC_000913.2	+	1333184	1333312	129.5215831	120.5947641	224.9061625	263.4252843	281.3651254	-1.035767949	4.661977985	3.4340806
yciX	gi 49175990 ref NC_000913.2	+	1333315	1333482	138.0129145	145.3372517	208.199734	328.0475313	272.5708921	-0.951015835	3.60223818	2.5263499
acnA	gi 49175990 ref NC_000913.2	+	1333855	1336530	1814.319792	1704.878174	2954.756394	2827.211881	1682.197025	-0.476204117	1.247242135	0.654824
ribA	gi 49175990 ref NC_000913.2	-	1336594	1337184	739.5059253	738.9489676	705.374123	815.109248	954.242661	-0.169087579	0.320880356	0.1253096
pgpB	gi 49175990 ref NC_000913.2	+	1337354	1338118	391.5368349	352.3292573	498.1755183	465.1890544	373.887818	-0.237652187	0.602544029	0.2674799
yciS	gi 49175990 ref NC_000913.2	+	1338267	1338575	730.0881733	867.255575	846.6459967	861.0746114	905.159892	-0.15168164	0.24643314	0.0901954
yciM	gi 49175990 ref NC_000913.2	+	1338582	1339751	847.9585806	867.1844691	921.7918117	889.0481882	822.3827325	-0.03282277	0.052359081	0.0090435
pyrF	gi 49175990 ref NC_000913.2	+	1339945	1340682	474.4132018	484.4092866	375.8699262	377.9662908	454.0316367	0.24401085	0.60792437	0.2691543
yciH	gi 49175990 ref NC_000913.2	+	1340682	1341008	99.87619524	92.09869271	72.71880786	67.2931443	64.0340294	0.511451601	1.417872137	0.7708004
osmB	gi 49175990 ref NC_000913.2	-	1341134	1341352	183.5796221	184.2607328	138.2634285	156.8300913	142.5135676	0.330347017	0.82740669	0.3845141
yciT	gi 49175990 ref NC_000913.2	-	1341621	1342370	421.9733374	439.7773686	296.9131202	364.3847631	432.5910059	0.221302194	0.542278676	0.2332111
yciZ	gi 49175990 ref NC_000913.2	-	1342460	1342633	241.1892763	279.3043176	289.8356067	279.4565583	402.1839345	-0.342894525	0.719940464	0.3221157

gmr	gi 49175990 ref NC_000913.2	-	1342781	1344766	495.9569602	492.9452888	286.1084336	394.2867733	330.9614427	0.542138055	1.894558004	1.1216003
ymiB	gi 49175990 ref NC_000913.2	+	1344820	1344924	32.75663764	33.24245458	23.11751378	34.58636251	30.2684094	0.157613393	0.211208096	0.0721266
rnb	gi 49175990 ref NC_000913.2	-	1345002	1346936	1140.826682	1138.819232	740.9311645	745.7783612	981.0786754	0.463240432	1.462940897	0.7989872
yciW	gi 49175990 ref NC_000913.2	-	1347004	1348131	174.8729794	168.0964383	101.5094581	135.4090815	117.800789	0.531759296	1.639918285	0.9330939
fabI	gi 49175990 ref NC_000913.2	-	1348275	1349063	2552.140515	2725.037516	2033.471849	171.46805	1969.696719	0.465042523	1.408943465	0.7651708
ycjD	gi 49175990 ref NC_000913.2	-	1349431	1349784	82.90423669	74.04334404	113.205229	98.59154158	71.06686843	-0.237140949	0.505711053	0.215207
sapF	gi 49175990 ref NC_000913.2	-	1349852	1350658	312.085652	335.3111665	243.0158863	262.2761363	251.2862093	0.347598318	0.992197415	0.4877932
sapD	gi 49175990 ref NC_000913.2	-	1350660	1351652	559.267332	522.3610694	519.6137055	503.2974953	417.5737484	0.187417219	0.371090479	0.1454249
sapC	gi 49175990 ref NC_000913.2	-	1351652	1352542	260.6591671	253.5836784	287.2829499	266.7690164	219.0470123	0.009068158	0	0
sapB	gi 49175990 ref NC_000913.2	-	1352529	1353494	333.782231	332.428075	274.4600479	246.8004859	273.6450056	0.333418181	0.879066	0.4176149
sapA	gi 49175990 ref NC_000913.2	-	1353491	1355134	715.301102	635.3653552	680.0442046	549.6162083	629.2677744	0.148312946	0.249591788	0.0910032
ymiA	gi 49175990 ref NC_000913.2	-	1355447	1355692	206.8798985	210.8169408	163.2056325	241.9796686	255.4395486	-0.097350275	0.107416992	0.0428537
puuP	gi 49175990 ref NC_000913.2	-	1355826	1357211	88.36479889	86.42081586	68.3632269	78.55457819	98.39257544	0.088266024	0.142616856	0.0287363
puuA	gi 49175990 ref NC_000913.2	-	1357514	1358932	191.947383	182.3385607	137.0686172	139.1522839	170.239751	0.331927034	0.792852832	0.3644962
puuD	gi 49175990 ref NC_000913.2	+	1359144	1359908	235.9947503	233.6451849	176.2380903	154.8774516	173.8152611	0.485154252	1.455896508	0.7962891
puuR	gi 49175990 ref NC_000913.2	+	1359935	1360492	123.9670499	138.711948	97.99634953	89.76841404	93.12218089	0.476878085	1.459276495	0.7977751
puuC	gi 49175990 ref NC_000913.2	+	1360767	1362254	20.30269746	18.02173311	36.39733818	19.35297749	29.14118961	-0.531126573	0.806888305	0.418141
puuB	gi 49175990 ref NC_000913.2	+	1362256	1363536	12.9972439	7.539204589	14.87448603	15.76814651	21.15959884	-0.703043962	1.042874637	0.5210963
puuE	gi 49175990 ref NC_000913.2	+	1363574	1364839	58.63314237	43.60465769	59.64955236	56.12095393	59.43652841	-0.156678206	0.303173739	0.1166828
pspF	gi 49175990 ref NC_000913.2	-	1364959	1365936	182.5993162	206.1555605	253.3836365	238.9124568	261.2912373	-0.385161177	0.959937173	0.4669512
pspA	gi 49175990 ref NC_000913.2	+	1366103	1366771	620.2650653	616.4207241	404.9521589	647.711624	648.0496138	0.104632281	0.22544996	0.0787822
pspB	gi 49175990 ref NC_000913.2	+	1366825	1367049	94.21526776	110.2316332	75.40786911	95.40205657	131.8360234	-0.017532617	0.024820625	0.0005477
pspC	gi 49175990 ref NC_000913.2	+	1367049	1367408	138.6194459	147.2403264	130.3645269	146.7841362	141.325149	0.023032332	0.050066738	0.0082424
pspD	gi 49175990 ref NC_000913.2	+	1367417	1367638	50.4031741	69.43253595	79.68083458	45.18981304	56.18886481	-0.027596425	0	0
pspE	gi 49175990 ref NC_000913.2	+	1367713	1368027	530.8057808	610.7900924	1438.230756	1437.331634	1463.845288	-1.361582411	8.539959154	6.869564
ycjM	gi 49175990 ref NC_000913.2	+	1368240	1369919	79.34857533	83.59697773	87.96344161	155.6590582	178.9750021	-0.821605324	2.276648162	1.4155241
ycjN	gi 49175990 ref NC_000913.2	+	1369933	1371225	43.91918821	35.08228597	85.62040265	88.78738145	129.6404412	-1.342811699	5.958986076	4.5717881
ycjO	gi 49175990 ref NC_000913.2	+	1371246	1372127	22.566719462	25.66678117	69.1391525	31.87567802	55.99656077	-1.109039448	3.02514075	2.0321357
ycjP	gi 49175990 ref NC_000913.2	+	1372114	1372956	11.87210994	23.85801836	53.68441321	37.19323554	41.58207858	-1.353621425	3.998588488	2.8495719
ycjQ	gi 49175990 ref NC_000913.2	+	1372987	1374039	28.15511493	20.83356373	65.33115722	36.24330004	51.59121011	-1.008829641	3.114183442	2.1094502
ycjR	gi 49175990 ref NC_000913.2	+	1374058	1374846	24.09939418	33.31151326	59.32755592	50.53290046	50.55917898	-0.921043051	2.6893146	1.7633473
ycjS	gi 49175990 ref NC_000913.2	+	1374856	1375911	35.46388339	32.26681017	76.48215307	67.29565902	60.74116647	-0.988410372	3.572493571	2.5001067
ycjT	gi 49175990 ref NC_000913.2	+	1375908	1378175	82.2855351	73.09186933	153.4384929	151.2114282	114.7451599	-0.825287312	3.168155086	2.1526332
ycjU	gi 49175990 ref NC_000913.2	+	1378172	1378831	4.659787079	9.553297585	15.77075011	17.78823648	9.184959096	-1.045531196	1.307691729	0.6998487
ompG	gi 49175990 ref NC_000913.2	+	1379971	1380876	12.23660834	8.505577743	13.72857653	21.18279364	19.03996759	-0.766826716	1.174303321	0.6049913
ycjW	gi 49175990 ref NC_000913.2	-	1380987	1381985	110.0651952	124.4677316	89.99905607	129.8939245	135.4836906	-0.046525001	0.012485841	0
ycjX	gi 49175990 ref NC_000913.2	+	1382141	1383538	151.3443332	154.82409	190.1313209	155.9071933	137.1343029	-0.06312647	0.106675129	0.0284507
ycjY	gi 49175990 ref NC_000913.2	+	1383535	1384596	130.5179059	106.2991417	123.3324677	90.88534823	69.96716186	0.367780482	0.67365872	0.3015412
tyrR	gi 49175990 ref NC_000913.2	+	1384744	1386285	1729.615768	1695.400183	2346.53205	2179.520127	2028.270248	-0.342699301	0.876126945	0.4157395
tpx	gi 49175990 ref NC_000913.2	-	1386329	1386835	3596.730013	4244.785758	3549.223239	3381.564186	4087.339038	0.067572558	0.174317093	0.0547989
ycjG	gi 49175990 ref NC_000913.2	+	1386954	1387919	512.4341521	498.6344819	745.1648202	685.0471129	641.7985896	-0.44017872	1.391800155	0.7554754
mpaA	gi 49175990 ref NC_000913.2	-	1387894	1388622	329.5187839	380.9355114	349.5626395	394.6368405	430.5391084	-0.168571407	0.266685114	0.0981516
ycjZ	gi 49175990 ref NC_000913.2	+	1388957	1389877	59.05335147	86.55727465	39.78167629	72.65164217	74.87835418	0.151998823	0.341977499	0.1341942
ycjZ	gi 49175990 ref NC_000913.2	+	1390015	1390914	178.1944718	200.4550058	141.5295304	197.0428586	176.073607	0.114205327	0.258231552	0.0943277
mppA	gi 49175990 ref NC_000913.2	+	1391251	1392864	31.28145737	36.12319137	32.62548672	1313.779075	31.58243662	-3.851274463	3.915517486	2.7841696
ynal	gi 49175990 ref NC_000913.2	-	1392915	1393946	102.2034346	129.259575	82.58421023	199.6692236	107.9993415	-0.224162258	0.232407436	0.082297
insH	gi 49175990 ref NC_000913.2	+	1394100	1395116	876.0695292	973.6029968	835.1235365	980.875491	961.2487156	-0.023993314	0.000289976	0
ynaJ	gi 49175990 ref NC_000913.2	+	1395389	1395646	872.0242159	1046.775632	792.360071	763.6890746	936.364615	0.177910205	0.464483637	0.194418
uspE	gi 49175990 ref NC_000913.2	-	1395696	1396646	3043.065485	3243.633952	6485.049929	7303.962041	5661.694427	-1.053721882	4.853234366	3.5974284
fnr	gi 49175990 ref NC_000913.2	-	1396798	1397550	3272.775757	3463.036907	2403.298932	2709.763575	2837.829959	0.330272992	0.942893577	0.458135
ogt	gi 49175990 ref NC_000913.2	-	1397745	1398260	276.2003451	354.3869734	194.6481431	209.884396	303.3982718	0.370775019	1.068708478	0.536162
abgT	gi 49175990 ref NC_000913.2	-	1398271	1399797	77.09767911	94.09706778	72.11555307	80.73558083	89.57588584	0.051831294	0.116698093	0.0329224
abgB	gi 49175990 ref NC_000913.2	-	1399834	1401279	59.95354191	58.87842629	57.44373732	67.19764792	66.13557917	-0.101094238	0.131918216	0.0394194
abgA	gi 49175990 ref NC_000913.2	-	1401279	1402589	23.40842897	21.82795884	41.27507579	18.27530111	26.98833456	-0.317846677	0.446340381	0.1840474
abgR	gi 49175990 ref NC_000913.2	+	1402765	1403673	119.7764108	123.4828145	213.5649883	196.346394	223.1195096	-0.797002834	3.07387513	2.0746209
smrA	gi 49175990 ref NC_000913.2	+	1404003	1404566	397.0642409	374.1951471	324.570657	277.0774387	292.8193399	0.385950672	1.062138251	0.5314051
ydaM	gi 49175990 ref NC_000913.2	-	1404587	1405819	228.3718835	229.8529304	184.7626965	213.9764798	191.877055	0.213617333	0.471296161	0.1982416

ydaN	gi 49175990 ref NC_000913.2	+	1406074	1407057	727.9821931	635.3573665	867.1641815	683.8548643	453.8622288	0.070505437	0.044492868	0.0062873
dbpA	gi 49175990 ref NC_000913.2	+	1407535	1408908	451.220969	439.7469555	408.3371409	357.8140395	394.8164764	0.210886186	0.46568785	0.1952808
ttcA	gi 49175990 ref NC_000913.2	-	1409037	1409972	363.3635715	370.4309606	354.5131472	425.7223476	332.2623787	-0.021252477	0.016665794	0
intrR	gi 49175990 ref NC_000913.2	-	1410024	1411259	158.5912771	181.4649264	130.4258075	230.664704	239.6653677	-0.278735235	0.410595894	0.1674779
ydaC	gi 49175990 ref NC_000913.2	-	1411555	1411764	3.062602778	3.803929377	7.933151191	5.69942231	8.912446281	-1.11236067	1.098011548	0.5577652
recT	gi 49175990 ref NC_000913.2	-	1412008	1412817	34.60161504	36.09881665	27.09681119	30.38614525	43.43417287	0.056712081	0.07744811	0.0190529
recE	gi 49175990 ref NC_000913.2	-	1412810	1415410	71.40542892	67.41376138	48.44041216	53.94749611	74.77966876	0.228790314	0.395071507	0.1575167
racC	gi 49175990 ref NC_000913.2	-	1415512	1415787	7.535887652	7.594538163	7.97775704	5.715187373	9.998588005	-0.0553319	0.005794796	0
sieB	gi 49175990 ref NC_000913.2	+	1416695	1417183	19.22888069	14.19702408	13.93342334	22.37083779	25.61576611	-0.290600961	0.353631543	0.1402652
ydaF	gi 49175990 ref NC_000913.2	-	1417180	1417335	21.0413198	8.434141849	8.257955166	10.12329676	13.34015163	0.542541145	0.530277983	0.2274315
ydaG	gi 49175990 ref NC_000913.2	-	1417346	1417480	32.76167413	21.75921463	15.64919394	37.79522565	31.3203765	-0.036271299	0.045181996	0.0067435
racR	gi 49175990 ref NC_000913.2	-	1417789	1418265	608.1627297	624.9845692	364.4256244	654.6030471	815.8553846	-0.022728938	0.019039909	0
ydaS	gi 49175990 ref NC_000913.2	+	1418389	1418685	14.10682365	14.136267247	12.48164161	14.70135542	25.47103168	0.205965699	0.300187192	0.11561
ydaT	gi 49175990 ref NC_000913.2	+	1418708	1419130	17.48371054	19.96425704	11.95442921	15.53144619	8.022612008	0.64753878	0.957560995	0.4664401
ydaU	gi 49175990 ref NC_000913.2	+	1419143	1420000	27.58419897	30.41121409	21.98516215	20.51128818	49.8091897	-0.111516874	0.057841786	0.0110921
ydaV	gi 49175990 ref NC_000913.2	+	1420007	1420753	7.108038389	13.36378017	9.244884789	11.1008703	5.749144219	0.18307008	0.193250055	0.062911
rzoR	gi 49175990 ref NC_000913.2	+	1421424	1421609	16.52837985	14.22078524	15.96984468	16.8005523	15.73239507	-0.055683967	0.003016052	0
trkG	gi 49175990 ref NC_000913.2	+	1421806	1423263	196.2334348	240.384799	116.5127052	156.8837024	175.7913666	0.500850977	1.602663887	0.899623
ynaK	gi 49175990 ref NC_000913.2	+	1423401	1423664	9.75705043	5.650749758	6.834797762	5.730090759	12.1485906	-0.055364444	0.048989498	0.0081378
insH	gi 49175990 ref NC_000913.2	-	1425770	1426750	131.2000878	132.0219531	150.196925	151.4434931	172.5815351	-0.268103616	0.583080996	0.2562416
stfR	gi 49175990 ref NC_000913.2	+	1427073	1430435	75.82213476	93.14931035	71.09733744	92.95219678	96.30159851	-0.075566595	0.039374697	0.0043015
tfaR	gi 49175990 ref NC_000913.2	+	1430435	1431010	23.91514209	37.14055348	24.29093699	33.47628415	28.07442079	0.039423607	0.086305758	0.0221491
pinR	gi 49175990 ref NC_000913.2	-	1431108	1431698	98.44331124	123.5569102	86.44953814	184.2154504	120.1790973	-0.283205635	0.366356419	0.145076
ynaE	gi 49175990 ref NC_000913.2	-	1432015	1432248	122.1992388	164.4318266	47.45225864	211.4057833	83.47236845	0.248182418	0.432430919	0.1770091
uspF	gi 49175990 ref NC_000913.2	-	1433209	1433643	852.5788225	988.8204411	1885.454396	2053.800405	1859.932727	-1.093138262	5.31752536	4.015107
ompN	gi 49175990 ref NC_000913.2	-	1433784	1434917	29.58358182	30.39561924	19.16516226	21.45248033	35.52407334	0.224605239	0.306549362	0.1187321
ydbK	gi 49175990 ref NC_000913.2	-	1435284	1438808	1991.596491	1890.096122	2335.211654	2054.971619	1531.67639	-0.002621099	0.031447331	0.0026877
ydbJ	gi 49175990 ref NC_000913.2	+	1439082	1439386	535.2253868	422.5570965	1242.006317	846.595957	598.5969434	-0.840745306	3.184432281	2.1650512
hsiJ	gi 49175990 ref NC_000913.2	-	1439345	1439767	496.4280047	517.66241	530.3481243	517.8970266	450.0387482	0.020711991	0.038277778	0.0042561
ldhA	gi 49175990 ref NC_000913.2	-	1439878	1440867	710.2335837	634.4181053	438.5650253	389.0915817	364.7480618	0.781882898	3.40863289	2.3598199
ydbH	gi 49175990 ref NC_000913.2	+	1441075	1443714	453.1033224	536.7177018	448.460889	440.6578122	456.5170315	0.118096758	0.299460961	0.1152438
ydbE	gi 49175990 ref NC_000913.2	+	1443711	1443896	44.99937039	39.85576684	41.65734031	61.3363607	43.89238327	-0.201205281	0.331837297	0.1303325
ydbL	gi 49175990 ref NC_000913.2	+	1443904	1444230	57.29615697	59.84711232	28.46697086	114.3492462	56.32495937	-0.223522514	0.184157239	0.059254
feaR	gi 49175990 ref NC_000913.2	-	1444402	1445307	51.76885857	50.32750684	52.35966079	68.26203584	66.10503657	-0.291592499	0.542292767	0.2332111
feaB	gi 49175990 ref NC_000913.2	+	1445543	1447042	127.1917087	138.7019529	176.6845384	146.8536359	111.4702643	-0.12078975	0.194430399	0.0635151
tynA	gi 49175990 ref NC_000913.2	-	1447100	1449373	75.38613102	85.52204856	90.06480311	75.32916832	94.09071692	-0.116429263	0.149298666	0.0453478
paaZ	gi 49175990 ref NC_000913.2	-	1449621	1451666	14.71644237	11.36029483	16.67854742	12.32289871	6.94242922	0.165094772	0.063075358	0.0135708
paaA	gi 49175990 ref NC_000913.2	+	1451951	1452880	15.47123375	10.394338	17.59224493	14.80346446	29.923133	-0.650851602	1.030754084	0.5157637
paaB	gi 49175990 ref NC_000913.2	+	1452892	1453179	12.67556627	3.709363676	6.911683419	6.836786347	13.25677379	-0.055421133	0.067235449	0.0160372
paaC	gi 49175990 ref NC_000913.2	+	1453188	1453934	14.5694906	13.28016869	15.68519873	8.071313536	16.68776901	0.065505393	0.027194584	0.0014853
paaD	gi 49175990 ref NC_000913.2	+	1453949	1454446	15.17583578	14.23350505	20.13620866	8.007277749	6.930779849	0.36865036	0.347009581	0.1372877
paaE	gi 49175990 ref NC_000913.2	+	1454454	1455524	15.39426653	11.35407497	23.06852263	13.55809637	11.40445813	-0.206664127	0.203349666	0.0682219
paaF	gi 49175990 ref NC_000913.2	+	1455521	1456288	11.65777955	16.18862717	14.80502102	21.1141008	13.58920121	-0.276634921	0.183694143	0.0590752
paaG	gi 49175990 ref NC_000913.2	+	1456288	1457076	12.23360834	8.505577743	15.30188193	12.24979423	3.628700114	0.050424593	0	0
paaH	gi 49175990 ref NC_000913.2	+	1457078	1458505	28.28354677	18.91758129	19.87248912	23.38841157	14.76506987	0.327800427	0.389437041	0.1548204
paal	gi 49175990 ref NC_000913.2	+	1458495	1458917	6.700927531	9.526263889	11.48764295	7.860957293	4.641260535	0.014192765	0	0
paaJ	gi 49175990 ref NC_000913.2	+	1458917	1460122	88.10603801	74.02286781	80.09441896	108.4146112	80.93561758	-0.133526244	0.233615375	0.0827918
paaK	gi 49175990 ref NC_000913.2	+	1460149	1461462	91.97178874	74.96224434	73.62246239	107.2427025	78.67803325	-0.036530059	0.05559497	0.0102387
paaX	gi 49175990 ref NC_000913.2	+	1461563	1462513	365.4026411	356.1637804	414.2170733	379.894053	256.3054875	0.060445791	0.069330486	0.0166826
paaY	gi 49175990 ref NC_000913.2	+	1462495	1463085	404.3706291	413.1735986	437.3871286	429.2813673	350.2783673	0.014027369	0.020107755	0
insD	gi 49175990 ref NC_000913.2	-	1465945	1466850	1284.139199	1254.686071	1203.196061	1176.080772	1134.155356	0.121704685	0.236433479	0.0840982
insC	gi 49175990 ref NC_000913.2	-	1466808	1467173	764.3817269	850.127563	870.1744705	838.6424286	825.6575521	-0.078434709	0.115789404	0.0327284
insI	gi 49175990 ref NC_000913.2	+	1467382	1468533	130.2261684	148.2173636	111.1226828	177.7622278	131.3691644	-0.040010052	0.00465942	0
ydbC	gi 49175990 ref NC_000913.2	+	1472245	1473105	142.5958665	112.9364191	243.5592438	154.9906305	142.8560971	-0.443257191	1.190904803	0.6164224
ydbD	gi 49175990 ref NC_000913.2	+	1473168	1475474	71.47352383	65.5048011	45.71898897	54.94536804	63.72382633	0.321982929	0.659787914	0.2968642
ynbA	gi 49175990 ref NC_000913.2	+	1475645	1476250	8.746698016	9.501862719	6.794717315	8.927358988	7.8632009	0.204673916	0.081269191	0.0204431
ynbB	gi 49175990 ref NC_000913.2	+	1476250	1477146	3.66664755	4.758042497	6.667223251	7.802288746	5.669046205	-0.671666577	0.485249254	0.2045293

ynbC	gi 49175990 ref NC_000913.2	+	1477162	1478919	67.502315	50.24891267	57.73769777	70.62379223	80.53709843	-0.218548914	0.418114796	0.1710597
ynbD	gi 49175990 ref NC_000913.2	+	1478933	1480225	50.18032022	41.73753882	73.76161689	59.54188224	60.6705544	-0.461419103	1.155126297	0.5917071
azor	gi 49175990 ref NC_000913.2	-	1480279	1480884	214.5630152	210.8466304	143.216346	135.7297274	142.4439265	0.60233039	2.037480306	1.2262165
hrpA	gi 49175990 ref NC_000913.2	+	1481085	1484987	1660.319769	1575.708527	1758.060646	1478.800269	1201.806036	0.151194216	0.239241828	0.0858143
ycdF	gi 49175990 ref NC_000913.2	+	1485259	1486059	265.6170401	265.9435725	263.8135736	241.1519283	254.6317355	0.073039389	0.124032502	0.0368896
aldA	gi 49175990 ref NC_000913.2	+	1486256	1487695	712.6328247	660.0795355	691.4660349	635.5059152	429.0743824	0.254246176	0.491827994	0.2084543
cybB	gi 49175990 ref NC_000913.2	+	1488926	1489456	577.368707	571.7779647	483.6839829	579.5369543	596.5977724	0.046428233	0.100067834	0.0264593
ycdA	gi 49175990 ref NC_000913.2	+	1489701	1489874	257.5815712	299.2522997	425.2450399	347.7537908	373.5950259	-0.468925992	1.357325883	0.7355514
hokB	gi 49175990 ref NC_000913.2	-	1489946	1490095	532.6950542	613.6400661	591.6381483	486.9343642	664.8710679	-0.038494141	0.025873093	0.000968
mokB	gi 49175990 ref NC_000913.2	-	1489986	1490153	581.2418498	677.2832054	646.1440589	546.3420906	746.729565	-0.060419416	0.058695698	0.0110921
trg	gi 49175990 ref NC_000913.2	+	1490494	1492134	481.1992473	514.8247816	1548.386736	1739.767324	1412.497578	-1.663824118	12.1655972	10.218441
ycdI	gi 49175990 ref NC_000913.2	-	1492172	1493095	410.8327257	400.8052243	442.4511953	579.2667	466.7808402	-0.294587503	0.706229744	0.316685
ycdJ	gi 49175990 ref NC_000913.2	+	1493312	1494655	410.4593063	370.3766981	664.9727343	820.2733996	599.3173035	-0.820588621	3.427640758	2.3716094
opgD	gi 49175990 ref NC_000913.2	+	1494880	1496535	814.5750655	818.7358996	837.2085929	733.5174893	948.6972401	-0.041200926	0.06437772	0.0144896
ycdH	gi 49175990 ref NC_000913.2	+	1496675	1496899	82.42979904	115.0454776	173.797243	274.319411	248.8920231	-1.293756768	5.365640742	4.0567563
rimL	gi 49175990 ref NC_000913.2	+	1496962	1497501	177.8973037	221.3941821	94.64859829	186.8174382	176.9461794	0.299312232	0.819710324	0.3794703
ycdK	gi 49175990 ref NC_000913.2	-	1497493	1498473	168.148149	150.0208663	113.6659406	168.9001942	134.6785935	0.196037345	0.368651825	0.1454051
tehA	gi 49175990 ref NC_000913.2	+	1498597	1499589	219.2309311	198.4651743	261.3903998	319.0684015	203.4801632	-0.309819655	0.719842491	0.3221157
tehB	gi 49175990 ref NC_000913.2	+	1499586	1500179	229.4389607	246.0269005	194.0665664	384.9290478	277.1411198	-0.296387467	0.494151362	0.2099578
ycdL	gi 49175990 ref NC_000913.2	+	1500481	1501149	285.3035666	335.3511538	194.9226817	264.5046302	298.0143535	0.25867298	0.67703562	0.3033725
insQ	gi 49175990 ref NC_000913.2	+	1501741	1502889	938.0975746	985.9239538	1480.95464	2145.765836	2508.783593	-1.116369147	4.670024056	3.4385075
ycdO	gi 49175990 ref NC_000913.2	-	1502929	1504104	345.9071418	401.8338874	574.4998157	819.3438948	844.3738494	-1.034899162	4.423177138	3.2282361
ycdN	gi 49175990 ref NC_000913.2	+	1504196	1504732	187.3964534	186.1561064	174.9141234	160.4090578	166.0385268	0.164816262	0.311663419	0.1217048
ycdP	gi 49175990 ref NC_000913.2	+	1504805	1506766	640.3426596	640.528139	485.2391252	454.085752	430.878023	0.508300737	1.751433523	1.0194661
yncJ	gi 49175990 ref NC_000913.2	-	1506858	1507088	46.98526012	27.41618263	42.1743886	41.39921317	31.61446166	0.016447708	0.038194189	0.0042561
hicA	gi 49175990 ref NC_000913.2	+	1507310	1507486	103.0628457	73.0163451	54.52193931	110.515862	90.77241626	0.063414503	0.053148459	0.0090819
hicB	gi 49175990 ref NC_000913.2	+	1507532	1507948	68.14122892	67.42891	51.13834359	68.27965491	69.41012572	0.096732985	0.163100041	0.0517718
ycdR	gi 49175990 ref NC_000913.2	+	1508027	1509433	260.4967633	266.9033601	187.6054071	218.532078	217.534595	0.332782387	0.889273815	0.4245558
ycdS	gi 49175990 ref NC_000913.2	+	1509678	1510823	363.7577772	398.9583782	716.6976108	790.2842062	732.5446548	-0.984655635	4.769182426	3.5303359
ycdT	gi 49175990 ref NC_000913.2	+	1510841	1511854	184.7502411	236.6042135	380.2889819	383.2337692	285.3083755	-0.757208218	2.623793439	1.7058441
ycdU	gi 49175990 ref NC_000913.2	+	1511855	1512796	178.7409544	167.1355091	276.7990507	261.1733231	222.3585128	-0.535352904	1.708846901	0.987112
ycdV	gi 49175990 ref NC_000913.2	+	1512786	1513580	105.2482685	109.2377786	273.2326443	223.0649359	156.4610508	-1.005930095	3.873863127	2.7539072
prf	gi 49175990 ref NC_000913.2	+	1513602	1515026	324.3178814	322.9298629	878.6224189	631.2446362	411.3041798	-0.955253282	3.611767287	2.5333318
yncL	gi 49175990 ref NC_000913.2	-	1515123	1515218	729.8544399	770.3184458	526.9002839	687.351509	923.6258601	0.046493855	0.126221259	0.0373086
ycdX	gi 49175990 ref NC_000913.2	+	1515413	1515586	83.0672563	69.27254852	75.59305495	75.11481688	72.95537613	0.054090598	0.029038192	0.0017515
ycdY	gi 49175990 ref NC_000913.2	+	1515672	1515905	1620.215133	1699.231916	1430.566197	1237.036963	1868.254583	0.123570277	0.247918877	0.0904131
ycdZ	gi 49175990 ref NC_000913.2	-	1515906	1516355	211.6850332	233.6915352	246.0550581	205.2821218	198.7194122	0.036078744	0.060259697	0.0118829
yncA	gi 49175990 ref NC_000913.2	-	1516352	1516870	282.5687186	290.6504662	307.4059781	279.2237565	271.5737187	0.004543878	0.004007536	0
curA	gi 49175990 ref NC_000913.2	+	1517051	1518088	412.6940943	406.5084005	639.5235327	614.0217689	326.0851226	-0.343881362	0.789759215	0.3626778
mcbr	gi 49175990 ref NC_000913.2	+	1518286	1518951	152.3391905	171.0086876	76.99560523	134.1884867	123.219391	0.499808029	1.521982057	0.8425072
yncD	gi 49175990 ref NC_000913.2	-	1518987	1521089	309.8126097	307.7318073	109.5759507	145.551338	136.7780235	1.230321053	6.933197104	5.4170293
yncE	gi 49175990 ref NC_000913.2	+	1521331	1522392	806.7238568	732.2557272	199.6832352	192.0315304	291.0765366	1.761857285	13.50012104	11.367328
ansP	gi 49175990 ref NC_000913.2	-	1522505	1524004	145.5723615	153.8873153	132.192795	102.282504	124.4491758	0.323721938	0.786010272	0.3615546
yncG	gi 49175990 ref NC_000913.2	+	1524271	1524888	98.87139745	134.0355675	121.0750129	97.57955332	79.97048112	0.202009097	0.423651038	0.1736222
ycdC	gi 49175990 ref NC_000913.2	+	1527946	1528428	4.801834285	7.628370029	4.001776424	2.328580122	5.530684859	0.609906468	0.474748837	0.1994892
ycdC	gi 49175990 ref NC_000913.2	+	1529840	1530976	17.54565738	19.00512908	8.612965907	15.67292277	19.97297893	0.279373919	0.317246563	0.1239013
pptA	gi 49175990 ref NC_000913.2	+	1531076	1531309	106.0407447	103.5163821	90.63258166	101.9901894	105.3509746	0.074654635	0.128125627	0.0373086
yddH	gi 49175990 ref NC_000913.2	-	1531306	1531875	56.09438107	56.98910294	72.93276365	81.6411786	60.8093821	-0.344126009	0.732412995	0.3287846
nhoA	gi 49175990 ref NC_000913.2	+	1532048	1532893	77.17393333	53.07246681	72.46148742	65.0075954	54.06769886	0.080545934	0.020912598	0
yddE	gi 49175990 ref NC_000913.2	-	1532989	1533882	332.8606456	362.8624583	350.0651462	364.2107769	297.5141665	0.035596922	0.077395323	0.0190529
narV	gi 49175990 ref NC_000913.2	-	1533961	1534641	63.22716105	58.86198442	119.6636476	80.99417975	89.8647981	-0.640172846	1.947501493	1.1616638
narW	gi 49175990 ref NC_000913.2	-	1534638	1535333	56.94237712	37.88045045	82.89561588	76.1279909	53.08752026	-0.5196678	1.319061255	0.7091468
narY	gi 49175990 ref NC_000913.2	-	1535333	1536877	86.93628332	70.21151013	186.754996	109.1582511	128.0548628	-0.797708712	2.781921723	1.8357082
narZ	gi 49175990 ref NC_000913.2	-	1536874	1540614	281.3451864	285.8960838	480.4468904	309.9118984	412.743698	-0.486766047	1.44734345	0.7892521
narU	gi 49175990 ref NC_000913.2	-	1540696	1542084	111.6229281	113.0279554	126.9422038	81.22544987	139.8516623	-0.041291902	0.051733856	0.0088785
yddJ	gi 49175990 ref NC_000913.2	-	1542408	1542743	2.227109468	5.740917675	1.541191438	5.48016817	2.296504757	0.258666374	0.137391794	0.0414936
yddG	gi 49175990 ref NC_000913.2	-	1544312	1545193	202.5655217	246.0803841	233.9452014	191.8071984	175.2411332	0.149022104	0.309287795	0.1198242

fdnG	gi 49175990 ref NC_000913.2	+	1545425	1548472	4817.857513	4570.46439	4023.519787	888.2162682	6347.258162	0.336199283	0.369328844	0.1454051
fdnH	gi 49175990 ref NC_000913.2	+	1548485	1549369	1119.934166	952.5816061	1929.907882	486.6721971	1498.296498	-0.272219955	0.472452412	0.1985574
fdnI	gi 49175990 ref NC_000913.2	+	1549362	1550015	844.1571561	867.1865904	1488.963991	497.7608	1307.501253	-0.335908936	0.605186765	0.2677516
yddM	gi 49175990 ref NC_000913.2	-	1550422	1550706	274.2000387	297.3223249	272.9529264	282.3198844	211.2396032	0.155424731	0.317757562	0.1239842
adhP	gi 49175990 ref NC_000913.2	-	1550852	1551862	554.7618696	531.8710609	414.0851134	479.5644184	374.9103057	0.365975358	1.040077281	0.5204761
maeA	gi 49175990 ref NC_000913.2	-	1551996	1553693	3979.408947	3617.782906	2601.838693	2753.446272	2585.661175	0.533494148	1.80038583	1.0531989
sra	gi 49175990 ref NC_000913.2	-	1553850	1553987	421.7860051	4665.520436	3786.028781	6198.760616	8175.461091	-0.49026786	0.973666962	0.4750151
bdm	gi 49175990 ref NC_000913.2	-	1554089	1554304	172.1511215	219.5046052	148.6320097	159.0849796	139.2260747	0.361666244	1.021885374	0.5109224
osmC	gi 49175990 ref NC_000913.2	+	1554649	1555080	2264.611343	2733.645985	3966.424438	3815.174579	3244.334784	-0.577586938	1.807061008	1.057093
ddpF	gi 49175990 ref NC_000913.2	-	1555136	1556062	238.3303773	250.7678943	296.096247	327.2498926	299.568229	-0.340498375	0.84250815	0.3956627
ddpD	gi 49175990 ref NC_000913.2	-	1556055	1557041	36.89091127	43.73188743	57.75367553	43.86168647	44.9783173	-0.283667535	0.46749777	0.1960399
ddpC	gi 49175990 ref NC_000913.2	-	1557038	1557934	59.30163408	77.97028318	107.0596822	88.7316046	97.60280777	-0.536140531	1.367778379	0.741039
ddpB	gi 49175990 ref NC_000913.2	-	1557931	1558953	39.06467117	55.1834222	42.6695487	48.13908839	44.88980739	0.01731304	0.055724939	0.0102387
ddpA	gi 49175990 ref NC_000913.2	-	1558955	1560505	41.59540414	58.03151305	41.59130168	50.39466314	51.51199351	0.013212774	0.067154696	0.0160372
ddpX	gi 49175990 ref NC_000913.2	-	1560519	1561100	15.17583578	14.23350505	22.77147056	26.84252655	24.69215487	-0.744107192	1.428357471	0.7765289
dosP	gi 49175990 ref NC_000913.2	-	1561358	1563757	128.5804142	133.9349488	89.60825015	146.1994804	82.26741561	0.292040912	0.618460188	0.2752477
dosC	gi 49175990 ref NC_000913.2	-	1563782	1565164	109.4289875	97.78577338	90.3980712	112.8962438	77.68422866	0.157529526	0.264301077	0.0969652
yddW	gi 49175990 ref NC_000913.2	-	1565528	1566847	168.194016	183.3447855	153.591172	119.1583648	159.0968349	0.281499726	0.636013824	0.284622
gadC	gi 49175990 ref NC_000913.2	-	1566978	1568513	116.033085	117.7779719	140.9152178	109.9627262	95.64789821	0.030828207	0.020052352	0
gadB	gi 49175990 ref NC_000913.2	-	1568669	1570069	151.6266593	140.5381752	148.4294277	152.3625061	128.0765001	0.044014139	0.04345085	0.0060195
pqqL	gi 49175990 ref NC_000913.2	-	1570431	1573226	112.4461255	133.9866839	102.4264725	102.1294986	119.8458435	0.16247985	0.366681117	0.145076
yddB	gi 49175990 ref NC_000913.2	-	1573271	1575643	66.4976109	58.8462781	64.20494097	57.50483702	98.17988434	-0.218903709	0.356126056	0.1411458
yddA	gi 49175990 ref NC_000913.2	-	1575681	1577366	12.94714133	17.13379788	14.49774944	6.985700098	18.82773135	0.140948045	0.126386028	0.0373086
ydeM	gi 49175990 ref NC_000913.2	-	1577657	1578814	21.78194726	16.09279824	14.01375346	20.2535869	31.05107438	-0.19063447	0.171072211	0.0538242
ydeN	gi 49175990 ref NC_000913.2	-	1578866	1580548	92.85091369	113.0961884	127.2527713	246.8391825	130.5442609	-0.749657077	1.8137319	1.0599419
ydeP	gi 49175990 ref NC_000913.2	-	1582231	1584510	74.40736172	75.03357255	103.4539661	83.27671462	119.7345196	-0.450279642	1.146897794	0.5877497
ydeQ	gi 49175990 ref NC_000913.2	-	1584844	1585758	9.394846328	20.05276105	21.86101636	24.81444284	39.99653826	-1.050891792	1.878663052	1.1101081
ydeR	gi 49175990 ref NC_000913.2	-	1585817	1586320	18.34835256	17.08051097	35.20909803	33.93699615	65.58558613	-1.342195036	3.734704832	2.6353354
ydeS	gi 49175990 ref NC_000913.2	-	1586333	1586863	13.88887478	23.83509824	41.8827168	37.38427385	80.04891452	-1.553482338	4.369534177	3.1812237
hipA	gi 49175990 ref NC_000913.2	-	1588878	1590200	122.5263228	146.3364372	106.2219637	128.5952116	87.81138976	0.298060833	0.743334099	0.3361804
hipB	gi 49175990 ref NC_000913.2	-	1590200	1590466	42.80954591	60.88835267	65.32004215	65.14685685	80.55210855	-0.483769436	0.95507222	0.4657317
lsrK	gi 49175990 ref NC_000913.2	-	1596641	1598233	155.3887148	155.2904831	147.285319	140.2381528	153.6038075	0.041162984	0.050495441	0.0085479
lsrR	gi 49175990 ref NC_000913.2	-	1598312	1599265	114.4744107	102.5352085	162.9628772	148.0867848	154.8144931	-0.499111254	1.581553587	0.885453
lsrA	gi 49175990 ref NC_000913.2	+	1599514	1601049	36.02616109	34.1760265	40.6850227	56.02623762	65.89460998	-0.634399786	1.499349588	0.8249424
lsrC	gi 49175990 ref NC_000913.2	+	1601043	1602071	25.79517709	26.59664339	34.2212702	36.8034521	21.611094	-0.232109546	0.290779073	0.1117456
lsrD	gi 49175990 ref NC_000913.2	+	1602071	1603063	34.08522743	33.23295545	29.78961834	46.79680032	34.85668262	-0.149738417	0.166983308	0.0526132
lsrB	gi 49175990 ref NC_000913.2	+	1603075	1604097	38.1716718	44.67883647	49.45120999	69.14558412	45.10966937	-0.419218796	0.771147237	0.3512842
lsrF	gi 49175990 ref NC_000913.2	+	1604124	1604999	26.08712384	21.80659298	33.59998637	53.37002573	29.4443674	-0.68321458	1.430546709	0.7777605
lsrG	gi 49175990 ref NC_000913.2	+	1605023	1605313	15.78301811	15.18674821	29.83676861	43.56425573	40.32263645	-1.293085852	3.858044813	2.742285
tam	gi 49175990 ref NC_000913.2	+	1605370	1606128	324.7785405	340.9998316	336.4963274	304.9842973	283.9727726	0.109953175	0.208783477	0.0708938
yneE	gi 49175990 ref NC_000913.2	-	1606132	1607046	292.4370725	264.9507883	194.9051508	261.1590186	298.0032619	0.146043777	0.282213446	0.1071941
uxaB	gi 49175990 ref NC_000913.2	-	1607253	1608704	329.9404824	334.3353567	631.8104372	518.0582426	463.5829851	-0.683605118	2.618438109	1.7013706
yneF	gi 49175990 ref NC_000913.2	-	1608931	1609878	355.9489908	345.7143019	527.8752335	527.9985672	479.1288966	-0.537769189	1.866312274	1.1002533
yneG	gi 49175990 ref NC_000913.2	-	1609990	1610349	595.8316764	678.2220091	695.9700961	777.0149396	912.7603812	-0.347852332	0.832704199	0.3886274
yneH	gi 49175990 ref NC_000913.2	-	1610349	1611275	606.6606289	555.5954155	505.3372291	445.3045048	522.5956668	0.257483904	0.583988797	0.256923
sad	gi 49175990 ref NC_000913.2	-	1611339	1612727	167.0961386	138.5954953	133.4203964	128.7855362	93.47241684	0.399169093	0.903611041	0.4348327
yneJ	gi 49175990 ref NC_000913.2	+	1612828	1613709	114.9489346	109.2050868	87.95166095	92.01066446	107.4903809	0.227347011	0.471037069	0.1981824
yneK	gi 49175990 ref NC_000913.2	+	1613787	1614902	10.18876568	8.525937031	10.76350622	8.017405397	16.60637079	-0.316166441	0.300153259	0.11561
ydeA	gi 49175990 ref NC_000913.2	+	1615052	1616242	205.6692828	206.1057746	195.6403257	157.1264916	161.6473396	0.273755933	0.59983168	0.2663791
marC	gi 49175990 ref NC_000913.2	-	1616267	1616932	428.236349	453.0816511	442.9699762	422.7155361	422.9369715	0.031432375	0.062884962	0.0135708
marR	gi 49175990 ref NC_000913.2	+	1617144	1617578	198.4985935	214.6861649	105.1451336	134.8507376	243.517725	0.322851146	0.694753622	0.3103556
marA	gi 49175990 ref NC_000913.2	+	1617598	1617981	246.6754478	247.8987343	97.1167476	144.6708376	198.9913272	0.726281596	2.381770906	1.5050538
marB	gi 49175990 ref NC_000913.2	+	1618013	1618231	192.3886861	194.7121167	123.8953276	114.6640104	174.4916424	0.482716249	1.328710893	0.7163989
eamA	gi 49175990 ref NC_000913.2	-	1618262	1619161	271.3295678	268.7884093	267.3116649	242.1307859	201.0973835	0.200070974	0.392207504	0.1564777
ydeE	gi 49175990 ref NC_000913.2	+	1619356	1620543	175.8500927	186.1823215	135.7485778	143.5683481	163.5793935	0.281004928	0.674182894	0.3018122
yneM	gi 49175990 ref NC_000913.2	+	1620670	1620765	3600.53898	4221.037165	3397.128151	3530.67018	4541.456964	0.000940985	0.055598477	0.0102387
ydeH	gi 49175990 ref NC_000913.2	-	1620984	1621874	457.9827596	471.1152895	233.9634747	408.8642894	406.847235	0.380332171	1.028173226	0.5144734

ydel	gi 49175990 ref NC_000913.2	-	1622129	1622521	99.56568957	103.53942	73.27693703	82.88981238	79.63358151	0.360425412	0.921775757	0.446994
ydeJ	gi 49175990 ref NC_000913.2	+	1622797	1623315	65.42953808	70.30498066	36.62161354	63.48691295	43.87096602	0.476387064	1.151222021	0.5893608
dcp	gi 49175990 ref NC_000913.2	-	1623359	1625404	788.299948	741.770446	715.7962429	675.9547698	545.5097638	0.261433679	0.59049583	0.2609321
ydfG	gi 49175990 ref NC_000913.2	+	1625541	1626287	2378.532346	2600.623732	2483.417211	2408.21396	2289.570228	0.046633092	0.099508046	0.0262976
ydfH	gi 49175990 ref NC_000913.2	+	1626376	1627062	1354.341409	1264.162577	1353.45119	1381.275841	1437.994677	-0.079476765	0.15638493	0.0487535
ydfZ	gi 49175990 ref NC_000913.2	+	1627239	1627442	371.9410398	410.3589071	198.0425378	161.899098	274.2170238	0.869396141	3.64512094	2.5641232
ydfI	gi 49175990 ref NC_000913.2	-	1627477	1628937	73.85023288	72.17380228	57.12731487	38.56177013	78.02121004	0.336261105	0.638645378	0.2852082
ydfK	gi 49175990 ref NC_000913.2	+	1631096	1631329	133.9486461	155.8250421	49.80058694	172.5046598	81.10617398	0.463109068	0.957428756	0.4664401
pinQ	gi 49175990 ref NC_000913.2	+	1631646	1632236	162.988722	121.5917213	62.99832627	185.0355554	103.4192946	-0.023161376	0.019834267	0
tfaQ	gi 49175990 ref NC_000913.2	-	1632334	1632909	30.14674937	32.30511695	20.30339788	26.82638788	25.75854691	0.346115997	0.584448804	0.2571565
stfQ	gi 49175990 ref NC_000913.2	-	1632909	1633871	16.2685269	29.55748253	15.15681734	18.05169062	28.8457321	0.073704766	0.14422972	0.0432419
ydfO	gi 49175990 ref NC_000913.2	+	1635071	1635481	9.890235048	12.36959227	4.36057525	12.0967599	5.701556471	0.548157874	0.662102236	0.2976012
gnsB	gi 49175990 ref NC_000913.2	-	1635633	1635806	198.4377775	177.5658277	29.42615748	273.8124155	108.0810558	0.41255448	0.513985742	0.2208801
ynfN	gi 49175990 ref NC_000913.2	-	1635978	1636133	59.18822919	81.78704267	15.32340659	107.3435122	41.83744975	0.273473389	0.413346434	0.1691072
cspI	gi 49175990 ref NC_000913.2	-	1636479	1636691	704.9745405	806.4494632	259.8041502	704.1026822	464.4643876	0.613029024	1.72847603	1.0022231
rzpQ	gi 49175990 ref NC_000913.2	-	1637054	1637551	54.74538166	57.95133836	42.85920785	59.13304056	42.78141391	0.210525041	0.378015949	0.1488553
rzoQ	gi 49175990 ref NC_000913.2	-	1637104	1637358	29.68439781	41.87389078	26.856106	35.70042174	28.12492049	0.200157063	0.350488411	0.1391697
rrrQ	gi 49175990 ref NC_000913.2	-	1637548	1638081	33.62917257	29.40931228	21.64237314	34.44758002	21.47717712	0.290921574	0.422117416	0.1729857
ydfR	gi 49175990 ref NC_000913.2	-	1638078	1638389	17.97882446	22.83457216	15.09793646	27.72113958	16.95310485	-0.00052582	0.009701419	0
essQ	gi 49175990 ref NC_000913.2	-	1638394	1638609	14.36381826	16.15980527	6.984590359	7.943075005	14.36531294	0.617133224	0.789607194	0.3626778
cspB	gi 49175990 ref NC_000913.2	-	1639363	1639578	6101.834299	7140.75786	2336.227545	4905.698062	5200.871324	0.618164578	1.830819821	1.072775
cspF	gi 49175990 ref NC_000913.2	+	1639879	1640091	854.3711767	1021.128546	393.5041347	742.9439019	769.0361548	0.507658741	1.616777736	0.9126592
quuQ	gi 49175990 ref NC_000913.2	-	1640513	1641265	66.05079447	71.25618959	84.73974957	84.03517568	74.17498728	-0.243333462	0.446987068	0.1843451
ydfU	gi 49175990 ref NC_000913.2	-	1641279	1642328	56.20807525	54.12367986	51.99428991	42.9096206	71.38986776	-0.005740254	0	0
rem	gi 49175990 ref NC_000913.2	-	1642675	1642926	32.38214301	40.8966495	40.66118741	34.7674905	29.34310954	0.05425221	0.058536336	0.0110921
hokD	gi 49175990 ref NC_000913.2	-	1643143	1643298	302.372314	351.4933308	264.7336385	280.4486769	363.0230284	0.080946003	0.202523963	0.0676994
relE	gi 49175990 ref NC_000913.2	-	1643370	1643657	252.4508485	245.985901	171.8982481	219.5607222	208.5690629	0.310797585	0.767580721	0.3491173
relB	gi 49175990 ref NC_000913.2	-	1643657	1643896	227.3761237	209.8706633	156.2315689	206.1749171	218.493244	0.172094405	0.339139711	0.1335511
ydfV	gi 49175990 ref NC_000913.2	+	1643921	1644226	55.40146963	57.94773682	43.11517544	45.04983386	70.21808105	0.086177563	0.13859142	0.0415146
fixA	gi 49175990 ref NC_000913.2	+	1644429	1644761	138.2550176	106.2779935	171.5028684	691.5170029	444.1793322	-1.844980517	6.067368238	4.6642797
dicC	gi 49175990 ref NC_000913.2	-	1645644	1645874	5.040489558	4.740808851	1.762701944	6.69566858	8.824624328	-0.257852759	0.033720827	0.0030156
dicA	gi 49175990 ref NC_000913.2	+	1645958	1646365	633.4432009	777.0383134	563.7922238	760.0104002	826.3768997	-0.06862101	0.03133529	0.0026877
ydfA	gi 49175990 ref NC_000913.2	+	1646532	1646687	21.51898876	19.92779635	16.34563432	23.43491043	21.28948325	0.024780712	0	0
ydfB	gi 49175990 ref NC_000913.2	+	1646689	1646817	31.63386936	29.42344075	29.24385028	19.27289082	30.27270196	0.054832001	0.026955418	0.0014853
ydfC	gi 49175990 ref NC_000913.2	+	1646847	1647065	62.22580077	68.41242294	64.30729525	72.94011495	89.4590686	-0.230310766	0.366479383	0.145076
rspB	gi 49175990 ref NC_000913.2	-	1650920	1651939	41.03650461	39.88024777	31.0023762	42.44052929	37.02391328	0.130529244	0.168708162	0.0531308
rspA	gi 49175990 ref NC_000913.2	-	1651951	1653165	48.02856287	45.57202975	55.64424819	53.8305276	52.76386476	-0.199476387	0.353272859	0.1402157
ynfA	gi 49175990 ref NC_000913.2	-	1653371	1653697	109.1539108	108.2712401	94.49723783	108.6261111	98.75495924	0.108783129	0.197937713	0.0651964
ynfB	gi 49175990 ref NC_000913.2	+	1653832	1654173	420.6201913	372.2677701	315.7119186	448.2531269	459.6429378	-0.040935553	0.057538861	0.0110921
speG	gi 49175990 ref NC_000913.2	+	1654208	1654768	582.7847788	624.053909	396.2262963	492.0620144	504.5990327	0.357428589	1.09626509	0.5563885
ynfC	gi 49175990 ref NC_000913.2	-	1654771	1655481	309.3163649	359.0913728	220.2520244	342.7181611	315.0581424	0.152552863	0.379217775	0.149598
ynfD	gi 49175990 ref NC_000913.2	+	1655589	1655894	740.1844001	729.4443836	1245.119678	1019.331481	1094.873111	-0.59689925	2.166019693	1.3280853
ynfE	gi 49175990 ref NC_000913.2	+	1656093	1658519	249.6712863	264.0676468	1165.693382	2568.480774	298.6411934	-2.405490518	5.969732125	4.57599258
ynfF	gi 49175990 ref NC_000913.2	+	1658580	1661003	331.337626	321.9693099	1150.645931	3210.659756	471.3335884	-2.320038886	6.171839527	4.7522568
ynfG	gi 49175990 ref NC_000913.2	+	1661014	1661631	68.96670796	62.65299969	254.9027292	679.4617193	116.7157175	-2.42008854	6.92819151	5.4170293
ynfH	gi 49175990 ref NC_000913.2	+	1661633	1662487	351.38458	357.1322116	661.8410353	1235.394771	550.3484047	-1.220042641	4.582191418	3.364974
dmsD	gi 49175990 ref NC_000913.2	+	1662530	1663144	230.9562519	227.945007	379.3217451	479.2014593	250.8009015	-0.684525518	2.092736322	1.2724026
clcB	gi 49175990 ref NC_000913.2	+	1663339	1664595	330.0535255	322.9221278	438.4721399	544.6483677	492.4493458	-0.596134162	2.069539003	1.2518049
ynfK	gi 49175990 ref NC_000913.2	-	1664548	1665243	1509.199978	1564.352961	2706.154642	2381.472513	2562.039517	-0.730840879	2.73680912	1.8011016
dgsA	gi 49175990 ref NC_000913.2	-	1665368	1666588	798.3698895	756.9709301	1364.829439	1207.61631	1277.675317	-0.710128292	2.942595059	1.9681644
ynfL	gi 49175990 ref NC_000913.2	-	1666723	1667616	75.79639507	94.10297389	88.17845939	60.83082313	76.26096074	0.162894049	0.298975335	0.1150997
ynfM	gi 49175990 ref NC_000913.2	+	1667723	1668976	489.458476	514.8169369	272.6722019	309.4522	348.6054849	0.678587026	2.824530158	1.8696785
asr	gi 49175990 ref NC_000913.2	+	1669400	1669708	45.2274542	49.41078142	48.79933044	72.76072575	79.37686439	-0.527184587	1.098362502	0.5577652
ydgU	gi 49175990 ref NC_000913.2	+	1669801	1669880	18.95658586	18.033598082	28.19580721	35.75643118	31.43237468	-0.7701839201	1.671496041	0.9582709
ydgD	gi 49175990 ref NC_000913.2	+	1669984	1670805	725.9474677	794.0806588	944.7703968	992.154085	952.3877394	-0.355815548	0.924761258	0.4496612
mdtI	gi 49175990 ref NC_000913.2	-	1670844	1671173	149.5806933	146.2578774	88.07111524	107.4925159	100.931882	0.577258677	1.947452363	1.1616638
mdtJ	gi 49175990 ref NC_000913.2	-	1671160	1671525	174.0182861	180.4748721	110.4944633	119.9652454	127.7632223	0.559861034	1.849062821	1.0867211

tqsA	gi 49175990 ref NC_000913.2	+	1671937	1672971	301.4833245	311.5484629	642.5830451	519.2553019	516.175836	-0.860614115	3.866326654	2.7477739
pntB	gi 49175990 ref NC_000913.2	-	1672996	1674384	2581.92826	2226.284056	3277.256476	2302.92892	1604.80886	0.05557069	0.01097921	0
pntA	gi 49175990 ref NC_000913.2	-	1674395	1675927	2206.133396	1757.990767	2967.982967	1978.996329	1456.713776	-0.044098223	0.152590474	0.0474193
ydgH	gi 49175990 ref NC_000913.2	+	1676451	1677395	504.7364056	422.5827207	654.4705558	534.9136503	507.2576451	-0.249925626	0.692728298	0.3103556
ydgl	gi 49175990 ref NC_000913.2	+	1677581	1678963	302.1407684	309.6451744	316.6233286	254.7643234	302.795407	0.0723235772	0.124482989	0.0369374
folM	gi 49175990 ref NC_000913.2	+	1679000	1679722	315.6941901	294.4069888	291.8739521	292.6113162	286.0816816	0.082166078	0.127316005	0.0373086
ydgC	gi 49175990 ref NC_000913.2	-	1679719	1680054	189.6295933	168.0637153	210.7212925	178.4885586	214.1313315	-0.149623917	0.318645269	0.1240538
rstA	gi 49175990 ref NC_000913.2	+	1680183	1680902	760.1286664	805.4634053	476.8604546	445.4303793	654.542334	0.559392337	1.96076889	1.1690804
rstB	gi 49175990 ref NC_000913.2	+	1680906	1682207	820.1294176	854.8458964	513.4362519	468.8249893	549.4899469	0.708422001	3.120649877	2.1127955
tus	gi 49175990 ref NC_000913.2	+	1682283	1683212	271.2736517	273.5451516	196.6240788	204.0778718	217.5156832	0.398230776	1.153758242	0.590729
fumC	gi 49175990 ref NC_000913.2	-	1683209	1684612	224.7333741	215.5855583	210.46549	196.1675593	169.6157941	0.209389164	0.401741877	0.1627105
fumA	gi 49175990 ref NC_000913.2	-	1684755	1686401	712.3657666	713.3050167	738.8270521	760.0099781	651.9381308	-0.006054182	0.008744623	0
manA	gi 49175990 ref NC_000913.2	+	1686600	1687775	1450.77969	1395.250659	1389.26727	1487.669178	1402.216809	0.000192536	0.00124309	0
ydgA	gi 49175990 ref NC_000913.2	+	1687876	1689384	2819.91526	2820.936841	2415.45541	3404.376844	2499.460803	0.014316891	0.041961388	0.0054988
uidC	gi 49175990 ref NC_000913.2	-	1689610	1690875	17.60913381	18.0459296	14.90820518	19.01551516	19.02493928	0.00667601	0	0
uidB	gi 49175990 ref NC_000913.2	-	1690914	1692287	43.75370438	53.2414662	67.50091071	59.53791592	66.15146576	-0.426724711	0.894938542	0.4285397
uidA	gi 49175990 ref NC_000913.2	-	1692284	1694095	122.5182305	92.02589445	163.3250597	149.3197002	188.2131436	-0.603601425	1.974812124	1.1824631
uidR	gi 49175990 ref NC_000913.2	-	1694486	1695076	947.5739843	992.5710573	1441.369309	1628.954003	1655.570777	-0.712568224	2.736154853	1.8011016
hdhA	gi 49175990 ref NC_000913.2	-	1695297	1696064	1259.133057	1379.166162	629.7929781	805.9231173	795.162323	0.802139763	3.797134068	2.6882789
mall	gi 49175990 ref NC_000913.2	-	1696176	1697204	284.1349873	217.3914121	383.9459756	347.4906428	276.3197627	-0.375271649	1.113834675	0.5667635
malX	gi 49175990 ref NC_000913.2	+	1697379	1698971	381.1965803	369.4585847	599.7880881	558.5183067	666.1046254	-0.692689414	2.789245176	1.840045
malY	gi 49175990 ref NC_000913.2	+	1698981	1700153	359.9613317	396.1104218	468.726423	450.9218374	580.7056593	-0.421578638	1.125307466	0.5718716
add	gi 49175990 ref NC_000913.2	+	1700257	1701258	2900.533593	3027.066547	2027.930393	1539.704936	1944.95963	0.691578631	2.532975409	1.6315256
ydgJ	gi 49175990 ref NC_000913.2	-	1701292	1702332	917.6882421	855.7434763	726.7634127	602.3460802	745.7850815	0.37230271	1.039537026	0.5204761
blr	gi 49175990 ref NC_000913.2	+	1702575	1702700	1322.929093	1421.898601	1057.751622	1118.320468	2244.427965	-0.134523829	0.141401	0.0424335
cnu	gi 49175990 ref NC_000913.2	+	1702973	1703188	78.08293414	106.4865335	31.76436331	30.76632633	90.87489022	0.787199364	1.872256485	1.1049513
ydgK	gi 49175990 ref NC_000913.2	+	1703274	1703714	930.2958965	1045.794313	418.4662136	439.0024507	1020.391949	0.616605819	1.671108304	0.9582709
rsxA	gi 49175990 ref NC_000913.2	+	1703791	1704372	416.8011225	451.1924635	194.6549209	174.2915998	340.0750591	0.852671486	3.196898886	2.1724452
rsxB	gi 49175990 ref NC_000913.2	+	1704372	1704950	320.9367942	342.907251	169.0451123	121.7314971	273.8905589	0.801643461	2.63467953	1.7147128
rsxC	gi 49175990 ref NC_000913.2	+	1704943	1707165	845.3756095	879.5401537	516.9055774	429.994738	844.8225853	0.514299942	1.475247769	0.8078375
rsxD	gi 49175990 ref NC_000913.2	+	1707166	1708224	340.2370405	394.2341195	266.3065575	213.683035	483.4619404	0.160293635	0.322767081	0.1254812
rsxE	gi 49175990 ref NC_000913.2	+	1708228	1708848	178.9972726	189.9826653	145.4059376	131.6123349	238.1571977	0.084716703	0.159929216	0.049678
rsxE	gi 49175990 ref NC_000913.2	+	1708852	1709547	208.2914043	248.9229259	138.7185454	117.1061834	230.2420575	0.462143743	1.202119945	0.621995
nth	gi 49175990 ref NC_000913.2	+	1709547	1710182	202.2747319	219.4366131	114.9210579	114.6683256	184.450748	0.588640994	1.803738036	1.055955
gtpA	gi 49175990 ref NC_000913.2	+	1710793	1712295	1708.277943	1620.349408	1353.27944	117.204582	1565.577547	0.307507917	0.627044082	0.3222172
gstA	gi 49175990 ref NC_000913.2	+	1712401	1713006	469.8936805	494.8714152	468.2311994	487.5666622	418.6023398	0.068871771	0.140876123	0.0420426
pdxY	gi 49175990 ref NC_000913.2	-	1713050	1713913	505.2843095	523.358192	603.0532165	504.6880371	529.5335419	-0.082441764	0.150840547	0.0460761
tyrS	gi 49175990 ref NC_000913.2	-	1713972	1715246	2379.351257	2465.724334	2559.850138	2116.903334	2191.977149	0.085515477	0.146122063	0.0438611
pdxH	gi 49175990 ref NC_000913.2	-	1715375	1716031	549.1777797	511.9122715	514.8751722	526.9267373	523.851684	0.032649819	0.042349404	0.005706
mliC	gi 49175990 ref NC_000913.2	-	1716090	1716419	120.5730627	147.2951577	121.0507817	113.4574658	152.2304915	0.025197718	0.084034204	0.021045
anmK	gi 49175990 ref NC_000913.2	-	1716517	1717626	334.6882471	372.3698347	407.254441	399.1521479	399.3610983	-0.198723701	0.393051875	0.1567356
slyB	gi 49175990 ref NC_000913.2	+	1717900	1718367	7704.519621	7666.873772	6622.919548	6249.361628	6655.205136	0.241794569	0.539228983	0.2319924
slyA	gi 49175990 ref NC_000913.2	+	1718414	1718848	1563.613748	1553.884815	2263.570281	2365.579255	2332.083537	-0.574944105	1.859651222	1.0954548
ydhl	gi 49175990 ref NC_000913.2	+	1719049	1719285	120.519209	150.1525875	76.49301477	206.6973364	168.0548472	-0.215691274	0.191978143	0.0623582
ydHJ	gi 49175990 ref NC_000913.2	+	1719288	1720145	245.0767405	274.5406873	183.8883413	215.2776399	248.7260251	0.240495171	0.597267025	0.2647326
ydHK	gi 49175990 ref NC_000913.2	+	1720145	1722157	570.7210662	625.0142067	591.5988848	546.1258018	594.4631044	0.039358043	0.089664399	0.023818
sodC	gi 49175990 ref NC_000913.2	-	1722158	1722679	397.5466413	475.9339688	580.5959378	554.8852745	463.5669051	-0.305765881	0.697103564	0.1309446
ydHF	gi 49175990 ref NC_000913.2	-	1722760	1723656	814.4038026	860.5512315	1399.091306	1297.127725	1118.649845	-0.602555245	2.168238341	1.3280853
ydHL	gi 49175990 ref NC_000913.2	-	1723705	1723944	96.92531673	105.4555949	110.6316392	72.12085984	97.52476928	0.11719073	0.187645394	0.0607696
nemR	gi 49175990 ref NC_000913.2	+	1724047	1724646	158.4554876	190.0329893	134.7524962	154.7692831	184.7707469	0.105882072	0.247261854	0.0903598
nemA	gi 49175990 ref NC_000913.2	+	1724683	1725780	508.1664291	472.9694724	525.898423	601.9554581	593.3316074	-0.222089428	0.511868743	0.2198088
gloA	gi 49175990 ref NC_000913.2	+	1725861	1726268	867.7261616	835.812564	957.3833262	853.2705929	831.3408128	-0.036048791	0.078668887	0.0192386
rnt	gi 49175990 ref NC_000913.2	+	1726371	1727018	389.1931807	401.7804767	330.8793328	333.1625264	424.7741954	0.113005991	0.237483098	0.0849964
lhr	gi 49175990 ref NC_000913.2	+	1727111	1731727	678.9599592	672.4580233	882.1977118	847.6476216	873.8253752	-0.358366038	1.024764706	0.5210803
grxD	gi 49175990 ref NC_000913.2	-	1731778	1732125	1529.258733	1647.005086	1198.108743	1038.502525	1387.246053	0.383481676	1.125262323	0.5718716
ydHO	gi 49175990 ref NC_000913.2	+	1732459	1733274	259.2763777	262.1485462	227.8305745	242.4228686	357.2073096	-0.095347318	0.124277144	0.0369374
sodB	gi 49175990 ref NC_000913.2	+	1733402	1733983	4339.31917	4400.480396	7392.451012	6026.183187	4835.149825	-0.46269273	1.289736286	0.6874068

ydhP	gi 49175990 ref NC_000913.2	-	1734145	1735314	348.9342243	346.6741655	311.8595597	326.1867493	306.3000467	0.144233078	0.295946196	0.1141666
ynhF	gi 49175990 ref NC_000913.2	-	1735480	1735569	1321.900695	929.7015072	2696.478256	3927.39302	5229.859715	-1.786833109	9.935801861	8.1388008
purR	gi 49175990 ref NC_000913.2	+	1735868	1736893	1314.343027	1315.485468	1306.788953	1386.850007	1398.776779	-0.068857285	0.115399672	0.0327284
ydhB	gi 49175990 ref NC_000913.2	-	1736890	1737822	222.6274057	228.9121832	203.4377567	205.3205108	254.3348368	0.021295344	0.050504992	0.0085479
ydhC	gi 49175990 ref NC_000913.2	+	1737935	1739146	298.2491019	259.234364	155.0973288	121.8096988	328.4609114	0.468075705	0.916026721	0.4425158
cfa	gi 49175990 ref NC_000913.2	+	1739437	1740585	1684.028985	1724.865432	1739.467556	1491.082947	1150.258427	0.234469791	0.467539759	0.1960399
ribC	gi 49175990 ref NC_000913.2	-	1740625	1741266	1050.886876	1156.912426	796.8464963	952.8961445	1003.746386	0.242436452	0.65503584	0.2935851
mdtK	gi 49175990 ref NC_000913.2	+	1741481	1742854	629.7475905	517.5546071	513.0873574	510.0028417	423.1656019	0.283029496	0.604681307	0.2677516
ydhQ	gi 49175990 ref NC_000913.2	-	1742895	1744151	1177.865221	1037.130595	1450.818277	1145.745633	734.3463224	0.038188547	0.000556939	0
ydhR	gi 49175990 ref NC_000913.2	+	1744724	1745029	1142.32478	1278.496418	1235.609867	1200.963721	1531.925678	-0.149349885	0.238377883	0.0855881
ydhS	gi 49175990 ref NC_000913.2	+	1745155	1746759	403.1831425	402.7154264	355.1035522	565.3852764	331.3511787	-0.061427622	0.07071034	0.0170551
ydhT	gi 49175990 ref NC_000913.2	-	1746771	1747583	108.1682345	122.5686968	227.0033558	595.4576188	108.8286055	-1.463677054	3.119550587	2.1127805
ydhU	gi 49175990 ref NC_000913.2	-	1747587	1748372	54.70899965	58.90639302	220.256505	567.3961642	90.91590644	-2.391365087	6.39615857	4.9565059
ydhX	gi 49175990 ref NC_000913.2	-	1748369	1749037	63.33953375	55.99722246	342.8736208	702.0927537	94.3704974	-2.661547726	7.434773542	5.8779376
ydhW	gi 49175990 ref NC_000913.2	-	1749101	1749748	52.70438958	59.87244892	417.5849476	1001.019262	88.83318748	-3.183923201	7.798622359	6.2057413
ydhV	gi 49175990 ref NC_000913.2	-	1749752	1751854	121.0247745	125.3843512	1332.842485	306.693596	252.6820633	-3.648820161	9.641200576	7.8637951
ydhY	gi 49175990 ref NC_000913.2	-	1751875	1752501	30.96963161	42.81984476	813.5402312	1598.784062	124.7772607	-4.553258985	12.54005811	10.486446
ydhZ	gi 49175990 ref NC_000913.2	-	1752956	1753165	309.508472	338.1680971	280.8814722	580.3225802	592.904724	-0.625421543	1.469190487	0.8027706
pykF	gi 49175990 ref NC_000913.2	+	1753722	1755134	4914.007911	5204.042333	6302.919427	5447.848108	6121.247654	-0.239569232	0.511368592	0.2196639
lpp	gi 49175990 ref NC_000913.2	+	1755445	1755681	311254.1783	318775.8232	366970.9309	258121.5426	355903.5783	-0.047679706	0.078124644	0.0192386
ynhG	gi 49175990 ref NC_000913.2	-	1755745	1756749	720.5944334	716.1509527	1200.587944	1332.741782	997.5720638	-0.709753123	2.762409728	1.8208812
sufE	gi 49175990 ref NC_000913.2	-	1756898	1757314	223.8785866	187.9868897	263.8218828	255.6141349	241.2810708	-0.273813351	0.711453595	0.3184473
sufS	gi 49175990 ref NC_000913.2	-	1757327	1758547	720.1338119	680.9848861	959.8232543	901.2894069	707.08443	-0.271933829	0.711506928	0.3184473
sufD	gi 49175990 ref NC_000913.2	-	1758544	1759815	566.6315152	467.2165895	702.2940178	691.4635556	443.6756852	-0.206744286	0.49427543	0.2099578
sufC	gi 49175990 ref NC_000913.2	-	1759790	1760536	329.8248777	284.8759611	375.8068126	332.9043679	251.7102351	-0.025865902	0.089913432	0.023818
sufB	gi 49175990 ref NC_000913.2	-	1760546	1762033	521.1995651	429.2240702	613.9669345	574.7285852	260.0375528	0.024109758	0.024627408	0.0005477
sufA	gi 49175990 ref NC_000913.2	-	1762042	1762410	137.3500725	146.2915594	166.7564139	184.6074929	109.3282396	-0.116700691	0.173383271	0.0547682
ydiH	gi 49175990 ref NC_000913.2	-	1762958	1763146	260.6001801	258.3407994	487.1683046	513.4683132	521.5549951	-0.968956118	4.834512734	3.5844338
ydiI	gi 49175990 ref NC_000913.2	-	1763246	1763656	151.1654745	131.9671609	195.9647851	154.6269611	90.40508301	-0.013408291	0.063647099	0.0138785
ydiJ	gi 49175990 ref NC_000913.2	-	1763653	1766709	830.7108155	752.200604	1148.767506	808.318536	430.5654399	0.040186928	0.005238269	0
ydiK	gi 49175990 ref NC_000913.2	+	1767098	1768210	823.6237669	777.8649416	730.4799296	617.9247377	655.144932	0.27711911	0.670112317	0.2999977
ydiL	gi 49175990 ref NC_000913.2	+	1768639	1768995	5.754970402	13.38190469	6.948594436	12.20651241	9.004616747	-0.055445972	0	0
ydiM	gi 49175990 ref NC_000913.2	+	1769095	1770309	16.93496138	18.05230255	12.65251688	20.18301749	26.65672571	-0.20383408	0.13892548	0.0415146
ydiN	gi 49175990 ref NC_000913.2	+	1770536	1771801	8.823681591	8.540579884	6.711019867	4.607709845	9.955649911	0.293995649	0.251395279	0.09173
ydiB	gi 49175990 ref NC_000913.2	+	1771813	1772679	45.84641775	50.36234047	34.08142317	41.64227592	65.66816117	0.002388391	0.025175519	0.0060609
aroD	gi 49175990 ref NC_000913.2	+	1772710	1773468	234.2737846	219.3746192	177.5149939	154.8741253	171.5935113	0.446055884	1.234568721	0.6458436
ydiF	gi 49175990 ref NC_000913.2	+	1773611	1775206	8.219798621	7.586816861	6.873758554	7.894253915	11.10491514	-0.121721751	0.026205542	0.000968
ydiO	gi 49175990 ref NC_000913.2	+	1775220	1776371	24.96659026	29.47552306	20.04957714	20.23008953	23.48009389	0.337470763	0.536147913	0.230724
ydiP	gi 49175990 ref NC_000913.2	-	1776414	1777325	43.75370438	53.2414662	31.64736809	53.69305539	60.26717675	-0.04443931	0	0
ydiQ	gi 49175990 ref NC_000913.2	+	1777641	1778405	33.08797301	16.97166491	23.21991643	36.80893403	32.48958601	-0.250430859	0.36784649	0.145076
ydiR	gi 49175990 ref NC_000913.2	+	1778425	1779363	34.554066	37.05554195	47.54344429	48.10965392	37.21837439	-0.308037711	0.517194591	0.2218965
ydiS	gi 49175990 ref NC_000913.2	+	1779419	1780708	18.7688759	20.91052977	30.26291062	24.76110859	26.94298191	-0.462171374	0.718277927	0.3208175
fadK	gi 49175990 ref NC_000913.2	+	1781055	1782701	59.05312371	65.56595552	66.08739819	56.19134011	62.79998612	0.007291046	0.016674175	0
ppsA	gi 49175990 ref NC_000913.2	-	1782758	1785136	1638.05537	1635.570884	787.1715741	745.825738	995.6878016	0.952610058	4.945288018	3.6836785
ppsR	gi 49175990 ref NC_000913.2	+	1785469	1786302	558.7717193	501.4472324	266.9553962	207.9270961	365.0370425	0.9325524	3.908827293	2.7803555
aroH	gi 49175990 ref NC_000913.2	+	1786459	1787505	332.9205782	356.2053438	178.0893679	160.6127137	226.1952464	0.85834582	3.814241864	2.7012571
ydiE	gi 49175990 ref NC_000913.2	+	1787637	1787828	222.3430446	204.1697826	89.5953971	87.74216382	139.6511002	1.013704879	4.26191027	3.0849652
ydiU	gi 49175990 ref NC_000913.2	-	1787832	1789268	1113.221285	1061.863015	611.4985407	603.1617072	575.5381458	0.874482416	4.517699017	3.3091851
cdgR	gi 49175990 ref NC_000913.2	-	1789331	1790044	117.6320449	133.0167241	174.7884848	239.7018973	229.8259701	-0.805683387	2.782614977	1.8357082
nlpC	gi 49175990 ref NC_000913.2	-	1790291	1790755	385.1720836	427.4583398	365.2599116	347.8001702	461.7685583	0.033727589	0.092015571	0.023893
btuD	gi 49175990 ref NC_000913.2	-	1790833	1791582	636.5414137	657.28043	582.7125683	667.9932169	575.5801841	0.079941894	0.16759897	0.0527977
btuE	gi 49175990 ref NC_000913.2	-	1791582	1792133	707.1681211	739.9203421	661.9216326	649.144503	629.3628823	0.157137835	0.357015749	0.1413425
btuC	gi 49175990 ref NC_000913.2	-	1792196	1793176	329.726311	357.1606758	368.6548325	366.5617577	333.3003889	-0.060812897	0.082646173	0.0209983
ihfA	gi 49175990 ref NC_000913.2	-	1793277	1793576	3938.37626	4293.187017	5550.981015	5035.265128	5918.098233	-0.430436973	1.148812852	0.5881165
pheT	gi 49175990 ref NC_000913.2	-	1793581	1795968	8481.242338	8535.957038	10592.71833	10231.69935	11626.60436	-0.348838446	0.863848059	0.4077485
pheS	gi 49175990 ref NC_000913.2	-	1795983	1796966	1744.140603	1703.946893	1596.383544	1094.697744	1435.727796	0.341583876	0.793635568	0.3647067
pheM	gi 49175990 ref NC_000913.2	-	1797250	1797294	36.54328765	37.04161719	33.81199986	38.24416966	54.60796925	-0.210483646	0.27337433	0.1020023

rpIT	gi 49175990 ref NC_000913.2	-	1797417	1797773	8685.700149	10420.47029	6037.738874	6052.358183	10075.64339	0.329892647	0.825118032	0.3831114
rpml	gi 49175990 ref NC_000913.2	-	1797826	1798023	5090.020988	5446.249391	3532.827236	3673.200648	5621.366858	0.277812819	0.664148958	0.2977686
infC	gi 49175990 ref NC_000913.2	-	1798120	1798662	22787.23117	23488.85497	16490.22487	15173.87952	20735.92952	0.396914954	1.05238643	0.5260812
thrS	gi 49175990 ref NC_000913.2	-	1798666	1800594	15630.49778	15712.73396	14505.3158	14532.36054	16057.4697	0.056656673	0.103724758	0.0277229
yniD	gi 49175990 ref NC_000913.2	+	1803189	1803296	84.9786169	91.20243086	114.8986166	100.9397114	92.16187199	-0.220856796	0.420276915	0.171766
ydiY	gi 49175990 ref NC_000913.2	-	1803349	1804107	245.8324745	324.9549462	242.5213452	194.2713288	253.3135834	0.276664546	0.738314584	0.3324689
pfkB	gi 49175990 ref NC_000913.2	+	1804394	1805323	713.2768632	658.1781774	665.348707	618.8005246	507.3589971	0.219536181	0.44308043	0.1817004
ydiZ	gi 49175990 ref NC_000913.2	+	1805424	1805714	331.2056636	335.2847306	573.4139246	511.1379788	374.0306119	-0.532845588	1.663251028	0.9520618
yniA	gi 49175990 ref NC_000913.2	+	1805820	1806680	1214.47182	1277.516778	3419.122356	2986.655512	2248.460264	-1.203854004	5.762514536	4.3956382
yniB	gi 49175990 ref NC_000913.2	-	1806721	1807257	454.6285592	496.788006	464.8483202	483.3191934	568.4506164	-0.106148603	0.158099717	0.0488334
yniC	gi 49175990 ref NC_000913.2	+	1807404	1808072	417.3974287	377.0257688	370.1822374	314.2434204	425.9383902	0.116089984	0.188282679	0.0610389
ydiM	gi 49175990 ref NC_000913.2	+	1808235	1808825	256.1781156	311.6204341	222.249984	198.8745399	339.1699555	0.1279087	0.291415401	0.1120598
ydiN	gi 49175990 ref NC_000913.2	+	1808958	1810349	233.3614602	239.359134	210.9554192	207.4469876	212.0000491	0.166683188	0.343170303	0.1341942
ydiO	gi 49175990 ref NC_000913.2	-	1810353	1811156	2.833221706	6.69422259	5.264224634	7.692437469	1.268510481	-0.054880268	0	0
cedA	gi 49175990 ref NC_000913.2	-	1811445	1811687	280.9567623	322.993481	210.4136579	239.9836692	286.8256469	0.267645936	0.712480904	0.3184473
katE	gi 49175990 ref NC_000913.2	+	1811891	1814152	941.2342546	829.1224801	606.0088983	638.8097073	478.2286652	0.646084007	2.383447352	1.5059267
chbG	gi 49175990 ref NC_000913.2	-	1814410	1815159	133.4296332	149.1601721	155.1343866	159.1180467	140.3630686	-0.113433614	0.165577816	0.0523163
chbF	gi 49175990 ref NC_000913.2	-	1815172	1816524	70.66502747	91.26629189	99.40592222	92.02343613	98.68769848	-0.284986961	0.523495466	0.2242744
chbR	gi 49175990 ref NC_000913.2	-	1816629	1817471	68.86211257	65.51678578	81.65942827	110.7720176	99.80561823	-0.539647514	1.474497103	0.8075823
chbA	gi 49175990 ref NC_000913.2	-	1817479	1817829	61.3754029	56.00687424	80.49077717	120.74436	99.85614183	-0.775266316	2.518039463	1.6199106
chbC	gi 49175990 ref NC_000913.2	-	1817880	1819238	122.4540194	150.14635	220.1275933	175.2613432	248.7101525	-0.679570715	2.101377458	1.2782145
chbB	gi 49175990 ref NC_000913.2	-	1819323	1819643	99.42164682	109.2587947	147.9789524	300.0446837	296.8631608	-1.291145006	4.770643342	3.5303359
osmE	gi 49175990 ref NC_000913.2	-	1819942	1820280	6054.326915	6235.524262	9287.528992	8451.113653	6763.338279	-0.403992221	1.038622887	0.5202286
nadE	gi 49175990 ref NC_000913.2	+	1820482	1821309	1008.081556	1077.113835	1451.10372	1494.288208	1171.429201	-0.401384657	1.102106169	0.5585177
cho	gi 49175990 ref NC_000913.2	+	1821539	1822426	269.856151	285.9143083	262.7906754	265.7256132	270.316746	0.052853288	0.108004591	0.0290579
ves	gi 49175990 ref NC_000913.2	-	1822386	1822961	407.3380992	440.7442578	649.667564	570.7937979	592.3292204	-0.516064238	1.670082575	0.9577953
spy	gi 49175990 ref NC_000913.2	-	1823164	1823649	164.1478982	195.7298537	100.3901474	254.926176	211.7847083	-0.128256965	0.081530934	0.0204431
astE	gi 49175990 ref NC_000913.2	-	1823979	1824947	22.79911667	20.87508081	34.28750577	35.7474411	24.89982788	-0.518059345	0.930889667	0.4525949
astB	gi 49175990 ref NC_000913.2	-	1824940	1826283	59.64133218	67.47145689	71.11219294	61.68415986	54.03708826	0.024357509	0.027161489	0.0014853
astD	gi 49175990 ref NC_000913.2	-	1826280	1827758	48.83451997	57.98540161	54.5375225	68.10237284	46.24016592	-0.096782108	0.085644216	0.0221491
astA	gi 49175990 ref NC_000913.2	-	1827755	1828789	36.75147558	21.73427982	30.43201533	26.99142861	30.26056115	0.056268463	0	0
astC	gi 49175990 ref NC_000913.2	-	1828786	1830006	40.71438154	33.18921625	44.8453658	45.83688296	32.77326382	-0.126794121	0.185530169	0.0597732
xthA	gi 49175990 ref NC_000913.2	+	1830452	1831258	483.6917742	522.4276866	437.0505239	318.7708813	399.2665532	0.385089819	1.079979479	0.5452469
ydiX	gi 49175990 ref NC_000913.2	+	1831425	1832135	236.2962081	260.2859128	385.0090578	292.0609121	526.5205092	-0.708082509	2.206984762	1.3582462
ydiY	gi 49175990 ref NC_000913.2	+	1832140	1832817	324.997409	319.1244834	446.9240505	214.9153289	403.5354591	-0.119013537	0.218689338	0.5758113
ydiZ	gi 49175990 ref NC_000913.2	+	1832832	1833539	295.6660608	319.1662864	458.2085757	200.3488013	347.6672461	-0.108777704	0.181422754	0.0580027
ynjA	gi 49175990 ref NC_000913.2	+	1833539	1834087	144.7544533	163.4120612	177.7897414	84.76330416	160.1568283	0.131416629	0.190584834	0.0615393
ynjB	gi 49175990 ref NC_000913.2	+	1834097	1835263	271.2625896	274.4964887	378.9811458	145.5489907	342.8596092	-0.062009013	0.102261229	0.0270074
ynjC	gi 49175990 ref NC_000913.2	+	1835236	1836771	207.9720234	224.1830778	327.233264	172.1289483	245.6891165	-0.187410491	0.348482013	0.1380683
ynjD	gi 49175990 ref NC_000913.2	+	1836771	1837424	126.5274799	139.6565169	177.4233358	92.45958533	129.0590302	0.011871874	0	0
ynjE	gi 49175990 ref NC_000913.2	+	1837491	1838798	805.8382626	787.3788786	1433.174741	616.373382	1096.959363	-0.364975946	0.821741509	0.3803246
ynjF	gi 49175990 ref NC_000913.2	-	1838807	1839427	229.8358393	266.0063271	300.8491929	251.3756865	298.2814885	-0.208620673	0.394176815	0.1571967
nudG	gi 49175990 ref NC_000913.2	+	1839514	1839921	116.170405	112.0600811	82.81859246	87.58008909	112.9714642	0.269242127	0.586601408	0.2584339
ynjH	gi 49175990 ref NC_000913.2	-	1839887	1840159	86.71932994	98.82287982	82.8332711	95.30112387	106.3704348	-0.055965652	0.037379183	0.0039338
gdhA	gi 49175990 ref NC_000913.2	+	1840395	1841738	1244.879511	1265.152734	865.0014745	875.5774476	833.5230203	0.546896975	1.993790171	1.1941083
ynjI	gi 49175990 ref NC_000913.2	-	1841855	1842895	176.71483	172.8524941	124.3225834	152.4955123	182.4842281	0.180909411	0.359986331	0.1424431
topB	gi 49175990 ref NC_000913.2	-	1843023	1844984	1717.003565	1406.573505	2400.482921	2114.472485	1786.149837	-0.387992214	1.098914478	0.5577652
selD	gi 49175990 ref NC_000913.2	-	1844989	1846032	1923.094173	1688.699445	3027.216597	2329.810639	1827.842892	-0.368033363	0.962396283	0.4683213
ydiA	gi 49175990 ref NC_000913.2	-	1846149	1846700	964.3971194	895.6336113	1128.330974	1002.327938	896.5250691	-0.098017347	0.220440134	0.0765031
sppA	gi 49175990 ref NC_000913.2	+	1846861	1848717	1325.497019	1406.695493	1144.777648	994.691987	1026.9746604	0.297746604	0.807117146	0.371975
ansA	gi 49175990 ref NC_000913.2	+	1848884	1849900	547.5954756	561.3459554	472.2408769	401.6660671	519.1102385	0.253793631	0.627660751	0.2809088
pncA	gi 49175990 ref NC_000913.2	+	1849911	1850552	328.6292735	338.1414013	303.8066612	296.0307774	305.0976763	0.141050574	0.295088841	0.1134712
ydiE	gi 49175990 ref NC_000913.2	-	1850645	1852003	60.32897721	66.51337649	68.88794794	65.0719729	66.20318207	-0.081741465	0.088896646	0.0234224
ydiF	gi 49175990 ref NC_000913.2	-	1852120	1852878	98.8211285	107.3584056	65.77004242	152.1365782	164.3698059	-0.349602249	0.494166765	0.2099578
ydiG	gi 49175990 ref NC_000913.2	-	1853015	1853995	37.30269124	35.1238187	35.10001987	50.25529113	43.74090157	-0.251807412	0.391167657	0.1558183
ydiH	gi 49175990 ref NC_000913.2	-	1854005	1854952	19.86346269	6.527958832	18.44262391	16.83314561	15.76382075	-0.271133299	0.387895174	0.1543669
ydiI	gi 49175990 ref NC_000913.2	-	1854957	1855793	12.07617649	10.42636026	11.28904228	30.83700445	11.47213095	-0.668158826	0.803753294	0.3705088

ydjJ	gi 49175990 ref NC_000913.2	-	1855814	1856857	12.46689751	14.26085094	22.92327518	37.71934282	19.32633998	-1.008928025	1.948387431	1.1616638
ydjK	gi 49175990 ref NC_000913.2	-	1856874	1858253	21.78164725	26.63086208	39.26961116	29.27334071	30.37651622	-0.452213442	0.722121603	0.3230606
ydjL	gi 49175990 ref NC_000913.2	-	1858280	1859356	39.82690335	25.54289789	68.16689797	54.96098326	44.03166993	-0.707971778	1.976836922	1.1831638
yeaC	gi 49175990 ref NC_000913.2	-	1859726	1859998	231.2858802	251.7322738	242.6153829	434.0960847	242.7255468	-0.37049646	0.708082542	0.3157779
msrB	gi 49175990 ref NC_000913.2	-	1860040	1860453	479.9969466	504.3685231	502.5117406	817.6307414	496.2056643	-0.318629212	0.659849058	0.2968642
gapA	gi 49175990 ref NC_000913.2	+	1860795	1861790	47068.62175	51213.88632	64977.18674	54772.62309	62542.22261	-0.313134692	0.693867361	0.3103556
yeaD	gi 49175990 ref NC_000913.2	+	1861874	1862758	654.5279886	615.4454028	1155.199937	894.7151308	673.6075097	-0.485904772	1.504653946	0.8282268
yeaE	gi 49175990 ref NC_000913.2	-	1862806	1863660	438.1593298	488.2486463	652.2754989	605.4169604	549.8511044	-0.388105845	1.058814905	0.528805
mipA	gi 49175990 ref NC_000913.2	-	1863750	1864496	2359.924214	2354.578007	1089.024736	947.5911415	1107.031228	1.172960297	6.834897028	5.3355723
yeaG	gi 49175990 ref NC_000913.2	+	1864932	1866866	1603.931863	1624.179888	2613.907055	2653.310282	1435.480535	-0.457658161	1.085952977	0.5501233
yeaH	gi 49175990 ref NC_000913.2	+	1866979	1868262	700.5406129	668.6416464	1194.409376	1304.394556	594.2868052	-0.571961146	1.501882623	0.8269714
yeal	gi 49175990 ref NC_000913.2	+	1868409	1869884	26.91726528	30.41657625	22.14479176	45.57603039	32.57431112	-0.252682102	0.271463117	0.1008814
yeaJ	gi 49175990 ref NC_000913.2	+	1870065	1871555	447.3141351	452.1110078	242.2751607	216.8551423	390.6662572	0.654623824	2.174200508	1.3299547
yeaK	gi 49175990 ref NC_000913.2	+	1871598	1872101	540.0927985	542.3401917	617.5815011	494.6643848	548.5576815	-0.024332758	0.048806721	0.0081378
yoal	gi 49175990 ref NC_000913.2	-	1872102	1872206	56.44888017	48.39185503	50.76598642	54.96713347	61.56150044	-0.076352193	0.104471436	0.0277229
yeaL	gi 49175990 ref NC_000913.2	+	1872376	1872822	147.1029447	141.5024737	175.6833293	200.966189	210.7439324	-0.441237004	1.194878595	0.6175829
yeaM	gi 49175990 ref NC_000913.2	-	1872779	1873600	153.2664721	124.3414739	168.0420844	151.390738	141.4941612	-0.11283033	0.262169535	0.0969211
yeaN	gi 49175990 ref NC_000913.2	+	1873697	1874878	164.0244292	164.3138685	182.0450561	189.5041785	202.9262158	-0.225455364	0.458089617	0.1917807
yeaO	gi 49175990 ref NC_000913.2	+	1874933	1875280	263.006402	270.7045992	436.4409259	300.7795539	321.013351	-0.388475166	1.044023425	0.5210963
yeaF	gi 49175990 ref NC_000913.2	-	1875302	1875556	146.1978893	154.8378976	147.7468454	162.5757622	177.0717091	-0.123725077	0.177623049	0.0561466
yeaP	gi 49175990 ref NC_000913.2	+	1875739	1876764	723.3834525	800.734982	647.7556564	619.0803002	774.8112017	0.145119694	0.349891235	0.1391697
yoaK	gi 49175990 ref NC_000913.2	+	1876797	1876895	94.95706439	106.416249	78.33004125	69.69806799	88.43182521	0.338669393	0.846908286	0.3971622
yeaJ	gi 49175990 ref NC_000913.2	+	1876898	1876972	42.75042872	32.22065796	35.40514047	34.6238119	21.60193631	0.334451408	0.474011059	0.1991532
yeaQ	gi 49175990 ref NC_000913.2	-	1877031	1877279	1662.672266	1656.465678	2562.540304	174.654017	1418.483778	-0.209036186	0.430821135	0.1762871
yoaG	gi 49175990 ref NC_000913.2	-	1877427	1877609	57.10516399	48.38847649	39.77258801	10.76032486	66.42152648	0.453208522	0.554096612	0.2401889
yeaR	gi 49175990 ref NC_000913.2	-	1877613	1877972	113.4485184	117.7864625	51.80649787	17.75361233	169.6527411	0.504896647	0.622569271	0.2777086
leuE	gi 49175990 ref NC_000913.2	-	1878145	1878783	340.9927081	379.9691109	359.2504347	283.9984927	377.7962652	0.072137991	0.149507036	0.0453478
dmlR	gi 49175990 ref NC_000913.2	-	1878910	1879833	512.7864705	542.364128	839.8060591	689.8925399	974.4078742	-0.669102203	2.446180987	1.5580772
dmlA	gi 49175990 ref NC_000913.2	+	1879936	1881021	89.24118938	101.6725967	160.2383465	154.6770242	137.0275463	-0.669120835	2.263802076	1.4050162
yeaV	gi 49175990 ref NC_000913.2	+	1881212	1882657	20.49592756	25.68482256	35.67010277	35.81382117	29.30833768	-0.556563703	1.038092913	0.5202286
yeaW	gi 49175990 ref NC_000913.2	+	1882689	1883813	19.38134161	21.86310948	47.1174664	33.79130621	35.98989592	-0.912657397	2.29892978	1.4348706
yeaX	gi 49175990 ref NC_000913.2	+	1883869	1884834	44.02045021	33.16944074	36.1747352	34.92402369	50.19290477	-0.041982876	0.061913886	0.0128622
rmd	gi 49175990 ref NC_000913.2	-	1884888	1886015	497.1191182	509.1057898	401.2149506	421.6549588	500.0065449	0.18020068	0.428218534	0.1754896
fadD	gi 49175990 ref NC_000913.2	-	1886805	1887770	524.6000713	484.3635383	482.2005246	530.3304332	592.046071	-0.08054298	0.149319932	0.0453478
yeaY	gi 49175990 ref NC_000913.2	-	1887975	1888556	717.3971233	721.8556006	713.5378652	706.2559618	630.5956815	0.076913567	0.142105686	0.0427363
yeaZ	gi 49175990 ref NC_000913.2	-	1888596	1889291	768.2379905	836.8202944	728.3360837	730.9647998	703.3917568	0.143394331	0.343737764	0.134534
yoaA	gi 49175990 ref NC_000913.2	-	1889349	1891259	918.9434461	858.5938185	827.3746806	767.9754397	690.0851962	0.238626577	0.537974428	0.2314721
yoaB	gi 49175990 ref NC_000913.2	+	1891391	1891735	663.3970761	743.7521301	468.4144734	466.4352282	483.427974	0.556627855	2.107967032	1.2830803
yoaC	gi 49175990 ref NC_000913.2	+	1892157	1892456	98.46095884	74.93919016	98.15469194	183.213279	125.7803728	-0.632184588	1.718775473	0.9947874
yoaH	gi 49175990 ref NC_000913.2	-	1892576	1892755	570.248821	595.5478495	571.0462959	582.0425464	728.7675552	-0.118700149	0.191645288	0.062169
pabB	gi 49175990 ref NC_000913.2	+	1892829	1894190	347.5458754	359.03912	333.9232186	387.97459	468.4957501	-0.183705368	0.325963418	0.1268477
nudL	gi 49175990 ref NC_000913.2	+	1894194	1894772	280.0265741	289.7031724	319.3181714	364.4636221	452.7606195	-0.427428542	1.121155192	0.5689069
sdaA	gi 49175990 ref NC_000913.2	+	1894956	1896320	2172.957692	2288.117273	2153.393923	2226.560069	2179.546864	0.020144367	0.04965396	0.0081378
adrB	gi 49175990 ref NC_000913.2	+	1896451	1898049	144.7292465	131.9839724	180.2100538	164.8949191	170.5281642	-0.297147131	0.713988339	0.3184473
yoaE	gi 49175990 ref NC_000913.2	-	1898053	1899609	881.5052443	874.7687932	1010.573047	839.997271	989.275923	-0.101952469	0.199446835	0.0660742
manX	gi 49175990 ref NC_000913.2	+	1900072	1901043	3316.588096	3249.291846	8641.614298	8199.940299	6580.462863	-1.238486975	6.51083148	5.0501362
manY	gi 49175990 ref NC_000913.2	+	1901106	1901906	2972.853533	2783.862424	7932.970597	7632.544975	5434.195821	-1.262169373	6.499746929	5.0470371
manZ	gi 49175990 ref NC_000913.2	+	1901919	1902770	4228.302916	4239.956742	11642.30972	9792.141279	8671.328095	-1.232733201	6.248533236	4.8240674
yobD	gi 49175990 ref NC_000913.2	+	1902825	1903283	167.3591813	157.6405796	286.2310376	265.7420367	253.6349513	-0.711415119	2.739194284	1.8013377
yebN	gi 49175990 ref NC_000913.2	+	1903712	1904278	283.7419949	300.160942	350.1487015	301.8416055	374.465365	-0.234639015	0.505599002	0.1521007
rlmA	gi 49175990 ref NC_000913.2	-	1904275	1905084	582.9158669	600.2904022	543.3818278	575.3165206	742.1473562	-0.08174072	0.11251744	0.0313912
cspC	gi 49175990 ref NC_000913.2	-	1905250	1905459	10702.02763	11857.49598	13185.76247	14225.21205	17634.36682	-0.437111239	1.046812518	0.5221887
yobF	gi 49175990 ref NC_000913.2	-	1905472	1905615	9376.664445	11192.66474	11484.23662	14142.25522	19316.6775	-0.586637688	1.432590481	0.7793247
yebO	gi 49175990 ref NC_000913.2	-	1906285	1906572	1253.215127	1226.192392	1003.109088	911.7299921	1133.814043	0.288956266	0.741431287	0.3345498
mgrB	gi 49175990 ref NC_000913.2	-	1906647	1906790	1340.629233	1427.592996	1143.687593	1125.683832	1175.53281	0.260130094	0.67860366	0.3037385
yobH	gi 49175990 ref NC_000913.2	+	1906949	1907188	141.4705365	167.2300278	67.44581748	168.0044657	223.4486324	-0.048779487	0.019542461	0
kdgR	gi 49175990 ref NC_000913.2	-	1907332	1908123	563.4323429	567.0363284	567.6772417	515.8728494	567.5379718	0.040051362	0.070171915	0.0170551

yebQ	gi 49175990 ref NC_000913.2	+	1908300	1909673	175.4230921	214.7381628	151.7576608	178.1557261	173.8123305	0.182550919	0.454909541	0.1895839
htpX	gi 49175990 ref NC_000913.2	-	1909719	1910600	2777.626575	2787.695005	2496.896303	2347.815405	2616.892766	0.161749528	0.330697285	0.1302079
prc	gi 49175990 ref NC_000913.2	-	1910792	1912840	3367.819589	3190.387339	2505.376612	2500.34996	3164.033589	0.269592026	0.641629294	0.286746
proQ	gi 49175990 ref NC_000913.2	-	1912860	1913558	3261.908957	3007.060673	2412.386338	2223.543859	3067.48417	0.294740757	0.69555778	0.3103556
msrC	gi 49175990 ref NC_000913.2	-	1913655	1914152	1379.586983	1540.643654	817.5972452	809.6113899	957.7136911	0.741076216	3.418370644	2.3647587
yebS	gi 49175990 ref NC_000913.2	+	1914282	1915565	668.8614554	799.8218063	672.9088049	685.0773574	742.4611678	0.040369377	0.128440893	0.0374351
yebT	gi 49175990 ref NC_000913.2	+	1915534	1918167	1220.950925	1223.35425	1029.333299	1007.882437	939.0224075	0.303517552	0.801191608	0.3696785
rsmF	gi 49175990 ref NC_000913.2	+	1918247	1919686	422.1125202	421.7117559	380.8352148	344.4149091	424.9105524	0.137885291	0.276925816	0.1038347
yebV	gi 49175990 ref NC_000913.2	+	1919804	1920040	613.4636404	705.7716979	729.1697079	787.1893758	997.9091359	-0.375209637	0.906283198	0.4362479
yebW	gi 49175990 ref NC_000913.2	+	1920145	1920336	172.1085201	179.5274068	187.8093261	153.7656467	162.7211401	0.067766852	0.109043418	0.0294058
pphA	gi 49175990 ref NC_000913.2	-	1920337	1920993	281.6233407	262.1129213	210.2666382	274.3739358	228.920723	0.194205479	0.398309635	0.1602017
yebY	gi 49175990 ref NC_000913.2	-	1921389	1921730	802.4405694	841.5514147	823.7373256	749.0746476	825.5321082	0.035745222	0.073766254	0.3107681
yebZ	gi 49175990 ref NC_000913.2	-	1921743	1922615	1477.293283	1416.14497	1443.437051	1375.738398	1466.055385	0.025285858	0.033117261	0.0030156
yobA	gi 49175990 ref NC_000913.2	-	1922619	1922993	1015.377153	979.234612	955.63703	1030.313291	1066.668221	-0.028434911	0.043913651	0.0060195
holE	gi 49175990 ref NC_000913.2	+	1923132	1923362	426.2371779	465.4437129	284.0202626	391.2392091	470.6245454	0.191704585	0.468199947	0.1963434
yobB	gi 49175990 ref NC_000913.2	+	1923464	1924120	325.8606545	361.9210024	325.6382024	369.9411589	390.2052506	-0.095612408	0.123949471	0.0368896
exoX	gi 49175990 ref NC_000913.2	+	1924144	1924806	525.0476156	511.93274	466.0080994	493.3052241	514.7809188	0.077262262	0.147334793	0.0441959
ptrB	gi 49175990 ref NC_000913.2	-	1924803	1926863	494.0771236	489.1442446	457.4029088	432.7682125	406.2064863	0.191933215	0.416244386	0.1703178
yebE	gi 49175990 ref NC_000913.2	-	1927072	1927731	364.4650836	390.3993305	457.3378926	456.1695632	369.348776	-0.184302974	0.373618884	0.1468014
yebF	gi 49175990 ref NC_000913.2	-	1928058	1928414	1433.480732	1485.518453	980.9890606	1207.189559	1027.612757	0.435388172	1.415805168	0.7692063
yebG	gi 49175990 ref NC_000913.2	-	1928481	1928771	1780.321177	1959.503834	1129.436177	1839.436156	1797.839572	0.198812878	0.47277044	0.1985574
purT	gi 49175990 ref NC_000913.2	+	1928905	1930083	170.2629084	174.7717291	391.4680074	432.0128938	141.2487368	-0.88528393	2.232753543	1.3794752
eda	gi 49175990 ref NC_000913.2	-	1930139	1930780	894.1558482	879.5136975	929.7408504	726.5412798	553.5572395	0.290242452	0.612691524	0.2710778
edd	gi 49175990 ref NC_000913.2	-	1932628	1932628	585.6425184	567.9691059	988.3047735	768.0879738	649.9075632	-0.453399024	1.399919785	0.7607065
zwf	gi 49175990 ref NC_000913.2	-	1932863	1934338	2886.657968	3007.119614	2904.227024	2638.273468	3173.176491	0.014635646	0.036860185	0.0039338
yebK	gi 49175990 ref NC_000913.2	+	1934676	1935545	869.9520088	913.7379007	1402.713299	1380.298722	1671.097899	-0.746457787	2.917768587	1.9483356
pykA	gi 49175990 ref NC_000913.2	+	1935673	1937115	4464.398619	4352.020832	7154.365988	5668.800423	6589.032662	-0.541723271	1.737371222	1.0087467
lpxM	gi 49175990 ref NC_000913.2	-	1937246	1938217	807.2248364	760.767375	621.3420109	635.8033724	744.5774505	0.235842822	0.564205338	0.2463254
yebA	gi 49175990 ref NC_000913.2	-	1938337	1939659	1607.807503	1587.125017	1721.301535	1855.532114	2058.166217	-0.238230914	0.496396596	0.2105588
znuA	gi 49175990 ref NC_000913.2	-	1939675	1940607	1362.571181	1262.259396	1258.48508	1491.031926	1537.73001	-0.121116083	0.229456827	0.0808909
znuC	gi 49175990 ref NC_000913.2	+	1940686	1941441	305.1279854	329.6146436	430.6559057	394.6450849	354.6855295	-0.31288244	0.776419615	0.3557147
znuB	gi 49175990 ref NC_000913.2	+	1941438	1942223	370.6863523	336.1860755	392.3067442	386.6779196	316.6164282	-0.028151835	0.071162252	0.0170551
ruvB	gi 49175990 ref NC_000913.2	-	1942370	1943380	754.9497259	691.418046	677.5641406	607.7605015	615.904408	0.208181526	0.436454439	0.1781431
ruvA	gi 49175990 ref NC_000913.2	-	1943389	1944000	484.5340367	491.0545546	470.4151293	392.5823663	418.4603516	0.197345777	0.426986355	0.1748163
yebB	gi 49175990 ref NC_000913.2	+	1944275	1944877	81.35859909	81.68082804	76.62401206	83.23806444	137.3010462	-0.296197927	0.522143383	0.2535589
ruvC	gi 49175990 ref NC_000913.2	-	1944879	1945400	945.537615	860.4812144	916.9447977	870.1851633	1034.018596	-0.046988517	0.096657905	0.0259602
yebC	gi 49175990 ref NC_000913.2	-	1945435	1946175	1957.709682	1762.796497	1908.361446	1596.645732	1564.99837	0.163549959	0.264183463	0.0969652
nudB	gi 49175990 ref NC_000913.2	-	1946204	1946656	582.233354	608.8458368	698.0615791	514.8834232	550.9192858	0.026542861	0.031434199	0.0026877
aspS	gi 49175990 ref NC_000913.2	-	1946774	1948546	2943.968181	2650.870159	3687.205055	3040.630595	2708.193853	-0.140564978	0.332929238	0.1312548
yecD	gi 49175990 ref NC_000913.2	+	1948856	1949422	398.3200205	376.0956078	411.0404848	367.8793486	399.3110087	-0.008902833	0.028491222	0.0017411
yecE	gi 49175990 ref NC_000913.2	+	1949419	1950237	158.4172002	154.8058542	227.6456524	198.519826	190.8451918	-0.381920686	1.023678527	0.5114992
yecN	gi 49175990 ref NC_000913.2	+	1950290	1950685	535.6837436	536.6402316	422.212283	442.8690851	467.6577782	0.267377782	0.709288188	0.3176227
cmoA	gi 49175990 ref NC_000913.2	+	1950726	1951469	319.1621527	328.6435757	290.754591	238.8330624	194.4496862	0.435360157	1.166871353	0.5991385
cmoB	gi 49175990 ref NC_000913.2	+	1951466	1952437	479.1794357	440.6706482	424.2156109	376.8342536	397.1158457	0.219996126	0.46226515	0.1939831
torZ	gi 49175990 ref NC_000913.2	-	1952602	1955031	117.5923335	134.9220983	193.5703766	181.6990145	188.4553584	-0.588523144	1.765557245	1.0301247
torY	gi 49175990 ref NC_000913.2	-	1955056	1956156	37.26956285	50.41919341	56.04778799	69.3213511	57.30301864	-0.510998749	1.056006916	0.5279327
cutC	gi 49175990 ref NC_000913.2	-	1956544	1957290	4469.316127	5412.117301	3175.779287	7160.914289	5115.133943	-0.117666282	0.076111232	0.0184999
yecM	gi 49175990 ref NC_000913.2	-	1957304	1957870	254.2124162	258.3515018	225.6880522	220.960232	245.5389295	0.14790457	0.300467398	0.11561
argS	gi 49175990 ref NC_000913.2	+	1958086	1959819	1355.546127	1286.0159	928.8431897	905.9896028	1002.702142	0.487877226	1.63704764	0.9307657
yecT	gi 49175990 ref NC_000913.2	+	1959996	1960484	160.2386648	199.5472857	129.9190351	131.6163427	254.7850495	0.01715124	0.089037176	0.0234389
flhE	gi 49175990 ref NC_000913.2	-	1960604	1960996	461.3553752	444.4908178	469.5028445	383.7722953	512.3629722	0.000415597	0.005788752	0
flhA	gi 49175990 ref NC_000913.2	-	1960996	1963074	1876.244071	1721.013534	1598.48511	1309.839687	1707.031205	0.240858175	0.49296453	0.2089761
flhB	gi 49175990 ref NC_000913.2	-	1963067	1964215	999.7105367	934.5789197	874.517741	711.2736048	1117.812836	0.109262879	0.182346761	0.0582503
cheZ	gi 49175990 ref NC_000913.2	-	1964417	1965061	606.6256497	561.2989373	1680.778098	1680.962401	745.6103638	-0.956339779	3.479178302	2.4170386
cheY	gi 49175990 ref NC_000913.2	-	1965072	1965461	601.1421208	525.1802969	2052.533874	1099.064758	726.6836562	-1.1337921	3.936913169	2.7970192
cheB	gi 49175990 ref NC_000913.2	-	1965476	1966525	478.9699655	388.3760584	1521.137587	927.3827015	587.5478364	-1.154396293	4.46460226	3.2663076
cheR	gi 49175990 ref NC_000913.2	-	1966528	1967388	551.2511305	487.1932856	1459.117138	1129.067051	899.0164999	-1.125475819	5.624158454	4.283757

tap	gi 49175990 ref NC_000913.2	-	1967407	1969008	2171.672389	1927.106973	5504.959062	4861.255301	3994.883076	-1.195046789	6.452453867	5.0068923
tar	gi 49175990 ref NC_000913.2	-	1969054	1970715	2895.199586	2742.076141	6634.283069	6505.807194	4841.851668	-1.07231032	5.094090147	3.8125553
cheW	gi 49175990 ref NC_000913.2	-	1970860	1971363	812.7265129	806.382281	1600.798207	1331.015072	1462.754494	-0.847105371	3.913545012	2.7836375
cheA	gi 49175990 ref NC_000913.2	-	1971384	1973348	3034.038459	2858.90052	5855.573286	5139.426023	5045.701429	-0.843663026	3.647132366	2.5648482
motB	gi 49175990 ref NC_000913.2	-	1973353	1974279	1920.263137	1837.860516	3435.61127	3218.746956	2728.359824	-0.721001929	2.729464563	1.7980685
motA	gi 49175990 ref NC_000913.2	-	1974276	1975163	2499.223197	2603.449575	4156.235524	3962.097656	3586.381166	-0.613585568	2.172290696	1.3287891
flhC	gi 49175990 ref NC_000913.2	-	1975290	1975868	442.3573659	527.2223411	770.4627033	890.2601422	1084.294652	-0.953022341	4.218951296	3.0444026
flhD	gi 49175990 ref NC_000913.2	-	1975871	1976221	220.1597467	222.2556937	262.6606807	318.5639362	446.9094895	-0.649802421	1.932304758	1.1491129
insB	gi 49175990 ref NC_000913.2	-	1976542	1977045	137.7775922	157.7184069	127.3764927	121.1744709	132.298139	0.201631042	0.478934522	0.2015743
insA	gi 49175990 ref NC_000913.2	-	1976964	1977239	118.462984	156.8258487	110.9903437	143.4076495	151.2261647	-0.02302969	0.030462145	0.0022473
uspC	gi 49175990 ref NC_000913.2	+	1977777	1978205	245.1314662	269.7838391	297.247487	316.0534229	283.9140165	-0.229436516	0.468526599	0.1963434
otsA	gi 49175990 ref NC_000913.2	-	1978212	1979636	1851.864754	1902.481701	1357.42094	1674.520139	1145.696531	0.424943824	1.196775052	0.6184937
otsB	gi 49175990 ref NC_000913.2	-	1979611	1980411	1517.11218	1427.533901	1478.19775	1489.570837	798.3374452	0.252379799	0.443749786	0.1821402
araH	gi 49175990 ref NC_000913.2	-	1980578	1981564	113.1923365	129.2207987	157.3429888	161.1912949	105.8940033	-0.231850251	0.423511533	0.1736222
araG	gi 49175990 ref NC_000913.2	-	1981579	1983093	177.211262	181.4193877	218.3264259	252.2676184	285.7746493	-0.5040676	1.423907621	0.7750308
araF	gi 49175990 ref NC_000913.2	-	1983163	1984152	44.95973813	56.09930627	82.84740322	74.81934523	54.17552409	-0.481236219	1.037879607	0.5202286
ftnB	gi 49175990 ref NC_000913.2	+	1984949	1985452	165.9609676	203.3400742	324.7720621	460.4556823	408.2658055	-1.147673033	5.221346463	3.9294954
yecJ	gi 49175990 ref NC_000913.2	-	1985531	1985782	377.507189	431.2708294	285.255652	336.569225	502.9028693	0.072856187	0.184399621	0.0593542
azuC	gi 49175990 ref NC_000913.2	-	1985897	1985983	1014.11606	681.7832995	422.338676	1435.220014	1202.092102	-0.256307849	0.365752083	0.1448265
yecR	gi 49175990 ref NC_000913.2	+	1986246	1986569	841.611545	870.0390043	1128.15629	925.4686074	1577.561841	-0.509916668	1.386454184	0.7197176
ftnA	gi 49175990 ref NC_000913.2	+	1986740	1987237	806.5852247	916.6248245	1980.506558	2476.517407	2666.079687	-1.493441808	8.330008964	6.6885775
yecH	gi 49175990 ref NC_000913.2	-	1987275	1987514	1256.859584	1539.738831	2790.882892	2131.683786	2761.534203	-0.895476519	3.425101102	2.3702811
tyrP	gi 49175990 ref NC_000913.2	+	1987705	1988916	341.4183321	333.3691389	335.6401478	299.5624766	363.255267	0.023770403	0.032198487	0.0030156
yecA	gi 49175990 ref NC_000913.2	-	1988978	1989643	607.1406871	581.2605187	961.6998503	768.0088352	590.5513265	-0.355360875	0.971758038	0.4737779
pgsA	gi 49175990 ref NC_000913.2	-	1990293	1990841	780.7077055	738.9237178	969.0738105	995.73076	1226.828535	-0.484548746	1.476079722	0.8081734
uvrC	gi 49175990 ref NC_000913.2	-	1990898	1992730	1651.222092	1688.771872	1615.553158	1404.96686	1519.949784	0.14399405	0.283487617	0.1073228
uvrY	gi 49175990 ref NC_000913.2	-	1992727	1993383	1127.365124	1195.836922	1236.364465	1147.047132	1227.141872	-0.057438958	0.085718869	0.0221491
yecF	gi 49175990 ref NC_000913.2	+	1993842	1994066	928.5159565	1009.685515	378.2382755	440.8991931	701.3273554	0.903998832	3.935614941	2.7970192
sdiA	gi 49175990 ref NC_000913.2	-	1994134	1994856	1000.678017	1018.202201	668.0556295	734.422855	864.5353835	0.406419489	1.298074164	0.6927928
yecC	gi 49175990 ref NC_000913.2	-	1995086	1995838	434.6270066	448.3210111	497.8297598	492.319763	578.5863747	-0.252030974	0.578328892	0.2535215
yecS	gi 49175990 ref NC_000913.2	-	1995835	1996503	276.8207557	238.3351046	280.8199126	263.4421601	232.4147412	0.019182744	0.005903766	0
dcyD	gi 49175990 ref NC_000913.2	-	1996518	1997504	506.591469	517.6530856	542.0152495	493.2961325	433.2460845	0.07027238	0.119585736	0.034732
fliY	gi 49175990 ref NC_000913.2	-	1997609	1998409	863.1037032	882.3813084	1179.389322	1043.602159	665.8580439	-0.127684722	0.241900687	0.0874402
fliZ	gi 49175990 ref NC_000913.2	-	1998497	1999048	971.0084481	991.6091859	886.8092885	980.9918464	1049.770012	0.003265589	0.023843918	0.0005477
fliA	gi 49175990 ref NC_000913.2	-	1999094	1999813	3114.85111	3464.01109	3359.779984	3439.812179	4140.005888	-0.170202502	0.285675958	1.086502
fliC	gi 49175990 ref NC_000913.2	-	2000134	2001630	14775.67927	14094.22923	27918.30343	28583.54127	27719.2103	-0.953240256	4.161617511	3.0004094
fliD	gi 49175990 ref NC_000913.2	+	2001896	2003302	1805.366908	1754.284334	3439.359956	4223.035883	3489.867207	-1.064232818	5.345160188	4.0384418
fliS	gi 49175990 ref NC_000913.2	+	2003327	2003737	504.6491231	523.3587714	852.0866528	931.59351	907.4667086	-0.812177427	3.737173763	2.6364619
fliT	gi 49175990 ref NC_000913.2	+	2003737	2004102	384.125732	398.9337364	739.6060827	859.8219122	864.7469245	-1.08154226	5.782810236	4.4109419
amyA	gi 49175990 ref NC_000913.2	+	2004180	2005667	886.5768489	873.815774	998.22736	1241.910819	1026.526922	-0.311249828	0.766015657	0.3481108
yedD	gi 49175990 ref NC_000913.2	-	2005701	2006114	643.7334518	617.3540913	585.0953037	591.9419275	573.2548597	0.118208667	0.221617497	0.0773895
yedE	gi 49175990 ref NC_000913.2	+	2006301	2007506	888.7944948	797.7874234	1176.874413	517.648511	816.686325	0.05741628	0.017090866	0
yedF	gi 49175990 ref NC_000913.2	+	2007503	2007736	352.2848825	329.5510458	503.9240743	216.1518332	476.3134491	-0.197093606	0.368776676	0.1454051
yedK	gi 49175990 ref NC_000913.2	+	2007845	2008513	40.56447918	36.05889573	43.33972182	31.57873713	38.13261012	0.046428377	0.023027115	0.0005477
yedL	gi 49175990 ref NC_000913.2	+	2008624	2009103	36.7662312	46.60024526	34.8366668	37.06281598	44.70242465	0.069339791	0.105644569	0.0283572
fliE	gi 49175990 ref NC_000913.2	-	2010724	2011038	539.6407884	513.821541	358.8485507	198.062725	399.9123682	0.739831605	2.365412192	1.4942783
fliF	gi 49175990 ref NC_000913.2	+	2011253	2012911	3795.484989	3753.646421	2887.34392	2314.597916	4001.611879	0.296174409	0.667436147	0.2990682
fliG	gi 49175990 ref NC_000913.2	+	2012904	2013899	2391.61324	2294.721084	1902.446648	1520.700848	2192.591239	0.331216859	0.767604829	0.3491173
fliH	gi 49175990 ref NC_000913.2	+	2013892	2014578	1875.551328	1750.465893	1720.854529	1458.980573	2038.912527	0.068768437	0.100125342	0.0264593
fliI	gi 49175990 ref NC_000913.2	+	2014578	2015951	135.7600941	1473.193084	1435.538731	1189.924304	1678.842586	-0.031265233	0.026089264	0.000968
fliJ	gi 49175990 ref NC_000913.2	+	2015970	2016413	460.3868377	491.0780054	491.4590566	477.8730147	656.8635294	-0.204280683	0.38679288	0.1543669
fliK	gi 49175990 ref NC_000913.2	+	2016410	2017537	1000.156963	985.8935942	1072.033106	855.8888664	1295.127709	-0.111580782	0.199731273	0.0660742
fliL	gi 49175990 ref NC_000913.2	+	2017642	2018106	2905.301672	3284.504713	2972.105571	2171.193496	4094.651148	-0.013165769	0.014043766	0
fliM	gi 49175990 ref NC_000913.2	+	2018111	2019115	1923.641627	1995.543542	2204.251603	1575.656221	2103.090662	0.047047603	0.057919514	0.0110921
fliN	gi 49175990 ref NC_000913.2	+	2019112	2019525	1433.228408	1333.497272	1650.043463	1279.618688	1704.802044	-0.143592281	0.300167109	0.11561
fliO	gi 49175990 ref NC_000913.2	+	2019528	2019893	1234.272628	1211.9469	1241.62173	931.049701	1425.288447	0.033754136	0.04823619	0.0079297
fliP	gi 49175990 ref NC_000913.2	+	2019893	2020630	1048.111949	1242.431263	989.8577756	812.1399526	1214.358597	0.162231199	0.387085841	0.1543669

fliQ	gi 49175990 ref NC_000913.2	+	2020640	2020909	578.9211027	634.512742	517.6301846	436.5230138	647.8863373	0.168919793	0.394126593	0.1571967	
fliR	gi 49175990 ref NC_000913.2	+	2020917	2021702	537.6880394	629.7947652	443.8609507	379.4783074	694.622466	0.174609019	0.393561748	0.1569272	
rcsA	gi 49175990 ref NC_000913.2	+	2021992	2022615	117.1934732	123.4911147	69.61497343	92.84175956	81.89048357	0.546781288	1.75315382	1.0202756	
dsrB	gi 49175990 ref NC_000913.2	-	2022659	2022847	823.7316352	754.1052571	935.4505706	1035.735572	874.017282	0.1254128396	0.636445424	0.284622	
yodD	gi 49175990 ref NC_000913.2	+	2023010	2023237	315.9286697	320.2320561	333.4035533	310.2305611	352.7685296	228.1852204	0.242058556	0.232654962	0.082297
yedP	gi 49175990 ref NC_000913.2	+	2023535	2024350	336.8221355	347.6409251	339.5946464	404.2947024	261.8191	0.026431146	0.048942271	0.0081378	
yedQ	gi 49175990 ref NC_000913.2	-	2024347	2026041	628.6092892	599.3049887	637.9745823	643.4501065	568.8998851	0.002795899	0.005619045	0	
yodC	gi 49175990 ref NC_000913.2	-	2026212	2026394	46.97819079	39.84417471	167.4426014	67.72167391	50.06485664	-1.060579574	2.518017756	1.6199106	
yedI	gi 49175990 ref NC_000913.2	-	2026473	2027390	354.7288863	280.0889716	663.5840462	474.2568533	287.9636041	-0.520219697	1.440486592	0.7838485	
yedA	gi 49175990 ref NC_000913.2	+	2027563	2028483	219.4025588	230.8215506	200.8506494	208.6567038	254.337647	0.011434557	0.03632756	0.0036811	
vsr	gi 49175990 ref NC_000913.2	-	2028472	2028942	173.7810808	157.6255285	174.4823841	132.5610808	155.910052	0.124909636	0.176842588	0.0559818	
dcm	gi 49175990 ref NC_000913.2	-	2028923	2030341	640.802407	575.532519	514.6872836	472.1541142	529.363381	0.283540893	0.667871334	0.2992543	
yedJ	gi 49175990 ref NC_000913.2	-	2030408	2031103	204.9037025	214.6727781	227.6774744	206.304281	186.4095246	0.0221968812	0.034883741	0.0036811	
yedR	gi 49175990 ref NC_000913.2	-	2031143	2031508	89.72089401	84.5082273	50.15643349	59.06570117	29.59589488	0.923931981	3.03099823	2.035981	
hchA	gi 49175990 ref NC_000913.2	+	2033859	2034710	833.2898104	891.9011542	404.4589344	521.1430742	482.33635	0.834477372	4.162690125	3.0004094	
yedV	gi 49175990 ref NC_000913.2	-	2034818	2036176	184.400151	214.7171979	105.4757882	126.0131255	221.669629	0.090077512	0.213968895	0.073582	
yedW	gi 49175990 ref NC_000913.2	-	2036176	2036847	273.4816519	304.9332061	210.1095761	226.5122684	253.3145399	0.309436016	0.845767668	0.3966027	
hiuH	gi 49175990 ref NC_000913.2	+	2036980	2037393	68.95364374	82.69076126	62.89779655	124.2766868	149.721897	-0.618196671	1.217833344	0.6336343	
yedY	gi 49175990 ref NC_000913.2	+	2037502	2038506	365.5463821	340.9479331	434.5727331	477.6959311	573.9817998	-0.487388648	1.49779402	0.8238904	
yedZ	gi 49175990 ref NC_000913.2	+	2038507	2039142	129.8031332	172.0253059	161.000554	163.8316791	203.856414	-0.266522419	0.429926345	0.1762871	
zinT	gi 49175990 ref NC_000913.2	+	2039399	2040049	20.84719547	19.93357614	9.127340923	30.02498277	30.03916038	-0.207116279	0.137124776	0.0413595	
yodB	gi 49175990 ref NC_000913.2	+	2040392	2040922	41.77623677	53.25440264	16.16335955	44.71472759	57.78200106	0.199547033	0.322461113	0.1253431	
mtfA	gi 49175990 ref NC_000913.2	+	2041675	2042472	732.8444239	812.1332935	1716.050055	1994.39896	1964.076844	-1.313634238	7.592339789	6.0198519	
yeeJ	gi 49175990 ref NC_000913.2	+	2042962	2050038	588.326682	656.33668104	580.3977556	630.3127221	695.3104416	-0.075424632	0.085833324	0.0221491	
shiA	gi 49175990 ref NC_000913.2	+	2051667	2052983	599.4758808	589.8213806	575.8748918	589.6977788	576.5972383	0.035917296	0.060303901	0.0118829	
amn	gi 49175990 ref NC_000913.2	+	2053085	2054539	1458.365326	1397.148453	1450.126092	1474.272709	1419.049499	-0.013832066	0.028606218	0.0017411	
yeeN	gi 49175990 ref NC_000913.2	+	2054882	2055598	516.5101829	556.6200114	281.1088282	736.8083254	565.2085783	-0.0217299	0.034574198	0.0035281	
yeeO	gi 49175990 ref NC_000913.2	-	2056227	2057714	81.54774745	97.89129916	110.2635356	78.63878619	72.06700028	0.039934069	0.065234958	0.015023	
cbI	gi 49175990 ref NC_000913.2	-	2057988	2058938	809.3421095	858.6535117	422.1988572	530.5324567	817.9732658	0.468793885	1.374023522	0.7445406	
nac	gi 49175990 ref NC_000913.2	-	2059040	2059957	64.25399291	66.49337701	70.89820696	80.75634108	93.99740941	-0.336672987	0.688065665	0.3088556	
orfK	gi 49175990 ref NC_000913.2	-	2060415	2061347	750.2875468	889.1001776	890.096867	950.5198193	760.8179843	-0.103404772	0.143487262	0.0429098	
cobT	gi 49175990 ref NC_000913.2	-	2061412	2062491	216.0008379	200.3748436	321.4837028	248.7381189	120.8910315	-0.107231493	0.198172582	0.0652279	
cobS	gi 49175990 ref NC_000913.2	-	2062503	2063246	75.45724788	63.57862059	203.9944164	124.5212211	60.30331261	-0.837922147	2.020934804	1.2137941	
cobU	gi 49175990 ref NC_000913.2	-	2063243	2063788	125.7140429	148.2312311	258.2744832	176.2130232	150.7478077	-0.507761606	1.260931068	0.6627124	
insH	gi 49175990 ref NC_000913.2	-	2064329	2065345	722.855831	776.0253472	759.3472276	876.5839177	819.9942561	-0.142992997	0.25329588	0.0923968	
insD	gi 49175990 ref NC_000913.2	-	2066976	2067881	1303.062666	1275.582822	1191.074827	1087.600237	1103.844281	0.200911772	0.442920594	0.1817004	
insC	gi 49175990 ref NC_000913.2	-	2067839	2068204	786.6997224	816.8515748	862.1905653	767.0510556	872.613264	-0.059435938	0.097935866	0.0262976	
flu	gi 49175990 ref NC_000913.2	+	2069563	2072682	627.4677702	577.4432056	604.7620534	6996.161513	502.8380439	-2.212701406	2.862405981	1.9037696	
yeeR	gi 49175990 ref NC_000913.2	+	2072803	2074335	100.9109002	101.6281156	76.91667552	382.2755886	97.31054937	-0.916521095	1.321197316	0.7104134	
yeeS	gi 49175990 ref NC_000913.2	+	2074332	2074778	45.61312045	40.80794577	47.4571879	118.656451	28.75986714	-0.5931603	0.809211261	0.3724304	
yeeT	gi 49175990 ref NC_000913.2	+	2074841	2075062	12.53600794	13.30058662	22.23445368	20.14389342	14.75371061	-0.550098862	0.806957798	0.371975	
yeeU	gi 49175990 ref NC_000913.2	+	2075136	2075504	28.96991269	29.44330231	30.55886751	23.77507791	37.90172537	-0.074399155	0.067712578	0.0160372	
cbtA	gi 49175990 ref NC_000913.2	+	2075593	2075967	134.6562585	191.051309	102.1538688	116.9218243	205.5269832	0.136533884	0.322992292	0.1255384	
yeeX	gi 49175990 ref NC_000913.2	-	2077056	2077385	2617.198903	2743.074891	2668.194778	3890.130744	3999.786565	-0.418534815	0.99782187	0.4910267	
yeeA	gi 49175990 ref NC_000913.2	-	2077557	2078615	418.9475733	419.8134935	465.8007856	504.3808847	449.9330258	-0.176070778	0.370088426	0.1454249	
sbmC	gi 49175990 ref NC_000913.2	-	2078813	2079286	510.8392572	454.9033151	770.8423439	1008.310798	529.0078579	-0.655739659	2.103631109	1.2797579	
dacD	gi 49175990 ref NC_000913.2	-	2079405	2080571	145.5433046	124.36114	174.1806819	134.6913328	130.3295297	-0.083673001	0.184896354	0.0595043	
sbCB	gi 49175990 ref NC_000913.2	+	2080780	2082207	554.0078231	550.8839886	609.0930038	655.7482683	593.5002717	-0.165524077	0.338460836	0.1335511	
yeeD	gi 49175990 ref NC_000913.2	-	2082250	2082477	104.6727934	106.380547	108.9526087	109.9176432	117.7059903	-0.091818948	0.133772413	0.039995	
yeeE	gi 49175990 ref NC_000913.2	-	2082491	2083549	61.3754029	56.00687424	60.7017934	53.9118211	46.22051337	0.099926697	0.126551066	0.0373086	
plaP	gi 49175990 ref NC_000913.2	-	2083728	2085086	785.0868889	751.2763517	450.5440669	406.3205113	699.1678079	0.562926742	1.746605436	1.0163602	
yoel	gi 49175990 ref NC_000913.2	-	2085076	2085138	126.2692468	152.9914159	56.79908829	70.77896765	104.8791499	0.806436977	2.947083193	1.9705614	
yeeY	gi 49175990 ref NC_000913.2	-	2085353	2086282	294.248726	273.5099577	415.8271043	420.1183484	263.0649206	-0.347685159	0.877313369	0.4166181	
yeeZ	gi 49175990 ref NC_000913.2	-	2086328	2087152	1671.378675	1726.76922	1941.532257	1771.348723	1447.404241	-0.012415654	0.022816734	0.0005477	
yoeB	gi 49175990 ref NC_000913.2	-	2087235	2087489	106.1446259	126.3870234	84.24949906	100.8774944	110.8518971	0.204915535	0.477296675	0.2008702	
yefM	gi 49175990 ref NC_000913.2	-	2087486	2087737	244.6281264	258.3681005	152.5297979	207.3839226	249.691186	0.282272361	0.6926404	0.3103556	
hisL	gi 49175990 ref NC_000913.2	+	2088020	2088070	1032.536297	1154.070269	1807.822138	3250.994693	3493.666079	-1.42680717	6.12127853	4.7127612	

hisG	gi 49175990 ref NC_000913.2	+	2088216	2089115	292.0014	248.7782815	407.6748098	339.7719581	299.8050293	-0.334149712	0.937540532	0.4557021
hisD	gi 49175990 ref NC_000913.2	+	2089121	2090425	403.8306963	331.3936931	574.6013962	437.4377392	422.0324273	-0.336397522	0.981454086	0.4794277
hisC	gi 49175990 ref NC_000913.2	+	2090422	2091492	272.131427	208.8449112	387.5080079	285.0000395	285.1499957	-0.357261911	1.040518239	0.5204761
hisB	gi 49175990 ref NC_000913.2	+	2091492	2092559	335.4428734	295.3318982	475.6506967	314.1774426	280.8782898	-0.135969289	0.321741269	0.1253096
hisH	gi 49175990 ref NC_000913.2	+	2092559	2093149	163.3630573	132.8897517	249.7319432	164.9169369	108.3653058	-0.177515104	0.369438957	0.1454051
hisA	gi 49175990 ref NC_000913.2	+	2093149	2093886	208.5134474	188.0159503	363.8700981	223.3949582	192.3316029	-0.346870884	0.833844428	0.3894711
hisF	gi 49175990 ref NC_000913.2	+	2093868	2094644	349.0718671	332.4082838	519.432198	348.908406	303.337237	-0.165175198	0.364634415	0.1440332
hisI	gi 49175990 ref NC_000913.2	+	2094638	2095249	415.17682	414.112533	503.4654953	414.9966772	429.7283043	-0.10653466	0.216791934	0.0750873
cid	gi 49175990 ref NC_000913.2	-	2095345	2096325	3594.130579	3619.731783	2426.556868	3414.756589	3394.13329	0.211107952	0.500027048	0.2131584
ugd	gi 49175990 ref NC_000913.2	-	2096471	2097637	222.2977089	254.6037267	180.2102088	220.9344437	281.0749651	0.03505936	0.110876876	0.0303928
gnd	gi 49175990 ref NC_000913.2	-	2097886	2099292	7793.347214	8073.412846	5501.699476	4896.221279	5484.082782	0.581528406	2.009561859	1.2058274
insH	gi 49175990 ref NC_000913.2	-	2099919	2100935	886.6949276	1015.4009149	891.9154905	997.6965182	940.0311379	-0.011628149	0.021860314	0.0004107
wbbK	gi 49175990 ref NC_000913.2	-	2101415	2102533	342.0635835	404.6916453	183.4466695	411.4456402	215.7860967	0.419186607	1.047927063	0.5225889
wbbJ	gi 49175990 ref NC_000913.2	-	2102518	2103108	281.7578232	306.8224434	151.2451485	329.4391833	130.7905085	0.499070807	1.148272227	0.5879634
wbbl	gi 49175990 ref NC_000913.2	-	2103089	2104081	649.5982844	710.496958	312.5402821	457.9556386	308.7826682	0.895917081	4.282199634	3.103649
rfc	gi 49175990 ref NC_000913.2	-	2104084	2105250	302.5044561	337.2272261	154.9884614	273.8737902	159.6522875	0.674931647	2.250535802	1.3942045
gjf	gi 49175990 ref NC_000913.2	-	2105250	2106353	357.9885608	332.3971809	207.0627238	392.67326	244.8147375	0.284821061	0.608573427	0.2691543
rfbX	gi 49175990 ref NC_000913.2	-	2106361	2107608	597.3396857	631.6465581	392.4223369	512.2142288	528.1123669	0.342342793	0.994992134	0.4899061
rfbC	gi 49175990 ref NC_000913.2	-	2107605	2108162	245.06592	275.4920445	130.6257704	264.12482	247.5984782	0.237405277	0.542095537	0.2332111
rfbA	gi 49175990 ref NC_000913.2	-	2108162	2109043	662.623512	643.0044111	404.7019315	657.5866915	533.9491159	0.281185564	0.688652752	0.3091873
rfbD	gi 49175990 ref NC_000913.2	-	2109101	2110000	718.614333	609.6998245	476.0125179	637.7115742	621.284869	0.209249898	0.4326022	0.1770091
rfbB	gi 49175990 ref NC_000913.2	-	2110000	2111085	852.8579328	910.8964006	487.0631879	744.1381417	731.1137331	0.40226493	1.261577141	0.6674415
galF	gi 49175990 ref NC_000913.2	-	2111458	2112351	3290.466681	3459.23449	2780.72037	2632.538857	2774.019813	0.300638584	0.802619517	0.3702416
wcaM	gi 49175990 ref NC_000913.2	-	2112526	2113920	93.31210429	94.98317953	74.37214933	63.03636432	88.35086338	0.320375327	0.709943045	0.3177757
wcaL	gi 49175990 ref NC_000913.2	-	2113931	2115151	64.02765282	73.17474433	51.73729448	59.22031352	42.84716275	0.404759108	0.939525233	0.4570396
wcaK	gi 49175990 ref NC_000913.2	-	2115148	2116428	27.65057965	42.8467669	31.68362395	27.00408421	30.27441956	0.206382526	0.370859798	0.1454249
wzxC	gi 49175990 ref NC_000913.2	-	2116704	2118182	36.84284518	31.30100719	43.49502875	39.25791662	36.00828069	-0.191582653	0.296539067	0.1143219
wcaJ	gi 49175990 ref NC_000913.2	-	2118184	2119578	22.39746818	27.58296039	23.74518848	21.34061281	21.35159422	0.158333138	0.174443065	0.0547989
cpsG	gi 49175990 ref NC_000913.2	-	2119633	2121003	24.35086107	28.52342981	30.19170474	24.73636033	24.74923154	-0.013538424	0	0
cpsB	gi 49175990 ref NC_000913.2	-	2121108	2122544	19.08939507	16.1153475	21.2587346	20.23082315	22.40171586	-0.255055009	0.317132574	0.1239013
wcal	gi 49175990 ref NC_000913.2	-	2122547	2123770	12.60717335	12.34027344	17.39143372	16.89114423	21.21197307	-0.562624677	0.807386301	0.371975
gmm	gi 49175990 ref NC_000913.2	-	2123767	2124246	10.50030495	13.32264372	14.87451136	10.35856309	26.5252949	-0.55746243	0.640602971	0.2862934
fcl	gi 49175990 ref NC_000913.2	-	2124249	2125214	13.62310243	17.1265954	12.11175025	15.60654887	12.39255144	0.177239742	0.187453022	0.0607696
gmd	gi 49175990 ref NC_000913.2	-	2125217	2126338	24.35086107	28.52342981	24.02004873	24.69372279	26.87099117	0.052304251	0.051629356	0.0088785
wcaE	gi 49175990 ref NC_000913.2	-	2126928	2127674	0.264312492	5.774953884	4.047635428	2.344027438	6.612956764	-0.688307545	0.196150951	0.06437
wcaD	gi 49175990 ref NC_000913.2	-	2127685	2128902	6.019621319	9.534957603	6.667220152	8.866621496	4.595130209	0.176053798	0.14274327	0.0427363
wcaC	gi 49175990 ref NC_000913.2	-	2128877	2130094	16.99970835	17.0929588	10.68398158	11.21356165	11.21921057	0.624046079	0.863379771	0.4075849
wcaB	gi 49175990 ref NC_000913.2	-	2130091	2130579	10.95250556	7.558359327	12.03486949	12.35412431	13.43392104	-0.408544817	0.475143656	0.199683
wcaA	gi 49175990 ref NC_000913.2	-	2130582	2131421	22.45126203	26.62491002	14.73282473	18.93203521	13.56108457	0.618967162	1.108266895	0.5628105
wzc	gi 49175990 ref NC_000913.2	-	2131514	2133676	31.13311903	26.5560152	28.33014871	39.0770589	33.66569604	-0.21484116	0.321064017	0.1253096
wza	gi 49175990 ref NC_000913.2	-	2134128	2135267	8.301873463	6.625485256	8.183037664	14.35962	6.871106068	-0.373761866	0.249373405	0.0909384
yegH	gi 49175990 ref NC_000913.2	+	2135926	2137509	952.4165255	882.3351223	763.2015428	617.8845485	583.5502647	0.509770192	1.651206039	0.9422047
asmA	gi 49175990 ref NC_000913.2	-	2137783	2139636	1371.841698	1343.01948	1418.416513	1439.571169	1482.884993	-0.090581584	0.166297548	0.0525902
dcd	gi 49175990 ref NC_000913.2	-	2139658	2140239	1172.422261	1387.752005	1303.038225	1356.565838	1359.517703	-0.09206441	0.11066125	0.0303055
udk	gi 49175990 ref NC_000913.2	-	2140331	2140972	377.7381276	401.7939826	298.9165245	286.1233661	376.5346948	0.268657039	0.692904061	0.3103556
yegE	gi 49175990 ref NC_000913.2	+	2141290	2144607	1495.638349	1415.188989	1762.944588	1634.704313	1651.24619	-0.197925132	0.446190831	0.1840474
alkA	gi 49175990 ref NC_000913.2	-	2144716	2145564	126.9024362	96.77912772	160.9933671	136.7870254	112.4962195	-0.243694269	0.609774005	0.2692728
yegD	gi 49175990 ref NC_000913.2	+	2145698	2147050	222.7911538	266.971218	206.8792373	192.93832	207.4810386	0.251663953	0.642350452	0.286746
yegI	gi 49175990 ref NC_000913.2	-	2147063	2149009	95.90633513	94.97337317	90.77660286	94.32998261	124.1648336	-0.117548366	0.170408025	0.0536727
yegJ	gi 49175990 ref NC_000913.2	+	2149209	2149670	6.329409299	5.686769701	7.243049486	15.1434457	16.66389811	-1.088296648	1.550451105	0.8653327
yegK	gi 49175990 ref NC_000913.2	-	2149735	2150496	12.53600794	13.30058662	22.70736321	19.23802529	30.06584426	-0.894310568	1.661683181	0.9513929
yegL	gi 49175990 ref NC_000913.2	-	2150493	2151152	20.85563745	46.73257574	41.06152702	35.99799306	42.55497778	-0.321044511	0.319346383	0.1244053
ibsA	gi 49175990 ref NC_000913.2	-	2151373	2151432	240.5603545	343.0356047	431.0726546	521.4363848	681.449469	-0.964739994	3.453220794	2.3935347
ibsB	gi 49175990 ref NC_000913.2	-	2151705	2151761	164.4996337	173.8337208	215.1953748	272.6729448	429.8609277	-0.883280305	2.741789167	1.8030476
mdtA	gi 49175990 ref NC_000913.2	+	2152040	2153287	181.9152909	169.0325313	148.9944064	185.8227843	148.2285315	0.128609017	0.218872428	0.0758256
mdtB	gi 49175990 ref NC_000913.2	+	2153287	2156409	312.013496	342.9198381	302.9387591	363.0288717	316.4106166	-0.018454588	0.00160817	0
mdtC	gi 49175990 ref NC_000913.2	+	2156410	2159487	307.0060172	273.4917019	246.1049702	317.0040758	272.6366055	0.066438158	0.101606913	0.0267012

mdtD	gi 49175990 ref NC_000913.2	+	2159488	2160903	132.8822094	114.868376	80.55409555	120.7817062	105.4037364	0.28100206	0.603543939	0.2674799
baeS	gi 49175990 ref NC_000913.2	+	2160900	2162303	119.4004289	112.0498341	129.806672	134.389919	106.8122119	-0.083879817	0.156466999	0.0487535
baeR	gi 49175990 ref NC_000913.2	+	2162300	2163022	229.9068887	211.7693849	253.8029316	215.2774934	179.8133057	0.053706634	0.046745721	0.0074556
yegP	gi 49175990 ref NC_000913.2	+	2163213	2163545	80.5912522	110.2880827	55.14569415	88.12661138	60.74285859	0.437139755	1.189914219	0.6164224
yegQ	gi 49175990 ref NC_000913.2	+	2163692	2165053	75.662763	747.505098	607.3797898	562.8880184	568.7707417	0.356746803	1.039427462	0.5204761
ogrK	gi 49175990 ref NC_000913.2	-	2165326	2165544	172.700789	147.1535291	91.5135213	86.40821934	93.06374734	0.845554946	3.486559288	2.4231875
yegR	gi 49175990 ref NC_000913.2	-	2166013	2166330	7.102866515	4.7176594	8.257921475	19.72551831	3.637430106	-0.801152162	0.848616112	0.3971622
yegS	gi 49175990 ref NC_000913.2	+	2166736	2167635	415.1164276	421.7193171	289.6241515	284.9498015	356.4027502	0.424062194	1.307597048	0.6998487
insE	gi 49175990 ref NC_000913.2	+	2168260	2168559	80.8582723	76.91361425	78.31094613	80.68747941	76.32995711	0.014693043	0.009843037	0
insF	gi 49175990 ref NC_000913.2	+	2168556	2169422	142.4270428	150.0867087	306.653982	313.9395756	325.2462782	-1.116203691	5.668590302	4.3183907
gatD	gi 49175990 ref NC_000913.2	-	2169857	2170897	2283.621876	2247.242642	10887.32035	10722.26059	6240.94051	-2.018987674	12.49185248	10.484145
gatC	gi 49175990 ref NC_000913.2	-	2170945	2172300	5846.33833	5627.61186	22159.22367	22468.42807	12521.5612	-1.713091126	9.152433544	7.4233327
gatB	gi 49175990 ref NC_000913.2	-	2172304	2172588	2533.703067	2354.543942	6614.153559	6645.800178	4120.781683	-1.223495005	5.80697686	4.4300586
gatA	gi 49175990 ref NC_000913.2	-	2172619	2173071	2509.512493	2475.198552	6783.68664	9068.182671	4901.515007	-1.472366935	7.29774071	5.7533858
gatZ	gi 49175990 ref NC_000913.2	-	2173081	2174343	12990.11398	11823.20677	33054.02147	41680.15536	24535.16016	-1.401818585	6.822558385	5.3265873
gatY	gi 49175990 ref NC_000913.2	-	2174372	2175226	9306.6867	9124.827567	22662.06858	27147.04821	21313.19247	-1.363775383	7.32771439	5.7784978
fabB	gi 49175990 ref NC_000913.2	-	2175534	2176586	960.6686054	877.579555	1023.285845	1033.31716	599.7012207	0.078643289	0.08616475	0.0221491
yegT	gi 49175990 ref NC_000913.2	+	2176843	2178120	76.21696171	60.71228912	82.36214602	77.48939235	91.83838667	-0.266833745	0.609343358	0.2691753
yegU	gi 49175990 ref NC_000913.2	+	2178117	2179121	76.48974896	71.20805682	101.8922476	96.41466797	88.7456478	-0.359762889	0.887323926	0.4234833
yegV	gi 49175990 ref NC_000913.2	+	2179118	2180083	103.5776815	98.75892707	124.3900624	108.865302	114.4479186	-0.184526418	0.374832875	0.1474503
yegW	gi 49175990 ref NC_000913.2	-	2180057	2180803	167.3952084	155.7360829	200.6596183	167.0682493	136.0884184	-0.032269854	0.07774391	0.0190529
yegX	gi 49175990 ref NC_000913.2	-	2180855	2181673	107.8601709	108.2756516	123.9632332	153.4289139	142.4388856	-0.380686438	0.94386777	0.4587835
thiD	gi 49175990 ref NC_000913.2	-	2181738	2182538	131.6628069	112.013315	165.4968699	155.8292747	141.5013487	-0.314404786	0.793232816	0.3645902
thiM	gi 49175990 ref NC_000913.2	-	2182535	2183323	187.018302	210.9043638	170.1602668	157.2202398	216.1196438	0.114885605	0.23910339	0.0858143
rcnR	gi 49175990 ref NC_000913.2	-	2183546	2183818	122.8359055	131.0947708	141.2589593	186.9259972	153.769815	-0.35588384	0.78480529	0.360433
rcnA	gi 49175990 ref NC_000913.2	+	2183939	2184763	44.92356669	57.05462393	53.28803805	62.63587549	52.8157561	-0.171189052	0.18835344	0.0610389
rcnB	gi 49175990 ref NC_000913.2	+	2184982	2185320	578.6120542	696.2947378	399.7292812	391.4636438	487.6454091	0.549518371	2.108108933	1.2830803
yehA	gi 49175990 ref NC_000913.2	-	2185402	2186436	11.11105339	14.27558537	12.48164161	14.70135542	25.47103168	-0.50022159	0.517240674	0.2218965
yehB	gi 49175990 ref NC_000913.2	-	2186452	2188932	40.15483044	44.66541239	55.98520024	68.19725964	55.08521434	-0.508551423	1.141470966	0.5834805
yehC	gi 49175990 ref NC_000913.2	-	2188948	2189667	6.629690701	10.48804508	5.63828741	12.14272808	6.808465226	0.010963245	0	0
yehD	gi 49175990 ref NC_000913.2	-	2189702	2190244	75.0591022	75.03066256	182.7203589	260.886033	224.3434988	-1.580249538	8.694015849	7.0135204
yehE	gi 49175990 ref NC_000913.2	-	2190537	2190818	111.5922386	144.4678173	92.55284416	124.3677929	137.6877717	0.067071748	0.185763884	0.0597732
mrp	gi 49175990 ref NC_000913.2	-	2191081	2192190	2252.498006	2348.900509	3205.626138	2604.543547	2414.255181	-0.245671693	0.544251112	0.2340619
metG	gi 49175990 ref NC_000913.2	+	2192322	2194355	2185.699053	2223.513359	1737.952826	1570.924899	1837.243708	0.360570914	0.952622117	0.4645752
yehI	gi 49175990 ref NC_000913.2	+	2198301	2201933	162.3655601	150.0347221	155.3484469	153.6620805	165.9351054	-0.010101444	0.023151119	0.0005477
yehL	gi 49175990 ref NC_000913.2	+	2202618	2203706	13.68757094	16.1667538	12.32364603	16.78236067	17.86555361	-0.09196723	0.017105954	0
yehM	gi 49175990 ref NC_000913.2	+	2203717	2205996	42.91278387	58.0227282	57.5774747	55.18525673	85.9283081	-0.433800793	0.758242163	0.3450565
yehP	gi 49175990 ref NC_000913.2	+	2205989	2207125	17.36420658	21.88226953	21.39505907	20.28408423	26.77993588	-0.240472675	0.22613245	0.0788232
yehR	gi 49175990 ref NC_000913.2	+	2209247	2209708	43.94941231	48.463332	25.14310375	50.27119758	54.65255001	0.05536597	0.116785613	0.0329224
yehS	gi 49175990 ref NC_000913.2	-	2209748	2210218	658.7083271	663.9178534	553.2801211	532.6385575	576.4915155	0.253911921	0.630308236	0.28237
yehT	gi 49175990 ref NC_000913.2	-	2210265	2210984	197.0053657	150.9108615	219.3906532	163.9454513	182.9112773	-0.07125252	0.189699399	0.0611353
yehU	gi 49175990 ref NC_000913.2	-	2210981	2212666	313.5009238	321.04262	440.1245533	347.8969681	452.9814005	-0.380956025	1.036511758	0.5193573
mlrA	gi 49175990 ref NC_000913.2	+	2212888	2213619	224.7333741	215.5855583	244.1573614	293.334574	196.6990422	-0.147059729	0.743407119	0.3161804
yohO	gi 49175990 ref NC_000913.2	+	2213679	2213786	608.8916144	607.8745222	495.7836962	646.6770547	614.6105668	0.0435052	0.096547516	0.0259602
yehW	gi 49175990 ref NC_000913.2	-	2213767	2214498	961.1608247	913.6908969	776.6617465	945.989346	820.0711966	0.146175302	0.300935454	0.11561
yehX	gi 49175990 ref NC_000913.2	-	2214503	2215429	430.1690836	371.3069818	524.1954015	388.9330084	196.0901998	0.167673115	0.167063335	0.0526132
yehY	gi 49175990 ref NC_000913.2	-	2215422	2216579	470.2534042	444.4821947	454.9439857	391.1304239	247.4328188	0.353785084	0.743407119	0.3161804
osmF	gi 49175990 ref NC_000913.2	-	2216586	2217503	492.112923	497.7022937	530.6403352	428.2968838	332.5152524	0.217179737	0.417040222	0.1708749
bgIX	gi 49175990 ref NC_000913.2	-	2217714	2220011	1067.836257	1004.867997	976.0562617	827.618669	929.8806148	0.199873879	0.407999432	0.1664204
dlid	gi 49175990 ref NC_000913.2	+	2220207	2221922	1600.295772	1552.923637	2695.365581	2566.224031	2166.364292	-0.639916347	2.224545342	1.373408
pbpG	gi 49175990 ref NC_000913.2	-	2221960	2222892	421.5755141	409.3513939	423.2982718	424.9327204	431.8514936	-0.034857331	0.059855737	0.0118829
yohC	gi 49175990 ref NC_000913.2	-	2223066	2223653	92.43586699	103.5664311	160.7153795	149.9616979	80.2906304	-0.408815926	0.850775385	0.3986199
yohD	gi 49175990 ref NC_000913.2	+	2223823	2224401	523.3767813	477.7097083	702.8915104	794.4742119	512.0247047	-0.403647286	1.107168634	0.5620864
yohF	gi 49175990 ref NC_000913.2	-	2224531	2225292	210.528721	172.7825646	192.1162218	231.5406799	122.8696879	0.10092631	0.103849699	0.0277229
yohP	gi 49175990 ref NC_000913.2	+	2227004	2227087	235.0177006	260.2882613	432.6779735	422.7809669	474.3493707	-0.855138566	3.729952227	2.6332554
dusC	gi 49175990 ref NC_000913.2	-	2227460	2228407	192.091456	214.6999928	172.9126339	136.9100858	130.3331483	0.468801698	1.327525245	0.716306
yohJ	gi 49175990 ref NC_000913.2	+	2228646	2229044	262.6354595	248.8233224	340.1627056	262.5931671	288.3554848	-0.19770701	0.451091985	0.1869433

yohK	gi 49175990 ref NC_000913.2	+	2229041	2229736	254.9579114	249.7874622	367.2516417	212.4202724	283.8356516	-0.1662736	0.347192619	0.1372978
cdd	gi 49175990 ref NC_000913.2	+	2229866	2230750	1496.188682	1448.443235	3096.471857	2543.872969	1947.854386	-0.758474037	2.715016015	1.7854371
sanA	gi 49175990 ref NC_000913.2	+	2230900	2231619	206.614317	229.8955354	204.2907542	174.0555463	228.5812402	0.09593528	0.195057926	0.0639399
yeiS	gi 49175990 ref NC_000913.2	+	2231622	2231861	56.67668735	58.89565498	51.92699125	43.98337303	66.98540963	0.083235926	0.125437268	0.037135
preB	gi 49175990 ref NC_000913.2	+	2232055	2232393	122.5363458	115.8516932	672.2477387	751.845452	459.3666741	-2.383388901	18.71841935	16.187686
preA	gi 49175990 ref NC_000913.2	+	2233287	2234522	109.0365007	113.0367072	824.6834331	749.6338244	325.1569098	-2.491785623	14.14805881	11.936084
mgIC	gi 49175990 ref NC_000913.2	-	2234765	2235775	97.07362027	99.73567988	122.5176651	115.737432	165.5930114	-0.460891784	1.155967657	0.5921291
mgIA	gi 49175990 ref NC_000913.2	-	2235791	2237311	165.8169312	171.9263396	122.0337868	150.4193302	224.7681731	0.00368067	0.038681303	0.0042561
mgIB	gi 49175990 ref NC_000913.2	-	2237372	2238370	144.0442261	133.890877	196.1099824	285.5635743	254.5692402	-0.82502876	2.99126399	2.006662
galS	gi 49175990 ref NC_000913.2	-	2238650	2239690	97.33812138	90.20096712	182.101057	210.6131197	188.5148476	-1.040706719	4.744847923	3.5096819
yeiB	gi 49175990 ref NC_000913.2	-	2239832	2240989	384.4217872	364.7000389	331.672789	342.9941379	314.1938478	0.192214545	0.411771113	0.1679059
foleE	gi 49175990 ref NC_000913.2	-	2241006	2241674	1459.561426	1424.701876	1012.718638	1179.251922	1061.219521	0.409680516	1.271533306	0.6657192
yeiG	gi 49175990 ref NC_000913.2	+	2241932	2242768	743.4451637	710.4338501	1192.772381	1236.555893	1161.073163	-0.712988227	2.933601922	1.9621768
cirA	gi 49175990 ref NC_000913.2	-	2242800	2244791	353.2433158	362.8358147	274.8260124	234.6736736	340.5846589	0.331605827	0.85254375	0.3997838
lysP	gi 49175990 ref NC_000913.2	-	2245085	2246554	990.5728141	1010.604966	924.4303704	912.5325696	797.7676694	0.189353491	0.415695236	0.1699565
yeiE	gi 49175990 ref NC_000913.2	-	2246759	2247640	1000.34732	933.628337	1245.223376	1121.185079	1043.408018	-0.215906326	0.533241632	0.2291084
yeiH	gi 49175990 ref NC_000913.2	+	2247739	2248788	213.5430315	238.4455788	216.2400453	220.8166233	206.4834237	0.061057902	0.126909468	0.0373086
nfo	gi 49175990 ref NC_000913.2	+	2248862	2249719	573.704672	548.016147	488.2357008	476.5391943	493.5394494	0.213198451	0.486859532	0.2053306
yeiI	gi 49175990 ref NC_000913.2	+	2249722	2250810	482.7808604	469.1897974	483.6897525	429.4584801	406.2411202	0.125668566	0.225197279	0.0787279
nupX	gi 49175990 ref NC_000913.2	-	2250917	2252167	34.24025841	30.3618681	44.43173845	33.71641944	30.46591476	-0.137165645	0.207492207	0.0702944
rihB	gi 49175990 ref NC_000913.2	-	2252267	2253208	6.430974157	13.37266653	12.22101852	15.65840579	15.66614334	-0.616515229	0.655192172	0.2935851
yeiL	gi 49175990 ref NC_000913.2	+	2253377	2254036	20.66570014	22.80953107	15.1567929	23.44982591	23.46129959	0.048724509	0.070942711	0.0170551
psuT	gi 49175990 ref NC_000913.2	-	2254107	2255357	89.39261728	95.95189644	106.9290733	83.17709286	95.35204916	-0.038062156	0.045665201	0.0069576
psuG	gi 49175990 ref NC_000913.2	-	2255451	2256389	31.19014274	25.59849499	18.73776761	20.18673728	21.27596853	0.517390332	0.879653172	0.4177241
psuK	gi 49175990 ref NC_000913.2	-	2256377	2257318	12.9972439	7.539204589	6.9116666	12.18604611	7.915231371	0.225545725	0.14219247	0.0427363
fruA	gi 49175990 ref NC_000913.2	-	2257741	2259432	862.5247439	603.9168212	1905.834169	1708.218208	744.7215104	-0.913197115	2.953091654	1.974621
fruK	gi 49175990 ref NC_000913.2	-	2259449	2260387	323.3126701	297.2502144	958.6632803	893.0660683	355.5014611	-1.210655978	4.359391386	3.1727228
fruB	gi 49175990 ref NC_000913.2	-	2260387	2261517	400.9074035	371.3380574	1067.378128	1102.883609	724.069927	-1.302108881	7.474830989	5.9141346
setB	gi 49175990 ref NC_000913.2	+	2261885	2263066	238.5267946	235.5437075	260.4222462	266.928375	308.2623801	-0.235557954	0.514600781	0.2209121
yeiW	gi 49175990 ref NC_000913.2	-	2263063	2263317	181.223287	171.8902153	180.9321447	198.4583521	217.4412034	-0.171412668	0.319454427	0.1244053
yeiP	gi 49175990 ref NC_000913.2	+	2263472	2264044	314.2456831	310.5790458	265.9126893	250.3316422	368.5206701	0.077613364	0.142312715	0.0427363
yeiQ	gi 49175990 ref NC_000913.2	+	2264267	2265733	290.4333415	332.4899182	395.4008066	447.0648564	345.7717849	-0.365343722	0.892966342	0.4276261
yeiR	gi 49175990 ref NC_000913.2	+	2265851	2266837	576.1219273	567.9766445	333.2116393	318.5693332	380.0512583	0.733613725	3.191314892	2.1679878
lpxT	gi 49175990 ref NC_000913.2	+	2266876	2267589	487.8165889	475.8401471	266.2331661	290.5535582	390.9785233	0.600765544	2.123834246	1.2956752
spr	gi 49175990 ref NC_000913.2	+	2268001	2268567	407.7265795	4359.664374	3520.966307	3768.474017	5707.73324	-0.062664121	0.052460421	0.0090435
rtn	gi 49175990 ref NC_000913.2	+	2268748	2270304	655.2930492	713.3441767	623.0092045	694.0603096	824.1290934	-0.082367036	0.100849812	0.0266333
yeiA	gi 49175990 ref NC_000913.2	+	2270386	2272200	596.9319987	590.7738968	651.469573	683.8050559	626.0319908	-0.137390487	0.27715563	0.1038347
yeiB	gi 49175990 ref NC_000913.2	+	2272201	2273295	334.8842832	350.4965915	291.8597033	269.227743	307.2356911	0.238048188	0.569833511	0.2490619
yeiE	gi 49175990 ref NC_000913.2	+	2273295	2274320	343.3859816	327.6601493	319.3890478	308.2622233	270.5458281	0.175813057	0.342490179	0.1341942
yeiF	gi 49175990 ref NC_000913.2	+	2274322	2275911	1321.358806	1294.579451	1304.408494	1445.003638	1303.545717	-0.046389531	0.075570843	0.0183319
yeiG	gi 49175990 ref NC_000913.2	-	2275915	2276259	1225.170465	1299.366389	1980.735977	2260.983675	1616.816738	-0.636872549	2.069094187	1.2518049
bcr	gi 49175990 ref NC_000913.2	-	2276592	2277782	1350.591354	1495.048392	1027.401047	1101.008036	1224.721083	0.327364394	0.956791941	0.4664353
rsuA	gi 49175990 ref NC_000913.2	-	2277810	2278505	1072.745336	1050.477655	769.5287405	735.5797639	804.1917654	0.466749545	1.527640764	0.8476199
yeiH	gi 49175990 ref NC_000913.2	+	2278654	2280414	457.7184851	421.6753204	469.5273304	444.0447282	457.6746296	-0.04237468	0.093437838	0.024853
rplY	gi 49175990 ref NC_000913.2	+	2280539	2280823	5677.393829	5222.02038	3342.346402	4224.667601	6213.544557	0.23756515	0.481809423	0.2027145
yeiJ	gi 49175990 ref NC_000913.2	-	2280962	2281969	648.7455761	628.756678	537.3490835	500.1902681	574.1843179	0.25417231	0.604886988	0.2677516
yeiL	gi 49175990 ref NC_000913.2	+	2282151	2282378	996.8498661	926.7563	709.3099618	792.7396333	964.2998957	0.284838728	0.755245531	0.3439111
yeiM	gi 49175990 ref NC_000913.2	+	2282398	2284158	2015.345897	2040.197319	1625.556864	1656.008505	1838.351016	0.243316449	0.564229041	0.2463254
insH	gi 49175990 ref NC_000913.2	-	2287087	2288103	857.2394301	925.1485397	902.5581202	1018.988302	956.8556813	-0.121887586	0.196381615	0.0644562
narP	gi 49175990 ref NC_000913.2	+	2288522	2289169	276.8670915	286.8543599	315.6195229	243.3504753	191.1630662	0.187218668	0.324702415	0.1265159
ccmH	gi 49175990 ref NC_000913.2	-	2289380	2290432	452.6481308	419.778674	1236.717713	1066.176241	838.3840582	-1.238571361	7.169816356	5.6426873
ccmG	gi 49175990 ref NC_000913.2	-	2290429	2290986	307.0060172	273.4917019	824.5002498	765.6573181	615.0766661	-1.315196767	8.247174354	6.6149835
ccmF	gi 49175990 ref NC_000913.2	-	2290983	2292926	686.9128832	608.7697172	1862.495374	1561.661389	1062.923058	-1.170933109	5.808355858	4.4300586
ccmE	gi 49175990 ref NC_000913.2	-	2292923	2293402	611.6790858	565.0974637	1338.617124	991.3167758	960.4924621	-0.870108101	3.888562942	2.7656595
ccmD	gi 49175990 ref NC_000913.2	-	2293399	2293608	263.8407225	254.5298804	676.6022515	523.6969917	456.9255155	-1.06934842	5.28848605	3.9903255
ccmC	gi 49175990 ref NC_000913.2	-	2293605	2294342	538.8766429	533.7856211	1367.062303	824.4796633	884.2424369	-0.907404268	3.881364318	2.7600006
ccmB	gi 49175990 ref NC_000913.2	-	2294384	2295046	297.2745116	287.7745777	692.784454	482.478934	582.2030233	-0.983160951	4.853958025	3.5974284

ccmA	gi 49175990 ref NC_000913.2	-	2295043	2295666	783.4175048	844.4138118	1946.407856	1150.941408	1788.944023	-0.996154895	4.145241507	2.9855762
napC	gi 49175990 ref NC_000913.2	-	2295679	2296281	780.56397	770.2869093	2066.542723	1050.144305	1708.265128	-1.02819381	4.168621499	3.0043113
napB	gi 49175990 ref NC_000913.2	-	2296291	2296740	596.6848644	635.4491258	1564.299314	600.7692689	1191.140792	-0.838435556	2.477692611	1.5846159
napH	gi 49175990 ref NC_000913.2	-	2296737	2297600	1220.86253	1254.710149	3224.75406	998.924627	2319.605932	-0.783428355	1.899068165	1.1235745
napG	gi 49175990 ref NC_000913.2	-	2297587	2298282	716.6851862	614.4535634	2034.893203	580.7046958	1097.320557	-0.822706206	2.138555068	1.3067919
napA	gi 49175990 ref NC_000913.2	-	2298289	2300775	4149.159961	3760.253152	6552.296408	1612.34719	5324.435488	-0.134772319	0.215398322	0.0745623
napD	gi 49175990 ref NC_000913.2	-	2300772	2301035	500.4299684	489.1384176	605.7431312	139.197181	908.1822611	-0.144756504	0.145728734	0.043805
napF	gi 49175990 ref NC_000913.2	-	2301025	2301519	1033.287192	1115.111113	1304.364817	486.7923241	3442.342964	-0.729804577	0.948141504	0.4620781
eco	gi 49175990 ref NC_000913.2	+	2301927	2302415	1327.971807	1429.497835	1258.489196	1060.784534	1126.275206	0.260399896	0.646240469	0.2889364
mgo	gi 49175990 ref NC_000913.2	-	2303130	2304776	436.7224463	350.3797831	270.3194564	316.7689035	174.4789431	0.667191639	1.949399266	1.1616638
yojI	gi 49175990 ref NC_000913.2	-	2304994	2306637	458.5977573	392.1984886	183.3385086	190.6145827	200.7064687	1.169347336	6.729260357	5.2496797
alkB	gi 49175990 ref NC_000913.2	-	2306713	2307363	99.82205236	73.02704156	137.5549667	75.51859563	87.70800066	-0.15128661	0.359309023	0.1424431
ada	gi 49175990 ref NC_000913.2	-	2307363	2308427	330.1608685	312.459656	356.852936	358.7413822	343.3186791	-0.127021342	0.268006161	0.098686
apbE	gi 49175990 ref NC_000913.2	-	2308501	2309556	391.1099644	400.827376	332.6944303	274.9443399	334.1493607	0.336028356	0.90720137	0.4368512
ompC	gi 49175990 ref NC_000913.2	-	2309668	2310771	63112.38966	70358.30377	75729.93686	88769.80218	83931.48518	-0.333936691	0.708310832	0.3175779
rcsD	gi 49175990 ref NC_000913.2	+	2311510	2314182	2911.83635	3086.912341	2971.654579	2900.382368	2725.9374	0.060048048	0.120774189	0.035482
rcsB	gi 49175990 ref NC_000913.2	+	2314199	2314849	1764.623144	1965.6549	1717.066439	1827.429649	1831.750325	0.180236345	0.05452062	0.0097454
rcsC	gi 49175990 ref NC_000913.2	-	2315049	2317898	1552.174562	1578.590999	1219.270138	1148.188457	1280.906874	0.362025113	1.043734897	0.5210963
atoS	gi 49175990 ref NC_000913.2	+	2318065	2319891	188.1321456	180.4429033	221.2145497	295.7870627	290.3758088	-0.553406279	1.661300595	0.9513929
atoC	gi 49175990 ref NC_000913.2	+	2319888	2321273	133.2811135	125.3474303	152.7388729	183.5524762	134.8784185	-0.274018211	0.597400592	0.2647326
atoD	gi 49175990 ref NC_000913.2	+	2321469	2322131	18.89251215	18.99262747	19.90917078	21.25085606	18.02357286	-0.055744772	0.01476176	0
atoA	gi 49175990 ref NC_000913.2	+	2322131	2322781	6.246990994	6.648742113	5.357235097	7.738739117	3.471079833	0.220508297	0.070320283	0.0170551
atoB	gi 49175990 ref NC_000913.2	+	2322778	2324100	20.30269746	18.02173311	26.23211857	17.0353077	25.70398667	-0.240472675	0.311020209	0.1212266
atoE	gi 49175990 ref NC_000913.2	+	2324131	2325315	27.24473276	37.11183355	39.47021637	33.69082076	32.61996555	-0.156262795	0.165066991	0.0519869
yfaP	gi 49175990 ref NC_000913.2	-	2325389	2326165	79.68197057	73.10262191	86.10853791	125.4504748	138.7678056	-0.618874583	1.77028185	1.0325237
yfaQ	gi 49175990 ref NC_000913.2	-	2326170	2327819	80.23836121	75.96227254	61.1890673	59.51804053	69.41766027	0.30612669	0.641850367	0.286746
yfaT	gi 49175990 ref NC_000913.2	-	2332358	2332981	21.00636406	28.55310443	16.94467234	26.6594507	0.270366598	0.41144496	0.1678377	
yfaA	gi 49175990 ref NC_000913.2	-	2332978	2334666	90.58859331	99.70606018	96.86549231	78.78662755	114.1143446	-0.032626449	0.023991311	0.0005477
gyrA	gi 49175990 ref NC_000913.2	-	2334815	2337442	6196.947479	6357.098222	5707.158822	5063.220626	5266.586307	0.233314241	0.522148366	0.2235589
ubiG	gi 49175990 ref NC_000913.2	+	2337589	2338311	842.0596421	764.5493751	764.4912299	762.4945669	874.750227	0.015173643	0.010311658	0
yfaL	gi 49175990 ref NC_000913.2	-	2338439	2342191	442.5449793	411.2313148	461.3747582	451.7486832	392.8252636	-0.013414288	0.040386754	0.0045376
nrda	gi 49175990 ref NC_000913.2	+	2342887	2345172	3765.810737	3742.25101	2154.938755	2458.483294	2194.19876	0.723225029	3.084469235	2.0841492
nrdb	gi 49175990 ref NC_000913.2	+	2345406	2346536	1104.55434	1204.398464	951.4580163	998.9029357	985.9976345	0.22362037	0.577386949	0.2530904
yfaE	gi 49175990 ref NC_000913.2	+	2346536	2346790	298.4146477	300.1387926	235.0389011	241.0739332	253.4358156	0.296288758	0.776562157	0.3557147
inaA	gi 49175990 ref NC_000913.2	-	2346844	2347494	627.3951487	589.8004478	546.6539066	541.549402	556.3571728	0.159361695	0.316328262	0.1237082
glpQ	gi 49175990 ref NC_000913.2	-	2347957	2349033	4655.581897	4551.482687	14502.90091	11821.53245	12057.66445	-1.460855415	8.776988859	7.0755595
glpT	gi 49175990 ref NC_000913.2	-	2349038	2350396	5633.854575	5182.128303	19347.1395	16794.90379	17753.72291	-1.713915253	11.55081286	9.6569018
glpA	gi 49175990 ref NC_000913.2	+	2350669	2352297	5710.305453	5109.929486	17559.00333	13605.20024	11549.81555	-1.361626451	7.263839777	5.7331066
glpB	gi 49175990 ref NC_000913.2	+	2352287	2353546	5678.843492	4959.847724	15542.23598	11688.07052	9919.957934	-1.179509511	5.668832445	4.3183907
glpC	gi 49175990 ref NC_000913.2	+	2353543	2354733	4214.844653	3756.445961	10129.2784	8000.53558	6285.60093	-0.994121931	4.21815436	3.0444026
yfaD	gi 49175990 ref NC_000913.2	+	2354926	2355825	123.5223311	129.1873147	195.0172329	205.0624687	180.7383068	-0.62017634	1.992994693	1.1939846
ypaA	gi 49175990 ref NC_000913.2	+	2355838	2356023	79.52591916	77.87315641	69.70844712	79.68989882	101.7348338	-0.096935864	0.12859712	0.0374598
rhmA	gi 49175990 ref NC_000913.2	-	2356064	2356867	56.60491429	60.8055969	48.0025192	45.01093207	60.33877983	0.188062809	0.334919041	0.1322052
rhmT	gi 49175990 ref NC_000913.2	-	2356885	2358174	27.02240427	28.50141188	46.94740175	32.65057138	31.57787648	-0.404127747	0.681465209	0.3053082
rhmD	gi 49175990 ref NC_000913.2	-	2358231	2359436	32.09199956	33.24730686	63.53916205	64.93844246	54.00925383	-0.894571012	2.898352031	1.9331534
rhmR	gi 49175990 ref NC_000913.2	-	2359451	2360233	23.6303002	29.48697642	47.51526816	41.55627044	42.66926543	-0.73977877	1.790201427	1.0459831
yfaY	gi 49175990 ref NC_000913.2	-	2360453	2361655	699.0549566	712.3633965	823.233144	750.0255811	647.5262074	-0.062986433	0.120384545	0.0352556
yfaZ	gi 49175990 ref NC_000913.2	-	2361755	2362297	55.84503418	63.67379158	68.10960393	63.68873852	33.0359209	0.12064871	0.16368217	0.0518508
nudI	gi 49175990 ref NC_000913.2	+	2362576	2363001	74.99743685	76.93896403	84.24955484	88.74794076	122.9727616	-0.389012762	0.847580353	0.3971622
ais	gi 49175990 ref NC_000913.2	-	2363040	2363642	6.141898866	18.17716224	9.956943686	12.33463606	17.69219546	-0.102488971	0	0
arnB	gi 49175990 ref NC_000913.2	+	2363950	2365089	136.5958683	152.0079789	109.2017213	137.628436	110.0719478	0.259031446	0.62455875	0.2789898
arnC	gi 49175990 ref NC_000913.2	+	2365093	2366061	98.07042139	87.33784338	83.37827326	79.59918528	74.13996044	0.248208104	0.46077842	0.1934841
arnA	gi 49175990 ref NC_000913.2	+	2366061	2368043	243.4799047	247.9043315	231.460191	285.6931378	261.3604207	-0.089054948	0.129024345	0.0376665
arnD	gi 49175990 ref NC_000913.2	+	2368040	2368930	98.21532801	82.56509408	65.94291185	99.50806721	88.55662619	0.101178163	0.145919611	0.0438611
arnT	gi 49175990 ref NC_000913.2	+	2368930	2370582	114.9383695	174.929756	144.7269091	141.3488258	155.8224069	-0.079302528	0.023690149	0.0005477
arnE	gi 49175990 ref NC_000913.2	+	2370579	2370914	37.83620493	72.3788956	44.63419526	81.27258897	48.47388413	-0.166377349	0.073720807	0.0175681
arnF	gi 49175990 ref NC_000913.2	+	2370914	2371300	139.9448793	145.3317723	160.0207561	202.7986623	205.1236351	-0.423890318	1.036200361	0.5193573

pnrD	gi 49175990 ref NC_000913.2	-	2371294	2371560	361.6175611	352.3644056	461.3495366	540.4504783	655.7999082	-0.638807481	2.261565079	1.4041677
menE	gi 49175990 ref NC_000913.2	-	2371670	2373025	889.5857707	762.6234519	1178.092613	822.1363353	896.4362917	-0.186255023	0.471901027	0.1985574
menC	gi 49175990 ref NC_000913.2	-	2373022	2373984	1521.012597	1385.726989	1932.725771	1244.901544	1431.498527	-0.046668043	0.125257755	0.037135
menB	gi 49175990 ref NC_000913.2	-	2373984	2374841	1067.118042	1029.574808	1364.547886	794.2926782	960.3859923	0.041281985	0.020380896	0
menH	gi 49175990 ref NC_000913.2	-	2374856	2375614	412.5277437	427.4271221	628.4700208	628.2577496	470.0993517	-0.202483964	0.035959319	0.1778877
menD	gi 49175990 ref NC_000913.2	-	2375611	2377281	947.2098241	918.4492369	1298.157423	1018.286047	1171.083261	-0.304045725	0.805950004	0.3714324
menF	gi 49175990 ref NC_000913.2	-	2377370	2378665	1308.129538	1273.680648	1246.745287	1082.085659	1184.534798	0.149343361	0.294334459	0.113293
elaB	gi 49175990 ref NC_000913.2	-	2378744	2379049	2998.110292	3339.586526	3440.087055	3421.705632	3244.151245	-0.102211209	0.156585567	0.0487535
elaA	gi 49175990 ref NC_000913.2	-	2379104	2379565	224.321225	200.3591845	237.0086255	278.5841016	135.3115851	-0.009393085	0.032390486	0.0030156
rbn	gi 49175990 ref NC_000913.2	+	2379630	2380547	259.5781075	291.6389346	227.1572769	231.0306388	257.8441244	0.188200537	0.449699995	0.1859429
elaD	gi 49175990 ref NC_000913.2	+	2380735	2381946	14.7931162	10.40041227	4.60815537	14.39962061	12.26931749	0.274285702	0.216984566	0.0750873
yfbK	gi 49175990 ref NC_000913.2	-	2382017	2383744	145.4784275	127.2191419	170.7794066	225.2023163	229.7623621	-0.608577162	1.909430895	1.1320254
yfbL	gi 49175990 ref NC_000913.2	+	2383882	2384853	12.68048512	11.37993701	11.7818164	9.035194688	10.1130619	0.241442148	0.154741081	0.0487535
yfbM	gi 49175990 ref NC_000913.2	+	2384956	2385459	22.92548844	18.95800729	28.82813787	50.22586619	46.98366715	-1.000276323	2.678894638	1.7539132
yfbN	gi 49175990 ref NC_000913.2	-	2385732	2386448	5.911004058	2.810376305	6.47702521	3.453364355	5.595077156	-0.168134034	0.007918306	0
yfbO	gi 49175990 ref NC_000913.2	+	2386657	2387079	16.07164819	11.34800768	12.3886928	17.89006118	18.97416526	-0.237380675	0.246921011	0.0903249
yfbP	gi 49175990 ref NC_000913.2	+	2387138	2387986	162.5725972	173.8385222	179.738324	217.3761817	213.046013	-0.29082714	0.592609391	0.2622281
nuoN	gi 49175990 ref NC_000913.2	-	2388070	2389527	3481.404433	3293.916217	5626.934037	4947.56756	3945.569253	-0.493987426	1.506616657	0.8296831
nuoM	gi 49175990 ref NC_000913.2	-	2389534	2391063	3208.192617	3025.117891	5412.766863	4315.307878	3292.841278	-0.449914948	1.276720283	0.678799
nuoL	gi 49175990 ref NC_000913.2	-	2391227	2393068	3593.272752	3233.104285	7026.705746	4967.911946	3659.768815	-0.569901421	1.680852532	0.9663607
nuoK	gi 49175990 ref NC_000913.2	-	2393065	2393367	614.1375553	578.4035817	1533.382114	1012.48648	608.8649571	-0.774352644	2.366373057	1.494446
nuoJ	gi 49175990 ref NC_000913.2	-	2393364	2393918	1358.045548	1297.416938	3090.134659	2221.021075	1423.157902	-0.721491971	2.151509358	1.3182961
nuoI	gi 49175990 ref NC_000913.2	-	2393930	2394472	981.5144196	890.8739133	2114.038018	1531.585218	1142.556585	-0.730487883	2.57868374	1.6659987
nuoH	gi 49175990 ref NC_000913.2	-	2394487	2395464	2303.564304	2037.283501	4108.087119	2970.021663	2236.245967	-0.473530613	1.30838469	0.6998487
nuoG	gi 49175990 ref NC_000913.2	-	2395461	2398187	7075.014321	6596.404423	10455.57841	8075.683406	6452.73401	-0.254641913	0.580720059	0.2552364
nuoF	gi 49175990 ref NC_000913.2	-	2398240	2399577	3308.785627	2899.70797	5316.413744	3544.149049	2793.751704	-0.275623048	0.666001128	0.2983796
nuoE	gi 49175990 ref NC_000913.2	-	2399574	2400074	2353.790432	1874.817289	3810.753074	2586.689314	2101.592306	-0.362729671	0.958635952	0.4666554
nuoC	gi 49175990 ref NC_000913.2	-	2400077	2401867	5562.903759	4643.539173	8803.843549	6635.076121	5683.153916	-0.418715445	1.192462962	0.6167758
nuoB	gi 49175990 ref NC_000913.2	-	2401973	2402635	2917.539626	3071.711989	4567.124956	3943.139478	3658.211621	-0.435313554	1.248034025	0.655153
nuoA	gi 49175990 ref NC_000913.2	-	2402651	2403094	2418.312822	2623.41538	3556.484583	3383.566765	2970.594213	-0.395895193	1.071329264	0.5380553
lrhA	gi 49175990 ref NC_000913.2	-	2403725	2404663	827.4944237	762.6566631	1130.52668	1652.341048	1719.284461	-0.923818983	3.902491382	2.7754506
alaA	gi 49175990 ref NC_000913.2	+	2405583	2406800	770.2859308	801.6556589	752.1803156	727.6701361	740.3536834	0.082448021	0.17332096	0.0547682
yfbR	gi 49175990 ref NC_000913.2	+	2406884	2407483	201.273406	247.0346321	325.8267979	288.1977142	273.8665153	-0.420918397	1.090485731	0.5531888
yfbS	gi 49175990 ref NC_000913.2	-	2407542	2409374	1013.015868	1118.921497	3269.499411	3009.045157	2323.549924	-1.430780009	7.889284916	6.2879707
yfbT	gi 49175990 ref NC_000913.2	-	2409461	2410111	1352.158856	1370.5806	1988.720205	1608.888008	1306.156621	-0.248903715	0.564030835	0.2440999
yfbU	gi 49175990 ref NC_000913.2	-	2410122	2410616	1872.400655	2088.684824	2256.483864	1990.215338	2215.368121	-0.133211221	0.216654424	0.0750873
yfbV	gi 49175990 ref NC_000913.2	-	2410699	2411154	530.4239697	566.1136807	630.3685773	615.623352	693.0783687	-0.248377706	0.552479591	0.2392304
ackA	gi 49175990 ref NC_000913.2	+	2411492	2412694	4253.93586	4561.975731	6536.380215	5500.584105	6382.582991	-0.483153626	1.396853558	0.7596047
pta	gi 49175990 ref NC_000913.2	+	2412769	2414913	3549.705498	3218.860809	5189.538034	3975.94865	5009.531149	-0.459641257	1.391084378	0.7552209
yfcC	gi 49175990 ref NC_000913.2	+	2415103	2416623	369.8947652	352.3543634	561.7747241	481.4535704	813.6559631	-0.7773698	2.822239681	1.8684235
yfcD	gi 49175990 ref NC_000913.2	-	2416656	2417198	654.195955	678.1781541	471.2895651	476.5759219	536.0130214	0.420952556	1.407812675	0.7645093
yfcE	gi 49175990 ref NC_000913.2	-	2417256	2417810	711.6594494	728.5123339	545.7078946	618.7540903	591.1417096	0.290818724	0.801924973	0.3701238
yfcF	gi 49175990 ref NC_000913.2	-	2417863	2418507	278.6675125	297.3152196	249.3952864	268.9006354	222.3128533	0.214212572	0.5023701	0.2138914
yfcG	gi 49175990 ref NC_000913.2	+	2418643	2419290	205.114433	247.0265301	161.5753658	169.0910448	125.9570711	0.54972772	1.804872942	1.0564929
folX	gi 49175990 ref NC_000913.2	+	2419347	2419709	540.9794349	607.9295733	464.4397891	437.402167	505.7397101	0.274789251	0.766356107	0.3481721
yfcH	gi 49175990 ref NC_000913.2	+	2419730	2420623	1245.179552	1161.582707	1418.697683	1496.770648	1639.798112	-0.330574132	0.873729687	0.4140035
yfcI	gi 49175990 ref NC_000913.2	-	2420671	2421561	155.6065629	134.8134315	149.0049997	162.5632141	172.6244398	-0.139018154	0.275163558	0.1029688
hisP	gi 49175990 ref NC_000913.2	-	2421758	2422531	77.57267956	77.88156375	56.70933587	59.22430411	38.4668047	0.600163263	1.602110283	0.8996072
hisM	gi 49175990 ref NC_000913.2	-	2422539	2423255	74.22430215	61.67513962	58.99124728	46.04851859	41.69760792	0.50840294	1.103155478	0.5588208
hisQ	gi 49175990 ref NC_000913.2	-	2423252	2423938	65.98762679	73.16494456	59.78531864	55.07496931	67.15921312	0.184708679	0.3676459	0.145076
hisJ	gi 49175990 ref NC_000913.2	-	2424028	2424810	237.7269713	247.9146041	171.1826898	171.544094	171.6333679	0.496280932	1.560041972	0.8723338
argT	gi 49175990 ref NC_000913.2	-	2425031	2425813	121.0595252	155.8650208	87.95160007	104.1314267	95.36654704	0.492600256	1.574841471	0.8819071
ubiX	gi 49175990 ref NC_000913.2	-	2426079	2426648	235.0985694	253.6281223	211.5220659	272.1294028	223.3412201	0.034669481	0.087153674	0.0222447
purF	gi 49175990 ref NC_000913.2	-	2426743	2428260	663.8971329	642.0532029	1249.632253	1316.637238	467.7229594	-0.608263572	1.391973913	0.7554754
cvpA	gi 49175990 ref NC_000913.2	-	2428297	2428785	847.3476534	1038.237161	1467.673061	1734.634976	581.0292726	-0.43627061	0.752457201	0.3417493
dedD	gi 49175990 ref NC_000913.2	-	2429044	2429706	772.3802374	757.936736	896.4093235	796.1167241	801.0097293	-0.11061637	0.235256016	0.0836772
folC	gi 49175990 ref NC_000913.2	-	2429696	2430964	809.7252051	768.369037	911.8314595	703.2030305	747.1989009	0.022627733	0.007096313	0

accD	gi 49175990 ref NC_000913.2	-	2431034	2431948	3526.629052	3536.146213	2982.60879	2930.760644	3190.100595	0.217079	0.505959459	0.215207
dedA	gi 49175990 ref NC_000913.2	-	2432104	2432763	520.5092886	526.1964701	569.0027521	579.5288077	506.0918242	-0.074719567	0.131486146	0.0394194
truA	gi 49175990 ref NC_000913.2	-	2432846	2433658	655.7754803	619.2465942	797.3508178	849.6732173	730.4335686	-0.305300833	0.843054419	0.3956627
usg	gi 49175990 ref NC_000913.2	-	2433658	2434671	906.4903585	807.2818876	886.9856282	790.459745	740.5354271	0.112469224	0.171769756	0.0540684
pdxB	gi 49175990 ref NC_000913.2	-	2434737	2435873	1489.578549	1571.009995	1500.468419	1436.264638	1505.338624	0.040945241	0.083890881	0.021045
flk	gi 49175990 ref NC_000913.2	+	2435972	2436967	521.3261677	498.626645	423.8278408	488.7466233	500.1668336	0.113745737	0.230257443	0.0812973
yfcJ	gi 49175990 ref NC_000913.2	-	2436964	2438142	230.176471	238.4134911	187.3606598	174.0152079	230.7457093	0.239111926	0.533243526	0.2291084
fabB	gi 49175990 ref NC_000913.2	-	2438407	2439627	4486.374745	4508.754546	5482.246149	4556.397255	3971.291441	-0.041347252	0.083651867	0.021045
mnmC	gi 49175990 ref NC_000913.2	+	2439786	2441792	546.0347891	507.161607	470.6023704	408.2600334	440.8465263	0.275160488	0.661997347	0.2976012
yfcL	gi 49175990 ref NC_000913.2	-	2441913	2442191	351.7311847	390.4154026	266.1013973	308.3163512	346.3519814	0.249547898	0.667995192	0.2992543
yfcM	gi 49175990 ref NC_000913.2	-	2442225	2442773	525.1497359	496.7219698	456.0012227	369.1461482	451.9333899	0.276533981	0.652693943	0.2919779
yfcA	gi 49175990 ref NC_000913.2	-	2442773	2443582	506.0312266	506.2456288	461.7014776	413.9248693	503.457598	0.139220591	0.289456201	0.1110664
mepA	gi 49175990 ref NC_000913.2	-	2443582	2444406	378.0310621	367.5603864	347.2465314	300.6348741	328.6572335	0.204614933	0.439459277	0.1801805
aroC	gi 49175990 ref NC_000913.2	-	2444410	2445495	943.5123656	891.842599	859.4580482	774.8463224	828.9497214	0.172090916	0.354871399	0.1411458
prmB	gi 49175990 ref NC_000913.2	-	2445530	2446462	1391.63358	1528.287982	1271.039744	1083.368187	1465.760479	0.183665761	0.426735111	0.1747555
smrB	gi 49175990 ref NC_000913.2	+	2446628	2447179	582.3847703	582.2302552	726.8076514	723.0621715	639.5792271	-0.254838961	0.629135859	0.2816725
yfcO	gi 49175990 ref NC_000913.2	-	2447250	2448071	897.2222524	1090.473071	1324.33131	1314.09497	1491.721135	-0.501006816	1.460510049	0.7982741
yfcP	gi 49175990 ref NC_000913.2	-	2448073	2448612	17.5465738	19.00512908	7.182857048	14.47838879	14.48526993	0.571018488	0.788056134	0.3620573
yfcQ	gi 49175990 ref NC_000913.2	-	2448609	2449097	22.14713007	11.29936631	11.99511945	11.26379052	13.41644732	0.509949186	0.537460266	0.2313891
yfcR	gi 49175990 ref NC_000913.2	-	2449094	2449606	12.07617649	10.42636026	11.17327796	15.73682958	22.19460824	-0.537642467	0.66634704	0.2984769
yfcS	gi 49175990 ref NC_000913.2	-	2449606	2450358	11.24910901	12.35453491	14.65769057	14.60101631	15.68408446	-0.347219898	0.377010652	0.1485519
yfcV	gi 49175990 ref NC_000913.2	-	2453105	2453668	13.51378961	9.45293239	19.79718406	15.81254736	20.13671295	-0.652109353	1.041957842	0.5210803
sixA	gi 49175990 ref NC_000913.2	-	2454349	2454834	501.3714487	539.5226609	556.1501832	664.5113782	514.0062298	-0.165024897	0.307430482	0.188375
fadJ	gi 49175990 ref NC_000913.2	-	2455037	2457181	646.9424601	610.6981519	1605.761639	1393.603869	1202.82672	-1.135816535	6.255376679	4.8273059
fadI	gi 49175990 ref NC_000913.2	-	2457181	2458491	489.3978404	434.0057816	1093.790451	931.7734338	889.7346188	-1.047059979	5.813488426	4.4314607
yfcZ	gi 49175990 ref NC_000913.2	-	2458672	2458956	2559.965222	2544.538531	3434.821087	3048.629504	3671.244397	-0.405263739	1.156259986	0.5921291
fadL	gi 49175990 ref NC_000913.2	+	2459328	2460668	1031.72336	1216.783832	923.9387472	944.1594998	1160.65536	0.124999061	0.31854404	0.1240538
yfdF	gi 49175990 ref NC_000913.2	+	2461034	2462092	12.65191718	21.9318355	9.006408008	26.69341456	26.70602246	-0.349681837	0.262350309	0.0969652
miaA	gi 49175990 ref NC_000913.2	-	2462274	2463029	1517.43904	1556.749505	1166.155874	1125.696057	1172.187319	0.409814115	1.262130089	0.6675754
yfdC	gi 49175990 ref NC_000913.2	+	2463323	2464255	140.477459	151.0445213	148.5072323	152.3931653	134.7501362	-0.002155152	0.007059348	0
intS	gi 49175990 ref NC_000913.2	+	2464567	2465724	203.8929883	196.5916573	94.15470243	117.8978904	177.669992	0.609755849	1.76797093	1.0317712
gtrA	gi 49175990 ref NC_000913.2	+	2465877	2466239	510.8928764	540.4645869	391.7089232	363.5142706	484.2173998	0.335766457	0.948140878	0.4620781
gtrB	gi 49175990 ref NC_000913.2	+	2466236	2467156	393.6395564	402.726228	198.2697107	406.3235248	329.6789402	0.324466084	0.791480983	0.3636958
gtrS	gi 49175990 ref NC_000913.2	+	2467153	2468484	123.9005927	152.9995388	87.59216098	167.5366326	117.8886724	0.105786083	0.255117572	0.0928474
yfdK	gi 49175990 ref NC_000913.2	+	2469099	2469539	47.94419723	47.48348777	45.46410974	51.55048648	53.76218782	-0.07858884	0.099668097	0.0263121
yfdP	gi 49175990 ref NC_000913.2	+	2471626	2471988	10.03455665	10.44778144	9.566997448	11.2465432	14.46782177	-0.206213948	0.144779159	0.0432598
yfdQ	gi 49175990 ref NC_000913.2	+	2472054	2472878	11.17903394	13.31509575	6.794720567	7.859212864	8.931663118	0.615916715	0.713112868	0.3184473
yfdR	gi 49175990 ref NC_000913.2	+	2473006	2473542	9.961229585	11.40871066	10.3723187	6.806368871	7.882405635	0.355341951	0.33800763	0.1334396
yfdS	gi 49175990 ref NC_000913.2	+	2473533	2473895	12.31619178	7.54540306	8.063226763	8.965222414	8.969706128	0.2369991	0.122715769	0.0362877
yfdT	gi 49175990 ref NC_000913.2	+	2473895	2474200	27.07651796	27.54373064	22.12293012	39.05876361	37.99284743	-0.294546658	0.387329185	0.1543669
torI	gi 49175990 ref NC_000913.2	+	2474332	2474532	376.7655395	445.5339406	599.9151762	876.584149	978.8282329	-1.036792099	4.322547777	3.1407682
dsdC	gi 49175990 ref NC_000913.2	-	2474716	2475651	70.03956946	90.31566382	68.77665582	52.96017157	72.7394075	0.279531687	0.627743884	0.2809088
dsdX	gi 49175990 ref NC_000913.2	+	2475869	2477206	438.1211269	493.952948	800.1471298	587.7520774	617.1325253	-0.5211718035	1.597166536	0.896273
dsdA	gi 49175990 ref NC_000913.2	+	2477224	2478552	1056.298071	1046.684001	2183.728656	1352.386117	1088.732229	-0.518058458	1.432825995	0.7793247
emrY	gi 49175990 ref NC_000913.2	-	2478660	2480198	20.57669529	14.18590549	19.83518033	19.06458523	17.99526313	-0.085944762	0.083873324	0.021045
emrK	gi 49175990 ref NC_000913.2	-	2480198	2481361	8.336309826	15.26830255	5.869343302	13.35197637	13.35826255	0.04314015	0.066551591	0.0157502
evgA	gi 49175990 ref NC_000913.2	+	2481777	2482391	290.0026258	311.5656054	215.2800364	424.1496913	300.721903	-0.092154252	0.081011087	0.0203997
evgS	gi 49175990 ref NC_000913.2	+	2482396	2485989	440.8739824	463.5267461	375.7157139	669.8006031	516.0283599	-0.230890717	0.390893918	0.1557279
yfdE	gi 49175990 ref NC_000913.2	-	2486405	2487190	33.30262042	50.44848059	42.8364537	47.12025771	53.69590219	-0.244757715	0.285582489	0.1086502
yfdV	gi 49175990 ref NC_000913.2	-	2487264	2488208	9.627680493	16.21219484	5.899207809	16.57537265	11.23404968	0.129344234	0.14055743	0.0419272
oxc	gi 49175990 ref NC_000913.2	-	2488278	2489972	32.19376678	31.33309476	35.82201307	29.34470469	41.326829	-0.155113011	0.201180591	0.0670826
frc	gi 49175990 ref NC_000913.2	-	2490026	2491276	26.00508357	35.20885426	14.16268921	27.90223059	30.07536318	0.292514476	0.526997926	0.2262827
yfdX	gi 49175990 ref NC_000913.2	-	2491789	2492424	23.41539921	12.24810155	14.11464	33.26115168	22.48167478	-0.346602589	0.455354611	0.1898325
ypdI	gi 49175990 ref NC_000913.2	+	2492720	2492995	40.05249534	33.19332894	53.8961215	54.72291792	31.7981231	-0.32320385	0.57956977	0.2545371
yfdY	gi 49175990 ref NC_000913.2	-	2493072	2493314	180.5983721	170.9395767	398.5875687	295.9717183	185.8019692	-0.705259861	2.125699971	1.2968225
lpxP	gi 49175990 ref NC_000913.2	+	2493667	2494587	2090.106413	2324.236698	1981.687897	2730.6801	2211.045362	-0.090665715	0.098642468	0.0262976
ypdK	gi 49175990 ref NC_000913.2	+	2494943	2495014	141.6752115	155.8027188	84.88649954	136.5281528	135.49322	0.290004587	0.709268555	0.317627

alaC	gi 49175990 ref NC_000913.2	-	2495079	2496317	594.0332124	545.1484623	513.38373	608.3351335	396.439203	0.183740199	0.341674588	0.1341942
ypdA	gi 49175990 ref NC_000913.2	+	2496693	2498390	860.7336038	841.5183982	786.9214951	768.1005425	864.7022351	0.078972362	0.150357513	0.0458644
ypdB	gi 49175990 ref NC_000913.2	+	2498405	2499139	525.0539023	510.9820758	480.2436711	469.795997	476.7417541	0.127897647	0.257096594	0.0940299
ypdC	gi 49175990 ref NC_000913.2	+	2499152	2500009	259.2193994	266.9054908	295.95753	327.1907967	276.1195781	-0.193081332	0.384396697	0.1532738
fryA	gi 49175990 ref NC_000913.2	-	2500012	2502507	112.715931	95.86861858	117.9621973	108.8458489	116.6367541	-0.111713048	0.235633494	0.0837523
ypdE	gi 49175990 ref NC_000913.2	-	2502532	2503569	18.82996483	19.95161321	29.24384368	30.25736356	29.18782957	-0.609933365	1.139692962	0.5824725
ypdF	gi 49175990 ref NC_000913.2	-	2503569	2504654	35.18213929	25.57148536	41.14525786	37.1185922	44.76797065	-0.397830964	0.805167489	0.3713443
fryC	gi 49175990 ref NC_000913.2	-	2504669	2505916	25.74087701	27.55447586	38.36749895	41.34714727	30.48222123	-0.4644542	0.796216112	0.3667143
fryB	gi 49175990 ref NC_000913.2	-	2505938	2506264	5.410322176	8.581735411	15.89262951	15.6930763	14.62467493	-1.16025762	1.833055927	1.0743999
glk	gi 49175990 ref NC_000913.2	-	2506483	2507448	2120.570567	1876.765728	5960.506533	4471.233125	3582.2316	-1.185576828	5.817735184	4.4331301
yfeO	gi 49175990 ref NC_000913.2	+	2507652	2508908	427.3148525	407.4436154	453.2990848	415.9744308	390.5230545	0.003902368	0.00824669	0
ypeC	gi 49175990 ref NC_000913.2	+	2509023	2509349	272.8897391	245.952704	217.6272624	228.6286769	208.7400563	0.262670013	0.575795444	0.2518882
mntH	gi 49175990 ref NC_000913.2	-	2509490	2510728	412.8128548	392.2451333	330.8479722	312.6248307	219.2198252	0.503331246	1.463575521	0.7989872
nupC	gi 49175990 ref NC_000913.2	+	2511064	2512266	1566.547491	1658.394517	1161.888552	1175.311741	1826.552273	0.195648891	0.429793209	0.1762871
insL	gi 49175990 ref NC_000913.2	+	2512353	2513465	947.4989857	1014.427158	780.6087065	729.0597337	1030.375896	0.196697825	0.463153894	0.1939831
yfeA	gi 49175990 ref NC_000913.2	-	2513665	2515854	647.1112452	700.0438353	535.1146375	545.0045721	648.0897556	0.209107615	0.527613318	0.2262827
yfeC	gi 49175990 ref NC_000913.2	+	2516489	2516833	592.1340609	656.3637833	814.6407065	1117.652322	1229.041111	-0.787218478	2.843716761	1.8870149
yfeD	gi 49175990 ref NC_000913.2	+	2516835	2517227	274.1001738	306.8346067	234.2177713	487.0746021	414.8470305	-0.426483227	0.820861163	0.3800331
gltX	gi 49175990 ref NC_000913.2	-	2517279	2518694	2837.436472	2958.679678	2163.063002	2150.553792	2717.590104	0.294268603	0.744402627	0.3364313
xapR	gi 49175990 ref NC_000913.2	-	2519615	2520499	189.609708	208.9950999	199.1503946	206.2744937	205.2710025	-0.044882752	0.038558248	0.0042561
xapB	gi 49175990 ref NC_000913.2	-	2520751	2522007	111.8382475	104.4499709	131.5382726	132.3562127	144.5995619	-0.32548604	0.817248249	0.3785126
xapA	gi 49175990 ref NC_000913.2	-	2522067	2522900	9.75705043	5.650749758	4.091684585	3.43641093	6.635985085	0.739558812	0.649094356	0.2905748
yfeN	gi 49175990 ref NC_000913.2	+	2523149	2523913	29.28689381	36.13866194	36.62186539	24.85621904	30.30321074	0.086314218	0.114553384	0.032275
yfeR	gi 49175990 ref NC_000913.2	-	2523952	2524878	150.1676922	149.1133782	158.2702325	165.9902073	187.149702	-0.191750007	0.354860837	0.1411458
yfeH	gi 49175990 ref NC_000913.2	+	2524968	2525966	367.9144245	359.964691	431.0048526	403.6863269	413.9415622	-0.187742892	0.419160359	0.1714563
ypeB	gi 49175990 ref NC_000913.2	-	2525963	2526181	202.4952299	204.2087802	204.141	185.1125476	200.75894	0.050039588	0.079446645	0.0195158
ligA	gi 49175990 ref NC_000913.2	-	2526183	2528198	1102.078257	988.698938	942.3933301	774.8413815	740.567976	0.37860562	0.95648032	0.4664353
zipA	gi 49175990 ref NC_000913.2	-	2528269	2529255	3500.36936	3918.974281	3250.36943	3016.010822	3287.736355	0.205335829	0.505195589	0.2150742
cysZ	gi 49175990 ref NC_000913.2	+	2529485	2530246	423.2237974	442.6284071	413.0948316	416.1104375	516.7912663	-0.063602663	0.081231547	0.0204431
cysK	gi 49175990 ref NC_000913.2	+	2530431	2531402	1429.107052	1462.717006	1715.299707	1718.652466	1567.210066	-0.206382374	0.43409604	0.1772001
ptsH	gi 49175990 ref NC_000913.2	+	2531786	2532043	5094.153411	5912.64712	5932.945189	4745.093539	6606.669741	-0.085483084	0.102882456	0.0275018
ptsI	gi 49175990 ref NC_000913.2	+	2532088	2533815	16029.11246	16938.96545	18648.41087	17812.84156	19127.74236	-0.176294026	0.32145309	0.1253096
crr	gi 49175990 ref NC_000913.2	+	2533856	2534365	6509.895625	6732.277815	7376.523926	6833.526893	7625.444769	-0.14037507	0.250378814	0.0911061
pdxK	gi 49175990 ref NC_000913.2	-	2534408	2535259	525.4295449	551.8590362	596.1560979	468.8567676	492.5627403	0.057488948	0.093529854	0.024853
yfeK	gi 49175990 ref NC_000913.2	+	2535364	2535738	126.4550395	113.9341379	70.31588211	148.2972288	85.52427987	0.237792739	0.431739047	0.1767011
yfeS	gi 49175990 ref NC_000913.2	+	2535771	2536505	134.3259866	171.0594638	63.11865759	171.9407793	135.5718892	0.239430397	0.51009694	0.2187462
cysM	gi 49175990 ref NC_000913.2	-	2536694	2537605	176.2954265	160.4762641	184.975272	104.6230868	103.5713262	0.402339304	0.768200012	0.3491773
cysA	gi 49175990 ref NC_000913.2	-	2537739	2538836	74.39464755	97.92340422	99.60420223	110.8406251	93.24622424	-0.266952394	0.447206647	0.1843451
cysW	gi 49175990 ref NC_000913.2	-	2538826	2539701	52.96439208	53.18630772	54.94844373	37.20304659	41.59290794	0.26537417	0.447928651	0.1845628
cysU	gi 49175990 ref NC_000913.2	-	2539701	2540534	38.74236585	21.72265336	40.14814733	22.65096495	25.92564452	0.109214199	0	0
cysP	gi 49175990 ref NC_000913.2	-	2540534	2541550	57.02275313	50.29919149	64.09297844	41.7205188	47.21604953	0.10365633	0.103889759	0.0277229
ucpA	gi 49175990 ref NC_000913.2	-	2541854	2542645	1845.43659	1845.43659	4280.760038	4033.814055	3421.587154	-0.996317119	4.973502907	3.7078901
murR	gi 49175990 ref NC_000913.2	-	2542774	2543631	65.84377092	58.84936283	70.74846561	79.59092441	85.12908206	-0.324394279	0.715625342	0.3189698
murQ	gi 49175990 ref NC_000913.2	+	2543795	2544691	211.0135023	191.8183978	348.3267632	280.5142102	312.9795225	-0.619051577	2.23410163	1.3798801
murP	gi 49175990 ref NC_000913.2	+	2544695	2546119	245.6619894	227.9188831	371.0343158	336.3921651	320.9593866	-0.517154386	1.737276411	1.0087467
yfeW	gi 49175990 ref NC_000913.2	+	2546124	2547428	200.888734	184.2237282	295.656308	276.9832756	279.3554513	-0.545645293	1.821732354	1.0659315
yfeX	gi 49175990 ref NC_000913.2	-	2547668	2548567	2780.986993	2634.74758	4764.693593	3865.883199	3873.521976	-0.603176508	2.153303252	1.3193632
yfeY	gi 49175990 ref NC_000913.2	-	2548663	2549238	641.2706539	604.0485022	453.8401897	671.3183633	681.7261174	0.03777885	0.080734266	0.0203997
yfeZ	gi 49175990 ref NC_000913.2	-	2549299	2549748	311.6079288	262.0697674	281.8572173	271.1336019	191.152013	0.243016227	0.424288008	0.1738296
ypeA	gi 49175990 ref NC_000913.2	-	2549735	2550160	511.2091808	491.9807681	518.2062181	514.4211355	386.273769	0.094709521	0.156546689	0.0487535
amiA	gi 49175990 ref NC_000913.2	+	2550374	2551243	637.4279601	736.1676302	428.0959555	546.9407081	537.1756496	0.414387856	1.349850376	0.7302748
hemF	gi 49175990 ref NC_000913.2	+	2551247	2552146	484.9277755	436.8622086	337.2067757	359.8315793	349.9854137	0.413181797	1.205574492	0.6233323
eutR	gi 49175990 ref NC_000913.2	-	2552152	2553204	154.3172183	168.1470942	136.9661323	156.8242366	142.5082821	0.133609721	0.277088729	0.1038347
eutK	gi 49175990 ref NC_000913.2	-	2553250	2553750	62.84722028	69.36361681	88.01222759	89.8298201	114.130921	-0.574893205	1.560440647	0.8723338
eutL	gi 49175990 ref NC_000913.2	-	2553763	2554422	39.32964238	48.49369902	54.325148	52.70783136	51.64092508	-0.28863794	0.482752962	0.2028463
eutC	gi 49175990 ref NC_000913.2	-	2554432	2555319	76.98018736	57.84583464	87.69234524	96.3087937	85.34244461	-0.380650409	0.982974009	0.4802696
eutB	gi 49175990 ref NC_000913.2	-	2555340	2556701	1714.617793	1612.746926	1842.971064	2101.878522	1697.41663	-0.169705658	0.34097108	0.1340055

eutA	gi 49175990 ref NC_000913.2	-	2563503	2564906	48.56123299	48.43527637	54.37397896	57.10031347	49.47005492	-0.143214877	0.211288915	0.0721266
eutH	gi 49175990 ref NC_000913.2	-	2564903	2566129	47.59209103	56.08290132	54.44545356	60.40977097	49.49599418	-0.097970139	0.10585326	0.0283572
eutG	gi 49175990 ref NC_000913.2	-	2566346	2567533	20.43643086	16.10383915	25.81933115	15.82915787	15.83773242	-0.026141384	0.04012783	0.0045376
eutJ	gi 49175990 ref NC_000913.2	-	2567523	2568359	7.3103005	10.4794764	11.20080123	3.485533013	3.487792173	0.553158369	0.476639903	0.2007769
eutE	gi 49175990 ref NC_000913.2	-	2568370	2569773	14.44380397	6.568088005	23.3886954	13.65100167	19.06132845	-0.747513599	1.277519131	0.678799
eutM	gi 49175990 ref NC_000913.2	-	2570179	2570472	34.69617691	22.70381426	25.42655923	29.10537929	28.0365504	0.099758223	0.057807618	0.0110921
eutD	gi 49175990 ref NC_000913.2	-	2570511	2571527	20.30269746	18.02173311	34.25459714	38.98384699	20.52936944	-0.684657416	1.386582318	0.7519716
eutT	gi 49175990 ref NC_000913.2	-	2571524	2572327	16.63410527	22.84784579	9.771587556	18.85552008	13.49854189	0.443877341	0.620421129	0.2765031
eutQ	gi 49175990 ref NC_000913.2	-	2572324	2573025	12.33450278	16.18115794	18.44262391	16.83314561	15.76382075	-0.271133299	0.263571877	0.0969652
eutP	gi 49175990 ref NC_000913.2	-	2573000	2573479	9.353529405	10.45534596	8.183048761	11.15873555	10.09400242	0.00055463	0	0
maeB	gi 49175990 ref NC_000913.2	-	2574120	2576399	1341.930699	1180.551532	1892.49964	1334.325907	1068.458081	-0.13961704	0.330596823	0.1302079
talA	gi 49175990 ref NC_000913.2	+	2576688	2577638	1056.831425	1077.091318	995.6948178	915.9303931	772.066447	0.260240221	0.608296349	0.2691543
tkbB	gi 49175990 ref NC_000913.2	+	2577658	2579661	1653.751753	1413.241642	1605.12106	1362.069763	901.4140288	0.291305254	0.514588472	0.2209121
ypfG	gi 49175990 ref NC_000913.2	-	2579756	2580799	260.1171473	245.9731156	275.095366	252.1375802	184.4061014	0.112513929	0.156200621	0.0487535
nudK	gi 49175990 ref NC_000913.2	-	2580925	2581500	291.7418773	269.7084216	347.4540526	337.4722066	326.501104	-0.251005197	0.620894735	0.2767412
aegA	gi 49175990 ref NC_000913.2	-	2581568	2583547	569.0778788	578.4386643	1074.260136	945.2726125	1001.73061	-0.808647813	3.731972696	2.6339416
narQ	gi 49175990 ref NC_000913.2	+	2583753	2585453	377.6919669	407.4993247	404.9071588	439.4074546	420.6657484	-0.116460365	0.191207889	0.0618753
acrD	gi 49175990 ref NC_000913.2	+	2585617	2588730	373.2236839	337.134122	383.2016822	337.6442336	381.3177188	-0.031405624	0.078144191	0.0192386
ypfM	gi 49175990 ref NC_000913.2	-	2588829	2588888	1023.635648	971.628662	1946.525232	2632.439678	3259.169416	-1.401130599	6.877399239	5.3746948
ypfB	gi 49175990 ref NC_000913.2	+	2589269	2589625	239.32213	224.1236401	225.8267524	223.235218	262.2772656	-0.02758373	0.046696426	0.0074556
dapE	gi 49175990 ref NC_000913.2	+	2589629	2590756	1073.955043	1067.581367	1210.969727	1161.4832	1063.575693	-0.091813658	0.180791665	0.057591
ypfN	gi 49175990 ref NC_000913.2	+	2590784	2590984	285.2061737	283.0363345	314.7904789	356.3942846	332.0587435	-0.238217381	0.526789436	0.2262827
ypfA	gi 49175990 ref NC_000913.2	-	2591094	2591792	499.062721	503.3999593	631.8748642	577.256903	418.8987596	-0.103274717	0.203384873	0.0682219
tmcH	gi 49175990 ref NC_000913.2	-	2591866	2593881	857.1974781	779.7471864	1068.014604	902.4702649	666.8427112	-0.07312758	0.177971662	0.0563259
ypfJ	gi 49175990 ref NC_000913.2	-	2593896	2594759	698.1492793	641.0793754	970.287967	786.8342063	396.8883207	-0.061674041	0.140334852	0.0419027
purC	gi 49175990 ref NC_000913.2	-	2594927	2595640	462.6481906	441.6372233	1013.85353	1208.756833	357.8556904	-0.907618776	2.340575086	1.4710234
bamC	gi 49175990 ref NC_000913.2	-	2595853	2596887	3341.28274	3196.090866	3203.80214	3012.573129	3013.035977	0.097087725	0.166332767	0.0525902
dapA	gi 49175990 ref NC_000913.2	-	2596904	2597782	5428.432523	5498.462203	5907.628108	5418.59344	5604.209875	-0.044953608	0.073352092	0.017532
gcvR	gi 49175990 ref NC_000913.2	+	2597928	2598500	1423.176094	1566.281516	1003.626363	1078.622291	1258.291867	0.403377783	1.277545636	0.678799
bcp	gi 49175990 ref NC_000913.2	+	2598500	2598970	1504.216274	1838.928904	876.4562047	1002.331111	1151.704353	0.687359694	2.935121399	1.9626967
hyfA	gi 49175990 ref NC_000913.2	+	2599223	2599840	12.07617649	10.42636026	7.434545479	75.70422861	23.22481815	-0.467671673	0.481036106	0.2024127
hyfB	gi 49175990 ref NC_000913.2	+	2599840	2601858	67.6770742	60.75894277	53.6729268	65.00317317	71.61298025	-0.003550661	0	0
hyfC	gi 49175990 ref NC_000913.2	+	2601869	2602816	9.161871468	4.697087733	7.839832401	4.592705677	7.806429955	0.103008294	0	0
hyfD	gi 49175990 ref NC_000913.2	+	2602833	2604272	18.03681517	21.8757557	29.96464536	25.73804921	17.0802897	-0.285053939	0.293632808	0.113293
hyfE	gi 49175990 ref NC_000913.2	+	2604284	2604934	13.3595298	11.3732187	18.73774497	24.49718931	16.95511212	-0.67987392	1.101379248	0.5581634
hyfF	gi 49175990 ref NC_000913.2	+	2604939	2606519	68.10790984	68.38339723	81.28393774	88.5709303	94.12226224	-0.371062116	0.843347001	0.3956627
hyfG	gi 49175990 ref NC_000913.2	+	2606509	2608176	125.5852232	123.4647564	202.3954682	183.8478785	157.3016541	-0.52978661	1.583012589	0.8863821
hyfH	gi 49175990 ref NC_000913.2	+	2608186	2608731	25.38567187	34.25730018	33.0660533	35.74670856	25.98782464	-0.110812025	0.097945609	0.0262976
hyfI	gi 49175990 ref NC_000913.2	+	2608728	2609486	38.27595951	29.37865289	56.70935102	57.04056075	40.65907194	-0.569279877	1.352440974	0.7324211
hyfJ	gi 49175990 ref NC_000913.2	+	2609479	2609892	9.210716633	12.37744358	8.021085681	8.946809301	7.881516754	0.355341951	0.338491965	0.1335511
hyfR	gi 49175990 ref NC_000913.2	+	2609922	2611934	101.1721829	92.09409621	106.3705033	126.4589804	101.1237215	-0.1948764	0.379120274	0.149598
foxB	gi 49175990 ref NC_000913.2	+	2611956	2612804	116.9848219	105.3864824	157.1659719	147.8519425	105.850099	-0.276805804	0.63225492	0.2835224
yfgO	gi 49175990 ref NC_000913.2	+	2612842	2613903	441.2425217	415.0359782	518.1068344	473.0984202	406.3501396	-0.104698726	0.226990187	0.0791779
yfgC	gi 49175990 ref NC_000913.2	+	2614116	2615579	781.9708703	739.873374	759.0361329	837.3213937	728.1502454	-0.01982502	0.039842072	0.0045376
yfgD	gi 49175990 ref NC_000913.2	+	2615600	2615959	950.7570171	987.8181205	852.6487166	904.9809963	1234.477671	-0.057716087	0.06168378	0.0127514
hda	gi 49175990 ref NC_000913.2	-	2616097	2616798	727.5913673	711.3942942	588.0193097	645.6750617	609.1305621	0.228066225	0.556885196	0.241437
uraA	gi 49175990 ref NC_000913.2	-	2616893	2618182	262.6525968	202.1979488	178.2460089	182.8749806	222.9441457	0.284273459	0.551809461	0.2392178
upp	gi 49175990 ref NC_000913.2	-	2618268	2618894	843.5590602	1034.438293	473.2494243	510.3300735	701.6440809	0.699995975	2.961244278	1.9807395
purM	gi 49175990 ref NC_000913.2	+	2619219	2620256	959.518329	1018.222118	2187.645696	2518.207157	635.0340129	-0.83902924	1.748058877	1.0172403
purN	gi 49175990 ref NC_000913.2	+	2620256	2620894	322.6746531	361.9254152	633.5315694	797.3365323	280.3170951	-0.744192055	1.824784277	1.0673499
ppk	gi 49175990 ref NC_000913.2	+	2621066	2623132	1440.407469	1498.817788	1723.111599	1667.109252	1521.243577	-0.157366619	0.303023643	0.1166828
ppx	gi 49175990 ref NC_000913.2	+	2623137	2624678	841.7421154	837.7274976	835.6416909	819.5296956	764.0287127	0.061944276	0.110487045	0.0302596
yfgF	gi 49175990 ref NC_000913.2	-	2624717	2626960	161.9301946	173.8401352	164.8553584	159.388309	202.7398039	-0.078750378	0.094270227	0.0250606
yfgG	gi 49175990 ref NC_000913.2	+	2627312	2627503	1285.026964	1398.159189	1067.102847	1441.906733	2023.917065	-0.206202442	0.294495695	0.113293
yfgH	gi 49175990 ref NC_000913.2	+	2627814	2628332	20.91048869	18.97480458	11.08028539	12.45919502	22.13642316	0.384375306	0.45400884	0.1888796
yfgI	gi 49175990 ref NC_000913.2	+	2628348	2628887	59.5763314	69.38063945	31.98768465	70.31292023	68.16073923	0.13640458	0.247774229	0.0904131
guaA	gi 49175990 ref NC_000913.2	-	2628980	2630557	2526.100124	2367.845421	2476.158195	2387.825008	1682.000555	0.185138418	0.311978684	0.1218549

guaB	gi 49175990 ref NC_000913.2	-	2630626	2632092	2513.523015	2327.947618	2479.471059	2055.009994	1482.397399	0.300842761	0.570781343	0.2491116
xseA	gi 49175990 ref NC_000913.2	+	2632254	2633624	1533.263259	1551.043891	1186.657073	1207.646808	1511.727447	0.23575721	0.568820018	0.2488581
yfgJ	gi 49175990 ref NC_000913.2	-	2633621	2633836	247.2784284	250.7520361	194.2196398	207.4848012	240.9297504	0.208684171	0.47367651	0.1990194
der	gi 49175990 ref NC_000913.2	-	2633906	2635378	1761.770153	1740.04495	1762.728868	1550.663684	1576.122338	0.111518099	0.193794684	0.0631676
bamB	gi 49175990 ref NC_000913.2	-	2635496	2636674	3025.986982	2733.505287	3349.388492	3075.293424	2740.643322	-0.063148621	0.147889759	0.0446157
yfgM	gi 49175990 ref NC_000913.2	-	2636685	2637305	1856.80901	1644.062205	1958.953997	1803.897676	1571.82347	0.002574252	0.030579696	0.0022473
hisS	gi 49175990 ref NC_000913.2	-	2637323	2638597	3820.837838	3661.499469	3765.221656	3719.977932	3727.538735	0.008126519	0.005485973	0
ispG	gi 49175990 ref NC_000913.2	-	2638708	2639826	1761.039079	1789.448808	2163.968524	2217.597007	2168.338068	-0.301448976	0.70225825	0.3141674
rodZ	gi 49175990 ref NC_000913.2	-	2639853	2640866	3103.805772	3158.128247	3724.287685	3986.692567	3730.948638	-0.289018632	0.690690369	0.3092004
rlmN	gi 49175990 ref NC_000913.2	-	2641151	2642305	1352.887691	1333.524608	1007.579197	1075.263111	1253.81139	0.267103939	0.686560195	0.3077389
ndk	gi 49175990 ref NC_000913.2	-	2642455	2642886	309.5631788	332.4615177	214.5812294	273.4749589	295.8719534	0.273984691	0.712160347	0.3184473
pbpC	gi 49175990 ref NC_000913.2	-	2643035	2645347	478.9210062	475.8485261	610.6618902	673.729062	659.5499685	-0.444113809	1.328054006	0.7163989
yfhM	gi 49175990 ref NC_000913.2	-	2645348	2650309	2431.913927	2388.763697	3377.303981	3344.200933	2591.59141	-0.355613602	0.950892784	0.4631943
sseA	gi 49175990 ref NC_000913.2	+	2650516	2651361	1417.141245	1440.868149	3148.557569	2769.163678	2139.614677	-0.899196072	3.628727835	2.5490131
sseB	gi 49175990 ref NC_000913.2	-	2652179	2652955	380.3466451	394.183718	352.4652714	308.4350525	316.3990037	0.250681224	0.601300324	0.2668653
pepB	gi 49175990 ref NC_000913.2	-	2653097	2654380	1310.293001	1181.51283	1327.268241	1189.517441	1011.006234	0.108092538	0.155394734	0.0487535
iscX	gi 49175990 ref NC_000913.2	-	2654558	2654758	509.5991671	544.26826	478.54737	399.3608082	460.9703467	0.235875501	0.584958664	0.2574398
fdx	gi 49175990 ref NC_000913.2	-	2654770	2655105	425.0612062	452.1342729	349.7779592	270.5286796	344.2309066	0.44594296	1.368389863	0.7411988
hscA	gi 49175990 ref NC_000913.2	-	2655107	2656957	1706.488981	1571.895149	1406.860076	1168.381146	1158.917873	0.419019756	1.150049027	0.5889647
hscB	gi 49175990 ref NC_000913.2	-	2656974	2657489	432.1984503	433.110881	371.0680053	306.3128456	356.6466942	0.333446916	0.873080973	0.4140035
iscA	gi 49175990 ref NC_000913.2	-	2657585	2657908	818.9077568	702.7860489	770.2156042	682.8335398	639.5820656	0.154826642	0.255846473	0.0930901
iscU	gi 49175990 ref NC_000913.2	-	2657925	2658311	892.5131449	816.7925554	742.6141354	717.4833275	637.3502999	0.30705217	0.78424961	0.3603755
iscS	gi 49175990 ref NC_000913.2	-	2658339	2659553	2560.771781	2422.938966	1953.795396	1782.666321	1698.459012	0.473984605	1.376422034	0.7451446
iscR	gi 49175990 ref NC_000913.2	-	2659665	2660153	1178.641358	1192.014896	757.1743904	766.6889196	603.8278593	0.74445411	3.164327447	2.1521082
trmJ	gi 49175990 ref NC_000913.2	-	2660605	2661345	1516.595973	1653.65975	2229.751927	2100.996578	1871.279759	-0.389509074	0.978998777	0.4786629
suhB	gi 49175990 ref NC_000913.2	+	2661464	2662267	1602.05673	1937.704194	796.5316031	1200.669488	1473.316398	0.562038361	1.879050275	1.1101081
yfhR	gi 49175990 ref NC_000913.2	+	2662412	2663266	114.6965425	119.6880524	66.30053053	92.00434927	127.3046244	0.273875564	0.595222096	0.2640613
csiE	gi 49175990 ref NC_000913.2	+	2663457	2664737	850.8762998	932.7544895	1517.823208	1763.199385	1290.348989	-0.786222952	3.058755535	2.0605644
hcaT	gi 49175990 ref NC_000913.2	-	2664729	2665868	440.8876279	461.6252244	536.2511671	573.9718329	563.099634	-0.314933087	0.803188527	0.3702416
hcaR	gi 49175990 ref NC_000913.2	-	2666028	2666918	99.57186091	80.65752081	72.45496159	79.78096297	115.0558378	0.029917926	0.016484957	0
hcaE	gi 49175990 ref NC_000913.2	+	2667054	2668415	163.0458041	148.1284836	189.98894	170.2640022	111.5774178	0.011747393	0.014235097	0
hcaF	gi 49175990 ref NC_000913.2	+	2668412	2668930	27.85570345	25.62303249	21.55330175	27.92234595	24.69135253	0.116010054	0.136468864	0.0409694
hcaC	gi 49175990 ref NC_000913.2	+	2668930	2669250	17.97882446	22.83457216	18.31997213	15.71020823	13.56292623	0.348074744	0.43190826	0.1767011
hcaB	gi 49175990 ref NC_000913.2	+	2669247	2670059	25.86875594	38.08004471	33.82179241	20.39787551	25.83558865	0.234647203	0.350773867	0.1391697
hcaD	gi 49175990 ref NC_000913.2	+	2670069	2671121	64.94162441	65.5355608	68.43938407	87.3907472	95.1362679	-0.370741135	0.679949202	0.3498665
yphA	gi 49175990 ref NC_000913.2	+	2671368	2671790	171.8909521	155.7255148	162.2229924	180.4396755	178.3146765	-0.075698589	0.13749475	0.0414936
yphB	gi 49175990 ref NC_000913.2	-	2671838	2672710	98.74723605	86.3819026	85.94182162	89.50769795	64.24544469	0.233870298	0.409684712	0.1671262
yphC	gi 49175990 ref NC_000913.2	-	2672722	2673783	73.57468368	80.76117904	86.47899083	66.19690772	51.94549185	0.184087763	0.299076688	0.1150997
yphD	gi 49175990 ref NC_000913.2	-	2673849	2674847	25.35738856	22.76996426	17.20635684	16.81701538	15.74826883	0.548996368	0.90034349	0.4325823
yphE	gi 49175990 ref NC_000913.2	-	2674872	2676383	53.12391911	49.36476344	58.53309842	56.17046134	67.15825741	-0.234940935	0.419467113	0.1714693
yphF	gi 49175990 ref NC_000913.2	-	2676406	2677389	21.11181143	26.63692009	20.27443361	28.97078842	22.49874768	-0.032432665	0	0
yphG	gi 49175990 ref NC_000913.2	-	2677486	2680767	94.79823212	68.27492892	84.42760279	81.71854333	59.76671557	0.161825993	0.170978252	0.0538242
yphH	gi 49175990 ref NC_000913.2	+	2680885	2682078	159.6545159	126.231094	134.516754	154.6639738	159.1747067	-0.0409293	0.089277873	0.0235556
glyA	gi 49175990 ref NC_000913.2	-	2682276	2683529	5226.114301	4959.887395	6572.188088	6867.865833	5043.740189	-0.26195692	0.600681845	0.2668653
hmp	gi 49175990 ref NC_000913.2	+	2683857	2685047	386.7346906	322.8529557	373.3073987	305.0894611	297.4467763	0.161029055	0.242030258	0.0874402
glnB	gi 49175990 ref NC_000913.2	-	2685092	2685430	433.5537693	512.020957	436.762202	437.3440622	493.3911575	0.026225725	0.094400619	0.0250659
glrR	gi 49175990 ref NC_000913.2	-	2685491	2686825	348.021098	310.5344104	303.657495	261.460514	316.1774878	0.182838275	0.335056511	0.1322052
yfhG	gi 49175990 ref NC_000913.2	-	2686815	2687528	293.6960424	324.8760465	271.5406013	234.457955	245.7086698	0.29602269	0.755168417	0.3439111
glrK	gi 49175990 ref NC_000913.2	-	2687693	2689120	598.035889	620.2397674	635.6595605	604.4609797	709.8588335	-0.100374838	0.170517742	0.0536727
purL	gi 49175990 ref NC_000913.2	-	2689356	2689356	1062.9682831	951.6553957	3533.22365	3519.4809	620.583282	-1.298828999	2.73302298	1.7998022
mitF	gi 49175990 ref NC_000913.2	+	2693823	2695379	370.7213559	403.7042473	276.1908412	253.6237219	330.5964206	0.184497841	1.297596027	0.6927928
tadA	gi 49175990 ref NC_000913.2	-	2695376	2695879	569.4559087	517.5996992	404.9646081	443.8930479	429.6169382	0.360604549	1.02500938	0.5123523
pgpC	gi 49175990 ref NC_000913.2	-	2695937	2696572	715.2650432	642.0187801	708.6223774	784.6199296	677.6789258	-0.078956995	0.169500489	0.0533084
yfhH	gi 49175990 ref NC_000913.2	+	2696781	2697629	208.6516965	221.3267867	219.5308906	224.4221098	296.8454138	-0.215589641	0.394015149	0.1571967
yfhL	gi 49175990 ref NC_000913.2	+	2697685	2697945	183.0172286	179.5022276	99.6830788	180.0770864	159.1356083	0.289267242	0.636960102	0.284622
shoB	gi 49175990 ref NC_000913.2	-	2698139	2698219	633.6516964	886.3298351	742.2418608	625.0020966	1097.39108	-0.167640099	0.17903556	0.056825
acpS	gi 49175990 ref NC_000913.2	-	2698640	2699020	230.2394007	233.6556986	269.2335013	272.3791496	249.1466589	-0.184626899	0.375722926	0.1480057

pdxJ	gi 49175990 ref NC_000913.2	-	2699020	2699751	979.5885242	897.5269466	1107.440587	996.80149	1016.353249	-0.130877669	0.2976065	0.1148535
recO	gi 49175990 ref NC_000913.2	-	2699763	2700491	514.3012341	504.3368716	441.1351109	483.2786075	562.8177658	0.033511145	0.068518217	0.0162313
era	gi 49175990 ref NC_000913.2	-	2700503	2701408	1414.086593	1397.163119	1043.008121	1051.690659	1127.238489	0.387770311	1.178137167	0.6080333
rnc	gi 49175990 ref NC_000913.2	-	2701405	2702085	1329.723599	1244.217694	1108.885729	1028.168338	1044.379084	0.292297949	0.730249418	0.3277
lepB	gi 49175990 ref NC_000913.2	-	2702357	2703331	1395.054533	1422.823214	1348.255776	1260.418416	1627.285811	-0.009378203	0.000582103	0
lepA	gi 49175990 ref NC_000913.2	-	2703347	2705146	3076.794594	3025.138005	2905.311552	2575.46213	2916.419795	0.12975602	0.248478214	0.0906571
rseC	gi 49175990 ref NC_000913.2	-	2705344	2705823	1626.133895	1592.820184	1714.147089	1746.706318	1675.929903	-0.086222516	0.155134521	0.0487535
rseB	gi 49175990 ref NC_000913.2	-	2705820	2706776	2447.050477	2408.710758	2697.21004	2951.740737	2383.946717	-0.138417895	0.262206969	0.0969211
rseA	gi 49175990 ref NC_000913.2	-	2706776	2707426	4525.967453	4758.577068	5293.836545	6415.892825	4646.571718	-0.241556086	0.478957363	0.2015743
rpoE	gi 49175990 ref NC_000913.2	-	2707459	2708034	6166.645126	6351.401311	7521.512201	8957.626222	7174.830622	-0.341016389	0.790183232	0.3626835
nadB	gi 49175990 ref NC_000913.2	+	2708442	2710064	268.8325815	264.0356524	324.305903	278.1080079	254.863486	-0.088413893	0.171641556	0.0540684
yfiC	gi 49175990 ref NC_000913.2	-	2710049	2710786	351.2364065	307.6770398	298.0549856	245.7484738	278.1677226	0.290614783	0.634942502	0.284622
srnB	gi 49175990 ref NC_000913.2	+	2710918	2712252	1063.17753	1072.337315	769.8292025	841.9020424	819.9716136	0.39251368	1.195334906	0.6176362
yfiE	gi 49175990 ref NC_000913.2	-	2712461	2713342	142.7905983	165.3219385	174.7565634	158.1379695	153.7848394	-0.087990884	0.108859005	0.0294058
eamB	gi 49175990 ref NC_000913.2	+	2713445	2714032	196.700922	206.1244459	256.5343869	270.2741226	311.6098921	-0.484434752	1.371128208	0.7425793
yfiD	gi 49175990 ref NC_000913.2	-	2714088	2714471	42661.05066	46721.28502	28654.2775	28656.56975	48369.2661	0.359412583	0.831960118	0.3881797
ung	gi 49175990 ref NC_000913.2	+	2714776	2715465	681.3041603	711.425006	899.3001201	814.0914543	880.5294044	-0.315200887	0.838558102	0.3929965
yfiF	gi 49175990 ref NC_000913.2	-	2715513	2716550	1914.088045	1763.757201	2412.607094	2073.10318	2008.080488	-0.214551	0.495311047	0.2099578
trxC	gi 49175990 ref NC_000913.2	+	2716757	2717176	400.3622936	437.8997263	330.5989689	290.7042621	410.142812	0.270449983	0.685451258	0.3075159
yfiP	gi 49175990 ref NC_000913.2	+	2717245	2717943	182.9382043	184.2647322	148.2647322	158.355569	244.9942163	-0.016734712	0	0
yfiQ	gi 49175990 ref NC_000913.2	+	2717975	2720635	1852.514579	1892.980998	3805.148645	4178.314895	3576.265226	-1.04496698	5.301117986	4.0008337
pssA	gi 49175990 ref NC_000913.2	+	2720749	2722104	2679.221807	2665.164999	2760.745355	2719.870264	2555.427146	-0.000339789	0.001382143	0
yfiM	gi 49175990 ref NC_000913.2	+	2722150	2722473	2714.761246	3049.898081	3403.604422	3237.051451	4525.68314	-0.39238264	0.926722884	0.4500279
kgfP	gi 49175990 ref NC_000913.2	-	2722470	2723768	10913.67394	11234.38322	12755.41466	13137.6117	14073.15087	-0.274161468	0.592475568	0.2622281
clpB	gi 49175990 ref NC_000913.2	-	2729622	2732195	10462.68375	8619.444685	11827.23506	10201.85861	18662.4835	-0.489676298	1.223559932	0.6385415
yfiH	gi 49175990 ref NC_000913.2	-	2732325	2733056	686.1725223	627.7803788	628.6173763	602.0603094	572.1999587	0.14463939	0.263955949	0.0969652
rluD	gi 49175990 ref NC_000913.2	-	2733053	2734033	1093.582346	1066.622567	1014.478115	926.1077382	878.4743913	0.210632347	0.458728613	0.1918802
bamD	gi 49175990 ref NC_000913.2	+	2734168	2734905	1887.090151	3182.862491	2933.84791	3169.474153	3360.57071	-0.075364585	0.092260353	0.0239252
raiA	gi 49175990 ref NC_000913.2	+	2735176	2735517	17544.28165	17858.3648	37016.13371	70626.83225	53173.58872	-1.625210819	7.890891067	6.2879707
pheL	gi 49175990 ref NC_000913.2	+	2735621	2735668	112.2606058	89.19701906	137.9214563	187.2116913	227.2534052	-0.858962219	3.009176172	2.0214758
pheA	gi 49175990 ref NC_000913.2	+	2735767	2736927	891.6107919	882.3659924	739.5132546	810.6439823	880.3635637	0.13116088	0.286768325	0.1088606
tyrA	gi 49175990 ref NC_000913.2	-	2736970	2738091	364.9559076	336.1929152	337.6536406	314.9562316	251.6133457	0.238236241	0.47966885	0.2015743
aroF	gi 49175990 ref NC_000913.2	-	2738102	2739172	607.2602317	561.2984606	440.793006	482.018741	469.9899933	0.3389627	0.932749178	0.4530955
yfiL	gi 49175990 ref NC_000913.2	+	2739382	2739747	75.1220478	73.12225446	65.62173154	98.22235328	66.39922832	-0.055952102	0.057585463	0.0110921
yfiR	gi 49175990 ref NC_000913.2	+	2739897	2740415	919.4816399	882.3515487	976.8251905	957.6310633	1164.073941	-0.195375176	0.424458936	0.1738296
yfiN	gi 49175990 ref NC_000913.2	+	2740405	2741631	438.0941553	411.2358388	442.4815385	479.9441822	575.1181235	-0.232852597	0.531197544	0.2279226
yfiB	gi 49175990 ref NC_000913.2	+	2741647	2742129	232.7721276	235.5541166	292.0062384	296.0015178	303.9533406	-0.347102193	0.902638436	0.4341738
rplS	gi 49175990 ref NC_000913.2	-	2742205	2742552	7860.342555	7897.682723	5391.846681	5094.623281	5728.563449	0.542853961	1.795495503	1.0500922
trmD	gi 49175990 ref NC_000913.2	-	2742594	2743361	6649.263783	5905.868121	4753.904619	3854.623804	3584.222341	0.657583912	2.186977041	1.3412388
rimM	gi 49175990 ref NC_000913.2	-	2743392	2743940	4399.475521	4205.740396	3432.528182	2880.283279	2532.086191	0.564670893	1.816895881	1.0618945
rpsP	gi 49175990 ref NC_000913.2	-	2743959	2744207	4247.650119	4523.979882	2842.101047	2695.440523	3317.803224	0.559236128	2.007990595	1.2056112
ffh	gi 49175990 ref NC_000913.2	-	2744456	2745817	3436.672605	3189.427694	4059.145022	3845.43065	3142.322616	-0.133694503	0.292667494	0.1130641
ypjD	gi 49175990 ref NC_000913.2	+	2745984	2746775	472.732446	548.1056035	442.1086347	480.9050175	471.1085348	0.02892737	0.282986422	0.1073228
yfiD	gi 49175990 ref NC_000913.2	+	2746796	2748082	774.2687457	760.7867818	605.9676306	549.4519082	556.4448275	0.434899106	1.374048144	0.7445406
grpE	gi 49175990 ref NC_000913.2	-	2748137	2748730	3763.877207	3783.09843	1743.681347	1795.024699	1996.503536	1.027219521	5.404711026	4.0914618
nadK	gi 49175990 ref NC_000913.2	+	2748853	2749731	623.9632763	636.378797	630.7079868	735.3228421	695.4584597	-0.133869019	0.244705349	0.0891784
recN	gi 49175990 ref NC_000913.2	+	2749817	2751478	1408.324822	1424.718939	691.8708793	729.9980972	895.9067968	0.864916839	4.182882035	3.0170124
bamE	gi 49175990 ref NC_000913.2	+	2751627	2751968	2270.926084	2737.444547	1837.582548	2509.006383	2799.438264	0.027354368	0.119923931	0.0349247
ratB	gi 49175990 ref NC_000913.2	-	2752030	2752320	213.0802833	225.124404	185.9252315	190.6156721	198.4871991	0.183529975	0.3972004	0.1592805
ratA	gi 49175990 ref NC_000913.2	-	2752310	2752786	522.8208975	563.2685939	424.9675439	458.5445334	483.3438074	0.237726881	0.635075297	0.284622
smgB	gi 49175990 ref NC_000913.2	+	2752918	2753400	1228.036676	1180.593111	1349.863225	1511.273148	1596.064101	-0.304333767	0.751332334	0.3414472
intA	gi 49175990 ref NC_000913.2	+	2754181	2755422	473.7581184	487.2620444	420.6386717	441.648155	408.3985265	0.177598237	0.404764285	0.1642513
yfiJ	gi 49175990 ref NC_000913.2	-	2755666	2756622	54.92987391	71.31491834	51.40550963	77.19311001	78.32915526	-0.174643701	0.181704465	0.0580788
alpA	gi 49175990 ref NC_000913.2	+	2756666	2756878	11.65460477	7.551786895	5.807428936	11.17603917	13.31908501	-0.055489971	0.004658046	0
yfiI	gi 49175990 ref NC_000913.2	+	2757007	2758416	79.71413051	72.14844045	68.87841552	89.81326769	129.5258834	-0.345791338	0.665391328	0.2980183
yfiJ	gi 49175990 ref NC_000913.2	+	2758569	2759195	12.00108767	11.3868366	10.64279779	5.814175368	15.47619141	0.142057527	0.107462512	0.0288537
yfiK	gi 49175990 ref NC_000913.2	-	2759373	2761562	566.3660073	608.858706	660.0482184	757.8495352	801.8593235	-0.350837422	0.891151346	0.4261224

yfjL	gi 49175990 ref NC_000913.2	-	2761559	2763175	575.9397494	599.3454446	664.048292	765.6964459	811.9481404	-0.360602887	0.949870102	0.4629489
yfjM	gi 49175990 ref NC_000913.2	-	2763535	2763798	50.66837382	32.17731571	49.27144675	47.20857566	58.16653121	-0.268714656	0.555276056	0.2405783
miIA	gi 49175990 ref NC_000913.2	+	2763940	2765013	3443.553648	3883.834864	2792.643664	3752.29053	3876.44605	0.04408321	0.135026241	0.0403231
rniB	gi 49175990 ref NC_000913.2	+	2765006	2765377	692.5113932	756.0872091	612.3324121	813.5621554	652.9880223	0.042473022	0.115496326	0.0327284
yfjP	gi 49175990 ref NC_000913.2	+	2765732	2766595	61.97552428	76.04782508	86.63361335	59.65186787	65.179361	-0.039757402	0.022414646	0.0005477
yfjQ	gi 49175990 ref NC_000913.2	+	2766687	2767508	50.9307223	39.82217822	43.07466515	53.7834428	59.27556286	-0.180214704	0.315846578	0.1236733
yfjR	gi 49175990 ref NC_000913.2	+	2767725	2768426	20.23815131	18.98062682	29.21243061	29.1603015	29.17517974	-0.562755138	1.089734951	0.5531722
ypjK	gi 49175990 ref NC_000913.2	+	2768467	2768703	7.457826829	8.556197883	7.577801813	4.507232939	2.361186894	0.739558812	0.53851273	0.2317944
yfjS	gi 49175990 ref NC_000913.2	+	2768703	2769146	18.53821129	24.74538573	14.8050414	16.81563637	17.90033304	0.357168509	0.527172218	0.2262827
yfjT	gi 49175990 ref NC_000913.2	+	2769170	2769637	50.11309075	58.93270328	45.57411145	52.69216479	58.1849128	0.038371431	0.070415562	0.0170551
yfjW	gi 49175990 ref NC_000913.2	+	2771340	2773043	29.90538123	37.09034422	20.13984442	67.71418369	44.87396493	-0.457422168	0.513233764	0.2205467
yfjX	gi 49175990 ref NC_000913.2	+	2773941	2774399	22.56229841	24.70857662	43.30752148	28.2969493	40.29672669	-0.654255469	1.410269411	0.7655567
yfjY	gi 49175990 ref NC_000913.2	+	2774408	2774890	14.7294558	20.95049133	12.29012234	18.91275824	14.62274455	0.181067046	0.221676738	0.0773895
ypjJ	gi 49175990 ref NC_000913.2	+	2774899	2775099	5.882388997	11.45872193	11.48764295	7.860957293	4.641260535	0.080520454	0.015055823	0
yfjZ	gi 49175990 ref NC_000913.2	+	2775137	2775454	12.15364473	9.465922042	12.32364603	16.78236067	17.86555361	-0.516162278	0.673409494	0.3015412
ypjF	gi 49175990 ref NC_000913.2	+	2775475	2775804	21.51898876	19.92779635	13.05193328	9.067211058	11.2203231	0.912074746	1.57605706	0.8820699
ypjA	gi 49175990 ref NC_000913.2	-	2776168	2780748	363.8364157	389.4491918	406.1579161	440.4986171	405.0193262	-0.158926879	0.293118815	0.1132795
csiD	gi 49175990 ref NC_000913.2	+	2787007	2787984	73.85023288	72.17380228	42.08105929	43.53571361	26.12729988	0.979990957	3.353183381	2.307935
lhgO	gi 49175990 ref NC_000913.2	+	2788004	2789272	140.7638936	136.7573803	178.5668246	160.338933	143.7889531	-0.201592481	0.417669736	0.1708749
gabD	gi 49175990 ref NC_000913.2	+	2789295	2790743	226.5846949	220.3402938	374.4070113	303.9158308	268.4096174	-0.480010128	1.441876405	0.7847544
gabT	gi 49175990 ref NC_000913.2	+	2790757	2792037	195.896505	142.343399	339.8532802	284.769892	225.883871	-0.689102378	2.524835897	1.6250389
gabP	gi 49175990 ref NC_000913.2	+	2792275	2793675	67.62493826	63.61372693	117.4586957	88.80892972	103.2067408	-0.634695879	2.036361665	1.2257878
csiR	gi 49175990 ref NC_000913.2	+	2793696	2794358	267.6723986	254.5236943	291.5802592	301.4008763	233.6367109	-0.066386184	0.124875851	0.0369374
ygaU	gi 49175990 ref NC_000913.2	-	2794359	2794808	1392.717915	1343.012304	1486.041339	1966.883133	1066.294394	-0.135085955	0.231731488	0.0820292
yqaE	gi 49175990 ref NC_000913.2	-	2794892	2795050	1290.528	1478.918362	1959.27993	1778.251739	1857.610938	-0.445278881	1.204813996	0.6233323
ygaV	gi 49175990 ref NC_000913.2	+	2795233	2795532	88.49574447	105.4886245	77.99934002	94.31750859	134.0663198	-0.112057506	0.093770437	0.024853
ygaP	gi 49175990 ref NC_000913.2	+	2795542	2796066	121.8997001	145.3859897	107.06103	124.5656228	165.5569618	-0.022356778	0.015302098	0
stpA	gi 49175990 ref NC_000913.2	+	2796113	2796517	227.362899	244.0016791	77.93816478	58.9326759	163.7494584	1.279617575	4.71715788	3.4838204
alaE	gi 49175990 ref NC_000913.2	+	2797186	2797635	267.0308731	311.602097	179.4015592	159.5091816	228.4246226	0.588426058	2.044775293	1.2321284
ygaC	gi 49175990 ref NC_000913.2	-	2797672	2798016	174.2995685	164.2893622	110.5466984	135.4525863	116.732744	0.48743245	1.414267388	0.7686126
nrdM	gi 49175990 ref NC_000913.2	+	2798156	2798497	1510.245756	1391.431127	4569.892911	2641.486104	925.5926134	-0.83670198	1.711581084	0.9887211
nrdH	gi 49175990 ref NC_000913.2	+	2798745	2798990	54.47910046	48.40220196	27.9914653	26.98985434	32.42651953	0.83046508	2.463211677	1.5720771
nrdI	gi 49175990 ref NC_000913.2	+	2798987	2799397	89.63708923	67.33934675	40.01476101	40.4300005	46.99233656	0.915471743	3.10229966	2.0997306
nrdE	gi 49175990 ref NC_000913.2	+	2799370	2801514	190.3777518	200.4274252	151.9363579	125.6891517	124.6479078	0.545582671	1.660940149	0.9513929
nrdF	gi 49175990 ref NC_000913.2	+	2801524	2802483	59.36074713	59.86876655	35.57408187	34.69030474	27.09908686	0.794053425	2.410564037	1.5265613
proV	gi 49175990 ref NC_000913.2	+	2802837	2804039	3574.425677	3748.925941	1760.405614	2362.055079	2392.428221	0.73214699	3.098028977	2.0966406
proW	gi 49175990 ref NC_000913.2	+	2804032	2805096	3421.141067	3539.010807	2010.716026	2170.647379	2631.218873	0.602105603	2.130410866	1.3000929
proX	gi 49175990 ref NC_000913.2	+	2805154	2806146	3540.777334	3295.808015	2456.290764	2575.361861	2982.423561	0.359797137	0.974349387	0.4751425
ygaZ	gi 49175990 ref NC_000913.2	+	2807639	2808376	940.0579408	968.818028	1181.93196	1108.891229	1140.819737	-0.262871381	0.633867681	0.2838932
ygaH	gi 49175990 ref NC_000913.2	+	2808366	2808701	318.1922491	299.1595348	297.348315	327.228193	289.5212655	0.02549842	0.029594716	0.0017515
mprA	gi 49175990 ref NC_000913.2	+	2808792	2809322	833.7363053	942.2671721	523.283869	558.4041963	643.6165113	0.602397954	2.465802204	1.5735583
emrA	gi 49175990 ref NC_000913.2	+	2809449	2810621	670.5551924	704.7793685	454.5045891	498.9329725	553.9159427	0.439758971	1.424242038	0.7750308
emrB	gi 49175990 ref NC_000913.2	+	2810638	2812176	541.4346322	530.9315611	464.216134	407.1948915	483.3222737	0.252679577	0.612414241	0.2710778
luxS	gi 49175990 ref NC_000913.2	-	2812240	2812755	2584.770872	2907.426888	1754.253497	1735.674942	2039.071232	0.554536438	1.929819584	1.1485651
gshA	gi 49175990 ref NC_000913.2	-	2812905	2814461	3403.393536	3600.759554	3046.49007	3105.650785	3458.127367	0.11662986	0.257108245	0.0940299
yqaA	gi 49175990 ref NC_000913.2	-	2814534	2814962	1006.679451	933.6253928	929.6005115	846.521989	818.99548	0.181916235	0.355004243	0.1411458
yqaB	gi 49175990 ref NC_000913.2	-	2814959	2815525	930.7285395	922.2586811	895.8346101	911.5628234	1004.918144	-0.018981328	0.022970951	0.0005477
csrA	gi 49175990 ref NC_000913.2	-	2816983	2817168	6145.895698	7422.867629	7279.640468	6703.476188	7457.194814	-0.10116303	0.121329228	0.0355512
alaS	gi 49175990 ref NC_000913.2	-	2817403	2820033	7447.397098	6770.20784	7957.057353	6842.475867	6862.895181	-0.000792814	0.030746999	0.0022473
recX	gi 49175990 ref NC_000913.2	-	2820161	2820661	205.2190257	193.7335311	112.8705035	104.4296527	126.5799563	0.805705126	3.199378166	2.1724452
recA	gi 49175990 ref NC_000913.2	-	2820730	2821791	8420.653263	8505.564822	6018.039346	5964.516723	6056.235314	0.491731374	1.53891993	0.8575505
ygaD	gi 49175990 ref NC_000913.2	-	2821871	2822368	238.314424	309.7499011	249.7275195	243.4492962	295.8859539	0.019586457	0.097893434	0.0262976
mitB	gi 49175990 ref NC_000913.2	-	2822513	2823598	210.9083391	198.4812065	157.8291665	138.1153981	170.3297887	0.406512704	1.073716106	0.5397135
srlA	gi 49175990 ref NC_000913.2	+	2823854	2824417	430.1551288	451.1551288	1649.114230	1420.121038	1201.650429	-1.616038145	10.82313817	8.9840758
srlE	gi 49175990 ref NC_000913.2	+	2824414	2825373	452.4066691	451.1550935	2118.278365	1578.676613	1245.673733	-1.843659711	12.48949811	10.484145
srlB	gi 49175990 ref NC_000913.2	+	2825384	2825755	211.3170395	173.7321005	830.3769409	655.9211258	519.8499664	-1.751448506	12.10701949	10.178346
srlD	gi 49175990 ref NC_000913.2	+	2825759	2826538	705.7587769	641.0744104	2707.479025	2089.878839	1628.179541	-1.63493424	9.807800957	8.0174305

gutM	gi 49175990 ref NC_000913.2	+	2826643	2827002	121.5818587	102.5131574	309.0668582	224.423264	208.9596982	-1.102674435	5.040451882	3.768994
srlR	gi 49175990 ref NC_000913.2	+	2827069	2827842	515.926924	548.0650275	850.1724061	812.8382694	774.1122191	-0.615507069	2.319323618	1.4505608
gutQ	gi 49175990 ref NC_000913.2	+	2827835	2828800	690.5190514	644.8863711	939.6387878	718.9009032	758.4331048	-0.248432294	0.662831527	0.2976012
norR	gi 49175990 ref NC_000913.2	-	2828797	2830311	344.5664273	337.1693282	158.5460841	147.2321719	238.3033425	0.904135802	3.766962581	2.6608389
norV	gi 49175990 ref NC_000913.2	+	2830498	2831937	77.12350648	93.14341263	98.91761447	79.73992667	81.98502895	-0.042859264	0.035809615	0.0036811
norW	gi 49175990 ref NC_000913.2	+	2831934	2833067	52.70438958	59.87249892	65.5683215	48.3568255	48.38227947	0.056086887	0.080909485	0.0203997
hypF	gi 49175990 ref NC_000913.2	-	2833195	2835447	388.541297	403.682995	571.5187142	458.8856628	595.4289596	-0.453186755	1.384781602	0.7512172
hydN	gi 49175990 ref NC_000913.2	-	2835600	2836127	28.25089847	30.40593515	38.5120159	47.93079667	29.43820644	-0.402784027	0.665000175	0.2978756
ascG	gi 49175990 ref NC_000913.2	-	2836276	2837286	151.5488505	144.347975	283.5869445	200.8478257	169.8147344	-0.531137185	1.509295269	0.8318546
ascF	gi 49175990 ref NC_000913.2	+	2837546	2839003	170.8319359	144.3009253	183.0353578	174.9649647	182.8250187	-0.170877311	0.369788631	0.1454249
ascB	gi 49175990 ref NC_000913.2	+	2839012	2840436	174.9474224	131.9111405	177.5267769	168.1831296	159.3968522	-0.093709837	0.232366793	0.082297
hycl	gi 49175990 ref NC_000913.2	-	2840595	2841065	109.8247469	107.3159154	147.1586037	150.1537184	132.5117174	-0.394635573	1.067331549	0.5351483
hycH	gi 49175990 ref NC_000913.2	-	2841058	2841468	68.31347498	62.65602629	73.95077422	72.77012199	56.33694583	-0.030887721	0.050831565	0.0085479
hycG	gi 49175990 ref NC_000913.2	-	2841465	2842232	46.75393047	44.62396765	51.81026113	48.32193322	57.09688679	-0.192063949	0.316948731	0.1239013
hycF	gi 49175990 ref NC_000913.2	-	2842232	2842774	16.52352815	24.76540763	23.59359207	15.87877104	22.37303284	-0.028407468	0	0
hycE	gi 49175990 ref NC_000913.2	-	2842784	2844493	32.8586466	31.32831051	52.26029932	46.94311068	26.22096137	-0.359923292	0.601489224	0.2668653
hycD	gi 49175990 ref NC_000913.2	-	2844511	2845434	17.87942474	14.20863847	18.36166421	14.64832628	15.73373411	0.012614198	0	0
hycC	gi 49175990 ref NC_000913.2	-	2845437	2847263	28.21867847	19.87557759	32.83249105	33.48282067	20.47146417	-0.222671417	0.306759551	0.1187544
hycB	gi 49175990 ref NC_000913.2	-	2847260	2847871	2.905414657	5.730795441	6.984576684	12.22640856	10.09348445	-1.221482241	1.363955063	0.738899
hycA	gi 49175990 ref NC_000913.2	-	2847996	2848457	11.04507516	16.18430202	15.81059956	23.36267296	-0.519881178	0.595397032	0.2640613	0
hypA	gi 49175990 ref NC_000913.2	+	2848669	2849019	523.8925352	494.8217011	1635.476632	1385.967236	1590.548324	-1.580471754	11.50376058	9.618122
hypB	gi 49175990 ref NC_000913.2	+	2849023	2849895	1274.267109	1168.223227	3569.310112	3045.092817	2741.805409	-1.328836028	7.575217298	6.0066956
hypC	gi 49175990 ref NC_000913.2	+	2849886	2850158	324.3178814	322.9298629	1029.505018	807.3293462	693.6307963	-1.36410989	8.083802734	6.4606601
hypD	gi 49175990 ref NC_000913.2	+	2850158	2851279	1663.691541	1485.447682	4328.09263	3538.461451	3328.444081	-1.216094734	6.891940923	5.3858302
hypE	gi 49175990 ref NC_000913.2	+	2851276	2852286	1072.291126	998.214264	2957.550969	2415.064987	2235.896982	-1.269391488	6.779734633	5.2936719
fhIA	gi 49175990 ref NC_000913.2	+	2852360	2854438	666.7099115	592.6243442	1241.385851	1176.052547	1053.520324	-0.85540765	3.926679921	2.7909818
ygbA	gi 49175990 ref NC_000913.2	-	2854475	2854828	89.37377155	74.97193465	126.0547173	124.475223	126.7517524	-0.591514337	1.979343349	1.1836765
mutS	gi 49175990 ref NC_000913.2	+	2855115	2857676	777.9781283	781.693081	854.4798333	744.7463734	828.3208506	-0.143139161	0.282668309	0.1073228
pphB	gi 49175990 ref NC_000913.2	+	2857782	2858438	25.29809588	23.72808696	16.46489528	19.17318865	29.97656595	0.158333138	0.156694989	0.0487535
ygbI	gi 49175990 ref NC_000913.2	-	2858489	2859256	272.0364792	263.0791795	325.9040096	336.0947351	237.1154289	-0.152515304	0.305066514	0.117906
ygbJ	gi 49175990 ref NC_000913.2	+	2859452	2860360	62.32567611	65.54860644	47.97894152	53.74709668	50.49532934	0.324514556	0.710781936	0.3183515
ygbK	gi 49175990 ref NC_000913.2	+	2860357	2861523	139.5235851	168.1877662	113.0934424	102.296796	146.563485	0.321896264	0.854996819	0.4013286
ygbL	gi 49175990 ref NC_000913.2	+	2861615	2862253	24.29855405	29.48120255	34.38359905	24.91630499	39.06012435	-0.300791726	0.417248971	0.1708749
ygbM	gi 49175990 ref NC_000913.2	+	2862258	2863034	51.46292069	57.96988515	57.25910749	58.35317752	64.95740498	-0.153280825	0.202138117	0.0676043
ygbN	gi 49175990 ref NC_000913.2	+	2863123	2864487	75.0000452	81.70631471	94.75558988	120.8758237	106.5896865	-0.467061481	1.193907989	0.6174173
rpoS	gi 49175990 ref NC_000913.2	-	2864581	2865573	3697.126225	3577.920773	3647.629868	3646.764187	2322.611007	0.197802458	0.354995694	0.1411458
nlpD	gi 49175990 ref NC_000913.2	-	2865636	2866775	1658.844014	1672.618237	3126.161899	2269.2582	1570.022497	-0.453099019	1.117926529	0.5675755
pcm	gi 49175990 ref NC_000913.2	-	2866915	2867541	707.3532965	700.9526151	835.2506256	817.1516491	626.3203712	-0.10033374	0.203460948	0.0682219
surE	gi 49175990 ref NC_000913.2	-	2867535	2868296	765.4691387	744.6353168	1020.829696	922.6743147	779.9272367	-0.252246646	0.643647986	0.2873139
truD	gi 49175990 ref NC_000913.2	-	2868277	2869326	758.8610016	805.4641937	928.1329355	849.8265978	759.6507639	-0.113918428	0.217761319	0.075455
ispF	gi 49175990 ref NC_000913.2	-	2869323	2869802	270.3728595	243.1023189	213.916155	254.2549474	209.9167396	0.194333396	0.376768433	0.1485105
ispD	gi 49175990 ref NC_000913.2	-	2869802	2870512	683.8906797	583.1074847	555.5089314	553.7085504	448.9949447	0.314043498	0.708215429	0.3175779
ftsB	gi 49175990 ref NC_000913.2	-	2870531	2870842	855.8422324	799.7056197	775.6284255	671.7050954	693.304935	0.23053993	0.519232958	0.2221304
ygbE	gi 49175990 ref NC_000913.2	-	2871036	2871359	91.72715703	82.5932159	50.89088486	57.21020117	65.99835526	0.591700412	1.753624494	1.0202756
cysC	gi 49175990 ref NC_000913.2	-	2871409	2872014	43.77300919	37.9512749	44.3456589	45.0423686	68.02404493	-0.353196021	0.656554044	0.2943675
cysN	gi 49175990 ref NC_000913.2	-	2872014	2873441	134.6576663	121.5327215	167.878932	162.4060637	117.0546242	-0.196846867	0.407971464	0.1664204
cysD	gi 49175990 ref NC_000913.2	-	2873443	2874351	26.3548823	28.50678241	30.55876733	40.04823858	21.60897457	-0.170930228	0.165990051	0.0525902
iap	gi 49175990 ref NC_000913.2	+	2874603	2875640	168.2724114	178.5846363	142.8655019	178.2216683	199.3868461	-0.020705077	0.000484137	0
ygbF	gi 49175990 ref NC_000913.2	-	2876591	2876875	32.75663764	33.24245458	29.76557325	52.20719854	28.30475325	-0.167206403	0.168131123	0.052933
ygbT	gi 49175990 ref NC_000913.2	-	2877877	2877794	86.44192523	87.14078503	59.78887173	59.52886376	89.52886376	0.108123497	0.161412502	0.0503598
casE	gi 49175990 ref NC_000913.2	-	2877810	2878409	67.04221104	61.70746945	64.29051421	82.81882219	78.46623572	-0.222825761	0.411329133	0.1678377
casD	gi 49175990 ref NC_000913.2	-	2878396	2879070	61.84552723	60.77820079	42.29579088	75.92739097	68.29844849	-0.038042489	0	0
casC	gi 49175990 ref NC_000913.2	-	2879073	2880164	59.33519253	57.92684061	30.42387406	52.6216073	64.65283151	0.23100428	0.407862012	0.1664204
casB	gi 49175990 ref NC_000913.2	-	2880177	2880659	12.466809751	14.26085094	4.252743133	7.781177258	6.719282942	1.061789665	1.711687024	0.9887211
casA	gi 49175990 ref NC_000913.2	-	2880652	2882160	30.80734703	46.64505691	33.09761738	34.67557783	28.17480497	0.232832558	0.441543137	0.180966
ygcB	gi 49175990 ref NC_000913.2	-	2882575	2885241	157.8475949	150.9982068	196.7629627	250.7745806	188.6778785	-0.456638141	1.226510166	0.6406707
cysH	gi 49175990 ref NC_000913.2	-	2885600	2886334	30.86328532	31.34287704	22.73965642	25.74731063	24.67850315	0.346115997	0.548400158	0.2367121

cysl	gi 49175990 ref NC_000913.2	-	2886409	2888121	63.19057973	59.816841	86.58303424	46.4393185	76.1432889	-0.158272067	0.261168657	0.0963912
cysJ	gi 49175990 ref NC_000913.2	-	2888121	2889920	61.65322885	49.3210087	66.41914097	74.95735871	60.72760532	-0.254308714	0.542950598	0.2332111
queD	gi 49175990 ref NC_000913.2	+	2890236	2890601	243.7134812	282.1537164	159.0243237	167.4038802	285.2202036	0.331023278	0.816700594	0.3785126
ycgN	gi 49175990 ref NC_000913.2	+	2890679	2891950	271.2958965	271.6424661	420.1915484	410.2525322	347.9880854	-0.527700289	1.771866954	1.0335255
ycgO	gi 49175990 ref NC_000913.2	+	2891941	2892201	39.53661344	43.71373408	81.77894816	72.8832195	64.12750094	-0.809952706	2.559874983	1.6497983
ycgP	gi 49175990 ref NC_000913.2	+	2892218	2892793	45.54599153	58.00570683	87.90511882	101.9073332	94.24455477	-0.901549134	3.178294769	2.1605571
ycgQ	gi 49175990 ref NC_000913.2	-	2892941	2893801	29.99934829	35.1764509	43.10552789	27.14965534	34.78702408	-0.105758426	0.109208688	0.0294058
ycgR	gi 49175990 ref NC_000913.2	-	2893798	2894577	23.34840791	22.78630812	26.86828643	12.54499443	14.71689366	0.381037656	0.449998038	0.1860452
ycgS	gi 49175990 ref NC_000913.2	-	2894555	2895892	16.98738315	28.59231872	14.8744607	21.14954547	15.77640998	0.340835583	0.540416507	0.2323307
ycgU	gi 49175990 ref NC_000913.2	-	2895986	2897440	61.63777478	66.50659235	55.83221798	53.90218376	61.59507361	0.156134705	0.280502568	0.1059547
ycgW	gi 49175990 ref NC_000913.2	-	2897510	2898295	2.981689483	4.767316574	5.742394549	8.999490317	13.27773564	-1.297412559	1.389296323	0.7538936
ycqE	gi 49175990 ref NC_000913.2	+	2898614	2899891	29.2481153	24.65527041	21.64241282	26.8835929	29.06122028	0.069256279	0.039704048	0.0045152
ycgE	gi 49175990 ref NC_000913.2	+	2899918	2901396	36.68932777	34.17153473	33.62470383	50.12629012	33.82050022	-0.144917036	0.159355906	0.049678
queE	gi 49175990 ref NC_000913.2	-	2902769	2903440	488.0142469	542.3870638	543.0345031	449.6770273	414.1794367	0.132769501	0.273565166	0.1020023
ycgG	gi 49175990 ref NC_000913.2	+	2903733	2904605	8.746698016	9.501862719	6.948591043	13.2724208	7.931573626	-0.055445972	0	0
eno	gi 49175990 ref NC_000913.2	-	2904665	2905963	10717.88064	11615.28305	14172.05921	10771.03601	10292.20647	-0.068315855	0.113432754	0.0319208
pyrG	gi 49175990 ref NC_000913.2	-	2906051	2907688	5949.661983	5989.51188	6185.060617	5891.681382	6047.276127	-0.016331825	0.023140638	0.0005477
mazG	gi 49175990 ref NC_000913.2	-	2907916	2908707	556.0499028	529.0181205	793.2910939	699.4076057	438.1534793	-0.221669807	0.483882657	0.2033661
mazF	gi 49175990 ref NC_000913.2	-	2908778	2909113	283.8659774	288.7459631	365.7238402	361.9850821	285.2500281	-0.233931689	0.519968997	0.2224743
mazE	gi 49175990 ref NC_000913.2	-	2909113	2909361	292.6034679	306.8058744	364.4047793	373.1191384	272.978945	-0.168767381	0.324951687	0.1265519
relA	gi 49175990 ref NC_000913.2	-	2909439	2911673	1720.529609	1515.835391	2405.174738	1984.388559	1446.492324	-0.229122119	0.525953841	0.2256696
rimC	gi 49175990 ref NC_000913.2	-	2911721	2913022	920.9738076	827.2318274	1405.780929	1340.803957	1117.554732	-0.536971722	1.915396951	1.1367122
barA	gi 49175990 ref NC_000913.2	+	2913079	2915835	775.6193973	742.7283765	673.3744913	765.7452711	851.1427924	-0.0108431	0.008526268	0
gudD	gi 49175990 ref NC_000913.2	-	2916067	2917407	114.2084856	113.0193965	239.6643056	176.6347434	122.8498324	-0.634123856	1.782649836	1.0409668
gudX	gi 49175990 ref NC_000913.2	-	2917428	2918768	54.70899965	58.90639302	128.661944	92.06395846	77.7600371	-0.795811027	2.545487377	1.6388695
gudP	gi 49175990 ref NC_000913.2	-	2918770	2920122	35.12436046	38.96406369	139.1158241	77.52239837	42.23633161	-1.188694213	3.022541174	2.0321357
ycqA	gi 49175990 ref NC_000913.2	-	2920557	2921006	815.1808338	825.3880362	1255.284626	1000.201381	930.2047956	-0.360045478	0.984838969	0.4817951
truC	gi 49175990 ref NC_000913.2	-	2921024	2921806	198.2785656	187.0847621	180.3232378	161.2609448	184.9921142	0.143419288	0.254273377	0.0924466
ycqC	gi 49175990 ref NC_000913.2	-	2921806	2922135	104.8469388	99.7077493	99.35390632	82.08145905	105.2799466	0.10715773	0.164492849	0.0519869
syd	gi 49175990 ref NC_000913.2	-	2922757	2923302	499.8805762	576.5977704	475.7134753	568.3280968	585.3818677	-0.042556787	0.015492685	0
ycqF	gi 49175990 ref NC_000913.2	+	2923370	2924218	552.7851921	543.280131	456.6904445	489.9002045	490.1565487	0.193487564	0.446990351	0.1843451
ycgH	gi 49175990 ref NC_000913.2	+	2924330	2925694	3739.279831	3746.054178	9087.434782	9199.846916	6485.241581	-1.134028774	5.282528881	3.9864817
sdaC	gi 49175990 ref NC_000913.2	+	2926251	2927540	2720.629782	2895.052178	2360.337497	2085.625216	2714.279073	0.224594185	0.5152497	0.2209121
sdaB	gi 49175990 ref NC_000913.2	+	2927598	2928965	915.0478197	882.3538125	749.6651392	669.5808976	844.402299	0.256957288	0.63217397	0.2835224
ycgD	gi 49175990 ref NC_000913.2	+	2929077	2929887	336.6239779	303.8908903	454.939817	534.9398625	727.3919775	-0.839067709	3.336574672	2.2936866
fucO	gi 49175990 ref NC_000913.2	-	2929887	2931035	178.8629161	129.0455641	359.8254031	313.8581837	237.134894	-0.923787689	3.918558091	2.7849363
fucA	gi 49175990 ref NC_000913.2	-	2931063	2931710	46.50509206	50.35830097	153.9216903	124.4087908	85.75155062	-1.313537028	5.594624989	4.2611724
fucP	gi 49175990 ref NC_000913.2	+	2932257	2933573	109.5082845	94.92575324	227.2314885	318.4956988	446.8061109	-1.698736643	8.733049423	7.0474143
fucI	gi 49175990 ref NC_000913.2	+	2933606	2935381	183.517806	188.0685513	376.7014825	391.1619519	340.0626429	-0.992323633	4.799251091	3.5548247
fucK	gi 49175990 ref NC_000913.2	+	2935460	2936908	112.8927579	113.9766754	218.9919428	168.2740791	143.9392389	-0.62600483	1.950466447	1.1616638
fucU	gi 49175990 ref NC_000913.2	+	2936910	2937332	105.2482685	109.2377786	125.4144513	102.1583346	103.3165547	-0.035381594	0.056942699	0.0108652
fucR	gi 49175990 ref NC_000913.2	+	2937390	2938121	222.8832359	210.8306871	283.4025376	331.8596323	375.4960252	-0.60948419	2.029804451	1.2212938
rimM	gi 49175990 ref NC_000913.2	-	2938165	2939265	463.1632325	457.799744	401.9216605	399.1144655	383.703932	0.224626852	0.526779888	0.2262827
ycgD	gi 49175990 ref NC_000913.2	-	2939258	2939653	95.93044472	73.04037899	98.22962687	75.1298002	53.15870564	0.214365776	0.245487582	0.0896554
gcvA	gi 49175990 ref NC_000913.2	-	2939672	2940589	282.4157043	304.9190275	202.7648903	273.4199256	288.0244935	0.17981368	0.425418573	0.1743904
ycgI	gi 49175990 ref NC_000913.2	-	2940940	2941167	1621.31442	1781.888243	1764.343795	4068.968502	3373.950138	-0.897332693	2.495010365	1.5994257
csdA	gi 49175990 ref NC_000913.2	+	2941359	2942564	1017.839401	999.1890074	863.9945186	943.9141244	905.2475044	0.156462407	0.3354997	0.1322937
csdE	gi 49175990 ref NC_000913.2	+	2942564	2943007	459.9714318	459.7043931	371.5855586	377.8285703	380.2569306	0.287406746	0.758596682	0.3450565
csdL	gi 49175990 ref NC_000913.2	-	2943058	2943864	435.6368799	400.7789898	405.4508303	388.8151896	275.2760383	0.271686207	0.568472305	0.2488581
mltA	gi 49175990 ref NC_000913.2	-	2944103	2945200	704.7938265	505.7065513	505.7265659	475.5793235	594.2333029	0.422372182	1.289573479	0.6874068
amiC	gi 49175990 ref NC_000913.2	-	2945779	2947032	1220.032555	1108.380903	889.1838909	961.8681927	932.1604153	0.33803802	0.894814871	0.4285397
argA	gi 49175990 ref NC_000913.2	+	2947264	2948595	216.7152766	195.6146208	180.9921793	211.8066289	211.9165605	0.03899598	0.047132203	0.0075492
recD	gi 49175990 ref NC_000913.2	-	2948657	2950483	525.3850654	463.4473221	565.9116439	515.7218597	455.6728074	-0.026202793	0.083772171	0.021045
recB	gi 49175990 ref NC_000913.2	-	2950483	2954025	1440.116613	1360.099046	1493.233132	1279.349448	1267.703445	0.072684021	0.10102376	0.0266333
ptrA	gi 49175990 ref NC_000913.2	-	2954018	2956906	1293.673015	1239.479808	1314.822756	1249.082921	1388.591436	-0.050805254	0.0944496102	0.0250659
recC	gi 49175990 ref NC_000913.2	-	2957082	2960450	1143.252367	1173.975731	1256.324713	1225.437492	1221.602405	-0.093854619	0.168791999	0.0531308
ppdC	gi 49175990 ref NC_000913.2	-	2960463	2960786	96.54282855	121.6584506	94.22420648	88.67662499	99.74578495	0.182485271	0.432926438	0.1770091

ygdB	gi 49175990 ref NC_000913.2	-	2960771	2961178	62.80132233	53.13531939	62.09880297	58.29487958	52.84701078	0.030226162	0.00045272	0
ppdB	gi 49175990 ref NC_000913.2	-	2961175	2961738	86.03088183	77.8464482	78.54741295	87.38256678	84.1261214	-0.015741288	0.020534469	0
ppdA	gi 49175990 ref NC_000913.2	-	2961729	2962199	57.06369424	49.3438511	37.48763469	48.0318243	39.33778577	0.365057477	0.682297352	0.3057851
thyA	gi 49175990 ref NC_000913.2	-	2962383	2963177	1109.252238	1115.077261	925.8513246	904.7424442	847.0341141	0.319507782	0.86641558	0.4097061
lgt	gi 49175990 ref NC_000913.2	-	2963184	2964059	1215.291104	1211.004081	1116.746136	1091.917276	946.977684	0.2111054876	0.47795646	0.2010025
ptsP	gi 49175990 ref NC_000913.2	-	2964210	2966456	2081.031147	2070.582968	2124.830284	1955.266097	1736.6926	0.106606557	0.178300016	0.0563259
rppH	gi 49175990 ref NC_000913.2	-	2966469	2966999	2105.660831	2082.92772	2142.897713	2264.67317	2247.934231	-0.084179555	0.139935077	0.0418239
mutH	gi 49175990 ref NC_000913.2	+	2967684	2968373	133.4114193	150.1126035	119.531481	117.7923921	128.9089412	0.199086545	0.458583068	0.1918802
ygdQ	gi 49175990 ref NC_000913.2	+	2968442	2969155	407.6051579	406.5139889	341.501281	372.2466651	411.4758023	0.111860409	0.228207922	0.0798549
ygdR	gi 49175990 ref NC_000913.2	+	2969293	2969511	2139.909138	2411.625943	2555.507096	2325.538386	3053.000322	-0.236629254	0.44081206	0.1808157
tas	gi 49175990 ref NC_000913.2	+	2969619	2970659	1176.564497	1254.72786	1269.720769	1241.175079	1310.129316	-0.076698417	0.11573312	0.0327284
lplT	gi 49175990 ref NC_000913.2	-	2970691	2971884	396.1846514	402.7233198	473.1787319	458.4506127	379.435572	-0.125599788	0.249575798	0.089991
aas	gi 49175990 ref NC_000913.2	-	2971877	2974036	843.2808729	930.858165	827.7297085	764.741741	822.1922911	0.128358043	0.25976626	0.1152438
galR	gi 49175990 ref NC_000913.2	+	2974621	2975652	623.1765365	552.7314808	897.8035431	921.3714437	703.6961364	-0.494251732	1.700155268	0.9806619
lysA	gi 49175990 ref NC_000913.2	-	2975659	2976921	163.4867682	158.6021536	193.8314096	184.0120055	215.2058714	-0.292698917	0.682404542	0.3057851
lysR	gi 49175990 ref NC_000913.2	+	2977043	2977978	224.6519926	221.2955321	212.6184694	228.699817	236.6010602	-0.02130863	0.022659657	0.0005477
ygeA	gi 49175990 ref NC_000913.2	-	2977965	2978657	212.0585561	207.0447063	255.1633147	196.4079671	204.2941075	-0.045548477	0.09171411	0.0238778
araE	gi 49175990 ref NC_000913.2	-	2978786	2980204	175.7798699	153.8122176	183.7885354	208.5678511	240.8965754	-0.348625838	0.846937146	0.3971622
kduD	gi 49175990 ref NC_000913.2	-	2980519	2981280	127.8882957	108.2125353	188.1770413	200.4677668	150.6269591	-0.581579476	1.844251559	1.0837566
kdul	gi 49175990 ref NC_000913.2	-	2981310	2982146	91.26261042	98.80461143	97.48255474	126.4796493	113.2935866	-0.26068438	0.500269126	0.213194
yqeF	gi 49175990 ref NC_000913.2	-	2982433	2983614	279.5059548	279.2399949	394.3469426	327.427761	281.8883969	-0.246386322	0.570106413	0.2491116
yqeG	gi 49175990 ref NC_000913.2	+	2983869	2985098	557.5697406	592.7066304	328.8242175	345.6486355	553.3489036	0.467504975	1.412626247	0.7674428
yqeH	gi 49175990 ref NC_000913.2	+	2985558	2986190	18.15697204	19.95787056	1.762701944	6.69566858	8.824624328	1.664889455	3.888435554	2.7656595
yqel	gi 49175990 ref NC_000913.2	+	2986524	2987333	46.4266826	52.26938759	40.90800172	68.18552027	68.21966215	-0.292201243	0.43277294	0.1770091
ygeH	gi 49175990 ref NC_000913.2	+	2990116	2991492	8.14079456	8.54825971	9.603035511	11.26268157	15.55679271	-0.545535566	0.572261657	0.2499251
insD	gi 49175990 ref NC_000913.2	-	2994394	2995299	1296.233766	1229.026949	1154.275566	1169.333336	1138.600913	0.137349545	0.269222472	0.0994297
insC	gi 49175990 ref NC_000913.2	-	2995257	2995622	733.3581122	841.5941312	806.8778844	837.4979753	860.3109514	-0.106515361	0.155133336	0.0487535
ygeR	gi 49175990 ref NC_000913.2	-	2997158	2997913	846.3561387	956.5143739	1040.385104	1116.585283	1073.5167753	-0.276544879	0.608783517	0.2691543
xdhA	gi 49175990 ref NC_000913.2	+	2998367	3000625	161.6817058	189.0727585	219.6608769	291.2038997	251.3019751	-0.564946879	1.599970438	0.898541
xdhB	gi 49175990 ref NC_000913.2	+	3000636	3001514	41.79087171	37.96343294	54.19861981	51.56659205	47.21854671	-0.338604824	0.682195799	0.3057851
xdhC	gi 49175990 ref NC_000913.2	+	3001511	3001990	33.52328479	31.32359545	32.33794527	47.92557036	34.89004827	-0.243803961	0.374752024	0.1474503
ygeV	gi 49175990 ref NC_000913.2	-	3002030	3003808	966.7602751	940.2963413	1743.11543	2398.961802	2251.198091	-1.17027513	5.758669569	4.3942678
ygeW	gi 49175990 ref NC_000913.2	+	3004284	3005474	25.29809588	23.72808696	34.0423907	63.43250852	41.64598229	-0.925796894	2.308373511	1.4419641
ygeX	gi 49175990 ref NC_000913.2	+	3005532	3006728	154.4240923	130.0539172	138.6600966	181.3767503	159.3036334	-0.154703491	0.300470329	0.11561
ygeY	gi 49175990 ref NC_000913.2	+	3006786	3007997	39.75993394	42.75758278	57.34302651	63.86603737	63.89869727	-0.594607241	1.550879951	0.8653327
hyuA	gi 49175990 ref NC_000913.2	+	3008050	3009435	42.05222083	46.56435513	60.59759875	42.87707856	58.22747178	-0.284937351	0.489167672	0.2068165
yqeA	gi 49175990 ref NC_000913.2	+	3009483	3010415	72.6107279	70.27104589	102.4697565	110.9770714	114.3465705	-0.612049685	1.982081747	1.1850807
yqeB	gi 49175990 ref NC_000913.2	-	3010636	3012261	216.7912868	190.8554784	689.6994108	715.1300614	590.2888154	-1.685771329	12.69999529	10.62156
yqeC	gi 49175990 ref NC_000913.2	-	3012309	3013079	97.00830112	79.71284779	390.1611356	404.6929544	391.5168283	-2.137625444	17.59851138	15.10254
mocA	gi 49175990 ref NC_000913.2	+	3013182	3013760	134.9463941	137.726353	377.9922004	514.4464401	540.393448	-1.82601434	12.51801414	10.484145
ygfK	gi 49175990 ref NC_000913.2	+	3014082	3017180	165.688052	179.5429841	338.4186441	407.6965698	283.0469311	-1.001966189	4.376763722	3.1868051
ssnA	gi 49175990 ref NC_000913.2	+	3017183	3018511	22.79911667	20.87508081	92.35375143	100.5414143	53.24782961	-1.88691162	8.34473443	6.6986078
ygfM	gi 49175990 ref NC_000913.2	+	3018562	3019341	26.96932875	29.45002783	78.74632397	106.1726235	78.69965986	-1.650542989	7.907137889	6.2972235
xdhD	gi 49175990 ref NC_000913.2	+	3019338	3022208	150.9636975	141.4923085	313.1509626	319.5000618	309.6385305	-1.094042911	5.62113083	4.283058
xanQ	gi 49175990 ref NC_000913.2	+	3022373	3023773	60.32897721	66.51337649	62.90729819	97.01347977	57.52274158	-0.212062747	0.306161594	0.1186729
guaD	gi 49175990 ref NC_000913.2	+	3023788	3025107	118.1558217	110.1478405	113.6275422	111.9656835	82.22121153	0.170190295	0.282223509	0.1071941
ygfQ	gi 49175990 ref NC_000913.2	+	3025143	3026510	116.6567818	118.728804	99.71303083	118.6050203	93.28558318	0.175553345	0.35094615	0.1391697
ygfS	gi 49175990 ref NC_000913.2	-	3026546	3027034	46.62688119	47.49133367	45.30018099	37.2741029	60.23024467	-0.020648253	0.005975646	0
ygfT	gi 49175990 ref NC_000913.2	-	3027034	3028953	58.33195994	67.47844303	72.8280509	67.33273663	69.56417695	-0.165833583	0.249198345	0.0909169
ygfU	gi 49175990 ref NC_000913.2	+	3029389	3030837	16.99970835	17.0929588	24.31883154	38.89914938	23.74209353	-0.770247654	1.484557241	0.8131626
idi	gi 49175990 ref NC_000913.2	+	3031087	3031635	339.2929203	434.172032	300.7262096	384.3911436	382.3616377	0.074236244	0.225400986	0.0787822
lysB	gi 49175990 ref NC_000913.2	-	3031679	3033196	3608.272433	3379.394389	2860.900704	2846.775725	3557.785879	0.181660457	0.374627434	0.1474503
prfB	gi 49175990 ref NC_000913.2	+	3033206	3034228	2447.72336	2381.160556	1773.998757	1698.69101	1974.056429	0.41347747	1.150424474	0.5889647
recJ	gi 49175990 ref NC_000913.2	-	3034395	3036128	1700.880889	1535.792932	1594.19524	1408.256098	1393.316239	0.164798129	0.285514459	0.1086502
dsbC	gi 49175990 ref NC_000913.2	-	3036134	3036844	807.7519545	784.5266439	699.3477907	690.7127474	757.0495783	0.156109825	0.339904979	0.1335511
xerD	gi 49175990 ref NC_000913.2	-	3036869	3037765	875.2930615	844.3615609	901.8967045	884.5267661	792.1297019	0.009460633	0.003120926	0
fldB	gi 49175990 ref NC_000913.2	+	3037877	3038398	1008.870719	1029.601359	1077.244168	1071.805097	1039.90709	-0.062455873	0.103374852	0.0276965

ygfX	gi 49175990 ref NC_000913.2	-	3038438	3038845	799.3504632	822.5462063	1105.152425	1144.60275	1046.695817	-0.441807028	1.343127105	0.7266489
ygfY	gi 49175990 ref NC_000913.2	-	3038826	3039092	1012.348054	1130.324438	1385.997868	1293.807118	1195.947419	-0.280234946	0.658280013	0.2958479
ygfZ	gi 49175990 ref NC_000913.2	+	3039335	3040315	1485.422356	1454.147413	1362.222859	1315.067481	1192.584935	0.195678403	0.417385048	0.1708749
yqfA	gi 49175990 ref NC_000913.2	-	3040511	3041170	857.3577264	893.7882863	1012.14681	995.5614152	946.8411054	-0.17341131	0.350217357	0.1391697
yqfB	gi 49175990 ref NC_000913.2	-	3041334	3041645	252.7871428	270.7218213	175.161643	179.3496332	171.6761898	0.568121102	1.959174715	1.1681457
bgIA	gi 49175990 ref NC_000913.2	+	3041684	3043123	904.9965808	861.4519274	1048.420071	939.4242398	707.1666008	-0.004582299	0.033617587	0.0030156
ygfF	gi 49175990 ref NC_000913.2	-	3043180	3043923	239.0339275	200.3330113	517.2952714	468.3652159	259.876204	-0.875983376	3.202755576	2.1737661
gcvP	gi 49175990 ref NC_000913.2	-	3044190	3047063	5489.456734	4909.518954	13878.41626	11355.98572	7520.805899	-1.032886614	4.113926949	2.9573309
gcvH	gi 49175990 ref NC_000913.2	-	3047182	3047571	2189.037945	2114.260037	5716.429692	4379.262512	3406.140509	-1.038404043	4.623294649	3.4025463
gcvT	gi 49175990 ref NC_000913.2	-	3047595	3048689	6446.576609	5943.878429	13190.29935	11283.13478	8382.137503	-0.794152622	2.913647843	1.9452075
visC	gi 49175990 ref NC_000913.2	-	3049137	3050339	1308.517562	1365.845602	1746.425106	1500.14607	1344.122706	-0.189699902	0.403568992	0.1637518
ubiH	gi 49175990 ref NC_000913.2	-	3050362	3051540	1220.635225	1117.882766	1701.144287	1385.854773	1282.422239	-0.291255251	0.780059969	0.3576663
pepP	gi 49175990 ref NC_000913.2	-	3051537	3052862	2587.231674	2477.083886	3440.710319	2915.083097	2775.383607	-0.24898242	0.617044145	0.2743015
ygfB	gi 49175990 ref NC_000913.2	-	3052888	3053466	1409.115765	1362.009644	1625.035438	1469.972549	1608.516373	-0.170551023	0.361259648	0.1426462
zapA	gi 49175990 ref NC_000913.2	+	3053634	3053963	3002.296593	3575.172774	2619.627644	4457.37029	4759.027874	-0.314018968	0.50484232	0.2150742
fau	gi 49175990 ref NC_000913.2	+	3054263	3054811	652.6981771	725.7017241	538.6266005	761.0412795	775.9731247	-0.037454618	0.003566503	0
ibsC	gi 49175990 ref NC_000913.2	-	3054912	3054971	426.0108183	498.7194031	707.0145564	772.755853	1170.328649	-0.971148389	3.808120667	2.6965168
serA	gi 49175990 ref NC_000913.2	-	3055200	3056432	1254.386826	1259.448079	1188.183267	1183.729636	885.4662559	0.217829731	0.474061047	0.1991532
rpiA	gi 49175990 ref NC_000913.2	-	3056688	3057347	2441.244854	2490.411822	1965.129328	2124.480614	2026.997202	0.26861831	0.651551044	0.2917747
argP	gi 49175990 ref NC_000913.2	+	3057775	3058668	932.4109764	982.1257594	791.9743305	960.9177724	1244.554272	-0.085012099	0.096197084	0.057826
scpA	gi 49175990 ref NC_000913.2	+	3058872	3061016	166.2775823	147.1684409	137.1558999	174.6228972	143.6927658	0.055111664	0.070871532	0.0170551
argK	gi 49175990 ref NC_000913.2	+	3061009	3062004	40.81839393	31.27589836	33.36342955	32.60985714	40.23872403	0.051897443	0.015622838	0
scpB	gi 49175990 ref NC_000913.2	+	3062015	3062800	26.69519291	22.75953856	18.90196054	23.49775007	23.50946063	0.180274072	0.205216773	0.0686433
scpC	gi 49175990 ref NC_000913.2	+	3062824	3064302	73.8695	93.15831491	85.10517578	89.68111767	90.82870807	-0.114786969	0.116004033	0.0327284
ygfI	gi 49175990 ref NC_000913.2	-	3064299	3065195	123.39466	107.2728145	101.7523852	132.2209899	144.4498149	-0.124528559	0.217203586	0.0750873
yggE	gi 49175990 ref NC_000913.2	-	3065362	3066102	2448.443223	2323.210099	1422.847021	1650.215754	1636.5213	0.604158251	2.094296167	1.2725501
argO	gi 49175990 ref NC_000913.2	-	3066195	3066830	241.3194512	267.8879189	148.4295865	119.1484335	161.2967469	0.82091731	3.411456558	2.3602507
mscS	gi 49175990 ref NC_000913.2	-	3066969	3067829	2073.654708	2336.59071	951.7146181	810.6528329	731.6461966	1.401108284	9.616463068	7.8453977
fbA	gi 49175990 ref NC_000913.2	-	3068187	3069266	8789.949141	8492.245806	12566.66731	9952.496193	8506.525683	-0.237290686	0.537244085	0.2313891
pgk	gi 49175990 ref NC_000913.2	-	3069481	3070644	7338.387253	7618.454071	9816.121557	7678.775627	6025.366668	-0.053745088	0.099824625	0.0263424
epd	gi 49175990 ref NC_000913.2	-	3070694	3071713	4002.405524	4012.00175	5927.102372	5444.235136	4610.646591	-0.402338077	1.099849834	0.5577652
yggC	gi 49175990 ref NC_000913.2	-	3071998	3072711	431.9528863	466.3883587	394.1506179	403.6035592	402.6989837	0.154928753	0.363152546	0.1432896
yggD	gi 49175990 ref NC_000913.2	-	3072708	3073217	473.070944	494.8683196	514.4289838	618.8742618	716.4289312	-0.368091493	0.936455008	0.4552629
yggF	gi 49175990 ref NC_000913.2	-	3073239	3074204	30.09672839	33.26229282	41.55752884	28.14290195	24.89376992	0.015188339	0	0
ygfP	gi 49175990 ref NC_000913.2	-	3074201	3075478	11.53380892	18.10871562	15.85283841	15.67692621	13.53233497	-0.05565734	0	0
cmtA	gi 49175990 ref NC_000913.2	-	3075493	3076881	16.45879006	15.18035923	12.38869739	16.81425914	20.0486389	-0.055692002	0	0
cmtB	gi 49175990 ref NC_000913.2	-	3076909	3077352	4.271684875	5.711995943	0.38569443	8.864406531	9.930988512	-0.435693129	0.146658879	0.0441955
tkfA	gi 49175990 ref NC_000913.2	-	3077666	3079657	3242.529247	3390.845458	2470.384746	2285.073903	2653.856604	0.418924618	1.29752667	0.6927928
yggG	gi 49175990 ref NC_000913.2	+	3079935	3080693	932.0786969	900.4010693	1010.288121	956.2236205	756.4259703	0.027240934	0.024206796	0.0005477
speB	gi 49175990 ref NC_000913.2	-	3080899	3081819	778.7488762	751.2801228	1046.773709	797.3058213	736.1854706	-0.147110127	0.342125606	0.1341942
speA	gi 49175990 ref NC_000913.2	-	3081957	3083933	4108.633675	3873.299595	4362.441399	4071.089612	4967.901678	-0.155891609	0.316317043	0.1237082
yqgB	gi 49175990 ref NC_000913.2	-	3083942	3084073	137.4645601	140.5766027	126.7093678	116.965622	194.5468175	-0.083299083	0.094683268	0.0250983
yqgC	gi 49175990 ref NC_000913.2	+	3084209	3084424	973.0924328	1130.343467	993.7977471	1046.465726	1852.07215	-0.342330901	0.606572343	0.2684995
metK	gi 49175990 ref NC_000913.2	+	3084728	3085882	1101.267162	1040.012664	739.7770214	754.7863493	1052.755454	0.332803825	0.841489311	0.3950345
galP	gi 49175990 ref NC_000913.2	+	3086306	3087700	3429.57867	3321.471974	9270.409262	8559.870928	7050.45339	-1.282999121	6.926573204	5.4170293
yggI	gi 49175990 ref NC_000913.2	+	3087777	3088274	158.6696638	176.7045969	135.4130876	137.9001654	137.971742	0.275643361	0.672095872	0.301217
endA	gi 49175990 ref NC_000913.2	+	3088369	3089076	131.4341266	121.5419375	117.4266256	138.9919801	151.23561	-0.102422899	0.164577361	0.0519869
rsmE	gi 49175990 ref NC_000913.2	+	3089156	3089887	508.9979078	446.348226	458.9146895	450.6910781	430.8332911	0.116706632	0.187382059	0.0607696
gshB	gi 49175990 ref NC_000913.2	+	3089900	3090850	663.2527203	643.9544656	701.1717279	668.07471	519.7497679	0.066693435	0.095353596	0.025393
yqgE	gi 49175990 ref NC_000913.2	+	3090959	3091522	633.9745882	662.9852269	662.291949	689.5115521	714.4706002	-0.096110195	0.159805951	0.049678
yqgF	gi 49175990 ref NC_000913.2	+	3091522	3091938	324.8609466	332.4400843	284.184849	293.7723643	312.861152	0.140156661	0.298380315	0.1149772
yqgR	gi 49175990 ref NC_000913.2	-	3092122	3093102	78.272698	98.85912249	75.01217032	93.00528834	100.7609384	-0.055962374	0.014014262	0
yqgS	gi 49175990 ref NC_000913.2	+	3093120	3093824	365.5758436	410.3667479	297.0631636	272.5668267	298.3258898	0.409181578	1.295397139	0.6910922
yqgT	gi 49175990 ref NC_000913.2	+	3093842	3094408	423.8173381	448.332494	336.0401047	336.4819071	402.4450933	0.270891475	0.71114105	0.3184473
yqgU	gi 49175990 ref NC_000913.2	+	3094405	3094695	245.2683292	210.7908105	185.4608975	136.0780652	203.8402769	0.40528357	0.940500856	0.4570426
rdgB	gi 49175990 ref NC_000913.2	+	3094703	3095296	455.9506567	404.5621352	333.5566234	357.7125743	411.4269742	0.236921066	0.520579698	0.2226309
yqgW	gi 49175990 ref NC_000913.2	+	3095289	3096425	639.2146744	631.6150493	493.95284	490.1087774	602.06878	0.261997211	0.644987741	0.2881689

yggM	gi 49175990 ref NC_000913.2	-	3096580	3097587	91.18762153	101.6648305	86.40633624	131.1506212	167.6990374	-0.449040749	0.878926661	0.4176149
ansB	gi 49175990 ref NC_000913.2	-	3097704	3098750	4334.161525	3802.029414	19345.75101	15496.39852	10346.45865	-1.847320991	10.83501028	8.9885239
yggN	gi 49175990 ref NC_000913.2	-	3098926	3099645	299.7417494	295.3808083	465.62433	428.4307719	483.3612139	-0.622349406	2.30419398	1.4393544
yggL	gi 49175990 ref NC_000913.2	-	3098829	3100155	750.76513	772.2059364	725.5883123	735.3911705	660.8572261	0.104554526	2.016848422	0.0750873
trml	gi 49175990 ref NC_000913.2	-	3100155	3100874	767.7710618	796.9053365	663.3309545	668.1740207	639.4579545	0.247394951	0.638710698	0.2852082
mutY	gi 49175990 ref NC_000913.2	+	3101035	3102087	948.9964811	948.8576491	747.6789362	827.4703786	969.978218	0.1525852	0.338684239	0.1335511
yggX	gi 49175990 ref NC_000913.2	+	3102115	3102390	508.8843386	461.5601714	296.5308169	327.4349431	382.2199025	0.53777135	1.811217624	1.0592385
mitC	gi 49175990 ref NC_000913.2	+	3102455	3103534	281.611732	263.0642917	270.8834113	286.9813704	286.017619	-0.039957164	0.069853747	0.0170551
nupG	gi 49175990 ref NC_000913.2	+	3103736	3104992	1149.779512	1109.358968	1975.664028	1974.4007	2118.85457	-0.837311484	3.572202031	2.5001067
speC	gi 49175990 ref NC_000913.2	-	3105042	3107177	469.0257558	438.7787164	498.5324855	478.7038507	436.5235634	-0.040366131	0.090485002	0.023835
yqgA	gi 49175990 ref NC_000913.2	+	3107575	3108282	257.5012304	250.7346402	493.0862506	441.8077292	433.1076509	-0.83339098	3.757421439	2.6526686
yghD	gi 49175990 ref NC_000913.2	-	3108612	3109148	124.8757061	126.3250794	74.03378998	90.94254399	128.4636173	0.342822405	0.809158492	0.3724304
yghG	gi 49175990 ref NC_000913.2	-	3111089	3111499	6.629690701	10.48804508	8.063233974	6.821611073	11.10545061	-0.055394062	0	0
pppA	gi 49175990 ref NC_000913.2	-	3111565	3112374	97.0990511	98.78229471	75.98116671	62.04789882	109.3964045	0.240699505	0.455464957	0.1898325
yghJ	gi 49175990 ref NC_000913.2	-	3112572	3117134	277.3107989	304.9270722	187.388033	200.6739262	207.441935	0.535372503	1.887464271	1.116399
glcA	gi 49175990 ref NC_000913.2	-	3117619	3119301	70.23751215	63.60162572	40.68498013	64.76976306	57.14878299	0.300290855	0.595290869	0.2640613
glcB	gi 49175990 ref NC_000913.2	-	3119656	3121827	526.7687145	448.2344715	634.611215	548.2616382	471.4504782	-0.143849415	0.363652018	0.1434578
glcG	gi 49175990 ref NC_000913.2	-	3121849	3122253	112.9860441	110.16449	135.8875673	117.7140094	96.77022552	-0.051081304	0.091039247	0.023835
glcF	gi 49175990 ref NC_000913.2	-	3122258	3123481	166.7709958	154.7853534	180.1279475	172.627163	154.9680215	-0.059363476	0.118417911	0.0339371
glcE	gi 49175990 ref NC_000913.2	-	3123492	3124544	9.428627112	9.49423632	9.288861424	7.911895842	10.05802026	0.063607689	0.014193893	0
glcD	gi 49175990 ref NC_000913.2	-	3124544	3126043	18.89251215	18.99262747	18.90193291	28.88798332	18.10164176	-0.218489137	0.209872302	0.0715429
glcC	gi 49175990 ref NC_000913.2	+	3126294	3127058	155.6702442	164.3349653	143.4294035	139.1289325	158.031422	0.11511752	0.218413636	0.0758113
insH	gi 49175990 ref NC_000913.2	+	3128200	3129216	911.5673935	965.9818134	856.2446622	1002.136914	933.2864524	-0.001688187	0.023104184	0.0005477
yghQ	gi 49175990 ref NC_000913.2	-	3129363	3130430	55.3957218	42.6654214	61.53944354	70.63439431	78.35476387	-0.494636849	1.264189454	0.6692154
yghR	gi 49175990 ref NC_000913.2	-	3130476	3131234	7.920419408	11.43256103	5.525194489	3.526769036	12.07846184	0.413024471	0.434422156	0.1772689
yghS	gi 49175990 ref NC_000913.2	-	3131266	3131979	9.076934583	14.2991947	13.38445383	13.49342626	15.64984678	-0.316644686	0.235945534	0.0837617
yghT	gi 49175990 ref NC_000913.2	+	3132153	3132845	7.535887652	7.594538163	1.734057652	9.855828008	4.544355052	0.451773723	0.325816284	0.1268477
pitB	gi 49175990 ref NC_000913.2	-	3132894	3134393	13.56035108	18.08634601	15.9698554	14.64705462	17.88457136	-0.055683967	0	0
gss	gi 49175990 ref NC_000913.2	-	3134685	3136544	1359.120251	1369.628001	1271.585752	1132.366216	994.1407162	0.276857184	0.669699027	0.2998344
yghU	gi 49175990 ref NC_000913.2	+	3136749	3137615	448.8413538	418.8316362	631.8203422	554.9085632	428.9445033	-0.289052536	0.756579547	0.3439111
hybG	gi 49175990 ref NC_000913.2	-	3137738	3137986	124.0647773	106.31783	333.926105	294.9725091	301.8128111	-1.403204546	8.512562805	6.8471311
hybF	gi 49175990 ref NC_000913.2	-	3137999	3138340	115.9886505	119.6838167	461.1765728	404.828954	399.4607985	-1.835683254	13.64544853	11.497932
hybE	gi 49175990 ref NC_000913.2	-	3138333	3138821	268.5899287	284.9650886	1173.108977	889.3289778	945.7600007	-1.851612057	14.33479688	12.105094
hybD	gi 49175990 ref NC_000913.2	-	3138814	3139308	263.385435	240.259048	1415.017496	1077.445525	763.4280951	-2.071132736	14.85655199	12.58906
hybC	gi 49175990 ref NC_000913.2	-	3139308	3141011	738.8986264	733.2468647	3947.554022	2900.474558	2101.669928	-1.992316668	12.28560942	10.319148
hybB	gi 49175990 ref NC_000913.2	-	3141008	3142186	688.4677046	673.4020308	2991.58557	2366.797525	1905.192372	-1.808388262	11.55861803	9.6569018
hybA	gi 49175990 ref NC_000913.2	-	3142176	3143162	985.9660334	886.1202923	3949.595712	3213.231911	2570.371198	-1.761022108	11.16182164	9.2922699
hybO	gi 49175990 ref NC_000913.2	-	3143165	3144283	1117.09555	1039.055734	4240.77299	3731.206753	3359.858231	-1.788862319	12.54630635	10.486446
yghW	gi 49175990 ref NC_000913.2	-	3144472	3144759	10.11035759	9.486840646	20.27345482	26.81169462	24.66299319	-1.278034838	3.009326022	2.0214758
gpr	gi 49175990 ref NC_000913.2	+	3145919	3146959	526.5860893	570.8700082	1021.874614	943.8305968	656.7618345	-0.670063976	2.406190504	1.5230033
yqhA	gi 49175990 ref NC_000913.2	-	3146999	3147493	716.2277296	845.4067921	810.4809393	762.4603969	790.8242167	-0.034496719	0.01703851	0
yghA	gi 49175990 ref NC_000913.2	+	3147684	3148568	284.5465835	284.9398811	325.2498859	410.9806454	270.7434715	-0.239681357	0.491569481	0.2084005
exbD	gi 49175990 ref NC_000913.2	-	3148840	3149265	873.8511279	888.0773776	342.6497263	265.9021216	267.1558633	1.603926088	12.28798699	10.319148
exbB	gi 49175990 ref NC_000913.2	-	3149272	3150006	1924.516553	1929.064576	787.3483822	622.4912471	694.3855053	1.466843063	10.88704416	9.0330046
metC	gi 49175990 ref NC_000913.2	+	3150258	3151445	337.3440428	296.2806387	337.7544691	296.0607977	285.0734972	0.074142869	0.083533994	0.021045
yghB	gi 49175990 ref NC_000913.2	+	3151585	3152244	810.4294157	905.2188187	1300.191684	1270.310253	1314.647503	-0.609650175	2.188784982	1.3422986
yqhC	gi 49175990 ref NC_000913.2	-	3152284	3153240	163.8573167	173.8353151	140.4078332	131.2150398	129.0698194	0.334043734	0.844094728	0.3958477
yqhD	gi 49175990 ref NC_000913.2	+	3153377	3154540	1186.112437	1031.425963	1601.47798	1278.222662	1146.748927	-0.24072089	0.624795141	0.2789898
dkqA	gi 49175990 ref NC_000913.2	+	3154645	3155472	498.6239432	474.8794806	733.1250899	762.072557	513.1420986	-0.445599908	1.287057325	0.6853171
yqhG	gi 49175990 ref NC_000913.2	+	3155672	3156598	60.07434021	74.14949762	46.31369045	81.55571187	76.11333313	-0.06419911	0.012190856	0
yqhH	gi 49175990 ref NC_000913.2	+	3156649	3156906	52.85009149	56.05205558	35.25094192	43.79025644	57.99190767	0.233032355	0.426269344	0.1746266
ygiQ	gi 49175990 ref NC_000913.2	-	3156949	3159168	1344.785789	1287.919991	981.9972471	974.373684	1086.805555	0.379678896	1.122033869	0.5694051
ftsP	gi 49175990 ref NC_000913.2	-	3159279	3160691	1061.826229	1098.944311	973.2353033	811.9053878	873.8725486	0.288273578	0.726501241	0.3255653
plsC	gi 49175990 ref NC_000913.2	-	3160766	3161503	452.8844667	473.0218784	380.0188849	373.5872267	507.6922804	0.125787316	0.272447047	0.1012332
parC	gi 49175990 ref NC_000913.2	-	3161737	3163995	1579.0714	1436.066138	1458.003928	1320.900724	1531.023675	0.084280723	0.124361128	0.0369374
ygiS	gi 49175990 ref NC_000913.2	-	3164133	3165740	585.4544921	600.2883856	913.4168081	602.6267964	937.4406533	-0.458457602	1.328310582	0.7163989
mqsA	gi 49175990 ref NC_000913.2	-	3165873	3166268	169.4167099	187.1496253	140.008423	176.9763857	169.3084838	0.114610488	0.247278749	0.0903598

mqsr	gi 49175990 ref NC_000913.2	-	3166270	3166566	221.4049503	276.4876018	177.8812011	249.979484	304.6018	-0.021960644	0.042840281	0.0058947
ygiV	gi 49175990 ref NC_000913.2	-	3166771	3167253	134.5579151	157.727826	150.2296929	161.4290471	165.9465782	-0.147851706	0.207911818	0.070315
ygiW	gi 49175990 ref NC_000913.2	-	3167306	3167698	1051.548252	1147.410037	975.1270256	1433.600476	1327.989975	-0.209162989	0.357842964	0.1415056
qseB	gi 49175990 ref NC_000913.2	+	3167850	3168509	130.3764965	140.5973245	104.3302948	127.8064507	147.7734508	0.075745919	0.163329838	0.0517718
qseC	gi 49175990 ref NC_000913.2	+	3168506	3168855	141.4481971	134.8504646	145.4885251	133.4146667	119.0955954	0.071607971	0.091203016	0.023835
mdaB	gi 49175990 ref NC_000913.2	+	3170552	3171133	336.7171889	359.0532907	221.1234555	263.4806323	305.9054316	0.380140229	1.120161741	0.5686948
ygiN	gi 49175990 ref NC_000913.2	+	3171164	3171478	2651.892305	2788.667474	3586.530913	3508.254846	4343.030275	-0.498865953	1.480318376	0.8114182
parE	gi 49175990 ref NC_000913.2	-	3171526	3173418	2161.762984	2173.167594	1843.005936	1795.079333	2036.898437	0.193631685	0.414160056	0.1691717
yqiA	gi 49175990 ref NC_000913.2	-	3173447	3174028	741.5493184	853.9433711	718.4364458	791.580867	910.5619587	-0.04485053	0.022215507	0.0004107
cpdA	gi 49175990 ref NC_000913.2	-	3174028	3174855	1302.792097	1378.199592	1881.269685	1887.989678	1828.483145	-0.484508634	1.437922344	0.7820287
yqiB	gi 49175990 ref NC_000913.2	-	3174880	3175302	936.9772462	945.0625285	1182.700418	1297.185023	1429.993805	-0.478127812	1.486739347	0.8143428
nudF	gi 49175990 ref NC_000913.2	-	3175303	3175932	600.0995107	591.7220067	694.9394387	642.4943695	651.7754596	-0.148307815	0.317862696	0.1239842
toiC	gi 49175990 ref NC_000913.2	+	3176137	3177618	4424.288234	4769.037217	3661.85847	3612.39575	3842.983482	0.299005909	0.802203645	0.3701238
ygiB	gi 49175990 ref NC_000913.2	+	3177766	3178437	2127.525076	2240.626754	2767.136388	2401.6677	2599.059054	-0.247619638	0.540130719	0.2323307
ygiC	gi 49175990 ref NC_000913.2	+	3178443	3179603	2298.825746	2224.430979	2796.359121	2526.039621	2567.714566	-0.208018305	0.461294671	0.1934841
ygiD	gi 49175990 ref NC_000913.2	-	3179641	3180429	209.879621	225.1308277	241.8052575	261.2007568	266.9006996	-0.252041141	0.524901575	0.2249696
zupT	gi 49175990 ref NC_000913.2	+	3180572	3181345	859.8088415	915.6440797	1060.179633	1096.449809	1076.876923	-0.290118902	0.693213196	0.3103556
ribB	gi 49175990 ref NC_000913.2	-	3181835	3182488	1432.555692	1348.699821	1197.638152	1310.234276	857.5307225	0.323714758	0.755547823	0.3439111
yqiC	gi 49175990 ref NC_000913.2	+	3182862	3183152	619.7585043	716.2217948	518.8184749	714.0727341	811.7059341	-0.067595107	0.039959613	0.0045376
ygiL	gi 49175990 ref NC_000913.2	+	3183436	3183987	11.63460477	7.551784695	6.575344932	8.822529222	2.402451796	0.728210664	0.71425376	0.3718473
insC	gi 49175990 ref NC_000913.2	+	3184209	3184574	751.1521776	830.178483	822.5985313	794.9776136	851.3278069	-0.071994724	0.10016939	0.0264593
insD	gi 49175990 ref NC_000913.2	+	3184532	3185437	1283.606528	1219.529796	1089.424923	1163.664621	1101.587091	0.167877919	0.355680272	0.1411458
yqiH	gi 49175990 ref NC_000913.2	+	3187903	3188652	20.23636286	30.47525574	35.14442997	38.28311017	57.92692339	-0.838519411	1.763131201	1.0282781
yqiI	gi 49175990 ref NC_000913.2	+	3188654	3189718	54.2391381	54.13432198	38.71173212	92.51428915	72.82540115	-0.355022971	0.507316871	0.2163002
glgS	gi 49175990 ref NC_000913.2	-	3189761	3189961	600.3440001	550.8472326	893.2444424	1087.171519	854.9853064	-0.707492987	2.906556371	1.9391065
yqiJ	gi 49175990 ref NC_000913.2	+	3190230	3190859	184.3485564	176.6433211	145.8988409	207.3001753	231.8301508	-0.123760213	0.173783085	0.0547989
ybiK	gi 49175990 ref NC_000913.2	+	3190886	3192547	189.228321	191.8634234	198.7498596	302.2595598	242.3512159	-0.394917308	0.911597663	0.4403017
ibsD	gi 49175990 ref NC_000913.2	+	3192788	3192847	2221.855224	1796.93978	2414.446231	3963.385464	6217.698444	-1.065685244	3.430449469	2.3732033
ibsE	gi 49175990 ref NC_000913.2	+	3193163	3193222	369.4177475	407.5093729	367.9347746	494.600587	742.8178581	-0.499106064	1.125571937	0.5718716
rfaE	gi 49175990 ref NC_000913.2	-	3193342	3194775	960.612179	891.8342214	920.8395897	804.8764127	572.6361176	0.299827923	0.640452974	0.2862934
glnE	gi 49175990 ref NC_000913.2	-	3194823	3197663	904.4567401	838.644261	896.8555443	770.1309503	541.2507769	0.27117641	0.539450323	0.2319924
ygiF	gi 49175990 ref NC_000913.2	-	3197686	3198987	346.5711401	327.6560856	389.1804698	349.7252438	271.8637385	0.020181313	0	0
ygiM	gi 49175990 ref NC_000913.2	+	3199229	3199849	1343.543975	1279.368975	1155.648862	1587.421303	1767.446451	-0.207929345	0.387407453	0.1543669
cca	gi 49175990 ref NC_000913.2	+	3199913	3201151	1717.737722	1631.747852	1671.780382	1658.231186	1752.078812	-0.010135335	0.021829334	0.0004107
bacA	gi 49175990 ref NC_000913.2	-	3201332	3202153	446.2680381	422.6374963	405.8525059	391.3118493	389.2853579	0.145200953	0.279283534	0.1053727
folB	gi 49175990 ref NC_000913.2	-	3202243	3202611	208.467152	190.871569	158.1775306	177.0369694	166.039297	0.265085886	0.582381731	0.2559947
plsY	gi 49175990 ref NC_000913.2	+	3202716	3203333	359.4932911	376.1415087	345.3481018	381.1330069	382.4472873	-0.018190226	0.004482212	0
tttR	gi 49175990 ref NC_000913.2	-	3203346	3204278	118.2976986	132.0619118	168.4477663	131.5632809	198.176247	-0.420268936	0.974130645	0.4751425
tttA	gi 49175990 ref NC_000913.2	+	3204485	3205396	24.20290078	19.90574998	22.53762167	20.25866116	23.51189076	0.019181257	0	0
tttB	gi 49175990 ref NC_000913.2	+	3205393	3205998	23.4920816	11.28981422	33.0976521	29.24694786	33.60758056	-0.807631037	1.895098731	1.1216003
tttD	gi 49175990 ref NC_000913.2	+	3206046	3207509	90.9285855	112.1507793	81.28404689	67.63750326	115.0271788	0.175359909	0.379184653	0.149598
ygiD	gi 49175990 ref NC_000913.2	-	3207552	3208565	609.452487	621.1814996	526.7803411	521.3807619	543.9957231	0.210184906	0.494829975	0.2099578
rpsU	gi 49175990 ref NC_000913.2	+	3208803	3209018	9484.415777	9870.458922	5405.671596	4461.603342	7992.638915	0.688025237	2.222353094	1.3728612
dnaG	gi 49175990 ref NC_000913.2	+	3209129	3210874	1804.443544	1905.344404	1474.899717	1788.152214	1915.673026	0.084621666	0.186828007	0.0605009
rpoD	gi 49175990 ref NC_000913.2	+	3211069	3212910	2819.85361	2870.335471	2478.538078	2396.040404	2796.27101	0.149133773	0.307635454	0.1188375
mug	gi 49175990 ref NC_000913.2	-	3212989	3213495	372.3796147	359.0083398	372.2010653	330.7755883	303.0781805	0.138287713	0.249875067	0.091054
yqiH	gi 49175990 ref NC_000913.2	-	3213749	3214513	162.9661041	189.0694991	63.30291832	69.75298181	112.6807774	1.068054204	4.804882529	3.5585801
yqiI	gi 49175990 ref NC_000913.2	+	3214801	3215424	386.3225316	365.6488097	447.2354305	448.4999067	469.9458628	-0.269436626	0.680418272	0.304768
aer	gi 49175990 ref NC_000913.2	-	3215578	3217098	636.7016416	521.3521905	1705.708005	1618.890655	1425.960462	-1.417467413	9.470806294	7.7059899
patA	gi 49175990 ref NC_000913.2	+	3217516	3218895	368.2847036	390.3946239	395.0145154	397.8593703	319.9909725	0.029077619	0.054964776	0.0100713
ygiH	gi 49175990 ref NC_000913.2	-	3218937	3219269	29.68590428	17.95050175	76.9840245	60.47585108	35.2754906	-1.200389124	3.657420948	2.5693596
ebgR	gi 49175990 ref NC_000913.2	+	3219488	3220471	531.1913202	544.249084	780.8546006	951.6953986	928.698948	-0.734628778	3.050188036	2.0530575
ebgA	gi 49175990 ref NC_000913.2	+	3220655	3223747	215.2595247	207.0384416	337.3199124	325.3251716	406.891751	-0.754010023	2.97603577	1.9934872
ebgC	gi 49175990 ref NC_000913.2	+	3223744	3224193	22.14452159	32.37197045	59.32751025	57.09402518	43.98783282	-1.000930482	2.945990537	1.9705614
ygiJ	gi 49175990 ref NC_000913.2	+	3224256	3225689	24.51426483	25.64967132	41.27842644	39.34997466	48.09449676	-0.7774946	1.947764648	1.1616638
ygiJ	gi 49175990 ref NC_000913.2	+	3225823	3226893	20.91048869	18.97480458	30.36585927	23.71071953	31.31733013	-0.496011117	0.887269689	0.4234833
ygiK	gi 49175990 ref NC_000913.2	+	3226910	3229261	74.5204553	93.15529203	111.3986129	107.6709625	109.9354882	-0.412991576	0.961960076	0.4683213

fadh	gi 49175990 ref NC_000913.2	+	3229687	3231705	173.4794212	140.4856628	252.4721218	254.6308934	304.8559514	-0.762926658	2.98556078	2.0019867
higA	gi 49175990 ref NC_000913.2	-	3231750	3232166	94.15081712	88.30573071	68.95253443	60.70464	73.90934767	0.436038777	1.106015739	0.5613075
higB	gi 49175990 ref NC_000913.2	-	3232163	3232477	46.3187755	39.84799297	32.23776799	41.35495684	37.02478825	0.234313815	0.367021838	0.145076
rimG	gi 49175990 ref NC_000913.2	-	3232761	3233897	630.1878041	659.1860876	393.3672401	421.6601827	511.173035	0.529695098	1.930867177	1.1485651
ygjP	gi 49175990 ref NC_000913.2	+	3233982	3234485	177.9818471	173.80162	146.6975664	199.2620491	169.4201932	0.026971395	0.053860642	0.0094608
ygjQ	gi 49175990 ref NC_000913.2	+	3234562	3235254	32.95921761	42.80453688	30.64943636	25.98286773	39.02878588	0.218223581	0.361969032	0.1431209
ygjR	gi 49175990 ref NC_000913.2	+	3235333	3236319	584.6096596	529.9459723	957.3225445	873.3796913	787.6847828	-0.625914657	2.542611293	1.6381255
alx	gi 49175990 ref NC_000913.2	+	3236602	3237567	345.8220288	339.0698242	252.3371577	233.4376508	304.7916827	0.377611679	1.035459959	0.5189672
sstT	gi 49175990 ref NC_000913.2	+	3237966	3239210	814.5750655	818.7358996	835.6795678	768.1125722	830.0406927	0.011185136	0.018268356	0
ygjV	gi 49175990 ref NC_000913.2	-	3239215	3239766	93.3920567	92.12258073	90.08337256	94.05027556	76.4771773	0.099147999	0.155644378	0.0487535
uxaA	gi 49175990 ref NC_000913.2	-	3239849	3241336	643.3343596	576.4812844	1348.173639	1237.562966	845.2440027	-0.877653214	3.669459846	2.5793734
uxaC	gi 49175990 ref NC_000913.2	-	3241351	3242763	608.1167053	526.1257328	1325.680062	1201.737681	873.2227106	-0.965646034	4.472197082	3.2722158
exuT	gi 49175990 ref NC_000913.2	+	3243126	3244544	287.9462222	325.8359555	479.2037668	554.7268913	462.3232295	-0.720325673	2.737660728	1.8011016
exuR	gi 49175990 ref NC_000913.2	+	3244674	3245450	1205.034334	1257.566917	1479.124168	1544.765616	1275.670704	-0.222657071	0.483599479	0.2032863
yqjA	gi 49175990 ref NC_000913.2	+	3245795	3246457	822.2112969	811.1286527	938.1922116	1004.463024	953.5121742	-0.241518243	0.565563371	0.2463512
mzrA	gi 49175990 ref NC_000913.2	+	3246461	3246844	649.9023094	649.6668453	785.8412705	880.0030213	856.971838	-0.37689183	1.092266444	0.5534973
yqjC	gi 49175990 ref NC_000913.2	+	3246991	3247359	2244.312183	2328.952089	2189.407576	2475.312266	2221.118667	-0.014372143	0.004152716	0
yqjD	gi 49175990 ref NC_000913.2	+	3247397	3247702	4048.45989	3414.48782	3894.863067	3784.907517	3275.711151	0.060701806	0.054281947	0.0096379
yqjE	gi 49175990 ref NC_000913.2	+	3247705	3248109	3151.044135	2754.385603	3255.052621	2964.273782	2517.49116	0.048375586	0.035154931	0.0036811
yqjK	gi 49175990 ref NC_000913.2	+	3248099	3248398	1255.525592	1306.005779	1331.803067	1243.42327	1263.111944	-0.000965351	0.005135908	0
yqjF	gi 49175990 ref NC_000913.2	+	3248584	3248976	97.95406162	148.3274516	88.87213249	81.96230892	93.01904782	0.432684591	1.286195835	0.6848816
yqjG	gi 49175990 ref NC_000913.2	+	3249046	3250032	369.9395579	347.5992756	302.7522054	346.2390685	298.5061274	0.189483917	0.399901847	0.1610553
yhaH	gi 49175990 ref NC_000913.2	+	3250326	3250691	285.3158807	224.0503314	410.2978423	310.4467959	161.2650368	-0.145533414	0.313053846	0.1222592
yhal	gi 49175990 ref NC_000913.2	+	3250933	3251289	41.07970352	54.21434448	23.74838633	50.17103747	46.93166356	0.185640781	0.362314284	0.1431584
yhaJ	gi 49175990 ref NC_000913.2	-	3251340	3252236	319.8387342	266.8152424	265.112984	288.9707849	205.6586057	0.239931285	0.442145481	0.1811198
yhaK	gi 49175990 ref NC_000913.2	+	3252341	3253042	59.70786836	65.56213665	57.52111492	70.52118182	67.26716724	-0.073399683	0.065150462	0.015023
yhaL	gi 49175990 ref NC_000913.2	+	3253065	3253229	772.9202766	778.8449916	1373.527724	1127.255584	1862.5351	-0.91175353	3.724555772	2.6291891
yhaM	gi 49175990 ref NC_000913.2	-	3253363	3254673	215.3314418	202.2796378	470.3401417	475.0990902	321.3200692	-0.998587535	4.56348456	3.3497695
yhaO	gi 49175990 ref NC_000913.2	-	3254701	3256032	154.7456318	145.2921179	321.9187813	311.5752884	253.8102909	-0.963913138	4.395500492	3.2038874
tdcG	gi 49175990 ref NC_000913.2	-	3256307	3257671	104.2669102	123.5353673	1148.236561	1231.681809	702.8918648	-3.184758275	28.10384587	25.095991
tdcF	gi 49175990 ref NC_000913.2	-	3257743	3258132	62.84105687	52.18022688	679.9910748	704.8765426	459.3350085	-3.386062369	32.14878018	28.839896
tdcE	gi 49175990 ref NC_000913.2	-	3258146	3260440	197.9264336	209.9288107	3016.245662	3198.192119	1884.066081	-3.724584698	34.60788796	30.997974
tdcD	gi 49175990 ref NC_000913.2	-	3260474	3261682	203.7055919	208.9649973	1732.494202	2056.756733	1221.047744	-3.016722585	27.22731783	24.316373
tdcC	gi 49175990 ref NC_000913.2	-	3261708	3263039	453.9303625	506.2956273	3010.347067	3645.455948	2352.773215	-2.659802352	21.42924968	18.722425
tdcB	gi 49175990 ref NC_000913.2	-	3263061	3264050	272.9520134	241.1954016	1769.471165	2860.26368	1627.015822	-3.01476167	25.1173983	22.285635
tdcA	gi 49175990 ref NC_000913.2	-	3264149	3265087	108.579686	105.4139514	902.8850811	1901.702888	1365.202293	-3.721138245	31.72056459	28.587771
yhaB	gi 49175990 ref NC_000913.2	+	3265876	3266415	21.45689799	20.88644598	23.00899783	35.60843086	24.79360708	-0.396837625	0.560190285	0.2440802
garK	gi 49175990 ref NC_000913.2	-	3268647	3269792	153.9098104	124.3398845	683.0967917	435.1675683	289.0660216	-1.690844931	8.386309723	6.7306378
garR	gi 49175990 ref NC_000913.2	-	3269889	3270773	132.0133146	124.3984027	631.580051	421.6649559	277.827373	-1.750471476	8.918989169	7.2011694
garL	gi 49175990 ref NC_000913.2	-	3270809	3271579	59.24477725	44.55695259	400.5374597	232.37206	181.2472367	-2.316960199	12.87588064	10.78448
garP	gi 49175990 ref NC_000913.2	-	3271595	3272929	51.87621978	64.6509826	480.3937813	365.3217469	165.8546844	-2.524692132	12.27422228	10.31752
garD	gi 49175990 ref NC_000913.2	+	3273304	3274875	203.2822477	194.6892759	705.9252092	489.991338	303.6681023	-1.291239162	5.434246058	4.1165877
prIF	gi 49175990 ref NC_000913.2	+	3275024	3275359	222.2293388	211.7835981	195.7869143	247.6036404	238.8387142	-0.070968974	0.103330951	0.0276965
yhaV	gi 49175990 ref NC_000913.2	+	3275359	3275823	280.6858046	287.7996328	250.0709125	279.197607	317.1987564	-0.000981763	0.020130171	0
agaR	gi 49175990 ref NC_000913.2	-	3275878	3276687	685.6845212	723.7776467	737.9853333	781.4343851	810.9240764	-0.151841318	0.291015994	0.1118215
kbaZ	gi 49175990 ref NC_000913.2	+	3276936	3278216	77.54978907	101.7225023	82.36206528	91.79159785	77.52993126	0.060947278	0.141463904	0.0424335
agaV	gi 49175990 ref NC_000913.2	+	3278239	3278712	33.74867926	56.1775477	57.89620971	39.52676123	54.86411097	-0.222672237	0.225449812	0.0787822
agaS	gi 49175990 ref NC_000913.2	+	3279998	3281152	38.1716718	44.67883647	49.0761267	59.13828496	37.31260538	-0.243122587	0.35652332	0.1412357
kbaY	gi 49175990 ref NC_000913.2	+	3281165	3282025	19.38134161	21.86310948	34.18759705	17.22405185	40.05503046	-0.565715547	0.881507056	0.4186503
agaC	gi 49175990 ref NC_000913.2	+	3282707	3283510	15.63192983	8.475259956	13.18368476	15.55158148	8.03663907	0.033909346	0	0
agaD	gi 49175990 ref NC_000913.2	+	3283500	3284291	17.92216728	23.79329856	14.32325624	9.097619269	12.32788976	0.78702509	1.36313631	0.738899
agal	gi 49175990 ref NC_000913.2	+	3284292	3285047	17.81268925	25.71046836	10.87606987	13.44362911	14.52333369	0.702810374	1.185495399	0.6138036
yraH	gi 49175990 ref NC_000913.2	+	3285448	3286032	80.0281556	82.64027294	75.2847756	103.0561639	113.0276617	-0.274260987	0.500868914	0.2134435
yral	gi 49175990 ref NC_000913.2	+	3286112	3286807	12.38552435	12.38552435	16.34567556	14.79123651	29.90335846	-0.994807318	1.578805264	0.883234
yraJ	gi 49175990 ref NC_000913.2	+	3286836	3289352	381.0391184	387.5265375	390.3006364	415.8999107	410.5385562	-0.08283823	0.138165951	0.0415146
yraK	gi 49175990 ref NC_000913.2	+	3289363	3290454	156.5727388	187.1820667	125.630715	165.7955751	170.3123869	0.122751405	0.2878958	0.1098274
rsmI	gi 49175990 ref NC_000913.2	-	3290497	3291357	255.9260518	275.4731425	238.6384427	229.8475476	222.1832463	0.199489622	0.452090401	0.1875497

lpoA	gi 49175990 ref NC_000913.2	+	3291422	3293458	897.0606958	948.8843208	856.6865364	752.4397681	802.0544675	0.196657038	0.468329244	0.1963434
yraN	gi 49175990 ref NC_000913.2	+	3293416	3293811	313.5589469	315.3357468	285.3174892	264.7626411	312.7891199	0.127411226	0.25159047	0.0917711
diaA	gi 49175990 ref NC_000913.2	+	3293831	3294421	955.2504946	970.7109811	746.1285923	806.1283717	882.6144236	0.238269064	0.604433192	0.2677516
yraP	gi 49175990 ref NC_000913.2	+	3294431	3295006	610.7686824	612.6257599	424.1641854	541.3624902	548.3458147	0.265187979	0.684677788	0.3069969
yraQ	gi 49175990 ref NC_000913.2	-	3295120	3296160	399.0241629	368.4873173	440.4499549	329.7872074	302.076549	0.130940807	0.184834193	0.0595043
yraR	gi 49175990 ref NC_000913.2	-	3296233	3296868	217.0467259	175.6252136	324.8124456	228.9210532	209.003502	-0.324372089	0.855731408	0.40176
yhbO	gi 49175990 ref NC_000913.2	+	3296996	3297514	174.8729794	168.0964383	256.114693	216.3028083	149.7215742	-0.251713132	0.545264712	0.2346396
yhbP	gi 49175990 ref NC_000913.2	-	3297494	3297937	226.0544856	212.7281205	347.6507824	246.9211466	255.962465	-0.344719603	0.912426832	0.4408151
yhbQ	gi 49175990 ref NC_000913.2	+	3297988	3298290	284.8261348	261.156717	385.6584876	355.4283099	333.3108199	-0.373856097	1.088043689	0.5518476
yhbS	gi 49175990 ref NC_000913.2	-	3298277	3298780	1542.864059	1501.635225	2668.238001	2312.877911	1804.212634	-0.553299913	1.683218968	0.9681742
yhbT	gi 49175990 ref NC_000913.2	-	3298774	3299298	2119.461117	2145.626434	4182.991385	3317.526866	2674.700579	-0.652896579	2.265702896	1.4055248
yhbU	gi 49175990 ref NC_000913.2	+	3299507	3300502	497.0265768	523.3657865	674.7867543	539.5595675	643.7965863	-0.280059564	0.66437756	0.2977686
yhbV	gi 49175990 ref NC_000913.2	+	3300511	3301389	814.7395119	780.7211198	826.1549773	622.6660948	870.1859854	0.056831848	0.080142085	0.0199664
yhbW	gi 49175990 ref NC_000913.2	+	3301470	3302477	734.3173956	764.6132015	799.3215101	687.3584977	659.7620979	0.070230997	0.126084966	0.0373086
mtr	gi 49175990 ref NC_000913.2	-	3302595	3303839	442.0274385	396.9696617	409.7721523	347.8167438	428.329765	0.10343031	0.157776623	0.0487535
deaD	gi 49175990 ref NC_000913.2	-	3303993	3305882	7920.624737	7247.966281	8135.329254	8196.616214	7454.072978	-0.049216151	0.102081872	0.0269548
yrbN	gi 49175990 ref NC_000913.2	-	3305875	3305955	391.94839	377.0537259	365.9606883	378.7875852	308.7385442	0.13942213	0.257860284	0.0943277
nlpI	gi 49175990 ref NC_000913.2	-	3306062	3306946	9936.112396	10637.92076	10955.821	9960.372652	10534.20321	-0.033686284	0.039197157	0.004293
pnp	gi 49175990 ref NC_000913.2	-	3307055	3309190	10525.71693	10509.66195	14061.57045	12747.50803	12911.22772	-0.326997409	0.806962605	0.371975
rpsO	gi 49175990 ref NC_000913.2	-	3309437	3309706	10911.08863	13695.44377	7816.962073	7692.656517	13708.82453	0.288575928	0.698406265	0.1317281
truB	gi 49175990 ref NC_000913.2	-	3309855	3310799	1178.025228	1186.313991	1212.084668	1043.931487	1076.944492	0.095662913	0.173772072	0.0547989
rbfA	gi 49175990 ref NC_000913.2	-	3310799	3311200	602.1603956	565.1046242	694.3883013	594.2737441	542.051181	-0.044796224	0.105754064	0.0283572
infB	gi 49175990 ref NC_000913.2	-	3311364	3314036	6137.090085	5159.290204	6684.28267	5714.482201	4741.968571	0.021603289	0.0207219	0
nusA	gi 49175990 ref NC_000913.2	-	3314061	3315548	4277.955029	3802.035592	4258.365106	4201.927985	3483.281904	0.043539841	0.037122231	0.0039338
rimP	gi 49175990 ref NC_000913.2	-	3315576	3316028	2344.438684	2577.830999	2085.847585	2235.48933	2155.986433	0.172507533	0.394736026	0.1573654
argG	gi 49175990 ref NC_000913.2	+	3316659	3318002	618.0014994	568.8956364	485.1508521	446.244869	419.6849886	0.415495419	1.213898015	0.6301081
yhbX	gi 49175990 ref NC_000913.2	-	3318010	3319635	103.2137967	113.0571365	124.6764621	124.4369173	120.0786014	-0.196601931	0.359349326	0.1424431
secG	gi 49175990 ref NC_000913.2	-	3320195	3320527	14222.99987	15839.10935	7139.266944	8951.343497	12182.44178	0.638953827	2.159461541	1.3240641
glmM	gi 49175990 ref NC_000913.2	-	3320755	3322092	2887.729289	2658.479171	3959.35352	3287.31694	3115.291805	-0.293391333	0.783473147	0.3599897
folP	gi 49175990 ref NC_000913.2	-	3322085	3322933	771.6150107	787.3992194	921.0554009	684.1983411	760.6250366	-0.00667658	0.022577583	0.0005477
ftsH	gi 49175990 ref NC_000913.2	-	3323023	3324957	10234.77549	10361.49807	9046.66583	8251.741263	8669.888897	0.252352033	0.577380255	0.2530904
rlmE	gi 49175990 ref NC_000913.2	-	3325057	3325686	2332.523082	2511.33389	2537.615787	2340.992735	2246.968326	0.022762017	0.048678323	0.0081378
yhbY	gi 49175990 ref NC_000913.2	+	3325812	3326105	2244.164956	2428.702766	2172.673495	2280.618028	3043.870041	-0.118588783	0.15951002	0.049678
greA	gi 49175990 ref NC_000913.2	-	3326261	3326737	909.6638753	966.9330876	783.6507457	845.5245005	1117.860371	0.015508305	0.059762431	0.0118829
dacB	gi 49175990 ref NC_000913.2	+	3326985	3328418	509.2008725	507.1934396	412.9379785	416.5010184	477.6557237	0.219282887	0.533680787	0.2291177
obgE	gi 49175990 ref NC_000913.2	-	3328604	3329776	1870.937961	1546.199676	2051.302533	1815.035612	1339.866616	0.018769998	0.028343308	0.0017411
yhbE	gi 49175990 ref NC_000913.2	-	3329792	3330757	1634.953516	1608.019122	1399.680203	1355.531319	1416.716828	0.224478995	0.502000366	0.2138914
rpmA	gi 49175990 ref NC_000913.2	-	3330884	3331141	8857.870648	9116.302934	6696.709799	6650.914898	9332.264019	0.236433579	0.527795226	0.2262827
rplU	gi 49175990 ref NC_000913.2	-	3331162	3331473	10236.08758	10219.01949	7024.538295	7538.751685	9806.825706	0.322041015	0.795426741	0.3662115
ispB	gi 49175990 ref NC_000913.2	+	3331732	3332703	1757.857264	1799.900413	1555.287401	1617.861054	1765.449719	0.104181538	0.212239543	0.0722943
sfsB	gi 49175990 ref NC_000913.2	+	3332931	3333209	183.1147818	173.7900471	168.3898323	178.1084417	146.0416871	0.129160391	0.211743729	0.0721266
murA	gi 49175990 ref NC_000913.2	-	3333257	3334516	1598.588024	1472.164864	1296.898248	1074.254881	1146.472972	0.408954543	1.124518734	0.5715092
yrbA	gi 49175990 ref NC_000913.2	-	3334571	3334825	285.6359513	302.0604311	257.6421826	196.3781662	190.9225264	0.457569996	1.294607832	0.6907314
miaB	gi 49175990 ref NC_000913.2	-	3334985	3335278	922.9679901	965.9759035	811.9114232	791.5687715	804.2886274	0.22926233	0.587430006	0.2587763
miaC	gi 49175990 ref NC_000913.2	-	3335278	3335913	1993.972914	1972.749637	1488.462879	1477.640559	1395.539392	0.45141829	1.365081021	0.738899
miaD	gi 49175990 ref NC_000913.2	-	3335932	3336483	1365.193672	1229.952771	1014.040183	878.9954683	754.1365269	0.582652107	1.930189764	1.1485651
miaE	gi 49175990 ref NC_000913.2	-	3336488	3337270	1625.146488	1473.107222	1267.888923	1273.4385	987.4937621	0.417256358	1.131936247	0.5766349
miaF	gi 49175990 ref NC_000913.2	-	3337278	3338087	2069.694603	2046.834755	1805.229216	1755.61761	1479.848042	0.300136559	0.695065266	0.3103556
yrbG	gi 49175990 ref NC_000913.2	+	3338297	3339274	793.6748679	815.8970528	934.1154944	922.7667379	980.3219187	-0.237611222	0.540320089	0.2323307
kdsD	gi 49175990 ref NC_000913.2	+	3339288	3340274	1329.606966	1329.606966	1391.571338	1342.034268	1318.102829	-0.039249772	0.075456457	0.0183319
kdsC	gi 49175990 ref NC_000913.2	+	3340295	3340861	1058.403531	986.8172648	981.2708164	892.4684655	836.9889341	0.19514162	0.388304853	0.1543669
lptC	gi 49175990 ref NC_000913.2	+	3340858	3341433	704.2821962	680.9951879	632.4320188	807.0437264	794.0469295	-0.11083532	0.193391346	0.062911
lptA	gi 49175990 ref NC_000913.2	+	3341402	3341959	1254.111881	1363.015595	1321.888885	1413.79223	1541.083297	-0.141119089	0.233389527	0.0827168
lptB	gi 49175990 ref NC_000913.2	+	3341966	3342691	1324.908617	1160.603531	1286.697996	1286.180426	1125.313299	0.028968508	0.014033174	0
rpoN	gi 49175990 ref NC_000913.2	+	3342739	3344172	3368.925487	3333.829935	3731.885177	3867.788647	3228.603995	-0.102858172	0.193913712	0.0631676
hpf	gi 49175990 ref NC_000913.2	+	3344195	3344482	709.0966472	734.2165548	710.0683232	834.9698432	675.4880425	-0.044564514	0.058088585	0.0110921
ptsN	gi 49175990 ref NC_000913.2	+	3344600	3345091	824.2659365	775.9638232	874.8209119	830.5978115	603.9691554	0.074758896	0.098286768	0.0262976

yhbJ	gi 49175990 ref NC_000913.2	+	3345137	3345991	1096.171071	1049.517229	1094.396917	1154.591666	942.5223873	0.020595961	0.02244258	0.0005477
npr	gi 49175990 ref NC_000913.2	+	3345988	3346260	439.5686731	468.2818465	494.2424033	562.81025	620.0835934	-0.317986105	0.761463903	0.3466185
yrbL	gi 49175990 ref NC_000913.2	+	3346474	3347106	3319.145315	3854.405084	2419.358201	2903.630868	2888.344972	0.359260926	1.114128346	0.5667635
mtgA	gi 49175990 ref NC_000913.2	-	3347103	3347831	916.5707267	984.034657	775.3674282	921.4025817	856.9999551	0.141832467	0.33658959	0.1327041
elbB	gi 49175990 ref NC_000913.2	-	3348482	3348481	692.2677453	674.3499417	575.2768475	568.2562479	437.8481216	0.385000239	1.033442357	0.5177551
arcB	gi 49175990 ref NC_000913.2	-	3348711	3351047	2055.133677	2060.138632	1995.69141	2040.544467	2225.374646	-0.024301652	0.027761447	0.0014991
yhcC	gi 49175990 ref NC_000913.2	-	3351143	3352072	243.1314668	226.0201311	429.5974804	335.6068857	462.9969836	-0.789494688	3.24433952	2.2084564
glbB	gi 49175990 ref NC_000913.2	+	3352747	3357207	2647.499876	2316.523002	2387.357883	1946.513004	2055.107918	0.249460418	0.472152418	0.1985574
glbD	gi 49175990 ref NC_000913.2	+	3357220	3358638	1037.620375	956.4179763	991.8352691	768.3296148	960.0791288	0.155779932	0.270457985	0.100192
glbF	gi 49175990 ref NC_000913.2	+	3359198	3359962	70.77108412	87.45104208	41.21480723	91.38887193	68.4123595	0.18857794	0.398591528	0.160299
yhcA	gi 49175990 ref NC_000913.2	+	3360134	3360808	6.415598392	4.725057913	6.753490009	5.699053229	9.977213159	-0.391249797	0.235751293	0.0837523
yhcD	gi 49175990 ref NC_000913.2	+	3360829	3363210	324.8983052	328.6356819	261.3914984	369.8423379	406.8178682	-0.102164448	0.133940747	0.039953
insH	gi 49175990 ref NC_000913.2	-	3363724	3364740	833.6323376	971.7261942	919.6308209	959.682603	965.7812871	-0.095458646	0.121900104	0.0359921
yhcF	gi 49175990 ref NC_000913.2	+	3364948	3365664	124.6120654	138.7099296	107.2417866	163.3733744	146.8578527	-0.109460878	0.113686921	0.0320463
yhcG	gi 49175990 ref NC_000913.2	+	3365849	3366976	109.177945	107.318098	111.916521	137.7052499	121.1934682	-0.195197465	0.362617276	0.1431584
yhcH	gi 49175990 ref NC_000913.2	-	3367036	3367500	322.7516841	353.3661772	733.2530155	927.4748656	386.7664331	-1.020290679	3.408683379	2.3598199
nanK	gi 49175990 ref NC_000913.2	-	3367497	3368372	370.2318962	318.1164287	842.8558391	951.1470279	392.4270513	-1.049537708	3.655103471	2.5693596
nanE	gi 49175990 ref NC_000913.2	-	3368369	3369058	157.4150991	140.5235141	422.2047623	464.6260104	188.2439494	-1.2378782	4.527535666	3.3155613
nanT	gi 49175990 ref NC_000913.2	-	3369106	3370596	358.4872803	346.6621765	1483.827614	1796.323784	668.4488555	-1.885666081	8.863002569	7.1507153
nanA	gi 49175990 ref NC_000913.2	-	3370705	3371598	887.5973479	938.4361589	3531.093668	4070.22034	1986.296924	-1.80720488	9.391881971	7.6511993
nanR	gi 49175990 ref NC_000913.2	-	3371720	3372511	851.630437	900.4436653	898.2866335	902.5457981	924.2790896	-0.061030548	0.086852853	0.0222447
dcuD	gi 49175990 ref NC_000913.2	+	3372891	3374258	89.07144828	84.51075399	121.8375662	108.8639629	116.6563607	-0.404899124	1.092999899	0.553862
sspB	gi 49175990 ref NC_000913.2	-	3374301	3374798	2151.878124	2038.265799	2229.875192	2037.203694	2048.359054	0.005512314	0.006476863	0
sspA	gi 49175990 ref NC_000913.2	-	3374804	3375442	3483.022856	3558.950861	3486.216852	3134.819369	3162.249165	0.112906187	0.215874143	0.07475
rpsI	gi 49175990 ref NC_000913.2	-	3375837	3376229	9605.781869	9417.369545	7712.487101	7293.255002	8954.521225	0.252292822	0.561401796	0.2448499
rplM	gi 49175990 ref NC_000913.2	-	3376245	3376673	6535.929174	6458.709844	4942.038079	4544.182871	5260.775564	0.404620939	1.140204468	0.5825992
yhcM	gi 49175990 ref NC_000913.2	-	3376892	3378019	572.394064	554.6713896	487.0640041	486.6366656	520.3954445	0.181086433	0.4019628	0.1627105
yhcB	gi 49175990 ref NC_000913.2	+	3378213	3378611	3436.109047	3736.596094	3819.289112	3575.35965	3425.902769	-0.015785281	0.009090251	0
degQ	gi 49175990 ref NC_000913.2	+	3378765	3380132	609.3603334	638.2908437	634.6864945	571.7362195	465.8820901	0.166341529	0.331139708	0.1302079
degS	gi 49175990 ref NC_000913.2	+	3380222	3381289	553.4200706	543.2796041	442.1650021	455.2610408	511.3239818	0.221981309	0.534518857	0.2297408
mdh	gi 49175990 ref NC_000913.2	-	3381352	3382290	4976.116873	4883.918685	5324.026225	5008.250886	5290.070455	-0.074507098	0.133576961	0.0399341
argR	gi 49175990 ref NC_000913.2	+	3382725	3383195	768.6240419	900.4925107	803.3472745	714.6304682	1187.173982	-0.142569325	0.184487885	0.0593542
yhcN	gi 49175990 ref NC_000913.2	+	3383560	3383823	1596.52644	1848.400448	715.9692065	840.8504222	945.3238533	1.014217665	5.768270205	4.398905
yhcO	gi 49175990 ref NC_000913.2	-	3383879	3384151	195.1845277	180.4278507	166.7955979	162.4800048	134.8534788	0.295680137	0.623825981	0.2784933
aaeB	gi 49175990 ref NC_000913.2	-	3384243	3386210	123.3609676	111.929051	142.1298149	117.8808446	106.049548941	0.049548941	0.108608379	0.0294058
aaeA	gi 49175990 ref NC_000913.2	-	3386216	3387148	148.550147	133.8789304	127.9201525	152.3720684	150.2363615	-0.01712291	0.025906248	0.000968
aaeX	gi 49175990 ref NC_000913.2	-	3387156	3387359	56.28630091	52.21321468	44.50486396	63.71206476	58.27467739	-0.035783029	0.029100362	0.0017515
aaeR	gi 49175990 ref NC_000913.2	+	3387542	3388471	429.4231175	464.4895459	473.7543708	533.4323342	435.4466159	-0.117553541	0.195012231	0.0639399
tlbD	gi 49175990 ref NC_000913.2	-	3388605	3390050	1944.180378	1892.957787	1843.369169	1762.268643	1302.797543	0.243392281	0.482148114	0.2027933
yhdP	gi 49175990 ref NC_000913.2	-	3390480	3394280	1810.36584	1783.735136	1637.120914	1557.36214	1652.271562	0.156767983	0.312039774	0.1218549
rng	gi 49175990 ref NC_000913.2	-	3394348	3395817	1210.374644	1161.596065	1090.712965	1095.402739	1150.82951	0.096941479	0.181969554	0.0582021
yhdE	gi 49175990 ref NC_000913.2	-	3395807	3396400	683.857038	588.8107199	749.5443153	704.1949997	764.9549326	-0.194808351	0.498175221	0.2119253
mreD	gi 49175990 ref NC_000913.2	-	3396409	3396897	675.1693253	669.6092175	633.3166847	663.7944102	755.8208933	-0.029772774	0.037791105	0.0039876
mreC	gi 49175990 ref NC_000913.2	-	3396897	3398000	1719.995647	1761.908151	1553.741813	1408.418893	1792.231722	0.130642712	0.262821349	0.0969211
mreB	gi 49175990 ref NC_000913.2	-	3398066	3399109	2268.988659	2309.946589	1974.338966	1890.408772	2201.764328	0.17472203	0.368992489	0.1454051
csrD	gi 49175990 ref NC_000913.2	-	3399414	3401354	1447.197224	1572.924149	1202.884626	1531.272896	1462.645744	0.087476638	0.210012805	0.0715429
yhdH	gi 49175990 ref NC_000913.2	+	3401506	3402480	423.1954836	446.4315951	644.6951931	573.1187009	678.4933025	-0.545497365	1.808423447	0.1576473
accB	gi 49175990 ref NC_000913.2	+	3403458	3403928	1314.115035	1172.959789	1063.119311	1115.588249	1226.999527	0.142774528	0.270036632	0.0999284
accC	gi 49175990 ref NC_000913.2	+	3403939	3405288	2869.094611	2901.676131	2601.729364	2309.822565	2890.455323	0.14832155	0.294074541	0.1132093
yhdT	gi 49175990 ref NC_000913.2	+	3405397	3405639	101.4117636	107.3453021	61.23078341	58.43686473	72.72410248	0.692453592	2.46266019	1.5720771
panF	gi 49175990 ref NC_000913.2	+	3405629	3407080	328.6567952	335.2881598	311.677258	280.4594408	321.8282436	0.122971541	0.242816436	0.0878992
prmA	gi 49175990 ref NC_000913.2	+	3407092	3407973	336.302979	335.2779573	325.3673829	347.5382683	356.6380482	-0.034688557	0.047222514	0.0075492
dusB	gi 49175990 ref NC_000913.2	+	3408302	3409267	2734.883079	3135.391114	1804.20352	2124.69054	2770.112057	0.359756334	0.99948494	0.4923471
fis	gi 49175990 ref NC_000913.2	+	3409293	3409589	735.4039023	806.4294188	354.9902585	572.367033	773.1698873	0.39790118	1.066453191	0.5346329
yhdJ	gi 49175990 ref NC_000913.2	+	3409675	3410559	60.69093079	41.68428961	45.79734776	56.07624811	67.04644218	-0.106818627	0.192336717	0.062551
yhdU	gi 49175990 ref NC_000913.2	+	3410643	3410822	26.53431244	38.0743685	17.32518682	44.6281249	48.9944588	-0.265202872	0.224729838	0.0784098
envR	gi 49175990 ref NC_000913.2	-	3410825	3411487	12.23360834	8.505577743	9.672685611	15.58710529	13.44973844	-0.290668491	0.282060851	0.1071941

acrE	gi 49175990 ref NC_000913.2	+	3411886	3413043	26.81607406	32.33146331	29.5350137	32.55092826	37.9985768	-0.198015585	0.213312393	0.07322
acrF	gi 49175990 ref NC_000913.2	+	3413055	3416159	190.9615473	204.2333102	187.1593762	181.7148527	199.5736657	0.050866271	0.095564153	0.025393
yhdV	gi 49175990 ref NC_000913.2	+	3416412	3416633	7.535887652	7.594538163	18.77175573	20.20121008	22.36982834	-1.423052834	3.021914053	2.0321357
yhdX	gi 49175990 ref NC_000913.2	+	3418156	3419337	47.54566033	41.75239352	42.32260602	34.91820144	43.65646225	0.16599216	0.224352667	0.078182
yhdY	gi 49175990 ref NC_000913.2	+	3419347	3420450	46.38828311	53.22486304	31.28035545	37.13197306	55.66611531	0.237916731	0.441408569	0.180966
yhdZ	gi 49175990 ref NC_000913.2	+	3420458	3421216	75.97080208	67.39357754	54.5375759	59.35575443	55.00709129	0.360986641	0.748652221	0.3398617
yrdB	gi 49175990 ref NC_000913.2	+	3427258	3427812	1369.293821	1349.671397	1316.150517	1319.596013	1321.408754	0.045490362	0.078451973	0.0192386
yrdB	gi 49175990 ref NC_000913.2	-	3427788	3428045	669.7724574	611.6327817	592.7330177	579.5678711	510.5947307	0.2088401	0.423779353	0.1736222
aroE	gi 49175990 ref NC_000913.2	-	3428042	3428860	807.1110444	655.2707436	816.9179285	716.1591148	393.4113908	0.23720148	0.333083466	0.1312548
rimN	gi 49175990 ref NC_000913.2	-	3428865	3429437	547.1068759	537.5811646	479.5034255	468.4101611	320.2050438	0.372086226	0.957633088	0.4664401
yrdD	gi 49175990 ref NC_000913.2	-	3429442	3429984	948.3631687	948.8579644	977.7327702	1052.55207	860.6192563	-0.021593351	0.032350848	0.0030156
smg	gi 49175990 ref NC_000913.2	-	3430013	3430486	1258.795084	1267.047769	1533.015859	1542.427155	1061.678281	-0.119183765	0.226166065	0.0788232
smf	gi 49175990 ref NC_000913.2	-	3430458	3431582	1058.776139	1058.108761	1273.511233	1357.494326	1087.24666	-0.266876085	0.628184257	0.2809582
def	gi 49175990 ref NC_000913.2	+	3431712	3432221	1215.204431	1241.40991	1217.694151	1160.408736	1125.192499	0.073197858	0.138437587	0.0415146
fmt	gi 49175990 ref NC_000913.2	+	3432236	3433183	2113.722957	2176.028521	2210.02752	2148.072627	1950.872099	0.028228785	0.048908099	0.0081378
rsmB	gi 49175990 ref NC_000913.2	+	3433229	3434518	906.5234928	799.6790505	970.7067021	919.3005614	811.2448847	-0.054116317	0.135392855	0.0404245
trkA	gi 49175990 ref NC_000913.2	+	3434540	3435916	799.6989314	743.6646031	920.7265489	784.721021	559.1883264	0.058918562	0.05328673	0.0091021
mscL	gi 49175990 ref NC_000913.2	+	3436046	3436456	905.4725485	901.3649891	1234.503777	1127.843921	967.2324402	-0.287522844	0.728177231	0.3261664
arfA	gi 49175990 ref NC_000913.2	-	3436453	3436671	109.7063297	112.0814434	142.9271707	131.2012671	123.5223524	-0.254012923	0.562558712	0.2455646
zntR	gi 49175990 ref NC_000913.2	-	3436727	3437152	234.2066243	224.1327576	205.082014	251.0393276	258.954181	-0.060744198	0.086930356	0.0222447
yhdN	gi 49175990 ref NC_000913.2	-	3437163	3437531	253.6145934	312.5760613	268.2367788	273.6087582	294.9064175	-0.009961983	0.032752254	0.0030156
rplQ	gi 49175990 ref NC_000913.2	-	3437638	3438021	11088.36163	11738.74703	7562.372906	6024.384542	9179.770452	0.580276171	1.869003575	1.1023219
rpoA	gi 49175990 ref NC_000913.2	-	3438062	3439051	28947.36489	27503.66941	20412.75749	16782.75791	21862.34018	0.530180898	1.556941815	0.8707894
rpsD	gi 49175990 ref NC_000913.2	-	3439077	3439697	16082.46462	15423.96828	12949.75102	10690.39786	12805.59694	0.386117996	0.979167146	0.4786629
rpsK	gi 49175990 ref NC_000913.2	-	3439731	3440120	7322.73465	7345.841327	6067.999	5101.44444	5811.65094	0.378964527	1.001052682	0.493572
rpsM	gi 49175990 ref NC_000913.2	-	3440137	3440493	17967.85506	17439.47459	13516.35089	11459.47557	13561.64171	0.471196049	1.345890514	0.7280876
rpmJ	gi 49175990 ref NC_000913.2	-	3440640	3440756	7658.366492	7815.05668	7110.528636	6917.744999	9534.227665	-0.032021642	0.02819932	0.0017104
secY	gi 49175990 ref NC_000913.2	-	3440788	3442119	30852.29662	29827.86718	27362.9197	20902.95662	25030.32555	0.32680728	0.732616553	0.3287846
rplO	gi 49175990 ref NC_000913.2	-	3442127	3442561	9343.664962	8248.100849	9109.300488	5736.059518	4702.940361	0.482223554	0.995843968	0.4899061
rpmD	gi 49175990 ref NC_000913.2	-	3442565	3442744	4389.131438	4497.366245	4238.386836	2881.644119	2800.20767	0.444800554	1.147133552	0.5877497
rpsE	gi 49175990 ref NC_000913.2	-	3442748	3443251	6980.131721	5831.753953	7020.585563	4792.083218	4749.753118	0.261691922	0.425830615	0.1744221
rplR	gi 49175990 ref NC_000913.2	-	3443266	3443619	4896.669169	4728.141665	5290.941896	3986.998475	3814.195717	0.162839913	0.267079219	0.0982312
rplF	gi 49175990 ref NC_000913.2	-	3443629	3444162	10969.61167	10078.40713	10546.10884	8073.542908	7546.226131	0.299661829	0.603179033	0.2674799
rpsH	gi 49175990 ref NC_000913.2	-	3444175	3444567	10962.5154	8840.740895	9795.001943	6986.132759	6990.92921	0.370810216	0.728688893	0.3264089
rpsN	gi 49175990 ref NC_000913.2	-	3444906	3444906	9433.365593	8105.616313	7449.615887	5269.737195	5940.818785	0.532930902	1.423389781	0.7750308
rplE	gi 49175990 ref NC_000913.2	-	3444921	3445460	15520.79748	15199.82287	13819.55053	10961.64744	11368.91732	0.364755731	0.88005933	0.4178212
rplX	gi 49175990 ref NC_000913.2	-	3445475	3445789	6975.676561	7011.508557	6176.165312	4642.949655	5053.526952	0.414930643	1.091379177	0.5533468
rplN	gi 49175990 ref NC_000913.2	-	3445800	3446171	20995.96935	20741.97861	17091.97126	14026.9892	18349.06376	0.344495916	0.826452223	0.3838551
rpsQ	gi 49175990 ref NC_000913.2	-	3446336	3446590	10963.03118	10855.38935	7318.447032	6403.218746	9002.589359	0.525106756	1.590417291	0.8916605
rpmC	gi 49175990 ref NC_000913.2	-	3446590	3446781	11427.28312	9951.106795	6450.869597	4626.239648	5659.124325	0.970346693	4.105645209	2.9505757
rplP	gi 49175990 ref NC_000913.2	-	3446781	3447191	15947.09701	14090.3932	9052.829518	7136.368023	8116.873414	0.91748637	3.938423441	2.7970192
rpsC	gi 49175990 ref NC_000913.2	-	3447204	3447905	15202.41846	13792.16494	9354.213307	7198.13484	9333.763443	0.769257871	2.872748024	1.9121685
rplV	gi 49175990 ref NC_000913.2	-	3447923	3448255	10987.97375	9921.679887	6605.164712	5071.306982	6400.476347	0.817279518	3.170486884	2.1235885
rpsS	gi 49175990 ref NC_000913.2	-	3448270	3448548	10291.77447	9831.474874	7662.943538	6635.177158	7863.211997	0.45535548	1.279835063	0.6802206
rplB	gi 49175990 ref NC_000913.2	-	3448565	3449386	12898.41605	12414.96645	10155.38504	7722.808704	9570.535444	0.482319325	1.36293808	0.738899
rplW	gi 49175990 ref NC_000913.2	-	3449404	3449706	6481.168441	6166.149455	4867.059022	3506.27781	4763.804857	0.546114656	1.62919548	0.9239966
rplD	gi 49175990 ref NC_000913.2	-	3449703	3450308	11563.99994	10670.1419	9010.368242	6735.09837	8426.367245	0.485356563	1.343385229	0.7266489
rplC	gi 49175990 ref NC_000913.2	-	3450319	3450948	14122.70894	13044.67172	10784.53646	8386.55911	11171.10817	0.442231745	1.160487295	0.5951126
rpsJ	gi 49175990 ref NC_000913.2	-	3450981	3451292	6393.223817	6494.816162	5464.950184	4517.5371	6809.530023	0.199139891	0.408787365	0.1666015
gspB	gi 49175990 ref NC_000913.2	-	3451530	3451949	18.89251215	18.89262747	9.923223421	16.79709991	21.10239551	0.229015111	0.24762129	0.0904131
gspA	gi 49175990 ref NC_000913.2	-	3451951	3453420	42.54825357	36.04659752	40.4924799	63.56416116	47.20944397	-0.352246806	0.651424879	0.2917747
gspC	gi 49175990 ref NC_000913.2	+	3453600	3454415	37.30816289	49.4633706	31.7152246	57.01044514	61.40541676	-0.259355743	0.294567572	0.113293
gspD	gi 49175990 ref NC_000913.2	+	3454399	3456351	121.7131085	123.4767018	113.6246354	136.8023988	162.3248808	-0.179931258	0.296425781	0.1143219
gspE	gi 49175990 ref NC_000913.2	+	3456361	3457842	32.7949718	46.6295517	37.5367242	43.69877722	45.90085262	-0.138156479	0.112182161	0.0331129
gspF	gi 49175990 ref NC_000913.2	+	3457839	3459035	70.85348062	84.58932317	88.07115764	98.67505927	109.7522263	-0.374675648	0.788598025	0.3620573
gspG	gi 49175990 ref NC_000913.2	+	3459045	3459482	19.08939507	16.1153475	15.15682223	16.96959498	29.9211775	-0.228210973	0.230884989	0.0815678
gspH	gi 49175990 ref NC_000913.2	+	3459490	3459999	8.158982323	18.14982437	11.01503923	18.87526314	13.51468843	-0.219510986	0.082300778	0.0207758

gspI	gi 49175990 ref NC_000913.2	+	3459996	3460373	12.9972439	7.539204589	7.087277716	11.2119106	14.42762044	-0.05552774	0.060367273	0.0118829
gspJ	gi 49175990 ref NC_000913.2	+	3460366	3460953	26.67126992	35.20325061	43.75246585	39.351604	45.91690514	-0.500932099	0.959014554	0.4666554
gspK	gi 49175990 ref NC_000913.2	+	3460946	3461929	55.71184569	67.4927974	59.53044806	53.88731857	56.10555812	0.105858332	0.175633816	0.055256
gspL	gi 49175990 ref NC_000913.2	+	3461944	3463107	100.55570721	115.9257764	147.2227979	129.1414881	159.1146379	-0.439691582	1.134526992	0.578459
gspM	gi 49175990 ref NC_000913.2	+	3463104	3463565	40.15483044	44.66541239	48.17990819	63.67262299	50.57843451	-0.369384018	0.689943585	0.3092004
gspO	gi 49175990 ref NC_000913.2	+	3463565	3464242	158.5654472	147.1871786	143.1018215	211.6162129	198.40976	-0.276226122	0.555145533	0.2405783
bfr	gi 49175990 ref NC_000913.2	-	3464271	3464747	799.4637189	795.9359529	718.076788	1372.512218	900.97994	-0.342811488	0.6755756	0.3029535
bfd	gi 49175990 ref NC_000913.2	-	3464819	3465013	93.79467757	78.77070606	31.74885976	35.7042407	23.77848434	1.52594399	7.517392195	5.9528008
chiA	gi 49175990 ref NC_000913.2	-	3465182	3467875	413.2008206	422.6722445	424.9848442	479.7518192	466.6064305	-0.137580593	0.253320879	0.0923968
tufA	gi 49175990 ref NC_000913.2	-	3468167	3469351	49525.75824	45028.62454	43526.24324	35272.5046	35522.12157	0.336052567	0.731272298	0.3283671
fusA	gi 49175990 ref NC_000913.2	-	3469422	3471536	51869.08537	50018.96387	38071.12289	31486.46177	35546.60589	0.552225943	1.695052815	0.9766759
rpsG	gi 49175990 ref NC_000913.2	-	3471564	3472103	9997.046885	9682.361106	6913.07515	5346.003125	6959.041571	0.630052957	2.095641494	1.2731876
rpsL	gi 49175990 ref NC_000913.2	-	3472200	3472574	8278.210196	9545.673954	5614.790219	4891.879343	6524.776744	0.628955355	2.263651538	1.4050162
tusB	gi 49175990 ref NC_000913.2	-	3472700	3472987	280.5014478	304.9220265	284.2433664	313.8363773	302.8609495	-0.052234639	0.056538605	0.0106306
tusC	gi 49175990 ref NC_000913.2	-	3472995	3473354	232.9143234	225.0866855	222.6899899	230.8039933	187.5780858	0.107618748	0.176510749	0.0558515
tusD	gi 49175990 ref NC_000913.2	-	3473354	3473740	371.4835319	388.4888898	372.2221828	373.1163417	264.0548931	0.177203653	0.353926813	0.1403861
yheO	gi 49175990 ref NC_000913.2	-	3473740	3474462	64.1276058	603.0979668	674.6181816	669.0896945	468.2518954	0.060391198	0.072447379	0.1013854
fkpA	gi 49175990 ref NC_000913.2	-	3474629	3475441	2757.315694	2861.79661	2375.937533	2929.525437	3353.606393	-0.057974254	0.05840868	0.0110921
slyX	gi 49175990 ref NC_000913.2	+	3475662	3475880	543.0009444	587.0155655	321.6382213	272.9224773	473.7658583	0.647693512	2.261265715	1.4041677
slyD	gi 49175990 ref NC_000913.2	-	3475929	3476519	5782.897148	6124.409953	7141.64091	6282.015322	7544.603379	-0.237999232	0.486661578	0.2053306
yheV	gi 49175990 ref NC_000913.2	-	3476614	3476814	107.1658198	110.1841358	148.992988	127.7767942	97.97016592	-0.190613769	0.36237404	0.1431584
kefB	gi 49175990 ref NC_000913.2	-	3476824	3478629	249.3677786	237.4278187	352.4080617	361.8792337	253.9533847	-0.39338832	1.058036478	0.5287486
kefG	gi 49175990 ref NC_000913.2	-	3478629	3479183	184.7700289	189.9695357	272.7765331	272.2451524	198.9453349	-0.400417731	1.021314351	0.5107352
yheS	gi 49175990 ref NC_000913.2	+	3479311	3481224	105.071304	959.2614683	898.1217536	825.3207098	928.6901978	0.202046267	0.413547059	0.1691072
yheT	gi 49175990 ref NC_000913.2	+	3481224	3482246	311.3701448	282.0470205	265.1878207	258.9754578	245.7559808	0.225310804	0.459809891	0.1927128
yheU	gi 49175990 ref NC_000913.2	+	3482240	3482458	212.226482	241.3028295	323.4241112	290.4907859	304.0130378	-0.445033774	1.240251941	0.6494538
prkB	gi 49175990 ref NC_000913.2	+	3482512	3483381	620.1718498	633.5301071	780.1223747	801.5591871	751.6473837	-0.31390482	0.83418265	0.3895126
yhfA	gi 49175990 ref NC_000913.2	-	3483436	3483840	563.5480438	548.0243299	710.4820181	658.0591708	552.2025794	-0.191710348	0.439960344	0.1050178
crp	gi 49175990 ref NC_000913.2	+	3484142	3484774	3853.491924	4621.869073	4955.187732	4658.451929	4905.321133	-0.216241277	0.389612748	0.1548204
yhfK	gi 49175990 ref NC_000913.2	+	3484813	3486915	1564.648273	1659.345192	2061.864169	2030.477188	2202.978803	-0.390233567	0.986858448	0.4831349
argD	gi 49175990 ref NC_000913.2	-	3486982	3488202	233.671166	265.999145	281.2438537	260.2512555	294.9050659	-0.175011613	0.312162696	0.1218549
pabA	gi 49175990 ref NC_000913.2	-	3488288	3488851	84.52307851	84.52894186	77.96355832	84.93579212	53.1089988	0.236787685	0.428040992	0.1754896
fic	gi 49175990 ref NC_000913.2	-	3488883	3489485	429.3742375	389.3749493	568.8535705	469.6551452	301.2959774	-0.091303825	0.20472419	0.0682967
yhfG	gi 49175990 ref NC_000913.2	-	3489475	3489642	276.6235509	309.6841272	296.8336971	298.0833227	239.2212884	0.065889138	0.136976954	0.0413446
ppiA	gi 49175990 ref NC_000913.2	-	3489747	3490319	837.8137975	869.0908135	725.2377253	535.2259588	747.9388503	0.651484278	0.970648071	0.4733387
tsgA	gi 49175990 ref NC_000913.2	+	3490590	3491771	559.7508817	546.1262173	440.3244541	467.3229543	374.9302835	0.376811544	1.085569186	0.5501055
nirB	gi 49175990 ref NC_000913.2	+	3492033	3494576	13319.51775	12054.00829	11221.65117	3635.89475	9754.149667	0.672522937	1.357072574	0.7355514
nirD	gi 49175990 ref NC_000913.2	+	3494573	3494899	1918.168258	1627.895661	1576.725355	522.3417732	1008.507987	0.839430588	2.040992845	1.2290381
nirC	gi 49175990 ref NC_000913.2	+	3495025	3495831	1678.687964	1562.401935	845.1120557	320.5836187	913.4753695	1.25244362	4.502137152	3.2953433
cysG	gi 49175990 ref NC_000913.2	+	3495850	3497223	2140.765975	1892.912091	1381.163463	713.8497299	1340.080544	0.850310071	2.777939641	1.8336062
yhfL	gi 49175990 ref NC_000913.2	+	3497470	3497637	84.19756347	95.97315046	59.13656486	21.95123953	71.23458172	0.819296799	2.017361509	1.2109042
friA	gi 49175990 ref NC_000913.2	+	3497932	3499269	12.39975609	15.22104653	9.864418823	17.83831316	17.84689043	-0.170363565	0.0987655	0.0262976
friB	gi 49175990 ref NC_000913.2	+	3499290	3500312	63.84716132	78.90040102	96.42905346	72.03859314	94.11020966	-0.312157928	0.597777344	0.2647841
friC	gi 49175990 ref NC_000913.2	+	3500362	3501192	64.11053115	53.12906476	58.00504863	43.93931158	54.90520429	0.193866308	0.275175055	0.1029688
friD	gi 49175990 ref NC_000913.2	+	3501189	3501974	87.88969601	80.70053448	88.10814388	69.60694113	64.14493465	0.211912918	0.345048113	0.1356717
friR	gi 49175990 ref NC_000913.2	+	3502074	3502805	194.1237386	207.0817283	247.2640713	206.3672761	187.5774941	-0.088525232	0.145939323	0.0438611
yhfS	gi 49175990 ref NC_000913.2	-	3502957	3504042	59.61600058	36.91248098	63.96907691	43.87468166	40.61468145	0.03410771	0.029034508	0.0017515
yhfT	gi 49175990 ref NC_000913.2	-	3504054	3505358	55.98487354	59.85419273	61.67355901	45.01951199	48.32674153	0.169235144	0.261181165	0.0963912
yhfU	gi 49175990 ref NC_000913.2	-	3505370	3505723	46.79131013	59.90780249	46.99128803	58.23727292	60.45474869	-0.086894628	0.048024756	0.0078702
php	gi 49175990 ref NC_000913.2	-	3505734	3506612	35.44309791	46.60977256	47.85891729	59.1490533	39.51019331	-0.281684215	0.377502798	0.1485519
yhfW	gi 49175990 ref NC_000913.2	-	3506609	3507835	21.51898876	19.92779635	36.62181898	31.37257303	23.78131238	-0.539366556	0.973276176	0.4749603
yhfX	gi 49175990 ref NC_000913.2	-	3507835	3508998	9.428627112	9.49423632	9.638239589	16.63826848	11.28437825	-0.408544817	0.318327203	0.1240538
yhfY	gi 49175990 ref NC_000913.2	-	3509082	3509444	25.24743212	37.12879628	42.01699469	30.45816789	37.00862623	-0.256907824	0.304345964	0.1175135
yhfZ	gi 49175990 ref NC_000913.2	-	3509461	3510366	79.12736436	91.22736433	113.6275883	104.2476483	89.95289532	-0.278125516	0.551876796	0.2392178
trpS	gi 49175990 ref NC_000913.2	-	3510656	3511660	988.3734304	918.4293301	893.0228595	704.2156595	644.1877449	0.377120424	0.97136709	0.4737224
gph	gi 49175990 ref NC_000913.2	-	3511653	3512411	660.7976138	628.7481865	605.4600991	501.273617	479.1929779	0.304567796	0.711277329	0.3184473
rpe	gi 49175990 ref NC_000913.2	-	3512404	3513081	810.0027566	709.4439672	794.090108	660.5419977	701.1479169	0.107063389	0.153888579	0.0483816

dam	gi 49175990 ref NC_000913.2	-	3513099	3513935	815.347979	786.4230267	823.5992539	726.6691191	796.4000578	0.043263912	0.061948409	0.0128622
damX	gi 49175990 ref NC_000913.2	-	3514042	3515328	2161.095559	2195.018243	2028.526086	1919.511432	2078.502131	0.115217275	0.221475138	0.0773895
aroB	gi 49175990 ref NC_000913.2	-	3515420	3516508	3291.427941	3153.350095	3040.165617	2588.856059	2577.888564	0.251141265	0.552510754	0.2392304
aroK	gi 49175990 ref NC_000913.2	-	3516565	3517086	1459.503165	1448.455068	1481.338087	1320.758553	1231.864567	0.121761385	0.219843216	0.0762031
hofQ	gi 49175990 ref NC_000913.2	-	3517487	3518725	46.55979076	35.06710025	56.76227584	50.50380542	49.43584584	-0.318396071	0.678270992	0.3037385
hofP	gi 49175990 ref NC_000913.2	-	3518637	3519041	13.51378961	9.45293239	14.32325113	10.17415106	11.25458123	-0.008646873	0.004222156	0
hofO	gi 49175990 ref NC_000913.2	-	3519031	3519471	16.59982648	13.26119722	25.8638708	16.92346945	15.85089	-0.346842268	0.47666927	0.2007769
hofN	gi 49175990 ref NC_000913.2	-	3519455	3519994	18.25881014	9.412483828	28.24899016	18.00508643	12.60000755	-0.420362208	0.607677872	0.2691403
hofM	gi 49175990 ref NC_000913.2	-	3519994	3520773	54.03692976	43.62786012	72.78490149	67.31710946	67.35197908	-0.473027179	1.198767056	0.6198569
mrca	gi 49175990 ref NC_000913.2	+	3520893	3523445	694.1460256	679.1009961	623.4407212	577.5114522	624.7563677	0.179116544	0.388032955	0.1543669
nudE	gi 49175990 ref NC_000913.2	-	3523611	3524171	468.4248374	525.2944889	338.5651004	370.9965138	347.7761258	0.476360624	1.689622344	0.9718025
yrfF	gi 49175990 ref NC_000913.2	+	3524491	3526626	1494.812164	1494.999534	1468.791835	1402.692938	1593.828619	0.00526539	0.012821463	0
yrfG	gi 49175990 ref NC_000913.2	+	3526691	3527359	975.8441926	1060.025097	848.4751823	918.3155887	1100.078957	0.070732272	0.171067174	0.0538242
hsiR	gi 49175990 ref NC_000913.2	+	3527370	3527771	334.0853219	302.9430204	299.9828833	300.5164207	318.4988339	0.068249645	0.097542629	0.0262976
hsiO	gi 49175990 ref NC_000913.2	+	3527796	3528674	597.7819506	554.6515417	467.1701323	505.5211095	462.2378709	0.277443584	0.691075967	0.3093052
yhgE	gi 49175990 ref NC_000913.2	-	3528737	3530461	330.8180605	310.5565089	353.0214851	332.0232857	390.1816891	-0.152687485	0.324897782	0.1265519
pck	gi 49175990 ref NC_000913.2	+	3530840	3532462	4366.810702	4007.210132	8521.76912	7495.904774	5768.433794	-0.768444668	2.887282405	1.9237717
envZ	gi 49175990 ref NC_000913.2	-	3532538	3533890	1133.961972	1107.465082	1249.653523	1269.05403	1143.20138	-0.117961925	0.240767293	0.0867246
ompR	gi 49175990 ref NC_000913.2	-	3533887	3534606	1049.523162	991.5725087	1172.890289	1142.529229	1225.976363	-0.202348422	0.477689317	0.2010025
greB	gi 49175990 ref NC_000913.2	+	3534834	3535310	164.6225762	207.1506514	132.8083843	202.7818679	227.2997942	-0.06497851	0.009328195	0
yhfF	gi 49175990 ref NC_000913.2	+	3535407	3537728	1018.18967	904.1611306	598.4664508	541.7575721	681.7462326	0.678046595	2.762444587	1.8208812
feoA	gi 49175990 ref NC_000913.2	+	3538185	3538412	830.1036986	896.6545626	401.4347195	318.6761597	373.4940752	1.240371851	7.863124679	6.2660475
feoB	gi 49175990 ref NC_000913.2	+	3538429	3540750	4688.920097	4720.563416	1210.468051	1013.632909	970.5094486	2.152949645	20.03025666	17.420342
feoC	gi 49175990 ref NC_000913.2	+	3540750	3540986	786.1020982	808.2986621	172.7541392	186.1701063	186.1701063	2.125748648	21.88908274	19.124266
yhgA	gi 49175990 ref NC_000913.2	+	3541189	3542067	157.4349203	139.5710634	117.3125514	133.4100802	145.647878	0.176607465	0.32373633	0.1259463
bioH	gi 49175990 ref NC_000913.2	-	3542096	3542866	283.2810339	283.9905566	274.1115517	266.7001138	207.8612833	0.191593168	0.384702916	0.1533681
gntX	gi 49175990 ref NC_000913.2	+	3542904	3543587	306.863598	234.4864851	275.075308	228.7872948	205.5452275	0.242838438	0.390626325	0.1556435
nfuA	gi 49175990 ref NC_000913.2	+	3543646	3544221	600.0131793	606.9307902	371.618639	376.7264049	388.0774765	0.668758135	2.897645539	1.9331534
gntT	gi 49175990 ref NC_000913.2	+	3544581	3545897	318.8923305	293.4514074	500.8397536	489.7490122	356.0325637	-0.531657497	1.732852077	1.0056234
maiQ	gi 49175990 ref NC_000913.2	-	3546008	3548092	1765.405142	1523.424205	6402.830501	5214.131634	2178.382589	-1.431630262	5.412703336	4.0972552
maiP	gi 49175990 ref NC_000913.2	-	3548102	3550495	2555.499878	2158.837906	8398.743171	7390.212158	3351.630852	-1.387559102	5.529678652	4.2030655
maiT	gi 49175990 ref NC_000913.2	+	3551107	3553812	3934.796702	4047.15732	7509.122011	7376.0022	7090.566397	-0.87822713	3.75047181	2.6484133
rtcA	gi 49175990 ref NC_000913.2	-	3553855	3554871	239.6932987	244.1051672	310.9007657	359.7477656	337.6428684	-0.48217691	1.455838695	0.7962891
rtcB	gi 49175990 ref NC_000913.2	-	3554875	3556101	90.69066537	95.94675562	94.20708064	102.9913501	84.30557749	-0.014188598	0	0
rtcR	gi 49175990 ref NC_000913.2	+	3556290	3557888	146.7484058	199.5834851	169.3408933	135.8839238	157.0156269	0.134685027	0.308900932	0.1196023
glpR	gi 49175990 ref NC_000913.2	-	3557870	3558628	505.6734163	466.3166549	398.0344102	340.0183154	453.998058	0.302020699	0.724559161	0.3248854
glpG	gi 49175990 ref NC_000913.2	-	3558645	3559475	898.1142974	840.5482053	716.2478451	614.6424178	745.7872644	0.340751325	0.929018501	0.4516294
glpE	gi 49175990 ref NC_000913.2	-	3559520	3559846	413.7632479	432.1798579	261.9884576	283.7324843	336.2244545	0.510732274	1.794552907	1.0497425
glpD	gi 49175990 ref NC_000913.2	+	3560036	3561541	18646.74075	18465.28104	26399.90334	21013.91959	25123.39457	-0.373206889	0.941067201	0.4572842
glgP	gi 49175990 ref NC_000913.2	-	3562157	3564604	2212.081721	2328.009101	3419.76949	3221.003351	2803.475266	-0.472375128	1.435388878	0.7811622
glgA	gi 49175990 ref NC_000913.2	-	3564623	3566056	1876.75061	1782.767867	2985.660409	2802.73184	2150.797217	-0.514972633	1.544308873	0.860222
glgC	gi 49175990 ref NC_000913.2	-	3566056	3567351	1365.870475	1214.749767	2355.210894	2145.729957	1548.519569	-0.614305997	2.008210631	1.2056112
glgX	gi 49175990 ref NC_000913.2	-	3567369	3569342	1246.793615	1259.450975	2194.065555	1857.587973	1168.44698	-0.454663261	1.159354935	0.5764721
glgB	gi 49175990 ref NC_000913.2	-	3569339	3571525	2081.920604	1926.176862	2966.447811	2628.891157	1668.709659	-0.244148255	0.529280477	0.2272311
asd	gi 49175990 ref NC_000913.2	-	3571798	3572901	1691.440319	1516.79348	2458.31249	2005.736467	1551.872083	-0.288819328	0.699747608	0.3125497
yhgN	gi 49175990 ref NC_000913.2	+	3573094	3573687	143.0891782	149.1325182	162.9377451	148.078163	152.5888906	-0.082032833	0.123648414	0.0368896
gntU	gi 49175990 ref NC_000913.2	-	3573744	3575084	212.1595173	200.3822951	193.0381083	156.0087335	162.7477751	0.291030466	0.619951998	0.2762693
gntK	gi 49175990 ref NC_000913.2	-	3575088	3575615	130.5966205	130.1185086	115.7976464	114.5141906	144.4275867	0.057315022	0.09796208	0.0262976
gntR	gi 49175990 ref NC_000913.2	-	3575754	3576749	1014.699647	1192.08681	1095.851509	1042.766671	1122.790382	-0.001091138	0.038560362	0.0042561
yhhW	gi 49175990 ref NC_000913.2	-	3576973	3577668	418.2153217	432.1749939	657.3457091	598.6537612	502.8546541	-0.458659981	1.424004294	0.7753008
yhhX	gi 49175990 ref NC_000913.2	-	3577791	3578828	1022.693003	1061.903188	1377.089716	1316.307367	1387.548806	-0.388520632	1.100044657	0.5577652
yhhY	gi 49175990 ref NC_000913.2	+	3579161	3579649	192.2856448	248.9571749	216.6568306	236.5407694	245.5597103	-0.118113752	0.126209209	0.0373086
insA	gi 49175990 ref NC_000913.2	+	3581506	3581781	122.8155458	132.0474721	118.5721661	125.6582748	150.0605935	-0.060291398	0.056994605	0.0108652
insB	gi 49175990 ref NC_000913.2	+	3581700	3582203	134.66366	152.0136255	173.0723144	140.2806443	139.2458213	-0.078932268	0.112358702	0.031361
yrhB	gi 49175990 ref NC_000913.2	+	3582782	3583066	12.48976419	5.626027238	7.053877398	12.26459839	12.27047824	-0.165462041	0.106630817	0.0284507
ggt	gi 49175990 ref NC_000913.2	-	3583104	3584846	484.4426128	417.8468348	450.8121112	374.7382865	460.8781348	0.097685832	0.132613077	0.0396305
yhhA	gi 49175990 ref NC_000913.2	+	3584966	3585406	304.1648209	299.1792292	486.8139094	569.1179252	375.1181955	-0.657017328	2.277186252	1.4155241

ugpQ	gi 49175990 ref NC_000913.2	-	3585393	3586136	254.091003	219.3406203	297.4066914	245.5562875	200.0559367	-0.030720304	0.09860081	0.0262976
ugpC	gi 49175990 ref NC_000913.2	-	3586133	3587203	171.4164014	147.1564623	174.5765523	159.1843418	137.0940247	0.049299536	0.032005028	0.0030156
ugpE	gi 49175990 ref NC_000913.2	-	3587205	3588050	33.01859683	28.45669824	32.04964016	44.51601293	26.0578921	-0.140997529	0.175180894	0.0550844
ugpA	gi 49175990 ref NC_000913.2	-	3588047	3588934	24.61012361	14.15520941	25.201769	27.92495807	21.44349242	-0.304065218	0.487176879	0.2053306
ugpB	gi 49175990 ref NC_000913.2	-	3589032	3590348	71.6485928	79.81618187	95.04451317	94.01537677	66.52907875	-0.174647983	0.279656856	0.1055868
livF	gi 49175990 ref NC_000913.2	-	3590747	3591460	42.13641133	44.65246426	37.13850215	38.08541566	34.83983973	0.237131451	0.373746431	0.1468014
livG	gi 49175990 ref NC_000913.2	-	3591462	3592229	33.1346532	38.97852214	32.19957085	14.85492761	21.37060231	0.663390067	1.33043458	0.7169348
livM	gi 49175990 ref NC_000913.2	-	3592226	3593503	54.26663999	38.84916689	47.08427122	33.78125736	34.88938911	0.320617235	0.460939491	0.1934841
livH	gi 49175990 ref NC_000913.2	-	3593500	3594426	25.95128101	14.14577294	17.35581274	13.63555706	23.34580524	0.20077577	0.101574792	0.0267012
livK	gi 49175990 ref NC_000913.2	-	3594474	3595583	43.24975607	49.42326121	30.8469312	38.01961379	34.77832652	0.402430197	0.856891825	0.402617
yhhK	gi 49175990 ref NC_000913.2	+	3596007	3596390	399.8721355	418.8837585	476.13477659	421.7447513	486.7222204	-0.176922257	0.360743717	0.1426462
livJ	gi 49175990 ref NC_000913.2	-	3596578	3597681	99.95886663	89.23809218	93.67877089	76.37558476	79.7187024	0.20678607	0.35714761	0.1413425
rhoH	gi 49175990 ref NC_000913.2	-	3597952	3598806	7549.855118	7659.284688	5101.890984	6326.345409	5548.152829	0.416589627	1.204269025	0.6233323
ftsX	gi 49175990 ref NC_000913.2	-	3599051	3600109	746.0181101	702.8287889	783.2430661	709.6147092	563.5061973	0.099138803	0.147034087	0.0441955
ftsE	gi 49175990 ref NC_000913.2	-	3600102	3600770	659.5394207	626.8480507	686.4094605	636.6888952	481.6607914	0.114412687	0.178007752	0.0563259
ftsY	gi 49175990 ref NC_000913.2	-	3600773	3602266	911.2286664	887.1073463	1252.659499	1071.806047	866.3982718	-0.224712282	0.531939339	0.22845
rsmD	gi 49175990 ref NC_000913.2	+	3602416	3603012	262.4697958	262.1432574	229.7310569	236.5811002	246.7141976	0.140145823	0.282786365	0.1073228
yhhL	gi 49175990 ref NC_000913.2	+	3603002	3603271	134.6356048	122.4854956	98.58466339	103.2256021	120.9400384	0.263581451	0.570608513	0.2491116
yhhM	gi 49175990 ref NC_000913.2	-	3603274	3603633	198.8124299	193.7466584	157.3431843	123.5623242	143.5634202	0.483504924	1.344982222	0.7276213
yhhN	gi 49175990 ref NC_000913.2	+	3603774	3604400	726.6429379	779.8244403	789.8264759	891.1984607	856.9856972	-0.182628596	0.359710615	0.1424431
zntA	gi 49175990 ref NC_000913.2	+	3604474	3606672	1697.688487	1549.095229	1720.461704	1758.909208	1427.144407	0.006407746	0.012233791	0
tusA	gi 49175990 ref NC_000913.2	-	3606774	3607019	274.272043	290.6635207	169.6232161	188.6112453	289.8248066	0.363421954	0.925080371	0.4496612
yhhQ	gi 49175990 ref NC_000913.2	+	3607240	3607905	372.4413375	352.3513241	200.4894343	263.5812549	367.2360178	0.374497492	0.937140068	0.4556249
dcrB	gi 49175990 ref NC_000913.2	+	3607978	3608535	2791.245286	3018.535608	2991.983403	2869.181819	3403.108198	-0.101966176	0.155915326	0.0487535
yhhS	gi 49175990 ref NC_000913.2	-	3608539	3609756	533.7967703	533.789971	619.3205902	568.5141766	585.5759787	-0.143461584	0.293406426	0.1132795
yhhT	gi 49175990 ref NC_000913.2	+	3609888	3610937	220.0940013	227.0138673	255.5205472	249.8650474	189.9353086	-0.048623207	0.075016596	0.0181358
acpT	gi 49175990 ref NC_000913.2	+	3610992	3611579	527.7954383	581.325353	529.6421036	554.9701834	575.3711367	-0.013585816	0.006871867	0
nikA	gi 49175990 ref NC_000913.2	+	3611690	3613264	1034.261721	1010.584545	1266.859434	811.321275	1610.075794	-0.260208445	0.524801591	0.2249696
nikB	gi 49175990 ref NC_000913.2	+	3613264	3614208	993.6182338	872.8124138	974.7301577	630.7451163	1124.553785	0.060219275	0.057525392	0.0110921
nikC	gi 49175990 ref NC_000913.2	+	3614205	3615038	671.3027178	566.9565323	859.2216619	509.7518585	1006.689126	-0.324795569	0.779542159	0.3574304
nikD	gi 49175990 ref NC_000913.2	+	3615038	3615802	645.1314502	594.5404039	936.2469036	541.1916367	1141.205763	-0.476677236	1.231210438	0.6441366
nikE	gi 49175990 ref NC_000913.2	+	3615799	3616605	517.9788428	434.9313912	714.5669909	386.5142296	860.7611947	-0.425402278	1.017683922	0.5081401
nikR	gi 49175990 ref NC_000913.2	+	3616611	3617012	279.7435631	259.2617101	328.2120621	279.625823	469.3321711	-0.409708669	1.020539493	0.5103057
rhsB	gi 49175990 ref NC_000913.2	+	3617215	3621450	224.2164798	254.6000182	273.1831218	252.3717528	272.5405566	-0.167161559	0.2966078031	0.1141666
yhhI	gi 49175990 ref NC_000913.2	+	3622401	3623537	33.30262042	50.44848059	29.88272153	46.85025971	39.25719438	0.055951017	0.144424407	0.0324219
yhhJ	gi 49175990 ref NC_000913.2	-	3623702	3624826	426.7231148	332.3211106	182.7173447	184.825621	141.6555647	1.200085386	6.257296905	4.8273059
rbbA	gi 49175990 ref NC_000913.2	-	3624826	3627561	780.7980773	719.9154201	440.9725432	421.3554502	293.2716638	0.984128356	4.599054369	3.3800751
yhhI	gi 49175990 ref NC_000913.2	-	3627558	3628625	577.9697162	577.4809285	461.2046989	495.1813717	314.6256157	0.454139386	1.297737396	0.6927928
yhhJ	gi 49175990 ref NC_000913.2	-	3628991	3630613	33.08969142	39.93511912	13.23973981	40.0370083	6.80475928	0.227767876	0.360168813	0.1424431
yhhM	gi 49175990 ref NC_000913.2	+	3632864	3633916	56.53487962	62.71535732	59.64953141	59.40606914	56.15005098	0.019892669	0.029063572	0.0017515
yhhN	gi 49175990 ref NC_000913.2	-	3634231	3635433	329.6655919	299.1441301	318.4034028	237.8407341	214.5878002	0.32203361	0.668763167	0.299398
pitA	gi 49175990 ref NC_000913.2	+	3635665	3637164	2194.996137	2342.263017	2349.883849	2153.995026	2815.194345	-0.117075356	0.180077772	0.0573017
uspB	gi 49175990 ref NC_000913.2	-	3637408	3637743	302.3453257	290.6209221	533.918492	454.8690985	200.6222915	-0.38773147	0.805545201	0.3714324
uspA	gi 49175990 ref NC_000913.2	+	3638134	3638568	5217.680635	5280.95494	6931.794654	7520.29423	5227.752111	-0.318896099	0.731846277	0.3284879
dtpB	gi 49175990 ref NC_000913.2	+	3638885	3640354	1982.841047	1840.695431	2870.060948	2511.348394	2073.349978	-0.355496935	0.931038369	0.4525949
yhhQ	gi 49175990 ref NC_000913.2	-	3640403	3641155	401.6386486	360.8768055	357.4215417	317.2633815	263.9364051	0.310522495	0.699176511	0.3122386
prlC	gi 49175990 ref NC_000913.2	-	3641163	3643205	1730.16973	1733.403117	1743.276498	1482.081598	1070.698724	0.290819696	0.598310287	0.2650874
yhhR	gi 49175990 ref NC_000913.2	+	3643408	3644250	453.8150497	524.3585104	476.4436918	516.7213939	466.7406558	-0.014600623	0.013315738	0
gor	gi 49175990 ref NC_000913.2	+	3644322	3645674	748.1225575	662.9086762	857.5364217	767.9413651	626.2992905	-0.061368563	0.158895163	0.0493545
dinQ	gi 49175990 ref NC_000913.2	-	3645728	3645856	4141.104866	5149.962434	3882.409166	3735.887796	4802.889606	0.129449072	0.327631953	0.1493075
arsR	gi 49175990 ref NC_000913.2	+	3646551	3646904	29.43119221	33.26743653	35.63856843	28.1939446	35.81908135	-0.090516226	0.0477474191	0.0181358
arsB	gi 49175990 ref NC_000913.2	+	3646958	3648247	94.50575216	98.79205649	81.14913582	91.8138543	81.95413239	0.1775841	0.370564004	0.1454249
arsC	gi 49175990 ref NC_000913.2	+	3648260	3648685	36.57086551	51.37971019	43.55454066	49.07447799	28.38250337	0.091517055	0.154907412	0.0487535
insH	gi 49175990 ref NC_000913.2	-	3650205	3651221	87.51151562	1008.7655182	862.8558186	980.8966058	957.9124459	-0.017132671	0.018030228	0
slp	gi 49175990 ref NC_000913.2	+	3651984	3652550	107.8656088	136.860472	92.34206959	158.440384	83.43664222	0.092861821	0.20955034	0.0713676
dctR	gi 49175990 ref NC_000913.2	+	3652706	3653236	10.03455665	10.44778144	4.550885946	16.48607043	7.946544746	0.05448365	0.051435634	0.0088785
yhhD	gi 49175990 ref NC_000913.2	-	3653278	3653925	21.58249433	18.96909619	10.27782857	32.09080529	21.32924826	-0.082118984	0.057364165	0.0110495

hdeB	gi 49175990 ref NC_000913.2	-	3653989	3654315	48.21321489	57.03416459	40.24546019	142.0769186	47.66993673	-0.593710877	0.750529146	0.3411917
hdeA	gi 49175990 ref NC_000913.2	-	3654431	3654763	224.2396912	252.697068	192.4452367	350.1969826	240.224707	-0.165357634	0.200647751	0.0668401
hdeD	gi 49175990 ref NC_000913.2	+	3655018	3655590	130.9448531	144.4055019	151.8828663	198.1662986	168.3211919	-0.348586003	0.733613928	0.3289039
gadE	gi 49175990 ref NC_000913.2	+	3656389	3656916	15.31943299	12.31387264	16.62927453	36.52987741	19.25682195	-0.796556423	1.330406715	0.1719348
mdtE	gi 49175990 ref NC_000913.2	+	3657255	3658412	54.36894009	68.45484818	53.47885765	67.10107241	58.37221755	-0.008917643	0.050619802	0.0085479
mdtF	gi 49175990 ref NC_000913.2	+	3658437	3661550	283.3791262	275.428832	260.2397929	269.0826355	277.0150833	0.057645043	0.098460641	0.0262976
gadW	gi 49175990 ref NC_000913.2	-	3661913	3662641	316.7269342	317.2335872	116.7523279	191.3524034	172.6126813	0.96441671	4.348685562	3.1652824
gadX	gi 49175990 ref NC_000913.2	-	3663009	3663833	499.4717611	538.5737868	231.3971427	486.884538	347.7956688	0.509841248	1.496583357	0.8231827
gadA	gi 49175990 ref NC_000913.2	-	3664203	3665603	123.2279722	113.9438352	111.6502618	126.5394332	110.0314003	0.038581777	0.043440742	0.0060195
yhjA	gi 49175990 ref NC_000913.2	-	3665814	3667211	363.3889275	367.5780314	489.8779612	586.0616867	470.2070668	-0.500971438	1.569233348	0.87892
treF	gi 49175990 ref NC_000913.2	+	3667615	3669264	353.3746071	348.5705957	300.8799633	303.7022898	250.4034529	0.306452748	0.75153894	0.3414472
yhjB	gi 49175990 ref NC_000913.2	-	3669315	3669917	64.94162441	65.53554608	53.0062711	45.02259979	57.0769509	0.3362571	0.683707222	0.3062807
yhjC	gi 49175990 ref NC_000913.2	+	3670437	3671336	88.33737402	67.34414144	55.87696924	57.20475646	60.51961078	0.457895562	1.02283299	0.5112161
yhjD	gi 49175990 ref NC_000913.2	+	3671385	3672398	607.2141656	568.9031024	512.7682226	492.0326633	371.703543	0.375988084	0.979791041	0.4786629
yhjE	gi 49175990 ref NC_000913.2	+	3672809	3674131	124.1883875	128.2325754	106.3269564	110.9912077	113.2571047	0.189577426	0.40187758	0.1627105
yhjG	gi 49175990 ref NC_000913.2	-	3674313	3676373	1036.467667	926.0095667	1313.630201	1073.014687	934.7609626	-0.143699961	0.345604557	0.1360554
yhjH	gi 49175990 ref NC_000913.2	-	3676443	3677210	833.2454521	752.1992014	1450.673338	1264.70406	1152.270863	-0.677344143	2.728206114	1.7977196
kdgK	gi 49175990 ref NC_000913.2	+	3677442	3678371	438.7068762	414.0877279	496.0449198	514.4646986	434.3325061	-0.165270492	0.37017463	0.1454249
yhjJ	gi 49175990 ref NC_000913.2	-	3678467	3679963	1155.191488	1203.426778	1564.186791	1722.951221	1369.913836	-0.401754182	1.09843456	0.5577652
dctA	gi 49175990 ref NC_000913.2	-	3680184	3681470	358.8750879	385.6518157	1188.091253	969.6323211	553.8331842	-1.265456546	5.60326143	4.2675049
yhjK	gi 49175990 ref NC_000913.2	-	3681653	3683641	688.5362957	660.0953959	712.9354826	605.4938915	554.3910307	0.128088289	0.21848395	0.0758113
bcsC	gi 49175990 ref NC_000913.2	-	3683723	3687196	428.689654	395.0809424	489.1340498	514.3219013	359.4024288	-0.124187538	0.262166304	0.0969211
bcsZ	gi 49175990 ref NC_000913.2	-	3687178	3688284	77.22932429	89.32854867	74.42951942	91.6261822	63.089047	0.105486395	0.207503767	0.0702944
bcsB	gi 49175990 ref NC_000913.2	-	3688291	3690630	237.1751614	196.5293234	199.1873614	200.7367317	215.2836558	0.103665254	0.139871683	0.0418239
bcsA	gi 49175990 ref NC_000913.2	-	3690641	3693259	216.0782437	240.3435969	177.8072859	166.0648158	189.4545677	0.345994229	0.92562708	0.4496612
yhjR	gi 49175990 ref NC_000913.2	-	3694020	3694208	173.2984809	185.2364036	190.3204077	160.3995223	148.2809227	0.109625291	0.191018564	0.0618295
bcsE	gi 49175990 ref NC_000913.2	+	3694481	3696052	1331.562786	1265.120746	1517.53536	1578.385366	1272.3416	-0.154821564	0.331383464	0.1302177
bcsF	gi 49175990 ref NC_000913.2	+	3696049	3696240	148.8440117	151.0215454	182.3462029	143.6914151	150.420023	-0.074124191	0.123577989	0.0368896
bcsG	gi 49175990 ref NC_000913.2	+	3696237	3697916	968.2342674	886.1287039	902.7771147	834.060098	679.0034912	0.225229346	0.462383085	0.1939831
ldrD	gi 49175990 ref NC_000913.2	-	3698003	3698110	124.6906975	134.8994394	88.97779728	70.97618219	110.6768367	0.51370109	1.48950046	0.8166022
yhjV	gi 49175990 ref NC_000913.2	+	3698586	3699857	405.5603124	423.631552	394.8450286	473.0594743	504.5630446	-0.158259359	0.273463074	0.1020023
dppF	gi 49175990 ref NC_000913.2	-	3699887	3700891	782.853654	827.3078316	1490.534392	1260.304467	1256.487535	-0.729236691	3.00403716	2.0184048
dppD	gi 49175990 ref NC_000913.2	-	3700888	3701871	1024.2246	983.9818636	2019.312938	1573.11571	1436.153055	-0.717534349	2.789093967	1.840045
dppC	gi 49175990 ref NC_000913.2	-	3701882	3702784	1033.428363	1070.450344	1404.401872	1283.708306	1143.29381	-0.277124929	0.689688919	0.3092004
dppB	gi 49175990 ref NC_000913.2	-	3702794	3703813	886.3831126	924.1823571	889.1228427	737.7641986	628.5392362	0.276069945	0.266219942	0.2976012
dppA	gi 49175990 ref NC_000913.2	-	3704121	3705728	4962.788014	4977.960611	5136.056829	6007.94284	4991.894162	-0.117862053	0.201938855	0.0675504
eptB	gi 49175990 ref NC_000913.2	-	3706807	3708498	1283.456297	1272.739533	1291.87007	1646.794499	1653.258681	-0.270925594	0.592552502	0.2622281
yhjX	gi 49175990 ref NC_000913.2	-	3708822	3710030	416.5027728	407.4551272	100.5283404	103.3962721	4183.544125	-1.895506738	1.403302347	0.7611946
yhjY	gi 49175990 ref NC_000913.2	-	3710259	3710957	326.583755	352.4098667	298.9518794	355.1988953	314.1523078	0.057004896	0.129358749	0.0378267
tag	gi 49175990 ref NC_000913.2	+	3711115	3711678	253.6086795	255.4983025	298.9866081	273.4496206	203.4635267	-0.012363562	0.028437452	0.0017411
yiaC	gi 49175990 ref NC_000913.2	+	3711675	3712115	162.897953	155.7469558	189.5342503	189.4045827	167.303567	-0.183443185	0.37865732	0.1493159
bisC	gi 49175990 ref NC_000913.2	-	3712084	3714417	661.5054388	615.4005362	619.18236	574.052212	541.9457816	0.158144283	0.293937383	0.113293
yiaD	gi 49175990 ref NC_000913.2	+	3714570	3715229	283.3025655	282.0879759	119.926628	126.7942011	154.5206734	1.072836422	5.495105481	4.1729928
ghrB	gi 49175990 ref NC_000913.2	+	3715333	3716307	1642.680664	1546.260491	1516.205776	1426.149774	1420.179213	0.144868296	0.263189537	0.0969652
yiaF	gi 49175990 ref NC_000913.2	-	3716357	3717067	2290.863299	2476.192764	2569.165278	2243.483275	2107.946603	0.04478293	0.081355902	0.0204431
yiaG	gi 49175990 ref NC_000913.2	+	3717501	3717791	442.8640565	452.1155584	271.420863	597.9068363	458.7227749	-0.016287462	0.023525275	0.0005477
cspA	gi 49175990 ref NC_000913.2	+	3718072	3718284	55140.41241	59747.94274	47546.81979	49047.02407	73746.55347	-0.007577752	0.027819004	0.0014991
hokA	gi 49175990 ref NC_000913.2	-	3718471	3718623	31.7990594	26.55129071	14.06503387	27.8400577	25.69546448	0.370018934	0.556200595	0.2409728
insJ	gi 49175990 ref NC_000913.2	+	3718703	3719224	80.92048302	75.00545821	46.45184364	99.19073607	69.60929612	0.105946682	0.169207429	0.0533084
insK	gi 49175990 ref NC_000913.2	+	3719221	3720072	86.38780177	87.38233944	49.19841405	68.5779713	115.8665612	0.131974826	0.23256212	0.0776899
glyS	gi 49175990 ref NC_000913.2	-	3720351	3722420	4377.464564	4099.35158	4640.101152	3826.642577	3907.132725	0.058533891	0.06804424	0.016118
glyQ	gi 49175990 ref NC_000913.2	-	3722430	3723341	1345.476229	1267.016168	1504.234535	1182.849143	912.5046948	0.150832028	0.222013206	0.0773895
ysaB	gi 49175990 ref NC_000913.2	-	3723436	3723735	68.0794592	69.33785454	74.69792748	99.44667549	71.9930269	-0.263197994	0.486704729	0.2053306
wecH	gi 49175990 ref NC_000913.2	+	3723910	3724905	44.38595577	38.90354355	30.30432877	55.8170332	53.66354293	-0.16813385	0.214232888	0.073582
yiaA	gi 49175990 ref NC_000913.2	-	3724947	3725384	23.52921414	31.40236019	24.98233197	38.18791661	56.70420795	-0.591037234	0.934166246	0.4539297
yiaB	gi 49175990 ref NC_000913.2	-	3725430	3725771	4.439144513	3.786723196	5.60167069	7.858778192	9.997595208	-0.903052275	0.755360724	0.3439111
xyiB	gi 49175990 ref NC_000913.2	-	3725940	3727394	78.31636882	75.01644596	98.33058655	66.36305531	66.39821419	0.016834161	0	0

xyIA	gi 49175990 ref NC_000913.2	-	3727466	3728788	169.5667989	143.3515185	154.2771158	163.7214249	179.3301618	-0.066276816	0.125337087	0.037135
xyIF	gi 49175990 ref NC_000913.2	+	3729154	3730146	33.00198952	41.84812673	46.51730043	55.83027987	39.47559081	-0.36215997	0.596390321	0.2643142
xyIG	gi 49175990 ref NC_000913.2	+	3730224	3731765	141.1456837	187.2244263	164.8949064	174.9335259	191.6669999	-0.15182087	0.177983595	0.0563259
xyIH	gi 49175990 ref NC_000913.2	+	3731743	3732924	73.46561452	64.54158336	71.55008274	66.22630012	70.65318256	0.008095632	0	0
xyIR	gi 49175990 ref NC_000913.2	+	3733002	3734180	222.7594229	219.3958478	193.0332787	196.4166898	268.7610315	0.004516108	0.015715656	0
bax	gi 49175990 ref NC_000913.2	-	3734376	3735200	2390.507179	2624.37102	1922.630171	2567.435245	3226.621793	-0.069826609	0.049593932	0.0081378
maiS	gi 49175990 ref NC_000913.2	+	3735520	3737550	322.4931041	314.3722397	699.6226912	690.3301995	435.8395043	-0.919341854	3.889380919	2.7656595
avtA	gi 49175990 ref NC_000913.2	+	3737728	3738981	790.603725	793.090062	595.5912936	576.3014869	575.4861428	0.444342014	1.463870317	0.7989872
ysaA	gi 49175990 ref NC_000913.2	-	3739132	3739605	270.8650875	254.5186131	982.469113	917.0312171	764.2193248	-1.739922097	13.06243388	10.957669
yaJ	gi 49175990 ref NC_000913.2	-	3739707	3740555	359.3577358	322.8848026	282.4004381	234.6031854	298.1864542	0.34573873	0.847143553	0.3971622
yaK	gi 49175990 ref NC_000913.2	+	3740756	3741754	21.51898876	19.92779635	16.34563948	22.35718877	22.36822821	0.024780712	0	0
yaN	gi 49175990 ref NC_000913.2	+	3742827	3744104	11.53380892	18.10871562	17.08643222	16.76867023	12.46892988	-0.092894911	0	0
yaO	gi 49175990 ref NC_000913.2	+	3744117	3745103	9.210716633	12.37744358	10.32284031	4.637946799	8.933069535	0.42489916	0.403338251	0.1637518
lyxK	gi 49175990 ref NC_000913.2	+	3745107	3746603	25.12733133	26.60210617	24.05198616	30.11472325	22.55176048	0.00903759	0	0
yaQ	gi 49175990 ref NC_000913.2	+	3746600	3747262	14.29889687	17.11955918	11.01506538	12.4307202	19.95520577	0.091487957	0.12191073	0.0359921
yaR	gi 49175990 ref NC_000913.2	+	3747255	3748115	18.34835256	17.08051097	22.64110188	23.54321773	23.55515369	-0.382257918	0.517463242	0.2218965
yaS	gi 49175990 ref NC_000913.2	+	3748109	3748804	35.41289737	33.22372067	49.76906318	34.94204883	39.32546758	-0.24803048	0.435812646	0.1778877
yaT	gi 49175990 ref NC_000913.2	-	3749151	3749891	30.5238219	25.6032466	25.99292519	16.96287215	19.13556767	0.470464149	0.689276102	0.3091873
yaU	gi 49175990 ref NC_000913.2	+	3750015	3750989	140.457231	121.516699	120.2927542	160.1612829	159.1364756	-0.15545183	0.275132626	0.1029688
yaV	gi 49175990 ref NC_000913.2	-	3750986	3752122	53.94931138	45.53911123	56.73600732	45.02492302	53.8010513	-0.034099453	0.066008137	0.0154176
aldB	gi 49175990 ref NC_000913.2	-	3752996	3754534	317.5444369	300.1116088	1391.124568	1194.866787	609.9988508	-1.754656021	9.441667241	7.6830112
yaY	gi 49175990 ref NC_000913.2	-	3754699	3755850	12.68048512	11.37993701	17.46076229	20.15620126	20.16629524	-0.666488742	1.052275385	0.5260812
selB	gi 49175990 ref NC_000913.2	-	3756040	3757884	1311.544207	1186.263312	1897.109754	1439.71571	1301.576953	-0.275978663	0.715366411	0.3189698
selA	gi 49175990 ref NC_000913.2	-	3757881	3759272	706.8767399	669.5879521	1247.079754	963.2024304	856.2527055	-0.545897008	1.845525416	1.08414
yibF	gi 49175990 ref NC_000913.2	-	3759370	3759978	300.6831178	327.7189525	325.4611622	289.1913356	223.6330483	0.169534467	0.334047001	0.1317706
rhsA	gi 49175990 ref NC_000913.2	+	3760206	3764339	291.2980255	309.6612932	321.4649252	314.1125606	396.7713964	-0.208695861	0.410601131	0.1674779
yibA	gi 49175990 ref NC_000913.2	+	3764360	3765202	45.47895546	43.67595862	66.01539752	78.06021885	37.52345505	-0.429965447	0.835889639	0.3906254
yibH	gi 49175990 ref NC_000913.2	-	3768266	3769402	78.45079292	92.18392678	42.94819528	42.79382995	63.57329522	0.748580834	2.45763289	1.3768778
yibI	gi 49175990 ref NC_000913.2	-	3769405	3769767	23.78978994	26.61331253	23.16433981	16.82047066	10.34550689	0.593217079	0.941729637	0.4572965
mtIA	gi 49175990 ref NC_000913.2	+	3770304	3772217	1016.936495	1079.960356	1419.700741	1047.421094	1092.757936	-0.171929651	0.364603081	0.144032
mtID	gi 49175990 ref NC_000913.2	+	3772447	3773595	1391.842911	1438.976533	1882.822204	1444.25821	1458.459743	-0.16320501	0.333784495	0.1317706
mtIR	gi 49175990 ref NC_000913.2	+	3773595	3774182	626.4757024	641.1294497	893.7952783	865.446711	741.7211199	-0.393041919	1.170554497	0.6024274
yibT	gi 49175990 ref NC_000913.2	-	3774194	3774403	422.3782838	389.3822487	493.8274079	432.6993992	330.2394808	-0.020829148	0.067545639	0.0160372
yibL	gi 49175990 ref NC_000913.2	+	3774688	3775050	331.3743907	387.5895811	281.3468716	380.0601527	468.3553105	-0.107579672	0.098315211	0.0262976
lidP	gi 49175990 ref NC_000913.2	+	3775422	3777077	191.2747173	184.2438487	268.9773678	212.217826	274.647119	-0.413886488	1.143730107	0.5853541
lidR	gi 49175990 ref NC_000913.2	+	3777077	3777853	143.1830893	144.3703479	154.7919594	110.2724031	160.1714258	0.026197024	0.032022493	0.0030156
lidL	gi 49175990 ref NC_000913.2	+	3777850	3779040	355.0278526	310.525765	307.3427415	242.4656506	299.3913112	0.25813568	0.524615654	0.2249696
trmL	gi 49175990 ref NC_000913.2	+	3779238	3779711	325.8105808	302.0027633	341.9232053	285.0032467	331.9609424	-0.010328225	0.035294012	0.0036811
cysE	gi 49175990 ref NC_000913.2	-	3779764	3780585	1477.906874	1423.745806	1995.273496	1885.85048	1968.631016	-0.419320409	1.180352585	0.6098523
gpsA	gi 49175990 ref NC_000913.2	-	3780665	3781684	3005.646756	2829.455904	4511.473217	3739.201194	3885.78908	-0.453801583	1.40928662	0.7651708
secB	gi 49175990 ref NC_000913.2	-	3781684	3782151	3710.176699	3798.304356	5589.984085	5567.795845	6979.066344	-0.696596319	2.427308345	1.5416698
grxC	gi 49175990 ref NC_000913.2	-	3782214	3782465	1208.230133	1246.163546	1380.472027	1528.156588	1729.444459	-0.345830898	0.85152586	0.3990682
yibN	gi 49175990 ref NC_000913.2	-	3782607	3783038	997.69855	1159.788048	1116.251268	1097.811328	1401.793656	-0.187274403	0.319959192	0.1244053
gpmM	gi 49175990 ref NC_000913.2	+	3783283	3784827	7064.898052	6623.951656	14143.54471	11993.03694	12249.44633	-0.885006952	3.822276085	2.707906
envC	gi 49175990 ref NC_000913.2	+	3784861	3786120	1176.847439	1156.858363	1189.178278	1228.86524	1404.182371	-0.129452156	0.244446669	0.0890723
yibQ	gi 49175990 ref NC_000913.2	+	3786124	3787083	592.6238288	567.9636658	549.4964175	541.6293475	616.7765554	0.031023583	0.04794268	0.0078702
yibD	gi 49175990 ref NC_000913.2	-	3787070	3788104	60.02760498	56.96848423	61.0145593	52.87485909	67.15045996	-0.037226474	0.044671966	0.0063499
tdh	gi 49175990 ref NC_000913.2	-	3788343	3789368	2646.376055	2657.571087	3120.602991	2607.81131	2161.994296	0.025903802	0.021376548	0.0001819
kbl	gi 49175990 ref NC_000913.2	-	3789378	3790574	2429.671769	2205.412378	3509.732215	2458.845476	1982.674888	-0.154274172	0.341473124	0.1341942
yibB	gi 49175990 ref NC_000913.2	-	3790849	3791706	227.0557809	285.9898607	172.879344	331.2813789	273.601998	0.070717172	0.011798912	0
rfaD	gi 49175990 ref NC_000913.2	+	3792010	3792942	1465.768888	1473.156208	1587.954065	1646.822361	1409.112489	-0.07378431	0.125805809	0.037291
rfaF	gi 49175990 ref NC_000913.2	+	3792952	3793998	1069.236642	1159.754734	1269.038599	1223.02638	950.5002531	-0.045592167	0.065904225	0.0154176
rfaC	gi 49175990 ref NC_000913.2	+	3794002	3794961	642.4911913	612.6023743	596.947666	698.0504386	464.8513077	0.105343313	0.175714881	0.055256
rfaL	gi 49175990 ref NC_000913.2	+	3794971	3796230	216.554038	206.084217	157.2320105	340.1754356	280.2789553	-0.31677997	0.542139404	0.2323211
waaU	gi 49175990 ref NC_000913.2	-	3796262	3797335	104.851318	126.391656	87.66639671	179.7395294	114.6083568	-0.184609574	0.202372108	0.0676929
rfaZ	gi 49175990 ref NC_000913.2	-	3797368	3798219	89.52510094	91.18407257	88.24690802	86.13022587	54.2724986	0.253534967	0.458120044	0.1917807
rfaY	gi 49175990 ref NC_000913.2	-	3798290	3798988	114.8086956	114.9232947	71.35663639	125.0099746	85.41370918	0.274007357	0.581856547	0.2556955

rfaJ	gi 49175990 ref NC_000913.2	-	3799006	3800022	93.9345533	95.93419183	45.44121459	129.0339171	65.35571053	0.216036273	0.362640646	0.1431584
rfaI	gi 49175990 ref NC_000913.2	-	3800062	3801081	162.8352352	197.6369184	123.7647506	176.5400022	100.2773088	0.401611607	1.029458554	0.5154106
rfaB	gi 49175990 ref NC_000913.2	-	3801081	3802160	229.6382104	230.802146	134.4925873	275.1951286	225.3530002	0.094091401	0.192535166	0.062551
rfaS	gi 49175990 ref NC_000913.2	-	3802204	3803139	63.66804166	64.58736807	44.04281593	96.01015948	87.27381425	-0.269483231	0.363677341	0.1434578
rfaP	gi 49175990 ref NC_000913.2	-	3803176	3803973	180.133022	199.4986722	153.6625875	238.3617875	191.856967	-0.064690651	0.043327643	0.0060195
rfaG	gi 49175990 ref NC_000913.2	-	3803966	3805090	354.440785	371.393077	236.3029229	455.4155541	279.6048606	0.138097502	0.290376376	0.1115039
rfaQ	gi 49175990 ref NC_000913.2	-	3805087	3806121	485.2501274	580.4139738	292.5102662	626.989054	445.3866284	0.175767303	0.427403836	0.1750431
waaA	gi 49175990 ref NC_000913.2	+	3806563	3807840	838.6455059	820.6229494	769.7229769	770.3074894	846.7725331	0.061092102	0.114430683	0.032275
coaD	gi 49175990 ref NC_000913.2	+	3807848	3808327	249.5929209	270.7273517	242.5938931	216.5315148	240.0000104	0.150856869	0.318377864	0.1240538
mutM	gi 49175990 ref NC_000913.2	-	3808366	3809175	195.7619174	184.2343272	160.3278666	158.0325007	141.4907173	0.321161715	0.737991973	0.3324689
rpmG	gi 49175990 ref NC_000913.2	-	3809273	3809440	3124.922263	3500.107449	2626.510658	2665.275383	3941.09866	0.078307846	0.188818498	0.0611353
rpmB	gi 49175990 ref NC_000913.2	-	3809461	3809697	10341.05666	11582.05592	7153.327197	7557.882711	10576.21548	0.350706254	0.941161852	0.4572842
yicR	gi 49175990 ref NC_000913.2	-	3809914	3810582	1244.298454	1497.938546	1610.197077	1758.105545	2251.968013	-0.487899153	1.203404652	0.622874
dfp	gi 49175990 ref NC_000913.2	+	3810754	3811974	744.0181094	871.0479057	719.2555868	671.7706942	819.7401833	0.107709375	0.271607348	0.1008814
dut	gi 49175990 ref NC_000913.2	+	3811955	3812410	776.7021748	783.5946134	634.6679546	653.7503913	778.1969854	0.172323085	0.404148782	0.1640067
slmA	gi 49175990 ref NC_000913.2	+	3812517	3813113	401.9421729	398.9133017	229.3195413	264.7683275	0.460174951	1.363420971	0.738899	
pyrE	gi 49175990 ref NC_000913.2	-	3813150	3813791	32.7555493	47.58564943	27.63466693	41.54281403	60.08237546	-0.163556259	0.104162416	0.0277229
rph	gi 49175990 ref NC_000913.2	-	3813886	3814572	989.5611278	939.3351163	643.9934469	637.0293339	830.799318	0.455195467	1.461044054	0.7982741
yicC	gi 49175990 ref NC_000913.2	+	3814699	3815562	1136.401946	1136.920662	1131.691219	1080.884014	1165.411071	0.013979749	0.025380516	0.0007012
dinD	gi 49175990 ref NC_000913.2	+	3815783	3816607	181.6866293	182.361107	159.5795191	356.5900076	198.8860464	-0.413384638	0.74831748	0.3398002
yicG	gi 49175990 ref NC_000913.2	+	3816897	3817514	556.4664245	564.1903089	503.7004143	386.0444675	507.9549461	0.270503567	0.65193937	0.2917747
ligB	gi 49175990 ref NC_000913.2	-	3817511	3819193	132.7132695	152.9717483	157.3574073	136.8529095	131.3864711	-0.000679961	0.012189055	0
gmk	gi 49175990 ref NC_000913.2	+	3819451	3820074	1556.63381	1877.864723	1327.329879	1505.645638	1566.912996	0.193109841	0.504329005	0.2147686
rhoZ	gi 49175990 ref NC_000913.2	+	3820129	3820404	1018.963071	1040.999604	738.1302245	705.4641622	948.5562919	0.360572904	1.02184717	0.5109224
spoT	gi 49175990 ref NC_000913.2	+	3820423	3822531	2878.555097	2914.974116	2198.696899	2237.8824	2481.106365	0.323705438	0.845748597	0.3966027
trmH	gi 49175990 ref NC_000913.2	+	3822538	3823227	771.0483548	772.1934261	668.9814403	732.0231333	706.6895856	0.131448464	0.289462695	0.1110664
recG	gi 49175990 ref NC_000913.2	+	3823233	3825314	763.8627163	683.8091221	735.0628845	705.310805	776.1354634	-0.014311328	0.046153288	0.0071319
gltS	gi 49175990 ref NC_000913.2	-	3825483	3826688	503.9298615	536.6684106	620.3374183	598.5665401	474.8454038	-0.119120373	0.216326043	0.0749067
xanP	gi 49175990 ref NC_000913.2	+	3826968	3828359	524.5276368	494.8211511	1038.987199	1217.751297	362.3448121	-0.753723461	1.778232836	1.0381366
yicH	gi 49175990 ref NC_000913.2	+	3828480	3830189	982.0372882	919.3826234	751.2857583	886.5728563	748.3393452	0.262450096	0.651025201	0.2917747
yicI	gi 49175990 ref NC_000913.2	-	3830242	3832560	168.590468	160.4941878	185.437588	177.1197909	160.5679714	-0.072432688	0.131418106	0.0394194
yicJ	gi 49175990 ref NC_000913.2	-	3832570	3833952	30.86328532	31.34287704	32.04969199	35.83597834	34.76725928	-0.140997529	0.150629632	0.0460009
setC	gi 49175990 ref NC_000913.2	+	3834976	3836160	31.477437	32.29511927	17.88411632	28.99984434	26.85246924	0.357781563	0.581489925	0.2555548
yicL	gi 49175990 ref NC_000913.2	+	3836271	3837194	349.1139905	398.9769993	305.1584302	307.1839939	300.6600753	0.279216854	0.773675482	0.353532
nlpA	gi 49175990 ref NC_000913.2	-	3837198	3838016	162.5160645	154.7946788	127.7836982	154.7520804	134.6760639	0.193921761	0.386965128	0.1543669
yicS	gi 49175990 ref NC_000913.2	+	3838238	3838531	85.76609964	86.43122363	54.38983995	108.2162879	80.78767443	0.063093486	0.118206733	0.0338554
nepI	gi 49175990 ref NC_000913.2	-	3838572	3839762	442.2283105	452.1162126	228.4718667	292.169191	197.7781725	0.894308452	4.099349767	2.9458014
yicN	gi 49175990 ref NC_000913.2	-	3839973	3840425	211.0827877	230.8380161	234.6194545	219.7981244	219.9129548	-0.033368076	0.029773394	0.0018086
yicO	gi 49175990 ref NC_000913.2	-	3840478	3841812	34.69617691	22.70381426	21.32806798	14.83883384	29.98042207	0.420428162	0.529221829	0.2272311
ade	gi 49175990 ref NC_000913.2	+	3841987	3843753	336.1850459	347.6417694	311.8332971	329.5170503	298.4899394	0.121306918	0.251797866	0.0917711
uhpT	gi 49175990 ref NC_000913.2	-	3843799	3845190	720.4044065	757.018999	537.9949311	417.3643049	493.5243618	0.614674477	2.276475601	1.4155241
uhpC	gi 49175990 ref NC_000913.2	-	3845328	3846647	110.3764961	87.29623673	86.66458452	87.59421065	111.8885087	0.074373344	0.07823207	0.0192386
uhpB	gi 49175990 ref NC_000913.2	-	3846657	3848159	205.7997797	197.5395947	134.0262651	121.2636044	146.7807618	0.594930066	1.9209533	1.1409856
uhpA	gi 49175990 ref NC_000913.2	-	3848159	3848749	250.1446972	278.3370804	231.5490159	159.6415768	228.627068	0.349143621	0.867130994	0.4101162
ilvN	gi 49175990 ref NC_000913.2	-	3848825	3849115	70.3152739	80.77640844	42.20478589	34.87818534	39.25474842	0.949579295	3.654229186	2.5693596
ilvB	gi 49175990 ref NC_000913.2	-	3849119	3850807	482.0780293	478.6976867	303.5381287	255.8558609	303.8817502	0.744325134	3.197884296	2.1724452
ivbL	gi 49175990 ref NC_000913.2	-	3850913	3851011	1581.729118	1656.489682	3298.068356	6085.452525	7928.619489	-1.873220344	8.995563222	7.2271395
tisB	gi 49175990 ref NC_000913.2	+	3851576	3851665	1282.198706	1269.889498	638.9840369	441.1454054	683.8957316	1.125705025	5.982801547	4.5903711
emrD	gi 49175990 ref NC_000913.2	+	3851945	3853129	656.2155053	655.365282	530.3054358	492.209014	465.6626023	0.408141736	1.275496464	0.6779974
yidF	gi 49175990 ref NC_000913.2	-	3853137	3853634	191.2590586	185.1957963	274.9747652	272.5825721	327.296712	-0.631035357	2.167746235	1.3280853
yidG	gi 49175990 ref NC_000913.2	-	3853631	3853993	99.64042116	100.6794876	158.4778317	93.61137766	161.2166565	-0.450048021	1.094780179	0.5552731
yidH	gi 49175990 ref NC_000913.2	-	3853983	3854330	83.86006705	109.3207242	110.5696836	80.92772054	85.38116433	0.045949689	0.091978606	0.023893
yidI	gi 49175990 ref NC_000913.2	+	3854438	3854887	94.60935929	94.97824483	95.93383317	110.9047831	107.6514625	-0.150789159	0.258298421	0.0943277
yidJ	gi 49175990 ref NC_000913.2	-	3854934	3856427	59.81065639	62.69789701	76.68490704	57.1386892	83.87090215	-0.22462324	0.376990172	0.1485519
yidK	gi 49175990 ref NC_000913.2	-	3856424	3858139	29.53184996	31.35295522	34.35197328	32.51848361	30.36174465	-0.091365363	0.078069144	0.0192386
yidL	gi 49175990 ref NC_000913.2	+	3858306	3859199	23.66193988	17.99410658	11.34379904	20.1370992	24.45195413	0.165570297	0.158681382	0.0492779
yidP	gi 49175990 ref NC_000913.2	+	3861922	3862638	12.65191718	21.9318355	17.39142821	17.97004848	20.1351829	-0.150353906	0.070032155	0.0170551

yidE	gi 49175990 ref NC_000913.2	-	3862635	3864296	586.8219375	583.1773149	900.7864496	947.2252866	816.8127366	-0.600476462	2.278318584	1.4155241
ibpB	gi 49175990 ref NC_000913.2	-	3864492	3864920	101.311317	87.32639815	48.07057645	50.50712439	58.18685364	0.864775583	3.20598405	2.1758532
ibpA	gi 49175990 ref NC_000913.2	-	3865032	3865445	199.6214902	226.103724	145.0650534	145.9082377	184.7766137	0.401896185	1.161252047	0.595457
yidQ	gi 49175990 ref NC_000913.2	+	3865751	3866083	676.2905396	699.0726952	997.8035484	977.7225433	1057.699257	-0.561646502	1.941393441	1.1562555
yidR	gi 49175990 ref NC_000913.2	-	3866085	3867332	705.259541	629.6688919	776.259541	760.2280219	831.094101	-0.226998655	0.587807654	0.2587763
cbrA	gi 49175990 ref NC_000913.2	+	3867400	3868464	36.28601452	29.39141695	25.9563023	43.46903562	35.88588513	-0.088197186	0.078428464	0.0192386
dgoT	gi 49175990 ref NC_000913.2	-	3868461	3869753	42.47337749	52.29448503	43.46473253	34.88918049	39.26691976	0.256552541	0.462442422	0.1939831
dgoD	gi 49175990 ref NC_000913.2	-	3869873	3871021	67.07816903	60.75274988	66.20282488	71.5769788	52.96579603	0.022416729	0.000766441	0
dgoA	gi 49175990 ref NC_000913.2	-	3871018	3871635	36.49618737	37.9982057	44.66252917	37.05880168	34.89813341	-0.055880925	0.058242785	0.0110921
dgoK	gi 49175990 ref NC_000913.2	-	3871619	3872497	103.0083088	95.90106861	87.88703053	69.53832152	54.18448046	0.520160386	1.28436234	0.6834737
dgoR	gi 49175990 ref NC_000913.2	-	3872494	3873183	132.8970438	143.4472427	95.024156	86.30805331	73.137158	0.701719036	2.550877152	1.6425307
yidX	gi 49175990 ref NC_000913.2	+	3873461	3874117	115.800298	161.596209	110.814559	134.475258	142.2860689	0.04929354	0.173977577	0.0547987
yidA	gi 49175990 ref NC_000913.2	-	3874163	3874975	927.9212001	831.9800485	1169.543745	975.5817131	1030.943182	-0.243176113	0.638070614	0.2848739
yidB	gi 49175990 ref NC_000913.2	-	3875090	3875488	102.7549609	105.4342165	69.91118264	62.79646026	56.24678364	0.728244289	2.566452392	1.655508
gyrB	gi 49175990 ref NC_000913.2	-	3875728	3878142	3698.529512	3441.128986	3572.439915	3330.932672	3101.766958	0.114107529	0.187136904	0.0606671
recF	gi 49175990 ref NC_000913.2	-	3878171	3879244	667.3796104	705.372041	713.7982438	688.4693999	736.9137775	-0.062409044	0.092848293	0.0243883
dnaN	gi 49175990 ref NC_000913.2	-	3879244	3880344	1582.562624	1564.330187	1472.812436	1428.460457	1606.171909	0.066759654	0.119354708	0.034732
dnaA	gi 49175990 ref NC_000913.2	-	3880349	3881752	2205.462621	2119.00659	1979.487698	1995.623963	1952.976253	0.135823637	0.249978479	0.091054
rpmH	gi 49175990 ref NC_000913.2	+	3882359	3882499	8757.826561	8325.071092	5806.190348	4462.79247	8406.538253	0.458525434	1.116753374	0.5675368
mpA	gi 49175990 ref NC_000913.2	+	3882516	3882875	2114.425083	2133.277243	1351.465006	1441.983256	1907.560175	0.42680543	1.196595883	0.6184937
yidD	gi 49175990 ref NC_000913.2	+	3882839	3883096	1903.770141	1867.3164	1312.652249	1262.680119	1710.185463	0.397029288	1.091665208	0.5533468
yidC	gi 49175990 ref NC_000913.2	+	3883099	3884745	8151.963503	7969.85511	6002.569335	5615.001684	7769.769638	0.316626214	0.753219434	0.3422369
mnmE	gi 49175990 ref NC_000913.2	+	3884851	3886215	769.9099939	726.5747807	580.8590487	589.5951261	496.0489058	0.441452645	1.347890037	0.7292017
tnaC	gi 49175990 ref NC_000913.2	+	3886458	3886532	681.9266434	641.0907835	2695.828815	4413.209149	3030.052449	-2.361071486	16.80895241	14.375129
tnaA	gi 49175990 ref NC_000913.2	+	3886753	3888168	5729.962275	4994.039955	21635.38617	26825.75022	8958.160004	-1.805822924	7.295114324	5.7533858
tnaB	gi 49175990 ref NC_000913.2	+	3888259	3889506	858.8882539	828.2145926	3378.216545	3825.734817	1597.197539	-1.781130624	8.323702118	6.6869156
mdtL	gi 49175990 ref NC_000913.2	+	3889638	3890813	232.7894453	190.8264016	237.7698423	280.0443769	231.2368463	-0.214262221	0.497062422	0.2110186
yidZ	gi 49175990 ref NC_000913.2	+	3890788	3891747	278.3972399	264.9719289	327.7755949	334.0885699	292.804794	-0.27608272	0.69306584	0.3103556
yieE	gi 49175990 ref NC_000913.2	+	3891904	3892653	1597.002439	1611.83075	2418.964782	2721.990344	2510.487614	-0.674011793	2.36830812	1.4947902
yieF	gi 49175990 ref NC_000913.2	+	3892675	3893241	680.921055	796.9621703	1197.655991	1193.887082	982.9317929	-0.623522981	2.132068419	1.3010285
purP	gi 49175990 ref NC_000913.2	-	3893295	3894632	1007.16955	972.5865466	1024.251595	1247.328969	798.0450306	-0.042742935	0.071736762	0.0170551
yieH	gi 49175990 ref NC_000913.2	+	3894797	3895462	134.1106741	147.2533766	126.8618233	184.5835264	143.692361	-0.132286811	0.172569192	0.0542966
cbrB	gi 49175990 ref NC_000913.2	+	3895529	3895996	30.88713797	44.73258214	42.29360423	45.79849979	31.65209558	-0.114034057	0.096832603	0.0259943
cbrC	gi 49175990 ref NC_000913.2	+	3896045	3896632	101.9192431	113.0618209	119.1437607	105.5005283	112.1839817	-0.071281184	0.09130828	0.023835
yieK	gi 49175990 ref NC_000913.2	+	3896694	3897416	52.67819552	44.59050111	60.28835299	53.1486395	35.14216277	0.000558972	0.023850726	0.0005477
yieL	gi 49175990 ref NC_000913.2	-	3897431	3898600	23.4320673	33.31741836	35.50794277	25.97527586	33.59652438	-0.18751325	0.204084289	0.0682219
bgIH	gi 49175990 ref NC_000913.2	-	3898627	3900243	24.96659026	29.47552306	21.64239581	30.12785775	25.8143345	0.049150065	0.071846358	0.0170551
bgIB	gi 49175990 ref NC_000913.2	-	3900312	3901724	33.42740102	21.7548931	19.05289505	24.64974963	27.90416923	0.241165649	0.269863145	0.0999127
bgIF	gi 49175990 ref NC_000913.2	-	3901743	3903620	1063.021207	1121.74907	1010.736552	1342.933283	1343.637487	-0.195522852	0.35293654	0.1402157
bgIG	gi 49175990 ref NC_000913.2	-	3903754	3904590	10.30428115	16.20413742	11.2890935	17.95171322	24.41573062	-0.489017009	0.47923502	0.2015743
phoU	gi 49175990 ref NC_000913.2	-	3904876	3905601	547.7039244	451.0694635	369.795323	311.8954106	357.7731051	0.559228708	1.808602401	1.0576473
pstB	gi 49175990 ref NC_000913.2	-	3905616	3906389	460.4004512	404.5578321	370.4998925	384.6045195	421.6192293	0.154721632	0.288537081	0.110308
pstA	gi 49175990 ref NC_000913.2	-	3905572	3907462	236.0985678	226.0325271	203.6494944	176.0714727	160.6227047	0.374637745	0.913934442	0.4415479
pstC	gi 49175990 ref NC_000913.2	-	3907462	3908421	266.6041335	238.3509624	231.9234356	207.5376865	222.0985167	0.214230461	0.419076738	0.1714563
pstS	gi 49175990 ref NC_000913.2	-	3908508	3909548	476.1533547	509.125616	295.8467926	279.2765276	306.1546902	0.736963332	3.271442865	2.2320714
glmS	gi 49175990 ref NC_000913.2	-	3909862	3911691	5389.008398	4980.770524	3825.899611	3412.894287	3563.783353	0.542228055	1.753674643	1.0202756
glmU	gi 49175990 ref NC_000913.2	-	3911853	3913223	5213.994511	5131.820912	4117.612225	3554.177929	3679.362324	0.460380676	1.368969699	0.7413265
atpC	gi 49175990 ref NC_000913.2	-	3913576	3913995	3802.143607	4071.872167	2819.329502	2777.124804	2881.69868	0.468180716	1.569887249	0.8790509
atpD	gi 49175990 ref NC_000913.2	-	3914016	3915398	10082.90747	9646.262305	7909.153583	6594.727718	6613.895355	0.502947821	1.457948035	0.7974161
atpG	gi 49175990 ref NC_000913.2	-	3915425	3916288	3821.869518	3906.582142	3179.531744	2460.135025	3016.245805	0.426273435	1.239481201	0.6490985
atpA	gi 49175990 ref NC_000913.2	-	3916339	3917880	8692.021299	8688.873414	7755.729906	6509.64631	7884.51665	0.239197828	0.51358703	0.2206907
atpH	gi 49175990 ref NC_000913.2	-	3917893	3918426	3186.523237	3191.363979	2878.637789	2322.228929	2947.724905	0.235974487	0.530824532	0.2277639
atpF	gi 49175990 ref NC_000913.2	-	3918441	3918911	5716.907369	5620.023556	4872.680603	4191.045462	4688.80452	0.313714208	0.764146579	0.3470783
atpE	gi 49175990 ref NC_000913.2	-	3918973	3919212	2685.799043	2962.506384	2706.518024	2470.08317	2910.720992	0.053238899	0.117857975	0.0336361
atpB	gi 49175990 ref NC_000913.2	-	3919259	3920074	5553.643832	6225.117959	5043.012534	4647.371167	5706.003047	0.180606603	0.418693786	0.1712619
atpI	gi 49175990 ref NC_000913.2	-	3920083	3920463	2524.875052	2800.091188	2061.048134	2046.342676	2767.949554	0.193532093	0.451280922	0.1869433
rsmG	gi 49175990 ref NC_000913.2	-	3921080	3921703	367.9967462	426.528303	285.4752183	290.4274931	312.855968	0.399981303	1.293136016	0.6901153

mmnG	gi 49175990 ref NC_000913.2	-	3921767	3923656	2218.829146	2063.902073	1812.513697	1523.664787	1274.682396	0.50277651	1.373997156	0.7445406
mioC	gi 49175990 ref NC_000913.2	-	3924035	3924478	1247.845263	1339.264231	1030.749482	965.4095776	1026.353871	0.35218687	1.055853507	0.5279327
asnC	gi 49175990 ref NC_000913.2	-	3924568	3925026	134.849099	142.4890644	102.9222721	133.269206	131.127216	0.161632578	0.352788551	0.1402157
asnA	gi 49175990 ref NC_000913.2	+	3925178	3926170	373.9072362	332.3781172	339.4323039	254.6020724	206.852162	0.439716406	1.043087478	0.5210963
viaA	gi 49175990 ref NC_000913.2	-	3926175	3927626	972.9348937	984.0061049	121.60151	1083.006637	894.3957155	-0.118438366	0.238998819	0.0858143
ravA	gi 49175990 ref NC_000913.2	-	3927620	3929116	1150.959381	1136.91462	1797.330308	1766.824855	1500.02182	-0.554518615	1.822070748	1.0659315
kup	gi 49175990 ref NC_000913.2	+	3929339	3931207	616.3095159	643.9885809	681.2724671	590.927994	563.2945208	0.045062646	0.075606258	0.0183319
rbsD	gi 49175990 ref NC_000913.2	+	3931374	3931793	497.1739263	414.9829919	804.962154	656.9094019	432.5358757	-0.423354683	1.2283991	0.6417371
rbsA	gi 49175990 ref NC_000913.2	+	3931801	3933306	631.9060204	696.2531997	966.323496	856.5355014	714.8956337	-0.35189536	0.935612574	0.4547432
rbsC	gi 49175990 ref NC_000913.2	+	3933311	3934276	1676.849867	1536.749733	2243.99628	1910.52168	1788.276614	-0.279123727	0.689976969	0.3092004
rbsB	gi 49175990 ref NC_000913.2	+	3934301	3935191	9518.166308	10857.35863	12247.59427	12882.06649	15392.10713	-0.433367512	1.045317745	0.5211846
rbsK	gi 49175990 ref NC_000913.2	+	3935317	3936246	754.6453465	755.0963991	933.8704978	984.1840178	807.9058115	-0.265387044	0.661756291	0.2976012
rbsR	gi 49175990 ref NC_000913.2	+	3936250	3937242	391.0099526	413.188814	425.8048461	442.7362923	387.1686821	-0.064189952	0.097309011	0.0262976
hsrA	gi 49175990 ref NC_000913.2	-	3937208	3938635	653.6097336	668.6738582	821.2340171	870.9872939	757.3426075	-0.307223179	0.808364025	0.3721476
yieP	gi 49175990 ref NC_000913.2	-	3938658	3939350	1088.651758	1026.714679	1469.158192	1866.294987	1419.241519	-0.580748617	1.932615092	1.1491129
hdrR	gi 49175990 ref NC_000913.2	-	3945151	3945990	413.6701712	444.5404046	350.1357572	406.569636	267.4239734	0.321764803	0.818244318	0.0768885
yifE	gi 49175990 ref NC_000913.2	+	3946109	3946447	299.839249	2927.303761	1575.993335	1754.824935	2507.508008	0.59560849	1.919985868	1.1406601
yifB	gi 49175990 ref NC_000913.2	-	3946472	3947992	251.1851715	245.0365895	180.2167765	222.0490689	281.0791977	0.111658883	0.219592628	0.0761009
ilvL	gi 49175990 ref NC_000913.2	+	3948345	3948443	1199.116506	935.4459139	1224.374588	2395.621469	2818.165191	-1.005824612	3.19886858	2.1724452
ilvX	gi 49175990 ref NC_000913.2	+	3948530	3948590	77.57267956	77.88156375	33.86080532	20.40874819	26.93235056	1.532594523	7.332286304	5.7792767
ilvM	gi 49175990 ref NC_000913.2	+	3950224	3950487	71.2230601	55.00636466	41.08971486	44.72183591	34.93594291	0.679640103	1.798320903	1.0521671
ilvE	gi 49175990 ref NC_000913.2	+	3950507	3951436	351.0395399	326.6993764	322.7973841	286.9445405	220.2752669	0.314714646	0.695007185	0.3103556
ilvD	gi 49175990 ref NC_000913.2	+	3951501	3953351	386.229232	376.1093541	380.5672343	301.5882346	219.2827646	0.366562091	0.816895222	0.3785126
ilvA	gi 49175990 ref NC_000913.2	+	3953354	3954898	322.7596126	289.6413575	349.2025123	277.0506096	256.028276	0.086943338	0.101095715	0.0266333
ilvY	gi 49175990 ref NC_000913.2	-	3954950	3955843	222.0927155	221.3003731	300.0431319	266.6968822	181.1369158	-0.153685984	0.300329311	0.11561
ilvC	gi 49175990 ref NC_000913.2	+	3955993	3957468	872.0028085	874.7738946	314.2115911	252.9658817	602.2469146	1.148740027	4.628556539	3.406032
ppiC	gi 49175990 ref NC_000913.2	-	3957555	3957836	457.6102608	527.2066216	435.0808472	381.4247849	464.2155369	0.187506678	0.463157803	0.1939831
rep	gi 49175990 ref NC_000913.2	+	3958700	3960721	792.01927	759.8258211	581.8104836	485.6283943	508.2261302	0.577034583	2.056582627	1.2422391
gpp	gi 49175990 ref NC_000913.2	-	3960768	3962252	1916.231328	1966.118484	1740.856001	1811.750134	1814.942376	0.111849111	0.221940734	0.0773895
rhlB	gi 49175990 ref NC_000913.2	-	3962388	3963653	3299.339433	3430.734787	3086.047199	3180.648259	3082.56079	0.104322291	0.217783287	0.075455
trxA	gi 49175990 ref NC_000913.2	+	3963784	3964113	4014.471414	4712.090514	3433.861672	3483.475311	3856.356373	0.2541932	0.686438686	0.3077389
rho	gi 49175990 ref NC_000913.2	+	3964440	3965699	8199.277034	8042.042371	5574.277674	6319.880299	6902.917637	0.368338481	0.985099408	0.4817951
rfe	gi 49175990 ref NC_000913.2	+	3965939	3967042	1394.587151	1624.247578	1407.773629	1322.009495	1557.887783	0.055622439	0.142996827	0.0427363
wzzE	gi 49175990 ref NC_000913.2	+	3967054	3968100	1298.006235	1273.684338	1249.756458	1192.995374	1279.836048	0.054681034	0.093498453	0.024853
rfE	gi 49175990 ref NC_000913.2	+	3968156	3969286	800.0121011	815.8933078	826.7050944	649.2909942	602.6661522	0.233678872	0.515969637	0.2211855
rfD	gi 49175990 ref NC_000913.2	+	3969283	3970545	819.0308547	813.9815484	850.8840367	657.2531035	720.2309679	0.148607627	0.283057883	0.1073228
rfG	gi 49175990 ref NC_000913.2	+	3970545	3971612	657.0972892	609.7404829	719.6889574	582.0849315	621.5182075	0.002584126	0.023362648	0.0005477
rfH	gi 49175990 ref NC_000913.2	+	3971631	3972512	461.6013564	413.1141751	533.3862265	441.7218855	339.2426891	0.029346462	0	0
rfC	gi 49175990 ref NC_000913.2	+	3972490	3973164	283.0547	249.7428447	301.7501639	257.9305825	236.9129339	0.03180836	0.006905663	0
rfA	gi 49175990 ref NC_000913.2	+	3973169	3974299	372.0961019	391.3408912	363.4415182	274.8057448	235.9556468	0.400773174	1.041796312	0.5210803
wzxE	gi 49175990 ref NC_000913.2	+	3974301	3975551	688.9783259	698.1135564	582.4358443	507.7428791	339.3674579	0.556347858	1.720269471	0.9957163
rfT	gi 49175990 ref NC_000913.2	+	3975548	3976627	504.3925714	565.1864688	464.7832487	405.8434686	335.7533439	0.406946479	1.190235122	0.6164224
wzyE	gi 49175990 ref NC_000913.2	+	3976624	3977976	383.0055727	380.8677705	420.6143116	348.6562434	262.9732794	0.167994667	0.28407087	0.1074461
rfM	gi 49175990 ref NC_000913.2	+	3977979	3978719	223.0074426	248.8935716	241.7367117	185.1573905	178.5872874	0.224820487	0.471939522	0.1985574
yifK	gi 49175990 ref NC_000913.2	+	3978910	3980295	1152.216459	1139.764724	1057.737603	1116.666058	1169.864654	0.037527792	0.072635899	0.0174529
asiB	gi 49175990 ref NC_000913.2	+	3980981	3982216	261.4692128	240.2621461	170.5124229	195.0977988	221.8477726	0.359579169	0.916570599	0.4427423
asiA	gi 49175990 ref NC_000913.2	-	3982375	3984030	97.62195796	103.5466066	105.8260248	86.53619031	103.1285398	0.028341097	0.034903075	0.0036811
hemY	gi 49175990 ref NC_000913.2	-	3984709	3985905	1663.655216	1500.649443	1663.036827	1638.900921	1188.384536	0.103368284	0.138487744	0.0415146
hemX	gi 49175990 ref NC_000913.2	-	3985908	3987089	1413.802683	1266.042745	1496.654298	1300.447596	958.4859238	0.128960559	0.174036789	0.0547989
hemD	gi 49175990 ref NC_000913.2	-	3987111	3987851	925.9185953	856.6896504	1194.388148	1113.115293	776.7823193	-0.1824491	0.41364806	0.1691072
hemC	gi 49175990 ref NC_000913.2	-	3987848	3988789	1741.560562	1728.649594	2085.054445	1933.9543	1709.771666	-0.130001374	0.251593023	0.0917711
cyaA	gi 49175990 ref NC_000913.2	+	3989176	3991722	4516.507762	4741.479718	4460.035202	4278.238482	3786.078044	0.147276415	0.298665524	0.1150997
cyaY	gi 49175990 ref NC_000913.2	-	3991762	3992082	329.6243799	302.9488649	255.8912261	237.76926	247.9070559	0.369791945	0.967761786	0.4717454
yifL	gi 49175990 ref NC_000913.2	+	3992545	3992748	895.0924113	967.8910614	1138.900404	1019.114408	878.6219663	-0.121376065	0.223846434	0.077825
dapF	gi 49175990 ref NC_000913.2	+	3992785	3993609	1236.209784	1198.643566	1682.228572	1396.924547	1056.077206	-0.157606204	0.340212803	0.1335789
yigA	gi 49175990 ref NC_000913.2	+	3993606	3994313	1399.901502	1260.34639	1774.513921	1359.951097	933.9658693	0.011031802	0.03556365	0.0036811
xerC	gi 49175990 ref NC_000913.2	+	3994310	3995206	1107.715007	1005.80112	1246.757948	915.0164672	784.5434143	0.140274965	0.18886947	0.0611353

yigB	gi 49175990 ref NC_000913.2	+	3995206	3995922	509.8046296	511.9462257	531.303972	472.0151367	415.3117794	0.120318414	0.219357667	0.0760663
uvrD	gi 49175990 ref NC_000913.2	+	3996006	3998168	1782.530219	1792.293173	1643.195241	1454.191139	1376.553264	0.268416833	0.617508214	0.2745307
yigE	gi 49175990 ref NC_000913.2	-	3998315	3999079	63.299279	98.93174483	69.09692821	65.14919064	77.26293928	0.146470552	0.358204007	0.1416893
corA	gi 49175990 ref NC_000913.2	+	3999449	4000399	443.9188949	398.868891	463.7717766	422.6694447	374.8990307	0.025903879	0.00748473	0
yigF	gi 49175990 ref NC_000913.2	-	4000442	4000822	29.43119221	33.26743653	30.92619803	32.61907462	43.50799347	-0.205670475	0.26006276	0.0955969
rarD	gi 49175990 ref NC_000913.2	-	4001311	4002201	137.795024	156.7660753	137.5394302	113.4140843	125.6413872	0.220441929	0.501510926	0.213609
yigI	gi 49175990 ref NC_000913.2	-	4002253	4002720	57.02213121	67.48555541	31.2145466	54.51094845	34.93944606	0.596164209	1.559038173	0.8718492
pldA	gi 49175990 ref NC_000913.2	+	4002885	4003754	705.3953157	859.6692654	608.3368703	701.7967076	749.1210469	0.152162848	0.42155667	0.1726141
recQ	gi 49175990 ref NC_000913.2	+	4003887	4005716	974.9857738	942.1929304	801.8281753	831.9932704	971.1582307	0.141733713	0.293123191	0.1132795
rhtC	gi 49175990 ref NC_000913.2	+	4005780	4006400	366.7382159	424.6281817	519.3526447	502.0875794	362.7777717	-0.232578376	0.461690516	0.1936062
rhtB	gi 49175990 ref NC_000913.2	-	4006462	4007082	165.8312142	137.6460581	157.9810712	161.4416874	161.5256009	-0.055989074	0.126781101	0.0373086
pldB	gi 49175990 ref NC_000913.2	+	4007193	4008215	1170.887157	1248.078945	1373.638372	1560.522125	1515.422585	-0.309140951	0.7249102	0.3248854
yigL	gi 49175990 ref NC_000913.2	+	4008223	4009023	570.6757406	525.2037911	591.4530857	604.1472912	496.0772549	-0.02600341	0.066476377	0.0157502
yigM	gi 49175990 ref NC_000913.2	+	4009099	4009998	167.8315514	207.1426155	212.9696784	173.94455	181.8093855	-0.035031145	0.016385918	0
metR	gi 49175990 ref NC_000913.2	-	4009886	4010839	96.40019653	100.6914729	90.00790818	83.01764076	83.06073165	0.205679784	0.419952601	0.171766
metE	gi 49175990 ref NC_000913.2	+	4011076	4013337	389.2226503	328.5564895	485.7776938	477.234349	357.6186448	-0.143273726	0.30697705	0.1187544
ysgA	gi 49175990 ref NC_000913.2	-	4013377	4014192	417.9668916	384.6324382	516.8013862	544.5101649	237.1022045	-0.196307507	0.426225335	0.1746266
udp	gi 49175990 ref NC_000913.2	+	4014454	4015215	7810.379074	8102.857724	17325.87557	15130.90658	11685.58261	-0.878363486	3.412210596	2.3602507
rnuC	gi 49175990 ref NC_000913.2	+	4015356	4016783	1106.676043	1129.331585	1414.330212	1450.717498	1388.764279	-0.345904471	0.915194879	0.4423179
ubiE	gi 49175990 ref NC_000913.2	+	4016878	4017633	2093.380306	1882.472094	2969.618387	2583.132162	2215.763573	-0.354717561	0.967307833	0.4716707
yigP	gi 49175990 ref NC_000913.2	+	4017647	4018252	1308.962663	1203.367529	1633.002655	1622.239712	1476.358573	-0.313556313	0.847448592	0.3971622
ubiB	gi 49175990 ref NC_000913.2	+	4018249	4019889	2339.626814	2404.932436	2862.819239	2470.118449	2895.074426	-0.209820821	0.434948445	0.1776024
tatA	gi 49175990 ref NC_000913.2	+	4019968	4020237	2497.257576	2655.699281	2848.760597	2595.747542	3470.251812	-0.217896352	0.430156784	0.1762871
tatB	gi 49175990 ref NC_000913.2	+	4020241	4020756	1650.80251	1589.962714	1620.957019	1412.84026	1588.313569	0.082215071	0.130893877	0.0292301
tatC	gi 49175990 ref NC_000913.2	+	4020759	4021535	1545.288321	1547.239724	1421.079513	1366.818586	1568.007298	0.088993922	0.167997371	0.052933
tatD	gi 49175990 ref NC_000913.2	+	4021577	4022359	564.4533336	506.1959508	532.7453167	440.8042363	473.4216815	0.17359976	0.316056265	0.1236733
rfaH	gi 49175990 ref NC_000913.2	-	4022356	4022844	451.0235177	566.1891725	327.1000881	338.7920264	454.9530259	0.403592624	1.281299892	0.6812611
ubiD	gi 49175990 ref NC_000913.2	+	4023011	4024504	2455.78429	2486.608961	3290.758806	2843.276158	2561.195837	-0.221254351	0.482091056	0.2027933
fre	gi 49175990 ref NC_000913.2	+	4024550	4025251	697.2736485	687.6530209	931.6203555	831.7861156	614.0853456	-0.179162556	0.403498642	0.1637518
fadA	gi 49175990 ref NC_000913.2	-	4025632	4026795	98.91784214	103.541801	95.67612969	107.4836077	92.09955067	0.033442275	0.067123055	0.0160372
fadB	gi 49175990 ref NC_000913.2	-	4026805	4028994	81.97986888	82.63200461	80.06309153	105.0983912	82.02546335	-0.120884535	0.182301398	0.0582503
pedP	gi 49175990 ref NC_000913.2	+	4029184	4030515	2960.089828	2885.511545	4330.463004	3682.915762	2790.26907	-0.281577182	0.680443655	0.304768
yigZ	gi 49175990 ref NC_000913.2	+	4030515	4031129	896.363172	805.3863591	1130.735395	1078.311012	721.850354	-0.172069509	0.387350569	0.1543669
trkH	gi 49175990 ref NC_000913.2	+	4031168	4032619	1313.76141	1296.482514	1229.887843	1282.495859	1170.085465	0.090541985	0.169341845	0.0533084
hemG	gi 49175990 ref NC_000913.2	+	4032631	4033176	446.2083212	430.2440443	362.1876742	366.5850774	351.1649131	0.289344185	0.724999616	0.3248854
mobB	gi 49175990 ref NC_000913.2	-	4038929	4039456	67.87983072	56.93057083	51.47738212	48.19819262	42.75967849	0.420045952	0.887903351	0.4234961
mobA	gi 49175990 ref NC_000913.2	-	4039438	4040022	162.0628864	166.2230086	145.7829658	156.7544104	119.1863825	0.222988343	0.462431415	0.1939831
yihD	gi 49175990 ref NC_000913.2	+	4040092	4040361	572.0470988	744.7726949	540.6968408	586.4657799	713.0623695	0.055613355	0.189533692	0.0611353
rdoA	gi 49175990 ref NC_000913.2	+	4040438	4041424	1103.365434	1177.793511	832.9609762	1053.806872	1168.513148	0.140129945	0.335844504	0.1322937
dsbA	gi 49175990 ref NC_000913.2	+	4041441	4042067	1620.975352	1638.426184	1086.725409	1013.713767	1220.218325	0.555175088	1.986006334	1.1883366
yihF	gi 49175990 ref NC_000913.2	+	4042222	4043652	72.33969471	59.77438793	60.9943282	105.0924748	99.64263905	-0.420782513	0.909724255	0.4390591
yihG	gi 49175990 ref NC_000913.2	-	4043693	4044625	206.2395098	210.8632434	123.0424734	174.6468164	162.551195	0.426023293	1.204778746	0.6233323
poiA	gi 49175990 ref NC_000913.2	+	4044989	4047775	1943.269745	1714.346515	2184.053656	1963.013657	1454.26994	0.001221834	0.039854176	0.0045376
yihA	gi 49175990 ref NC_000913.2	-	4048156	4048788	1012.997209	937.4236111	1008.125085	932.8983816	982.6301384	0.014698411	0.004051239	0
yihI	gi 49175990 ref NC_000913.2	+	4049370	4049879	331.6723911	353.3539727	314.864798	396.5299294	306.4459296	-0.000339232	0.021999995	0.0004107
hemN	gi 49175990 ref NC_000913.2	+	4050068	4051441	1205.628826	1061.825766	1029.634472	940.8663773	1154.023194	0.13960723	0.242544168	0.0877793
ysbB	gi 49175990 ref NC_000913.2	-	4051670	4051780	1213.141705	1086.528623	1413.79962	1232.276435	1162.119042	-0.162119042	0.386490078	0.1542461
glnG	gi 49175990 ref NC_000913.2	-	4051892	4053301	555.9299992	548.0305779	637.3125057	514.781647	520.63918	-0.001575401	0.018711446	0
glnL	gi 49175990 ref NC_000913.2	-	4053313	4054362	489.0141868	486.2968454	537.2191792	566.0169488	473.596301	-0.105585328	0.202612065	0.0676994
glnA	gi 49175990 ref NC_000913.2	-	4054648	4056057	5741.944813	5974.331014	3967.139063	3749.31577	4594.346206	0.505220595	1.642758769	0.9353911
typA	gi 49175990 ref NC_000913.2	+	4056430	4058253	4686.596727	4461.237698	3481.332184	3281.726224	3652.253121	0.405109894	1.152235059	0.5899848
yihL	gi 49175990 ref NC_000913.2	+	4058470	4059180	64.15480864	69.35701111	92.18857444	130.790103	97.74836521	-0.696764933	2.114228606	1.2875029
yihM	gi 49175990 ref NC_000913.2	+	4059188	4060168	92.37632588	82.59077183	94.25553196	179.8680862	127.9738607	-0.621737493	1.601101801	0.8991359
yihN	gi 49175990 ref NC_000913.2	+	4060153	4061535	53.04310851	51.27561299	78.68206097	75.32900033	105.0922159	-0.727803561	2.23919608	1.3798801
ompL	gi 49175990 ref NC_000913.2	-	4061626	4062318	6.415598392	4.725057913	5.264229577	5.571758257	3.438691693	0.26103482	0.078095217	0.0192386
yihO	gi 49175990 ref NC_000913.2	-	4062386	4063789	36.7662312	46.60024526	34.75858475	30.49271399	47.92364304	0.113622552	0.208213614	0.0704704
yihP	gi 49175990 ref NC_000913.2	-	4063832	4065217	38.92497219	59.00497097	27.63462847	50.26130371	51.37540213	0.115100652	0.254892873	0.0928474

yihQ	gi 49175990 ref NC_000913.2	-	4065263	4067299	29.68996711	28.48076618	26.70871552	26.96472763	31.3146295	0.040701441	0.017820252	0
yihR	gi 49175990 ref NC_000913.2	-	4067498	4068424	14.29889687	17.11955918	19.05290043	23.56834975	28.98382615	-0.626055125	0.939650047	0.4570396
yihS	gi 49175990 ref NC_000913.2	-	4068538	4069779	80.02815556	82.64027294	85.96219342	78.52326244	76.36330187	0.020083524	0.023083322	0.0005477
yihT	gi 49175990 ref NC_000913.2	-	4069796	4070674	18.80306874	32.40387559	18.31997213	15.71020823	13.56292623	0.64124694	1.231853047	0.644367
yihU	gi 49175990 ref NC_000913.2	-	4070698	4071594	20.84719547	20.84719547	30.39913059	32.39841561	23.73467691	-0.489004424	0.847072665	0.3971622
yihV	gi 49175990 ref NC_000913.2	+	4071762	4072658	32.96432631	29.41395193	52.77112966	55.85839262	36.21137669	-0.610194364	1.481800098	0.8119038
yihW	gi 49175990 ref NC_000913.2	+	4072692	4073477	362.7017368	373.2846566	331.5217397	290.5818494	340.8849179	0.19567306	0.44051604	0.1808157
yihX	gi 49175990 ref NC_000913.2	+	4073576	4074175	922.196668	837.68492	1752.897943	1625.479289	1131.263047	-0.745989385	2.864170278	1.9045634
yihY	gi 49175990 ref NC_000913.2	+	4074169	4075041	818.2132649	858.6483508	1497.582127	1527.962541	1251.020143	-0.768594747	3.211558489	2.1802833
dtD	gi 49175990 ref NC_000913.2	+	4075038	4075475	802.2472766	740.8119288	1450.252221	1279.119676	924.8466923	-0.632692432	2.230598737	1.3780804
yiiD	gi 49175990 ref NC_000913.2	+	4075472	4076461	829.2887423	786.4151299	1043.120933	923.7586313	717.2319713	-0.12697552	0.285597288	0.1086502
yiiF	gi 49175990 ref NC_000913.2	+	4077774	4077992	51.54237632	40.7745258	42.76646757	50.36372045	47.11434241	0.003348197	0.006742582	0
fdhE	gi 49175990 ref NC_000913.2	-	4078322	4079251	1474.486535	1532.060513	1768.247312	1676.135577	1616.525041	-0.168058734	0.33140595	0.1302177
fdol	gi 49175990 ref NC_000913.2	-	4079248	4079883	2493.848803	2384.001609	3142.978953	3063.015373	3139.725316	-0.345883234	0.950477232	0.4631063
fdoH	gi 49175990 ref NC_000913.2	-	4079880	4080782	2306.506875	1815.923725	2618.66856	2544.961855	2324.401885	-0.238383662	0.608990977	0.2691543
fdoG	gi 49175990 ref NC_000913.2	-	4080795	4083845	8597.533479	8214.895421	10940.75539	10138.43389	8292.220257	-0.204119922	0.448948437	0.185387
fdhD	gi 49175990 ref NC_000913.2	+	4084039	4084872	384.8902497	383.7183458	501.1792208	455.2766004	463.3317385	-0.295321841	0.763461062	0.3467545
yiiG	gi 49175990 ref NC_000913.2	+	4085025	4086080	28.35669622	28.49092577	20.88033633	35.80298082	42.33022138	-0.235856527	0.249796251	0.091054
frvR	gi 49175990 ref NC_000913.2	-	4086130	4087878	68.78888943	88.41437282	77.47727247	75.35220019	110.6250403	-0.197810419	0.246948049	0.0903249
frvX	gi 49175990 ref NC_000913.2	-	4088948	4088948	66.61046459	55.98172188	64.18726392	79.47486385	75.12209917	-0.23729029	0.462412234	0.1939831
frvB	gi 49175990 ref NC_000913.2	-	4088938	4090389	39.05243119	39.8931852	52.05954139	59.3634876	58.29912852	-0.524431689	1.25335601	0.6600571
frvA	gi 49175990 ref NC_000913.2	-	4090400	4090846	7.617072802	6.632957969	3.250015534	7.909659139	15.38198219	-0.327730839	0.172118745	0.0541629
rhaM	gi 49175990 ref NC_000913.2	-	4091147	4091461	32.09199956	33.24730686	44.80468436	75.91909942	65.00366724	-0.940595321	2.700323403	1.7716502
rhaD	gi 49175990 ref NC_000913.2	-	4091471	4092295	20.91048869	18.97480458	24.34636463	36.75176568	27.01350259	-0.554708976	0.959926011	0.4669512
rhaA	gi 49175990 ref NC_000913.2	-	4092746	4094005	21.58249433	18.96909619	20.91521101	11.45808858	21.18086011	0.205965699	0.180449191	0.0573901
rhaB	gi 49175990 ref NC_000913.2	-	4094002	4095471	20.78532807	20.89229264	22.70729046	32.20805917	17.07649411	-0.204517788	0.239871945	0.0861717
rhaS	gi 49175990 ref NC_000913.2	+	4095759	4096595	34.69915263	34.18519726	31.65027971	26.99221587	29.17686192	0.241581112	0.334898751	0.1322052
rhaR	gi 49175990 ref NC_000913.2	+	4096669	4097517	45.54983595	78.05179088	64.16954046	72.05840921	70.71952772	-0.301558202	0.380347886	0.1502827
rhaT	gi 49175990 ref NC_000913.2	-	4097514	4098548	50.07765416	59.88779962	59.37970402	61.48584862	41.81050356	0.005805426	0.012012346	0
sodA	gi 49175990 ref NC_000913.2	+	4098833	4099453	4442.147626	4536.306876	2085.248773	2425.083025	2884.701922	0.849896228	3.938952481	2.7970192
kdgT	gi 49175990 ref NC_000913.2	+	4099713	4100696	62.19326425	69.36696251	98.68274401	87.36591935	62.08167119	-0.3297617	0.647436241	0.2895228
yiiM	gi 49175990 ref NC_000913.2	+	4100845	4101519	457.2062902	457.2062902	621.945807	536.8270897	312.5873905	-0.146987077	0.320815393	0.1253096
cpxA	gi 49175990 ref NC_000913.2	-	4101625	4102998	1376.930193	1332.566083	1328.970373	1264.620065	1134.280679	0.134715677	0.248521264	0.0906571
cpxR	gi 49175990 ref NC_000913.2	-	4102995	4103693	884.4686298	927.984594	942.643613	829.7072369	774.202667	0.096036377	0.181344961	0.0580027
cpxP	gi 49175990 ref NC_000913.2	+	4103843	4104343	6965.07524	6759.971411	4194.198001	7875.223817	5624.49342	0.200364046	0.409241283	0.1668691
fieF	gi 49175990 ref NC_000913.2	+	4104492	4105394	1042.417675	1032.436601	1167.414759	1176.025181	1087.082665	-0.137419593	0.283348454	0.1073228
pfkA	gi 49175990 ref NC_000913.2	+	4105575	4106537	5918.955314	5616.20718	10214.77504	9036.377061	7228.878139	-0.5939635	1.898303412	1.1234451
sbp	gi 49175990 ref NC_000913.2	+	4106857	4107846	159.3765162	172.8945345	219.88141	215.1731974	180.8400578	-0.310578901	0.701885802	0.3141674
cdh	gi 49175990 ref NC_000913.2	+	4107953	4108708	194.4022941	188.9966551	178.173512	189.5063174	207.3690128	-0.0009184	0	0
tpiA	gi 49175990 ref NC_000913.2	-	4108763	4109530	5606.842403	5946.795883	7573.43945	6292.011009	6211.219184	-0.210421471	0.433583001	0.1772001
yiiQ	gi 49175990 ref NC_000913.2	-	4109638	4110237	195.7911151	225.1603116	171.5673567	196.1018346	189.5438894	0.156235508	0.355298419	0.1411458
yiiR	gi 49175990 ref NC_000913.2	+	4110338	4110778	82.63026972	82.62928815	66.60005375	46.10818499	41.7525756	0.699880171	2.002186347	1.2018135
yiiS	gi 49175990 ref NC_000913.2	+	4110990	4111289	383.9213093	424.6073141	535.0969238	689.058702	498.3464663	-0.5252069	1.576206367	0.8620699
uspD	gi 49175990 ref NC_000913.2	+	4111316	4111744	738.1294929	762.7099716	833.4405165	988.5344177	777.6006668	-0.21507619	0.46554501	0.1952808
fpr	gi 49175990 ref NC_000913.2	-	4111749	4112495	802.311807	873.8629858	895.2034314	798.3887903	842.4400072	-0.020035202	0.016100983	0
glpX	gi 49175990 ref NC_000913.2	-	4112592	4113602	1627.587604	1510.160853	2857.112235	2413.984316	2478.015017	-0.700274779	2.63258838	1.7137555
glpK	gi 49175990 ref NC_000913.2	-	4113737	4115245	17611.58248	15983.38077	30447.60437	28833.47325	22865.8166	-0.682202802	2.355182681	1.4848406
glpF	gi 49175990 ref NC_000913.2	-	4115268	4116113	4844.593542	5136.606277	9106.436867	8835.739658	8466.948506	-0.824577828	3.256795799	2.219753
zapB	gi 49175990 ref NC_000913.2	+	4116538	4116783	4923.165911	5691.338984	4766.64538	5554.228979	6855.569128	-0.143563749	0.183705784	0.0590752
rraA	gi 49175990 ref NC_000913.2	-	4116868	4117353	2510.633508	2576.846747	5261.982707	4530.520455	3606.821961	-0.801949053	3.1660274	2.1524871
menA	gi 49175990 ref NC_000913.2	-	4117446	4118372	224.8560387	254.598789	251.9686979	242.5071924	243.446265	-0.051378852	0.05536871	0.0102387
hsiU	gi 49175990 ref NC_000913.2	-	4118439	4119770	1277.142097	1267.991043	912.8989151	850.0206399	1014.957338	0.458692825	1.483828775	0.8129341
hsiV	gi 49175990 ref NC_000913.2	-	4119780	4120310	681.0780921	631.5857944	561.1072992	513.6367771	574.2381709	0.26813826	0.627286176	0.2807711
ftsN	gi 49175990 ref NC_000913.2	-	4120403	4121362	902.5445455	841.4962519	862.5130831	848.7942273	926.4395578	-0.003371088	0.01492107	0
cytR	gi 49175990 ref NC_000913.2	-	4121454	4122479	896.1437062	857.6552123	1137.138327	1082.061976	1253.915535	-0.395812485	1.155938746	0.5921291
priA	gi 49175990 ref NC_000913.2	-	4122635	4124833	505.3272664	516.7035769	490.8178804	454.2016123	503.573926	0.079963575	0.156612004	0.0487535
rpmE	gi 49175990 ref NC_000913.2	+	4125036	4125248	12910.48494	14505.57806	6866.176499	9084.754414	12674.79147	0.483920657	1.385900318	0.751877

yiiX	gi 49175990 ref NC_000913.2	-	4125309	4125917	188.821729	177.5855202	165.5609018	230.7353964	224.1902087	-0.180970321	0.31814902	0.1240423
metJ	gi 49175990 ref NC_000913.2	-	4126101	4126418	596.3470708	582.2193288	578.8395239	541.7859374	728.7201113	-0.066163001	0.10685764	0.0284507
metB	gi 49175990 ref NC_000913.2	+	4126695	4127855	350.7044916	361.8880547	372.8079539	252.5990129	281.7052777	0.249753573	0.514795936	0.2209121
metL	gi 49175990 ref NC_000913.2	+	4127858	4130290	676.4377346	669.6083451	800.8164363	651.6427761	751.5197322	-0.117982719	0.246477545	0.02901954
metF	gi 49175990 ref NC_000913.2	+	4130639	4131529	110.2048212	110.2048212	105.7017701	124.5309887	158.8781213	-0.31705887	0.609674285	0.2692728
katG	gi 49175990 ref NC_000913.2	+	4131858	4134038	9582.614801	8937.690492	21435.05815	14841.90993	12246.52951	-0.768838722	2.634431155	1.7147128
yjiE	gi 49175990 ref NC_000913.2	+	4134131	4135036	299.4317033	266.8433131	388.0062124	301.8487113	341.0324138	-0.253835274	0.655234539	0.2935851
yjiF	gi 49175990 ref NC_000913.2	-	4135063	4135680	64.03236854	55.0390954	74.10631867	48.65219154	88.22727275	-0.218548914	0.386282786	0.1542208
gldA	gi 49175990 ref NC_000913.2	-	4135955	4137058	690.8853829	697.1618181	1652.967907	1397.980373	975.3932115	-0.934621314	3.927746461	2.7909818
fsaB	gi 49175990 ref NC_000913.2	-	4137069	4137731	106.6631825	104.4673789	301.132682	236.6130574	187.7737451	-1.174342398	5.397989481	4.0869281
ptsA	gi 49175990 ref NC_000913.2	-	4137743	4140244	127.628346	93.9177304	184.411397	194.9649481	170.6467446	-0.687826994	2.477863035	1.5846159
frwC	gi 49175990 ref NC_000913.2	+	4140553	4141632	18.28300676	18.0396905	31.65026559	29.16196996	27.00630521	-0.677646124	1.402262109	0.7611946
frwB	gi 49175990 ref NC_000913.2	+	4141647	4141967	15.03982314	16.15301711	26.48317734	33.35599466	17.12045479	-0.717330191	1.277109151	0.6787999
pfID	gi 49175990 ref NC_000913.2	+	4142018	4144315	112.2926131	112.0727555	115.1402418	163.4785136	160.2409184	-0.397018083	0.94603539	0.460299
pfIC	gi 49175990 ref NC_000913.2	+	4144281	4145159	28.28354677	18.91758129	20.24305385	21.39161573	28.9688468	0.036936951	0	0
frwD	gi 49175990 ref NC_000913.2	+	4145161	4145502	15.92343344	13.26737082	32.45519572	19.26645973	23.6156536	-0.744107192	1.425832576	0.7750308
yjiO	gi 49175990 ref NC_000913.2	-	4145489	4146340	120.5994299	115.8576915	133.1444582	109.919767	94.50517264	0.089262166	0.112942986	0.0316882
yjiP	gi 49175990 ref NC_000913.2	-	4146555	4148288	479.2993236	513.875939	406.0617242	401.4251941	422.8364473	0.265570313	0.707117818	0.3173115
ppc	gi 49175990 ref NC_000913.2	-	4148470	4151121	3407.568139	3232.179667	4598.571802	4161.524669	2874.470728	-0.202092619	0.444842763	0.1830384
argE	gi 49175990 ref NC_000913.2	-	4151719	4152870	477.2440357	444.4755493	402.8507773	388.9424038	321.1065294	0.3293821	0.822500655	0.380789
argC	gi 49175990 ref NC_000913.2	+	4153024	4154028	110.0584058	76.80886413	65.0798209	62.85921764	69.47481929	0.548287509	1.332952463	0.7180515
argB	gi 49175990 ref NC_000913.2	+	4154036	4154812	125.5208967	126.3231045	87.28473864	86.24335601	70.87974404	0.631906644	2.161923748	1.3257958
argH	gi 49175990 ref NC_000913.2	+	4154873	4156246	371.0373104	366.6177532	296.9887419	279.2204919	280.4802222	0.373791016	1.054586822	0.5270987
oxyR	gi 49175990 ref NC_000913.2	+	4156513	4157430	1525.832731	1482.638217	1951.973819	1726.521402	1390.236071	-0.151410614	0.316997496	0.1239013
sthA	gi 49175990 ref NC_000913.2	-	4157413	4158813	1615.747815	1719.184944	2199.561582	2279.14467	1943.065175	-0.367132354	0.900068147	0.4325823
fabR	gi 49175990 ref NC_000913.2	+	4159147	4159794	1601.218798	1711.588675	2174.910879	2198.693211	2581.971929	-0.499507546	1.396913623	0.7596047
yjiD	gi 49175990 ref NC_000913.2	+	4159794	4160153	1842.869963	1982.288158	2317.618232	2171.74494	2254.688639	-0.241220087	0.502031706	0.2138914
trmA	gi 49175990 ref NC_000913.2	+	4160193	4161293	1086.675596	1049.521328	1191.664592	1238.877009	1289.911484	-0.21345886	0.492381721	0.2085983
btuB	gi 49175990 ref NC_000913.2	+	4161662	4163506	701.1943708	664.8393423	782.5126658	750.0491731	711.2988975	-0.119895135	0.263855339	0.0969652
murI	gi 49175990 ref NC_000913.2	+	4163451	4164308	599.8677498	633.5456164	673.3585884	584.2147969	568.8733684	0.019006918	0.032749953	0.0030156
murB	gi 49175990 ref NC_000913.2	+	4170080	4171108	557.985228	524.2633821	557.1838176	613.0232956	482.624098	-0.016296856	0.037000157	0.0039338
birA	gi 49175990 ref NC_000913.2	+	4171105	4172070	404.6160566	383.6959857	321.558298	407.7520308	322.1182576	0.170703207	0.352711157	0.1402157
coaA	gi 49175990 ref NC_000913.2	-	4172099	4173049	751.4286896	765.5527735	507.8523475	623.3415735	717.545046	0.28367366	0.764958595	0.3473328
tufB	gi 49175990 ref NC_000913.2	+	4173967	4175151	39940.03507	38090.27286	31953.7877	27766.45768	30881.29503	0.380911985	0.955687172	0.4660176
secE	gi 49175990 ref NC_000913.2	+	4175381	4175764	2921.643681	2812.369983	2610.750329	2278.38183	2623.633735	0.204003866	0.414254994	0.1691717
nusG	gi 49175990 ref NC_000913.2	+	4175766	4176311	3627.916272	3964.55334	2820.752745	2370.503085	3424.200331	0.388374435	1.109872779	0.5636669
rplK	gi 49175990 ref NC_000913.2	+	4176470	4176898	7580.312662	7335.375899	4272.451004	3950.100826	5410.793242	0.714779477	2.692289787	1.7646356
rplA	gi 49175990 ref NC_000913.2	+	4176902	4177606	16196.88639	14658.39206	8692.853161	7842.683998	10107.62203	0.809504139	3.232137869	2.1985648
rplJ	gi 49175990 ref NC_000913.2	+	4178019	4178516	9537.863321	10466.01698	5709.422179	5601.473537	7321.134717	0.667654757	2.450933585	1.5620049
rplL	gi 49175990 ref NC_000913.2	+	4178583	4178948	15736.84299	14411.44668	8406.193546	7231.725463	9767.698906	0.844069162	3.433481792	2.3750174
rpoB	gi 49175990 ref NC_000913.2	+	4179268	4183296	12387.41399	11567.71975	13093.15137	9221.70029	9150.289815	0.221027659	0.373083202	0.146713
rpoC	gi 49175990 ref NC_000913.2	+	4183373	4187596	20003.59569	18737.85002	15208.2815	11543.52052	11301.7339	0.635940917	1.991892365	1.193553
yjaZ	gi 49175990 ref NC_000913.2	+	4187809	4188348	174.8755822	208.0772351	150.025031	229.6421967	245.3106384	-0.164930693	0.18822256	0.0610389
thiH	gi 49175990 ref NC_000913.2	-	4188758	4189891	55.12218319	65.58702153	55.36029199	38.41443411	55.93293321	0.260853159	0.494631177	0.2099578
thiG	gi 49175990 ref NC_000913.2	-	4189888	4190658	36.84869973	44.6880633	25.4265901	23.68494086	33.44933737	0.541034827	1.192556806	0.6167758
thiS	gi 49175990 ref NC_000913.2	-	4190660	4190860	19.02217606	17.07448338	22.19350899	13.65040703	20.13824464	-0.025515535	0.014836771	0
thiF	gi 49175990 ref NC_000913.2	-	4190844	4191599	33.3222973	35.15152442	32.83250567	31.31725983	22.648617	0.245247889	0.357669351	0.1415056
thiE	gi 49175990 ref NC_000913.2	-	4191592	4192227	36.5105732	25.56301528	26.51690026	27.96890934	23.65007754	0.290921574	0.3524073	0.1400853
thiC	gi 49175990 ref NC_000913.2	-	4192227	4194122	169.1116058	167.1579031	152.0556592	127.9398271	131.328375	0.303570229	0.67910673	0.3039626
rsd	gi 49175990 ref NC_000913.2	-	4194355	4194831	384.1690973	478.8019459	382.1431708	393.4755463	374.7180422	0.139180624	0.358574929	0.1418846
nudC	gi 49175990 ref NC_000913.2	+	4194926	4195699	589.3341382	488.114184	563.3494889	588.3021182	399.8254634	0.091869857	0.1002903	0.0264593
hemE	gi 49175990 ref NC_000913.2	+	4195739	4196803	1066.537082	1014.371091	1134.992939	1022.485896	899.9023372	0.045826334	0.052369258	0.0090435
nfi	gi 49175990 ref NC_000913.2	+	4196813	4197484	584.7474175	509.0320086	524.8531602	483.2084116	432.0923391	0.214488939	0.416989414	0.1708749
yjaG	gi 49175990 ref NC_000913.2	+	4197527	4198117	529.7946247	565.1636376	483.3069233	480.0047156	579.6615438	0.076548217	0.169653328	0.0533084
hupA	gi 49175990 ref NC_000913.2	+	4198304	4198576	11149.35788	10499.18559	10232.39653	10946.97214	13267.50361	-0.084913894	0.138640752	0.0415146
yjaH	gi 49175990 ref NC_000913.2	+	4198589	4199284	554.8630165	623.1263346	629.3303745	584.4301777	823.9917224	-0.22758235	0.430797483	0.1762871
zraP	gi 49175990 ref NC_000913.2	-	4199286	4199711	53.58253954	54.13794087	66.48053203	67.30504761	71.7305721	-0.348664057	0.734354989	0.3293741

zraS	gi 49175990 ref NC_000913.2	+	4199949	4201346	190.5747806	151.8759766	472.2980984	364.4890308	315.5871186	-1.11836238	5.541444344	4.2102835
zraR	gi 49175990 ref NC_000913.2	+	4201343	4202668	188.4687574	161.4016868	324.8335752	251.1746327	188.9640075	-0.502840174	1.457940503	0.7974161
purD	gi 49175990 ref NC_000913.2	-	4202665	4203954	186.1607272	183.303057	702.5862553	751.3601634	152.7052012	-1.509581138	3.859045884	2.742285
purH	gi 49175990 ref NC_000913.2	-	4203966	4205555	440.0879597	400.7744622	1143.254439	1182.06687	367.9622661	-1.06035786	3.02435699	2.0321357
yjaA	gi 49175990 ref NC_000913.2	+	4211257	4211640	103.2137967	113.0571365	64.3889566	77.37348204	90.60180111	0.45879167	1.356439351	0.735296
yjaB	gi 49175990 ref NC_000913.2	-	4211703	4212146	135.1508191	128.2000425	104.9922426	103.240429	117.6468837	0.282307586	0.630338252	0.28237
metA	gi 49175990 ref NC_000913.2	+	4212303	4213232	138.0129145	145.3372517	92.90372447	91.9626221	94.21448679	0.599982508	2.059958616	1.2445323
aceB	gi 49175990 ref NC_000913.2	+	4213501	4215102	2732.813973	2751.603723	2101.822478	2088.326139	1217.7959	0.617079732	1.782236792	1.0409668
aceA	gi 49175990 ref NC_000913.2	+	4215132	4216436	3070.658244	2875.994241	2180.283289	2117.604652	1452.071615	0.65357954	2.10766489	1.2830803
aceK	gi 49175990 ref NC_000913.2	+	4216619	4218355	855.5916896	859.5775995	580.7128835	552.6934989	494.8865623	0.664561902	2.756873517	1.816276
arpA	gi 49175990 ref NC_000913.2	-	4218324	4220510	60.39640874	64.60400675	37.35981537	43.61895044	38.19494098	0.64205979	1.872727526	1.1049513
iclR	gi 49175990 ref NC_000913.2	-	4220827	4221651	1378.109278	1639.454908	1349.770881	1674.655745	1358.590323	0.015435009	0.079231408	0.019423
metH	gi 49175990 ref NC_000913.2	+	4221851	4225534	1342.487058	1206.206232	1646.719495	1448.455551	1117.710241	-0.111422381	0.25715429	0.0940299
yjbB	gi 49175990 ref NC_000913.2	+	4225754	4227385	617.4423026	556.5379965	586.2725985	551.6849445	573.2051303	0.058137892	0.072957202	0.017532
pepE	gi 49175990 ref NC_000913.2	-	4227476	4228165	573.6641447	669.6855343	1392.945306	1057.740224	1635.021441	-1.151378604	5.516096185	4.1917391
rluF	gi 49175990 ref NC_000913.2	+	4228377	4229249	262.6009683	307.8047279	210.006727	208.6877708	256.5998347	0.31479395	0.867643637	0.4103233
yjdB	gi 49175990 ref NC_000913.2	-	4229382	4229654	288.6120701	322.9815445	388.0970191	372.0841431	285.3029727	-0.195439507	0.380589185	0.1503428
lysC	gi 49175990 ref NC_000913.2	-	4229907	4231256	209.6424366	197.5319197	186.8642626	164.9664585	185.0294841	0.197325096	0.382354909	0.151746
pgI	gi 49175990 ref NC_000913.2	+	4231781	4233430	4076.210353	4111.735036	4418.449428	3864.60409	3358.790348	0.086809809	0.138248414	0.0415146
yjbE	gi 49175990 ref NC_000913.2	+	4233929	4234171	23.90169831	24.6971692	22.7073329	24.65216609	24.66461762	0.013186451	0.008832592	0
yjbF	gi 49175990 ref NC_000913.2	+	4234285	4234923	5.728068396	4.732765067	2.822625625	1.24206908	7.64430065	0.420489126	0.225402185	0.0787822
yjbH	gi 49175990 ref NC_000913.2	+	4235657	4237753	129.3278262	129.169637	107.0414297	81.00386532	104.2112896	0.414730815	1.089808419	0.5531722
yjbT	gi 49175990 ref NC_000913.2	-	4237800	4238078	13.96403551	12.32673935	12.54069503	20.12220593	22.28479618	-0.478367707	0.591872533	0.2618531
psiE	gi 49175990 ref NC_000913.2	+	4238348	4238758	52.23087557	55.10055251	54.25959752	102.6309576	75.21483922	-0.552267604	1.188242986	0.6157551
xyIE	gi 49175990 ref NC_000913.2	-	4238802	4240277	77.63398602	75.97337731	112.0977258	145.5294224	130.1208814	-0.756271017	2.661928108	1.7395427
malG	gi 49175990 ref NC_000913.2	-	4240649	4241539	1029.403369	952.6205859	5937.22422	5835.16516	3232.498783	-2.309650956	15.94516217	13.59052
malF	gi 49175990 ref NC_000913.2	-	4241554	4243098	1693.11684	1613.703011	8899.848794	9349.772578	4398.105382	-2.169940438	12.48127582	10.484145
malE	gi 49175990 ref NC_000913.2	-	4243252	4244442	4467.236857	3991.050582	19883.73027	27546.74406	13166.56931	-2.240921008	13.40674567	11.288193
malK	gi 49175990 ref NC_000913.2	+	4244807	4245922	3868.88486	3614.946551	17274.09051	16321.34404	10177.05502	-1.938966402	12.1274443	10.189628
lamB	gi 49175990 ref NC_000913.2	+	4245994	4247334	4135.215065	3813.450911	28110.73047	29404.78618	13398.93217	-2.545807652	15.41852676	13.109642
malM	gi 49175990 ref NC_000913.2	+	4247577	4248497	1604.042881	1573.824754	12438.58543	14032.71793	6739.116163	-2.788096006	19.04771037	16.479189
ubiC	gi 49175990 ref NC_000913.2	+	4250529	4251026	443.9916225	390.3110097	439.5928261	360.013228	343.46789	0.160084319	0.25808656	0.0943277
ubiA	gi 49175990 ref NC_000913.2	+	4251039	4251911	689.343454	627.7782695	601.9302127	592.9715474	490.4825423	0.247872288	0.528925818	0.2271488
plsB	gi 49175990 ref NC_000913.2	-	4252066	4254489	2154.163113	2182.669517	2288.776549	2200.958271	2547.264728	-0.117092711	0.199448498	0.0660742
dgkA	gi 49175990 ref NC_000913.2	+	4254660	4255028	498.4365732	607.9679057	511.5719653	561.8017675	690.6006444	-0.125863136	0.14702207	0.0441955
lexA	gi 49175990 ref NC_000913.2	+	4255138	4255746	5907.386681	5943.920668	5311.247268	4512.666269	4012.751751	0.372493225	0.93857608	0.4564142
dinF	gi 49175990 ref NC_000913.2	+	4255765	4257144	713.4774418	621.1091043	492.467033	531.3500393	512.6406963	0.398297176	1.102658708	0.5586973
yjbJ	gi 49175990 ref NC_000913.2	+	4257260	4257469	1114.476912	1278.508335	565.8886329	2256.981452	1958.011767	-0.482567157	0.610469589	0.2696009
zur	gi 49175990 ref NC_000913.2	-	4257511	4258026	884.3750074	953.6425388	1087.725815	1071.779165	993.9897029	-0.201877434	0.420116475	0.171766
yjbM	gi 49175990 ref NC_000913.2	+	4258622	4259329	6.246990994	6.648742113	9.373355747	12.22755146	7.948373675	-0.605027292	0.471812013	0.1985574
dusA	gi 49175990 ref NC_000913.2	+	4259737	4260729	817.841105	795.925316	503.1243246	569.3740813	509.3522277	0.614136049	2.428497112	1.5420384
pspG	gi 49175990 ref NC_000913.2	+	4260863	4261105	166.4923128	170.0205252	131.6489677	131.2919912	155.7145763	0.263298028	0.602647373	0.2674799
qorA	gi 49175990 ref NC_000913.2	+	4261271	4262254	867.8551609	805.4013071	1250.670679	1426.696501	818.3972075	-0.461737847	1.269888247	0.6745944
dnaB	gi 49175990 ref NC_000913.2	+	4262337	4263752	1335.029377	1389.589549	1119.584801	1038.287001	1097.04044	0.325125111	0.917660808	0.4431971
alr	gi 49175990 ref NC_000913.2	+	4263805	4264884	637.3298297	522.3023622	659.7038384	550.5447679	482.6674394	0.079709481	0.065719757	0.0153529
tyrB	gi 49175990 ref NC_000913.2	+	4265137	4266330	582.953622	593.6365178	790.8499517	684.9423653	503.0535994	-0.152365199	0.313535589	0.1222592
aphA	gi 49175990 ref NC_000913.2	+	4267437	4268150	1003.439338	953.5828074	1633.789803	2522.479472	3084.103442	-1.319992178	5.74835234	4.3864112
yjbQ	gi 49175990 ref NC_000913.2	+	4268261	4268677	738.0329623	784.5690317	983.3992026	1082.915509	1020.806532	-0.446776607	1.306207725	0.6988913
yjbR	gi 49175990 ref NC_000913.2	+	4268681	4269037	378.6761401	366.6086647	530.9562711	435.0828842	382.835654	-0.252626783	0.629603517	0.2819028
uvrA	gi 49175990 ref NC_000913.2	-	4269072	4271894	2335.537166	2189.280863	2339.831328	2219.808365	1912.825741	0.084385836	0.119342416	0.034732
ssb	gi 49175990 ref NC_000913.2	+	4272148	4272684	2380.132236	2364.073954	2156.63353	1817.548351	1898.054254	0.286137789	0.654366142	0.2931605
ycjB	gi 49175990 ref NC_000913.2	-	4272783	4273064	387.2608744	404.6353654	219.8878738	295.7737265	287.0238822	0.546221449	1.93763537	1.1531471
ycjC	gi 49175990 ref NC_000913.2	+	4273494	4275080	159.4038231	137.6613981	115.7193758	135.4801804	116.7563309	0.291362238	0.640691831	0.2862934
soxS	gi 49175990 ref NC_000913.2	-	4275083	4275406	120.7030471	140.6273826	70.56939556	71.8204835	81.75016651	0.782732631	3.280405448	2.2398649
soxR	gi 49175990 ref NC_000913.2	+	4275492	4275956	80.1464984	78.8244204	77.56490671	66.14166955	53.00044519	0.291507744	0.570300741	0.2491116
ycjD	gi 49175990 ref NC_000913.2	+	4276502	4277851	199.8697642	168.9945942	442.4339163	433.1950864	112.2113396	-0.788581267	1.647496722	0.9395852
ycjE	gi 49175990 ref NC_000913.2	+	4278003	4279652	816.8453907	736.051609	781.3476192	783.6386853	733.7192148	0.035362574	0.034841765	0.0036811

yjcF	gi 49175990 ref NC_000913.2	-	4279806	4281098	19.0487034	27.61401923	12.07375554	9.138765828	17.73665531	0.801910256	1.538098067	0.855554
actP	gi 49175990 ref NC_000913.2	-	4281276	4282925	51.09049049	68.47393048	73.34080847	50.64266175	51.76612142	0.011072341	0.033016663	0.0030156
yjcH	gi 49175990 ref NC_000913.2	-	4282922	4283236	10.91878507	17.15646973	6.794717315	8.927358988	7.8632009	0.784574596	1.174876815	0.605169
acs	gi 49175990 ref NC_000913.2	-	4283436	4285394	71.50526958	84.58623052	133.2335332	95.58413618	114.4244881	-0.560029974	1.572532137	0.8806481
nrFA	gi 49175990 ref NC_000913.2	+	4285787	4287223	1216.640282	1182.497905	5282.002918	2101.86072	2866.407394	-1.46272245	5.98814683	4.5930763
nrFB	gi 49175990 ref NC_000913.2	+	4287268	4287834	387.9597122	397.0274723	1707.298967	683.518604	746.5798319	-1.367361513	5.340040114	4.0354771
nrFC	gi 49175990 ref NC_000913.2	+	4287831	4288502	366.9320565	329.5331873	1987.557381	820.1463268	556.2892802	-1.611403886	5.675080118	4.3183907
nrFD	gi 49175990 ref NC_000913.2	+	4288499	4289455	395.8511583	367.5399074	2369.812189	1039.822779	661.7527222	-1.760796954	6.468996977	5.0204506
nrFE	gi 49175990 ref NC_000913.2	+	4289535	4291193	153.5564618	140.5332234	827.4369683	454.4566434	382.0444212	-1.865329421	10.02764584	8.217072
nrFF	gi 49175990 ref NC_000913.2	+	4291186	4291569	39.36979423	47.53781219	294.7998919	186.3071035	138.5907646	-2.236098663	11.78659011	9.8668718
nrFG	gi 49175990 ref NC_000913.2	+	4291566	4292162	52.77631005	57.96235652	271.2332398	231.0248348	212.2335597	-2.102988924	14.63417057	12.385984
glfP	gi 49175990 ref NC_000913.2	+	4292504	4293817	1151.054403	1106.507797	934.7203775	856.5363814	747.3440965	0.429360726	1.244724509	0.6530944
yjcO	gi 49175990 ref NC_000913.2	-	4294459	4295148	194.6545573	214.6944074	163.5139632	178.2227366	179.4245907	0.219356202	0.517920921	0.2218965
fdhF	gi 49175990 ref NC_000913.2	-	4295242	4297389	466.1324002	487.2694831	1112.194307	1006.698953	776.6788981	-1.012003344	5.048460896	3.7730002
mdtP	gi 49175990 ref NC_000913.2	-	4297587	4299053	36.07638657	33.21919899	38.48392352	30.50433571	45.76710148	-0.132024896	0.186354434	0.0601699
mdtO	gi 49175990 ref NC_000913.2	-	4299050	4301101	46.97819079	39.84417471	63.78254281	63.93906253	67.26291412	-0.563340411	1.514115017	0.8361667
mdtN	gi 49175990 ref NC_000913.2	-	4301101	4302132	38.04819026	47.54692128	67.47821705	61.72357005	62.85257939	-0.600330508	1.557779025	0.8711086
yjcS	gi 49175990 ref NC_000913.2	-	4302635	4304620	15.96150015	22.85468491	21.39505907	20.28408423	26.77993588	-0.268898364	0.277939752	0.104347
alsK	gi 49175990 ref NC_000913.2	-	4304893	4305822	70.68623459	69.32560766	96.34893207	81.92750167	79.76725663	-0.285836067	0.630342552	0.28237
alsE	gi 49175990 ref NC_000913.2	-	4305806	4306501	35.12463597	26.52872396	37.89154654	43.85792764	63.53153992	-0.633606673	1.402078366	0.7611136
alsC	gi 49175990 ref NC_000913.2	-	4306512	4307492	56.14390167	40.75078572	88.03615581	76.17360887	54.22107954	-0.537427677	1.378993884	0.7468031
alsA	gi 49175990 ref NC_000913.2	-	4307471	4309003	43.8303244	51.33035623	84.49297867	77.34884445	67.49065853	-0.693153436	2.002168155	1.2018135
alsB	gi 49175990 ref NC_000913.2	-	4309130	4310065	43.16042386	36.99895989	69.72361163	79.69662166	102.8429392	-1.060961234	3.959240917	2.8147094
rpiR	gi 49175990 ref NC_000913.2	-	4310124	4311014	370.9282708	378.9802764	529.899047	586.3458992	624.6446083	-0.639390162	2.391455292	1.5107057
rpiB	gi 49175990 ref NC_000913.2	+	4311373	4311822	83.07660606	52.09549206	246.0905659	160.5300005	131.7389098	-1.327577947	6.000399639	4.6026728
yjdP	gi 49175990 ref NC_000913.2	+	4311891	4312220	142.7360931	134.8469412	251.1029662	197.4678823	188.6784542	-0.592820817	1.956959235	1.1672463
phnP	gi 49175990 ref NC_000913.2	-	4312367	4313125	92.5894877	75.91379983	99.52361467	73.30209076	125.1876189	-0.212901231	0.428121208	0.1754896
phnO	gi 49175990 ref NC_000913.2	-	4313127	4313561	98.09889699	86.38421488	72.93285746	66.27205571	76.19363114	0.378248305	1.893731031	0.4280794
phnN	gi 49175990 ref NC_000913.2	-	4313548	4314105	49.24758715	34.09648505	39.19917876	23.80987959	33.61203837	0.42319588	0.647449513	0.2895228
phnM	gi 49175990 ref NC_000913.2	-	4314105	4315241	25.96699576	23.72277308	20.04961206	13.72996625	29.94353687	0.23250862	0.257980844	0.0943277
phnL	gi 49175990 ref NC_000913.2	-	4315238	4315918	59.08692635	64.6108737	47.80922813	42.75305365	53.69980806	0.352460985	0.791525272	0.3636958
phnK	gi 49175990 ref NC_000913.2	-	4316029	4316787	10.26992536	7.565137646	9.93045464	2.374254699	3.456272015	0.816786196	0.676523631	0.3033725
phnJ	gi 49175990 ref NC_000913.2	-	4316784	4317629	4.957111197	5.703226735	8.063230368	7.894698123	10.03845572	-0.698060856	0.672766786	0.301217
phnI	gi 49175990 ref NC_000913.2	-	4317622	4318686	6.092338545	8.572916592	9.530104589	13.37254897	11.23571697	-0.658998536	0.693099497	0.3103556
phnH	gi 49175990 ref NC_000913.2	-	4318686	4319270	5.652090945	6.657095612	7.933158135	3.540685183	11.04129718	-0.299647568	0.135396701	0.0404245
phnF	gi 49175990 ref NC_000913.2	-	4319720	4320445	5.484573612	7.619427431	5.311589429	5.592006383	4.527501922	0.325514954	0.131346609	0.0394194
phnD	gi 49175990 ref NC_000913.2	-	4321359	4322375	5.141512523	12.42982108	8.021085681	8.946809301	7.881516754	0.010963245	0.03538716	0.0036811
phnC	gi 49175990 ref NC_000913.2	-	4322400	4323188	8.219798621	7.586816861	6.753483596	7.840855767	7.844757545	0.087274195	0.038174925	0.0042561
yjdN	gi 49175990 ref NC_000913.2	-	4323321	4323764	54.30576454	70.36408808	66.55991624	71.72725402	71.76407538	-0.200543671	0.28314212	0.1073228
yjdM	gi 49175990 ref NC_000913.2	-	4324422	4324757	359.5164839	307.6669742	305.5619888	328.5048415	350.9660493	0.039122455	0.03748411	0.0039338
yjdA	gi 49175990 ref NC_000913.2	+	4325158	4327386	764.0051134	788.3542601	1407.559201	1571.529649	1162.480643	-0.833610883	3.602514429	2.5263499
yjcZ	gi 49175990 ref NC_000913.2	+	4327383	4328261	625.9385838	623.0701568	1475.722318	1470.608912	903.6472593	-0.102672788	4.492174209	3.2888
proP	gi 49175990 ref NC_000913.2	+	4328525	4330027	5766.767117	5652.313721	5822.313275	5684.014643	4240.601562	0.132772843	0.222737072	0.0773895
pnrR	gi 49175990 ref NC_000913.2	+	4330139	4330228	172.1244268	178.5753695	166.3943311	124.6945033	140.2700823	0.292574271	0.63772277	0.2847665
basS	gi 49175990 ref NC_000913.2	-	4330204	4331295	504.0257538	432.0911494	477.3253624	451.8345665	428.6266873	0.073999912	0.086245455	0.0221491
basR	gi 49175990 ref NC_000913.2	-	4331305	4331973	301.6344183	297.2804784	373.64545	363.1342377	291.9676589	-0.186656381	0.408497828	0.1664982
eptA	gi 49175990 ref NC_000913.2	-	4331970	4333613	114.8547405	113.0172862	118.1684736	124.3883849	116.7154788	-0.070273225	0.104725224	0.0772729
adiC	gi 49175990 ref NC_000913.2	-	4333717	4335054	67.59014383	64.56834461	85.75214544	64.15561964	79.58789568	-0.197001243	0.366150038	0.145047
adiY	gi 49175990 ref NC_000913.2	-	4335191	4335952	68.73617849	90.3202317	32.0810176	63.82070403	82.4535588	0.356167781	0.776784397	0.3557147
adiA	gi 49175990 ref NC_000913.2	-	4336277	4338544	170.1045297	184.2921073	163.8868647	188.3677228	213.9957125	-0.110873187	0.146911798	0.0441955
melR	gi 49175990 ref NC_000913.2	-	4338743	4339651	141.9726274	140.5639565	186.630864	225.3460794	258.8079563	-0.672495762	2.165716652	1.3280853
melA	gi 49175990 ref NC_000913.2	+	4339934	4341289	111.6461246	112.0749093	481.9743863	488.4286622	271.0412305	-1.874300551	10.98077673	9.1190503
melB	gi 49175990 ref NC_000913.2	+	4341392	4342813	145.8765527	172.9304671	270.6582236	300.2392078	238.0547119	-0.780018157	2.824454428	1.8696785
yjdF	gi 49175990 ref NC_000913.2	-	4342952	4343581	83.85430259	65.45295906	95.20267343	87.47185752	82.00885174	-0.205628696	0.457074797	0.1911595
fumB	gi 49175990 ref NC_000913.2	-	4343703	4345349	180.0935173	163.3240928	519.6923588	666.2388208	272.3409316	-1.482725731	6.403464877	4.9608678
dcuB	gi 49175990 ref NC_000913.2	-	4345427	4346767	177.5614997	161.4255343	740.2420754	906.4487906	538.9985093	-2.089384444	15.27902946	12.991334
dcuR	gi 49175990 ref NC_000913.2	-	4347338	4348057	320.104697	299.1569242	375.9370424	457.1724205	390.465565	-0.393901947	1.119803751	0.5686948

dcuS	gi 49175990 ref NC_000913.2	-	4348054	4349685	520.326244	555.6659914	617.1131059	690.4347039	594.6665995	-0.248243571	0.541691353	0.233024
yjdl	gi 49175990 ref NC_000913.2	+	4349866	4350096	68.61005182	55.01788945	113.1063375	184.0121326	65.80008833	-0.946705182	2.542176237	1.6381255
yjdJ	gi 49175990 ref NC_000913.2	+	4350108	4350380	119.4004289	112.0498341	130.1471793	284.763372	136.220589	-0.679175371	1.564231262	0.8749619
yjdK	gi 49175990 ref NC_000913.2	+	4350607	4350903	150.9441956	142.4447662	143.0395524	162.7729167	238.3049182	-0.313299533	0.606227965	0.2683873
yjdO	gi 49175990 ref NC_000913.2	+	4350931	4351104	68.72793487	69.33475461	53.03106473	46.12555274	57.08745052	0.406718998	0.931333008	0.4525949
lysU	gi 49175990 ref NC_000913.2	-	4351223	4352740	7186.394696	7297.406873	6809.423273	5888.363901	5791.663828	0.238700199	0.512674363	0.2202171
yjdL	gi 49175990 ref NC_000913.2	-	4352977	4354434	101.2718808	113.0641834	72.52474528	100.7381404	99.68824497	0.208868836	0.486248763	0.2051216
cadA	gi 49175990 ref NC_000913.2	-	4354493	4356640	164.8255355	155.7422578	69.58292336	85.13200052	87.37500545	0.987944071	4.655024896	3.4289259
cadB	gi 49175990 ref NC_000913.2	-	4356720	4358054	84.95184981	92.15607542	33.12873469	36.85793918	27.09758751	1.441682834	7.266490027	5.7331066
cadC	gi 49175990 ref NC_000913.2	-	4358419	4359957	219.1341589	251.7555319	189.4986179	219.91339	306.764414	-0.053646146	0.020430305	0
yjdC	gi 49175990 ref NC_000913.2	-	4360756	4361331	719.1151046	761.7718533	822.9463094	719.7554597	589.2918849	0.06316453	0.106494033	0.0284416
dsbD	gi 49175990 ref NC_000913.2	-	4361368	4363065	601.5721367	557.5004215	618.077001	585.2934791	590.0708532	-0.031453166	0.071224447	0.0170551
cutA	gi 49175990 ref NC_000913.2	-	4363041	4363379	180.4035859	182.3640182	210.520542	227.2563005	144.0716607	-0.091747199	0.145116626	0.0434625
dcuA	gi 49175990 ref NC_000913.2	-	4363495	4364796	3759.614816	3618.760068	7574.864055	6879.317985	5893.903026	-0.863867722	3.651959323	2.5683842
aspA	gi 49175990 ref NC_000913.2	-	4364914	4366350	13693.49976	15644.41063	20117.36569	32571.00286	28598.48718	-0.924811262	3.147121092	2.1359972
fxsA	gi 49175990 ref NC_000913.2	+	4366687	4367163	199.4960181	235.6199753	269.037273	222.2493633	272.4453633	-0.244731175	0.468783739	0.1963434
yjeH	gi 49175990 ref NC_000913.2	-	4367179	4368435	176.2106911	173.8607974	174.7314816	166.9944505	142.6858759	-0.021076913	0.08723988	0.0222447
groS	gi 49175990 ref NC_000913.2	+	4368711	4369004	3262.979234	3173.303356	939.871012	873.7157924	1273.737504	1.642165249	11.24060259	9.3630819
groL	gi 49175990 ref NC_000913.2	+	4369048	4370694	12205.48415	12051.20094	2752.025151	2510.575995	3520.644199	2.047770819	17.2606585	14.796872
yjeI	gi 49175990 ref NC_000913.2	+	4370832	4371185	1027.801797	1048.597453	1579.673063	1521.317251	1300.357269	-0.495750993	1.570838072	0.8794782
yjeJ	gi 49175990 ref NC_000913.2	-	4371388	4372257	127.9355681	133.9368974	144.7983011	159.0929607	144.7736091	-0.1994763	0.372685421	0.1465864
yjeK	gi 49175990 ref NC_000913.2	-	4372652	4373680	513.7929809	587.0413408	385.4050633	423.8491087	489.9174452	0.318905305	0.965309299	0.4703393
efp	gi 49175990 ref NC_000913.2	+	4373722	4374288	2774.021927	3164.832893	1981.433092	1839.05527	2775.666065	0.406756462	1.146369741	0.5876079
ecnA	gi 49175990 ref NC_000913.2	+	4374340	4374465	113.7576915	133.0295941	106.2374001	94.39707834	123.1517648	0.172228701	0.372991563	0.146713
ecnB	gi 49175990 ref NC_000913.2	+	4374576	4374722	4889.931035	6399.960238	5043.186687	6831.16273	8797.090248	-0.347740674	0.563348548	0.2461331
sugE	gi 49175990 ref NC_000913.2	+	4374898	4375215	421.7460753	471.153071	479.9869278	473.0495563	414.125697	-0.041077159	0.043085688	0.0059267
blc	gi 49175990 ref NC_000913.2	-	4375212	4375745	545.6342172	570.8535154	579.5914763	589.6123291	509.472447	-0.006976905	0.000430392	0
ampC	gi 49175990 ref NC_000913.2	-	4375834	4376967	272.3990389	286.8614766	493.5523401	453.7966503	262.0743973	-0.517803437	1.383929591	0.7510399
frdD	gi 49175990 ref NC_000913.2	-	4377030	4377389	1447.475895	1452.259523	3761.332658	3735.207749	1924.617935	-1.100011728	4.201238047	3.0290742
frdC	gi 49175990 ref NC_000913.2	-	4377400	4377795	852.1994916	917.5489162	2552.911028	2655.493324	1365.969811	-1.30598504	5.634058751	4.2913161
frdB	gi 49175990 ref NC_000913.2	-	4377806	4378540	1963.809309	1875.852041	6212.212171	5362.087593	2435.178545	-1.249813759	4.667706907	3.4380037
frdA	gi 49175990 ref NC_000913.2	-	4378533	4380341	7624.297161	6525.122773	26098.20904	21777.90167	9453.921685	-1.382348025	5.067674309	3.7881737
yjeA	gi 49175990 ref NC_000913.2	+	4380666	4381643	488.7260806	530.0281039	334.3846972	341.9202136	330.9519287	0.589588736	2.308368791	1.4419641
yjeM	gi 49175990 ref NC_000913.2	+	4381862	4383364	148.3675944	113.8744334	166.4836959	185.0433176	216.221018	-0.503991085	1.479003812	0.8106008
yjeN	gi 49175990 ref NC_000913.2	+	4383416	4383730	50.70498494	44.60128799	50.61076858	41.76782917	66.9497055	-0.143879601	0.215391363	0.0745623
yjeO	gi 49175990 ref NC_000913.2	+	4383727	4384041	82.77950982	77.85955633	73.62259514	79.73809639	106.1966759	-0.109090692	0.160438574	0.0496823
yjeP	gi 49175990 ref NC_000913.2	-	4384070	4387393	1136.530063	1096.061388	1105.271601	983.5266282	1272.859991	-0.001293871	0.004381249	0
psd	gi 49175990 ref NC_000913.2	-	4387415	4388383	1453.556038	1557.720339	1204.864685	1302.662579	1211.535045	0.268265211	0.715816073	0.3189698
rsgA	gi 49175990 ref NC_000913.2	-	4388480	4389532	1390.650117	1409.522862	1489.884113	1512.378651	1429.174009	-0.078530423	0.13466799	0.04023
orn	gi 49175990 ref NC_000913.2	+	4389627	4390172	664.8519247	703.8329299	622.0733386	605.419906	582.2669737	0.176289217	0.409922164	0.1671417
yjeV	gi 49175990 ref NC_000913.2	+	4390915	4390968	64.25390291	66.49337701	35.39042656	50.4108052	59.1677285	0.415331676	0.953538006	0.4645752
queG	gi 49175990 ref NC_000913.2	-	4390951	4392090	1117.89857	1186.339017	1268.43218	1353.09982	1219.44371	-0.161424111	0.3121104	0.1218549
yjeF	gi 49175990 ref NC_000913.2	+	4392089	4393636	748.5512916	585.9188514	721.0315884	641.3126441	568.983191	0.094898678	0.09108604	0.023835
yjeE	gi 49175990 ref NC_000913.2	+	4393608	4394069	251.1485805	247.8910264	253.3944375	212.9289209	143.0202581	0.316452501	0.63373619	0.2838932
amiB	gi 49175990 ref NC_000913.2	+	4394088	4395425	968.6495579	943.14628	961.6892939	937.2677509	889.6421394	0.046853882	0.07178506	0.0170551
mutL	gi 49175990 ref NC_000913.2	+	4395435	4397282	1508.078653	1501.646112	1489.824885	1552.653029	1347.393296	0.042445868	0.070368286	0.0170551
miaA	gi 49175990 ref NC_000913.2	+	4397275	4398225	4778.302796	5117.614985	4688.579429	4600.077337	4583.436152	0.088809958	0.182858779	0.0583818
hfq	gi 49175990 ref NC_000913.2	+	4398311	4398619	4111.831804	4574.341319	4153.173747	4428.576067	4970.173981	-0.0785051	0.090302228	0.023835
hflX	gi 49175990 ref NC_000913.2	+	4398695	4399975	4539.557974	4339.663847	3975.543277	3624.651756	3191.603091	0.318255324	0.760836065	0.3462677
hflK	gi 49175990 ref NC_000913.2	+	4400061	4401320	4952.398773	4522.005676	4458.379035	3853.459294	3640.236968	0.272234057	0.574191699	0.2509583
hflC	gi 49175990 ref NC_000913.2	+	4401323	4402327	3729.860483	3689.059265	3170.646855	2777.290219	3203.563966	0.286852403	0.707613514	0.3175455
yjeT	gi 49175990 ref NC_000913.2	+	4402409	4402606	59.60864278	68.42606533	63.84001169	40.55869144	39.48617211	0.420045952	0.861512183	0.4069338
purA	gi 49175990 ref NC_000913.2	+	4402710	4404008	4143.689464	4224.767842	6230.874572	5330.028226	5132.124133	-0.404649435	1.111259634	0.5646786
nsrR	gi 49175990 ref NC_000913.2	+	4404213	4404638	823.6450547	773.1130345	901.8911023	880.052017	794.3656416	-0.092317292	0.200999123	0.0670463
rnr	gi 49175990 ref NC_000913.2	+	4404677	4407118	4484.303272	3973.950128	4881.609083	4578.64825	3637.052785	-0.019267776	0.069112796	0.0165853
rlmB	gi 49175990 ref NC_000913.2	+	4407298	4408029	736.9701609	738.9505737	662.2764859	685.0354207	713.3461645	0.100421071	0.207452395	0.0702944
yjfJ	gi 49175990 ref NC_000913.2	+	4408576	4409274	12.39975609	15.22104653	7.119879454	13.37133082	13.37771029	0.253953463	0.273926483	0.1020023

yjfK	gi 49175990 ref NC_000913.2	+	4409325	4409984	10.64140333	11.40121402	11.64061311	6.838457221	8.989110564	0.27572301	0.163756378	0.0518508
yjfL	gi 49175990 ref NC_000913.2	+	4410002	4410400	7.102866515	4.7176594	4.13409557	2.373102473	8.77781104	0.239383283	0.104412139	0.0277229
yjfM	gi 49175990 ref NC_000913.2	+	4410410	4411048	6.019621319	9.534957603	6.794720567	7.859212864	8.931663118	-0.0553319	0	0
yjfC	gi 49175990 ref NC_000913.2	+	4411051	4412214	55.47573867	56.03753929	44.36618647	62.54467804	51.64333882	0.066714903	0.103075878	0.0275684
aidB	gi 49175990 ref NC_000913.2	+	4412298	4413923	215.7332478	177.5314637	237.7271701	213.9802976	140.7595954	0.034157665	0.003699731	0
yjfN	gi 49175990 ref NC_000913.2	-	4414040	4414315	525.8702828	484.3624459	1259.700059	1758.476359	1183.787202	-1.467525305	8.750423785	7.0590548
bsmA	gi 49175990 ref NC_000913.2	-	4414464	4414793	1927.007124	1949.965	3985.455304	5383.587148	5772.107563	-1.39849431	7.71968235	6.1391517
yjfP	gi 49175990 ref NC_000913.2	+	4414975	4415724	199.1801276	211.8296009	230.5506127	231.9517965	189.8312199	-0.085130719	0.127395475	0.0373086
ulaR	gi 49175990 ref NC_000913.2	-	4415721	4416476	176.0565566	173.8060502	150.3771263	161.4900628	181.5309384	0.084870924	0.147908221	0.0446157
ulaG	gi 49175990 ref NC_000913.2	-	4416584	4417648	37.02161897	40.86302249	55.27703549	49.32311869	41.69528578	-0.325384973	0.60111695	0.2668653
ulaA	gi 49175990 ref NC_000913.2	+	4418003	4419400	46.05192828	45.58375134	65.99114779	57.25477567	57.28453019	-0.384377202	0.842415705	0.3956627
ulaB	gi 49175990 ref NC_000913.2	+	4419416	4419721	29.74466889	27.52325403	53.09448376	35.93220461	23.94610338	-0.36161262	0.570342909	0.2491116
ulaC	gi 49175990 ref NC_000913.2	+	4419731	4420195	27.14853209	16.05275921	31.65027265	28.07733949	28.09183116	-0.381386852	0.649261255	0.2905748
ulaD	gi 49175990 ref NC_000913.2	+	4420209	4420859	62.80132233	53.13531939	94.63018676	71.88075998	67.51642683	-0.394042065	0.966707668	0.4714042
ulaE	gi 49175990 ref NC_000913.2	+	4420869	4421723	65.56141846	66.48693992	97.69363544	102.8630089	62.14844885	-0.400470428	0.885759787	0.4222835
ulaF	gi 49175990 ref NC_000913.2	+	4421723	4424099	80.82762484	77.86765566	143.3494986	98.88494022	97.83167859	-0.491020027	1.383688126	0.7510399
yjfY	gi 49175990 ref NC_000913.2	-	4422539	4422814	28.05083489	34.2351598	20.79326111	37.91853826	35.76851796	-0.055851102	0	0
rpsF	gi 49175990 ref NC_000913.2	+	4423141	4423536	6151.365652	6582.224295	4063.679254	4443.395343	6755.405132	0.298175585	0.721025669	0.3222318
priB	gi 49175990 ref NC_000913.2	+	4423543	4423857	2994.582284	3099.248182	2056.17027	2174.193763	3225.390989	0.275655158	0.644178406	0.287602
rpsR	gi 49175990 ref NC_000913.2	+	4423862	4424089	2893.912516	2760.125919	1881.423022	2115.935591	3416.991506	0.182337057	0.351749307	0.1397671
rpII	gi 49175990 ref NC_000913.2	+	4424131	4424580	4708.297757	4991.284996	3239.682066	3433.263477	5241.08674	0.265558493	0.624575346	0.2789898
yjfZ	gi 49175990 ref NC_000913.2	-	4424651	4425445	72.6107279	70.27104589	28.97872961	39.40834344	66.68182919	0.647136356	1.587013862	0.8893215
ytfB	gi 49175990 ref NC_000913.2	-	4426102	4426740	382.2165263	398.9359867	498.5669389	463.0918047	459.9846832	-0.280761016	0.690359077	0.3092004
fkIB	gi 49175990 ref NC_000913.2	+	4426958	4427578	1115.740717	1065.662876	1028.03607	894.9084493	1063.256564	0.141036848	0.267431224	0.0984259
cycA	gi 49175990 ref NC_000913.2	+	4427887	4429299	562.9428284	543.2717821	451.7071435	534.6591328	523.7708354	0.133222595	0.280730723	0.1060234
ytfE	gi 49175990 ref NC_000913.2	-	4429344	4430006	163.2149712	173.8369155	216.9486566	153.987015	208.4930501	-0.1957933	0.366863886	0.145076
ytfF	gi 49175990 ref NC_000913.2	-	4430114	4431079	180.1910359	195.6911736	198.6278898	160.5775383	193.9670927	0.022293262	0.042821391	0.0058947
qorB	gi 49175990 ref NC_000913.2	-	4431187	4432047	89.12968214	82.6001297	93.86015291	72.02579915	94.09334169	0.602077171	0.00269874	0
ytfH	gi 49175990 ref NC_000913.2	+	4432136	4432516	72.12913311	85.53708378	75.91183226	89.53307334	77.47855692	-0.062967294	0.039135044	0.004293
cpdB	gi 49175990 ref NC_000913.2	-	4432645	4434588	449.3210959	438.7980759	430.2855956	473.0822274	483.377307	-0.059692679	0.097329944	0.0262976
cysQ	gi 49175990 ref NC_000913.2	+	4434778	4435518	476.558504	451.1315401	515.4376711	470.8499315	400.7527106	0.02106267	0.008980711	0
ytfI	gi 49175990 ref NC_000913.2	+	4435730	4436668	21.05852852	27.5950554	14.23187086	33.34618121	27.96001357	-0.100717867	0.000768947	0
ytfJ	gi 49175990 ref NC_000913.2	-	4436731	4437285	226.0965522	209.8730197	251.114502	267.961205	283.6839928	-0.28999928	0.704096228	0.3153531
ytfK	gi 49175990 ref NC_000913.2	+	4437610	4437816	2662.050161	2750.666468	1469.00449	2337.229078	2265.630072	0.393263848	1.05817998	0.5287486
ytfL	gi 49175990 ref NC_000913.2	-	4437895	4439238	701.6559059	699.0554957	475.6159492	535.523478	618.8416959	0.387334565	1.132544391	0.5768599
msrA	gi 49175990 ref NC_000913.2	-	4439561	4440199	565.3367183	567.0347714	551.7614145	599.5532882	454.6360916	0.082818976	0.148094876	0.0446157
ytfM	gi 49175990 ref NC_000913.2	+	4440405	4442138	985.3177465	889.9218167	813.2683225	826.2420896	784.1683356	0.229804616	0.504058427	0.2147057
ytfN	gi 49175990 ref NC_000913.2	+	4442135	4445914	2445.776831	2415.361019	2300.572882	2431.641377	2177.422275	0.079365683	0.140493135	0.0419272
ytfP	gi 49175990 ref NC_000913.2	+	4445917	4446258	446.4619977	482.5357035	375.1961265	469.7203768	532.477588	-0.007766669	0.028483699	0.0017411
chpS	gi 49175990 ref NC_000913.2	+	4446470	4446721	88.3033569	68.29830854	127.0108556	91.95712122	60.00227994	-0.192687421	0.406213005	0.1653288
chpB	gi 49175990 ref NC_000913.2	+	4446715	4447065	99.09500786	96.86833462	131.1966745	100.886797	66.70942262	0.000782125	0.020583896	0
ppa	gi 49175990 ref NC_000913.2	-	4447145	4447675	7187.586113	8920.73438	6410.357637	6782.046412	9451.12306	0.050399962	0.157021233	0.0487535
ytfQ	gi 49175990 ref NC_000913.2	+	4447985	4448941	76.03927909	65.48476607	64.67183696	114.890836	74.24069155	-0.255017108	0.437165511	0.1786609
ytfR	gi 49175990 ref NC_000913.2	+	4449081	4450583	98.74723605	86.3819026	119.461271	117.765831	123.3539003	-0.359992976	0.952915213	0.4645752
ytfT	gi 49175990 ref NC_000913.2	+	4450594	4451619	44.9964094	55.14394228	66.89569845	50.57294934	48.40833378	-0.152313373	0.203337538	0.0682219
yjfF	gi 49175990 ref NC_000913.2	+	4451606	4452601	76.60556512	88.37768598	134.1425426	152.2847183	125.7973699	-0.75421776	2.603569699	1.6873822
fbp	gi 49175990 ref NC_000913.2	-	4452634	4453632	1206.186566	1299.373897	743.0638694	687.4611709	825.3828883	0.72478209	3.165804369	2.1524871
mpl	gi 49175990 ref NC_000913.2	+	4453808	4455181	1233.746149	1175.83996	1288.978435	1120.133655	1107.287276	0.054262626	0.071574068	0.0170551
yjgA	gi 49175990 ref NC_000913.2	-	4455337	4455888	691.8308959	766.5421165	696.7809396	696.3253223	778.3221929	-0.00694854	0.019970903	0
pmbA	gi 49175990 ref NC_000913.2	+	4455982	4457334	942.2493977	890.8929163	1115.935933	894.7864942	803.4895371	-0.010811977	0.049099035	0.0081378
nrdG	gi 49175990 ref NC_000913.2	-	4457923	4458387	527.1333362	586.0788107	966.435652	833.0887282	778.7027788	-0.631932251	0.377007068	1.5010919
nrdD	gi 49175990 ref NC_000913.2	-	4458545	4460683	3093.316451	2944.388414	4824.704629	4430.757119	3950.994337	-0.529565476	1.752818644	1.0202756
treC	gi 49175990 ref NC_000913.2	-	4461077	4462732	12197.82764	12330.45708	20330.23341	16913.83176	19325.18529	-0.616017652	2.014551966	1.2094582
treB	gi 49175990 ref NC_000913.2	-	4462782	4464203	21019.25126	21144.70764	29308.59897	24977.18009	32613.00147	-0.458262528	1.224680167	0.6392514
treR	gi 49175990 ref NC_000913.2	-	4464322	4465269	188.0068245	188.0585741	145.8054431	191.7122739	232.8785933	-0.032547951	0.013540749	0
mgtL	gi 49175990 ref NC_000913.2	+	4465454	4465507	2025.061056	2286.251613	1498.300183	1962.18441	2902.154679	-0.016708364	0.036338243	0.0036811
mgtA	gi 49175990 ref NC_000913.2	+	4465648	4468344	1193.395759	1126.445228	805.0085681	709.8476195	772.8542004	0.617583994	2.307266368	1.4416449

yjgF	gi 49175990 ref NC_000913.2	-	4468550	4468936	3448.481657	3365.166965	3650.290653	3653.983189	4493.334007	-0.20904569	0.435390243	0.1778513
pyrI	gi 49175990 ref NC_000913.2	-	4469009	4469470	95.98047864	117.8489646	90.58752385	104.1746019	99.81765658	0.091847166	0.209230929	0.0711947
pyrB	gi 49175990 ref NC_000913.2	-	4469483	4470418	142.2163435	129.1330362	134.920777	134.39296	102.3878438	0.149701353	0.238907358	0.0858143
pyrL	gi 49175990 ref NC_000913.2	-	4470422	4470556	44.33937888	39.85972407	46.38814564	49.23223961	40.52383926	-0.093951632	0.134726674	0.04023
yjgH	gi 49175990 ref NC_000913.2	-	4470837	4471232	65.01051324	63.62625438	38.48724832	81.38353068	64.99916318	0.040423062	0.076158197	0.0184999
yjgI	gi 49175990 ref NC_000913.2	-	4471363	4472076	105.7567294	114.9540366	74.68113231	68.64577668	101.6856137	0.0418034834	1.115202382	0.5667635
yjgJ	gi 49175990 ref NC_000913.2	+	4472147	4472740	85.92351811	104.5460048	68.62474887	99.58968188	97.43871375	0.065725898	0.168267822	0.052933
tabA	gi 49175990 ref NC_000913.2	+	4472885	4473337	322.5128337	312.469934	441.1613619	562.5378402	491.3610398	-0.654501272	2.387794607	1.508745
yjgL	gi 49175990 ref NC_000913.2	+	4473460	4475274	23.52921414	31.40236019	15.37295959	30.04592414	25.74086925	0.162369304	0.252745848	0.0921555
argI	gi 49175990 ref NC_000913.2	-	4475330	4476334	51.63593422	38.86275711	45.8903071	39.2373713	31.6262961	0.259410237	0.338204096	0.1334652
rraB	gi 49175990 ref NC_000913.2	+	4476496	4476912	2038.531281	2160.845695	2812.361157	3767.893279	3522.146621	-0.702680973	2.481045682	1.5862986
yjgM	gi 49175990 ref NC_000913.2	-	4477057	4477560	105.320024	106.3782782	68.09882058	78.43653139	80.67458227	0.475126714	1.399345074	0.7607065
yjgN	gi 49175990 ref NC_000913.2	+	4477753	4478949	14.7931162	10.40041227	14.18146858	7.976171785	10.13114321	0.274285702	0.17201573	0.0541629
valS	gi 49175990 ref NC_000913.2	-	4479005	4481860	4595.209748	4244.666197	3379.20614	3157.308997	3624.166554	0.395348527	1.090532803	0.5531888
holC	gi 49175990 ref NC_000913.2	-	4481860	4482303	549.6465199	537.5790407	439.3383568	430.6323796	486.6746346	0.266605869	0.679955127	0.304558
pepA	gi 49175990 ref NC_000913.2	-	4482463	4483974	2649.225371	2428.622769	2057.196833	1799.550699	1798.255901	0.449253969	1.232561309	0.644367
lptF	gi 49175990 ref NC_000913.2	+	4484241	4485341	1372.114578	1243.252786	1646.629503	1409.252568	1107.609866	-0.057261449	0.142789407	0.0427363
lptG	gi 49175990 ref NC_000913.2	+	4485341	4486423	1494.900607	1457.944872	1308.178281	1350.914325	1266.521496	0.177734003	0.377296993	0.1485519
yjgR	gi 49175990 ref NC_000913.2	-	4486584	4488086	354.7115909	341.9117171	365.1034108	340.6025614	214.8520798	0.20195251	0.347525663	0.137458
idnR	gi 49175990 ref NC_000913.2	-	4488164	4489162	73.01189261	77.9019426	71.63358113	70.64907008	70.68553054	0.081372312	0.134442066	0.0401366
idnT	gi 49175990 ref NC_000913.2	-	4489229	4490548	175.3323238	221.4002905	230.9556293	253.2242899	218.8806122	-0.272645664	0.500725172	0.2134435
idnO	gi 49175990 ref NC_000913.2	-	4490610	4491374	25.67317194	17.97876426	25.57327942	35.67067304	27.01429043	-0.400688662	0.685778966	0.3075159
idnD	gi 49175990 ref NC_000913.2	-	4491398	4492429	18.93461337	9.407256861	12.45122955	21.14795952	17.93085663	-0.228671629	0.253501354	0.0923968
idnK	gi 49175990 ref NC_000913.2	+	4492646	4493209	22.24261151	30.45662022	38.87347456	50.28203208	42.67349106	-0.773672983	1.787268244	1.0436412
yjgB	gi 49175990 ref NC_000913.2	-	4493213	4494232	682.4305731	616.3768056	833.5215929	665.0057324	649.6986617	-0.114033452	0.276633055	0.1038347
insC	gi 49175990 ref NC_000913.2	+	4496295	4496660	805.513716	865.3081075	883.4699259	799.5465132	901.7775941	-0.052716823	0.073752017	0.0175681
insD	gi 49175990 ref NC_000913.2	+	4496618	4497523	1317.803837	1209.065452	1208.312754	1148.050054	1070.287223	0.162283854	0.306735967	0.1187544
yjgZ	gi 49175990 ref NC_000913.2	+	4499283	4499612	16.26050681	18.05881399	9.567001512	10.17205274	15.53723763	0.525345414	0.696483255	0.3105837
insG	gi 49175990 ref NC_000913.2	-	4500126	4501454	210.6271175	267.9469134	213.7987448	211.9856623	236.5511583	0.081211751	0.211026795	0.0721266
yjhB	gi 49175990 ref NC_000913.2	+	4502081	4503298	20.18766657	31.43306955	18.03790267	44.20276393	18.24533306	-0.119710273	0.008205033	0
yjhC	gi 49175990 ref NC_000913.2	+	4503310	4504428	78.13406311	80.74080628	48.26124131	146.8936032	74.32555725	-0.212609437	0.20608048	0.069361
insI	gi 49175990 ref NC_000913.2	-	4505489	4506640	134.4727751	162.4893617	123.2025778	213.4935204	143.7852165	-0.150208981	0.155398942	0.0487535
fecE	gi 49175990 ref NC_000913.2	-	4508713	4509480	489.1347546	469.1838642	139.5014627	133.556369	160.2120257	1.733142987	13.94574669	11.767196
fecD	gi 49175990 ref NC_000913.2	-	4509481	4510437	428.6180639	403.6388251	112.5538523	161.2584837	163.5556698	1.504994201	10.10650925	8.2819247
fecC	gi 49175990 ref NC_000913.2	-	4510434	4511432	605.1380138	598.3719841	167.1796532	223.1361887	284.3803764	1.402573877	8.749891149	7.0590548
fecB	gi 49175990 ref NC_000913.2	-	4511429	4512331	849.8782292	862.4317512	316.2602405	348.666254	371.1440118	1.30128974	9.422755153	7.6701732
fecA	gi 49175990 ref NC_000913.2	-	4512376	4514700	3408.789542	3270.177577	1231.630835	1443.823458	1281.096258	1.341172702	8.49477123	6.8342468
fecR	gi 49175990 ref NC_000913.2	-	4514787	4515740	126.70671	131.0828055	47.01144296	57.15292087	62.65234971	1.197966567	6.33423266	4.8975045
fecl	gi 49175990 ref NC_000913.2	-	4515737	4516258	241.611004	244.1017527	122.6669027	121.3282652	174.5227397	0.789752465	3.102189961	2.0997306
insA	gi 49175990 ref NC_000913.2	+	4516550	4516825	283.4900879	324.8917597	361.3531123	352.2675647	465.1232546	-0.393782212	0.964496578	0.4698598
yjhU	gi 49175990 ref NC_000913.2	-	4517361	4518347	898.7359462	843.3988897	1021.504366	1061.604871	932.3344662	-0.196227117	0.452950352	0.1880174
yjhF	gi 49175990 ref NC_000913.2	-	4518694	4520043	109.9821356	128.2790507	86.93637195	100.9417176	119.7449163	0.186514246	0.433914397	0.1772001
yjhG	gi 49175990 ref NC_000913.2	-	4520150	4522117	325.2150244	362.872894	366.3596582	362.2212577	401.4484793	-0.147787075	0.2504202	0.0911061
yjhH	gi 49175990 ref NC_000913.2	-	4522128	4523033	78.39865975	94.0912437	85.33170165	104.0937525	92.02524184	-0.149373909	0.19770009	0.0651964
yjhI	gi 49175990 ref NC_000913.2	-	4523038	4523826	12.07617649	10.42636026	10.87606116	15.58777481	12.37609656	-0.19200601	0.17735643	0.0561337
sgcR	gi 49175990 ref NC_000913.2	-	4524129	4524911	89.10043084	83.55696931	119.503631	117.7818593	126.6868359	-0.483149363	1.427406386	0.7760559
sgcE	gi 49175990 ref NC_000913.2	-	4524928	4525560	49.42064447	59.89172033	47.59902355	37.21633222	50.33719348	0.260321538	0.499396611	0.2127343
sgcA	gi 49175990 ref NC_000913.2	-	4525572	4526003	53.877914	63.68479731	54.30037096	49.41756485	53.81900707	0.145826319	0.263213338	0.0969652
sgcQ	gi 49175990 ref NC_000913.2	-	4526134	4526940	576.6725264	483.3704667	581.7071777	683.7722312	668.4809477	-0.265268868	0.67812442	0.3037385
sgcC	gi 49175990 ref NC_000913.2	-	4526953	4528266	71.24146983	72.18566684	76.77011784	81.67048412	60.83146769	-0.025128906	0.027390346	0.0014853
sgcB	gi 49175990 ref NC_000913.2	-	4528278	4528556	20.4572712	40.04269407	43.6128082	37.12020396	42.59122707	-0.507102607	0.782107569	0.3591495
sgcX	gi 49175990 ref NC_000913.2	-	4528553	4529674	99.59597175	130.2220339	145.9878426	136.9108138	156.9203287	-0.38543771	0.854172082	0.4008068
yjhP	gi 49175990 ref NC_000913.2	-	4530460	4531206	187.0134214	170.9254311	368.2717843	311.828294	323.1398601	-0.881951646	3.991107644	2.8435912
yjhQ	gi 49175990 ref NC_000913.2	-	4531262	4531807	98.31945224	101.6375756	166.3118993	163.8881712	216.1321933	-0.874450159	3.309824667	2.688112
yjhX	gi 49175990 ref NC_000913.2	-	4531819	4532076	176.3861775	192.8444237	254.0924094	245.8434175	367.3532398	-0.667339205	2.034810421	1.2249254
nanS	gi 49175990 ref NC_000913.2	-	4534637	4535617	98.8211285	107.3548056	88.22551067	124.1002431	96.58594599	-0.018109866	0	0
nanM	gi 49175990 ref NC_000913.2	-	4535682	4536788	71.05586549	77.91101888	38.24060047	76.82545468	51.71047912	0.390848691	0.882317978	0.4191516

nanC	gi 49175990 ref NC_000913.2	-	4536808	4537524	36.97735679	41.81936673	23.4951494	47.8194502	34.80807565	0.122366409	0.201446726	0.0672035
fimB	gi 49175990 ref NC_000913.2	+	4538980	4539582	111.9620599	126.3667816	31.87279374	64.76261003	64.79469387	1.10444583	4.635410646	3.4111025
fimE	gi 49175990 ref NC_000913.2	+	4540060	4540656	28.97863221	42.835778	40.38855705	40.57871305	64.62387097	-0.485516239	0.786996499	0.3620573
fimA	gi 49175990 ref NC_000913.2	+	4541138	4541686	349.9498749	375.2026552	557.9753467	586.5419082	765.6887283	-0.831181818	3.401864009	2.3542425
fimI	gi 49175990 ref NC_000913.2	+	4541751	4542290	97.20303396	94.96856339	97.79307079	142.1019827	126.7028935	-0.357040303	0.798382617	0.36802
fimC	gi 49175990 ref NC_000913.2	+	4542327	4543052	54.92386369	38.84586378	48.78375158	68.36574845	82.6549475	-0.484365879	1.073317621	0.5396795
fimD	gi 49175990 ref NC_000913.2	+	4543119	4545755	109.2552994	132.0923828	147.7056145	133.7366393	201.4279251	-0.445172864	0.988298737	0.484235
fimF	gi 49175990 ref NC_000913.2	+	4545765	4546295	17.80927891	15.16800662	33.03409682	30.30970964	30.32530833	-0.896510354	2.085763843	1.2661346
fimG	gi 49175990 ref NC_000913.2	+	4546308	4546811	29.13364241	26.5706416	28.13949625	25.96019945	38.99755976	-0.149860713	0.195016178	0.0639399
fimH	gi 49175990 ref NC_000913.2	+	4546831	4547733	104.3567786	93.98974761	109.9813182	96.58076708	112.0868761	-0.08301383	0.153825195	0.0483816
gntP	gi 49175990 ref NC_000913.2	-	4547976	4549319	89.79330466	105.4833677	98.25191529	85.44538566	114.1680305	-0.044574657	0.027564564	0.0014853
uxuA	gi 49175990 ref NC_000913.2	+	4549659	4550843	482.7201085	477.7463634	700.7596559	717.5738377	764.9170029	-0.600895211	2.2053742	1.3573876
uxuB	gi 49175990 ref NC_000913.2	+	4550924	4552384	465.5174022	400.7495799	808.6892423	713.1162981	675.4663998	-0.728981818	3.12247315	2.1135316
uxuR	gi 49175990 ref NC_000913.2	+	4552599	4553372	395.1134212	378.9519955	406.4482549	363.1990858	289.7864322	0.149306012	0.253108199	0.0923635
yjiC	gi 49175990 ref NC_000913.2	-	4553513	4554343	7.617072802	6.63295969	2.973194446	2.386602636	10.91731625	0.378728219	0.22269706	0.0773895
iraD	gi 49175990 ref NC_000913.2	+	4555016	4555408	62.50003842	60.77491817	141.317891	165.9061348	181.51152	-1.406331028	7.738103244	6.1534947
qseD	gi 49175990 ref NC_000913.2	-	4555401	4556312	198.98216	183.2757326	176.8888618	179.519436	219.5825589	-0.001028913	0.003072255	0
iadA	gi 49175990 ref NC_000913.2	-	4556377	4557549	323.3545919	293.4453838	286.6272828	275.8985003	301.6574898	0.111451387	0.185357904	0.0597433
yjiG	gi 49175990 ref NC_000913.2	-	4557562	4558023	106.6143072	106.3737801	93.45203955	92.17171769	134.1577037	-0.009051798	0	0
yjiH	gi 49175990 ref NC_000913.2	-	4558020	4558703	26.21231563	19.89025744	27.3168045	12.65588273	25.65803448	0.11631513	0.042449697	0.005706
kptA	gi 49175990 ref NC_000913.2	+	4558953	4559507	141.2143873	116.7510973	145.476562	220.3569875	158.3542739	-0.425254993	1.055780128	0.5279327
yjiJ	gi 49175990 ref NC_000913.2	-	4559520	4560698	131.8243103	132.9727075	128.0693828	186.7504167	131.4672652	-0.17867313	0.2938818	0.113293
yjiK	gi 49175990 ref NC_000913.2	-	4560766	4561626	108.4637461	86.34895799	128.2343477	83.44299578	137.6514003	-0.222072607	0.483221013	0.2031111
yjiL	gi 49175990 ref NC_000913.2	-	4561945	4562712	74.4386384	70.4793736	272.0612933	141.7087245	142.895609	-1.285697636	5.044076752	3.7706221
yjiM	gi 49175990 ref NC_000913.2	-	4562722	4563873	227.1446491	226.0488948	944.4791434	491.597042	526.5229007	-1.494293615	7.651032094	6.0745414
yjiN	gi 49175990 ref NC_000913.2	-	4563989	4565269	331.3088725	324.8226588	311.6701209	328.3379188	272.8042174	0.113243043	0.203933289	0.0682219
mdtM	gi 49175990 ref NC_000913.2	-	4565310	4566542	127.1917087	138.7019529	202.1599427	173.7882558	146.1339234	-0.387618115	0.939641797	0.4570396
yjiR	gi 49175990 ref NC_000913.2	-	4568185	4569597	127.0771071	114.8851518	117.3843009	92.09802553	95.45769613	0.274653947	0.537344258	0.2313891
mcrC	gi 49175990 ref NC_000913.2	-	4574935	4575981	44.24820612	41.77195579	30.28640749	73.2208457	35.07990246	-0.117698557	0.091000959	0.023835
mcrB	gi 49175990 ref NC_000913.2	-	4575981	4577360	172.2423632	212.842363	107.8302933	213.5947657	178.2352807	0.15570148	0.369733016	0.1454249
symE	gi 49175990 ref NC_000913.2	-	4577522	4577863	28.91736036	30.4007375	31.30165678	54.56600707	39.34383903	-0.510683682	0.913475544	0.4415479
hsdS	gi 49175990 ref NC_000913.2	-	4578091	4579485	178.8275297	162.3748106	164.0914586	251.7173369	178.5590027	-0.215204688	0.399512422	0.1609792
hsdM	gi 49175990 ref NC_000913.2	-	4579482	4581071	505.1791197	447.3023353	555.5453815	573.8161973	437.8325311	-0.11166835	0.253730515	0.0923968
hsdR	gi 49175990 ref NC_000913.2	-	4581272	4584784	2289.934202	2251.991388	3129.238049	2881.357082	2656.462272	-0.338351603	0.872171905	0.4137582
mrr	gi 49175990 ref NC_000913.2	+	4584972	4585886	410.953223	386.5417745	490.1762311	385.9264962	431.8974489	-0.110849518	0.246332906	0.0901954
yjiA	gi 49175990 ref NC_000913.2	-	4585932	4586888	1258.35447	1199.585355	2252.695135	1613.617591	1661.522499	-0.56002397	1.821539904	1.0659315
yjiX	gi 49175990 ref NC_000913.2	-	4586899	4587102	638.6901758	611.6545815	987.9270059	661.7809829	646.4688296	-0.263366264	0.663853461	0.297721
yjiY	gi 49175990 ref NC_000913.2	-	4587152	4589302	16287.64439	15177.95313	22910.65991	14969.89789	15658.58002	-0.149224772	0.321315331	0.1253096
tsr	gi 49175990 ref NC_000913.2	+	4589680	4591335	2078.168875	1904.32665	4199.332324	3344.540569	3221.865977	-0.823832793	3.568097784	2.4972595
yjiL	gi 49175990 ref NC_000913.2	-	4591384	4592745	615.0606468	640.1875138	1056.045762	1006.884216	1077.928538	-0.743054175	3.114059608	2.1094502
yjiM	gi 49175990 ref NC_000913.2	-	4592960	4593874	114.3058337	137.7908077	187.8492659	203.0861545	267.6518549	-0.834239936	2.873949974	1.9121685
yjiN	gi 49175990 ref NC_000913.2	+	4594013	4595035	48.34395658	72.30841353	66.95305006	70.79165616	97.21202865	-0.432474853	0.74909462	0.3400307
opxB	gi 49175990 ref NC_000913.2	-	4595173	4597464	1483.174718	1607.115915	842.1368435	890.4544751	1284.858364	0.595344233	2.158641553	1.3239734
yjiA	gi 49175990 ref NC_000913.2	-	4597718	4598212	310.6682605	350.5301681	196.3713186	282.3821571	308.1203872	0.298817652	0.799403555	0.3684661
dnaC	gi 49175990 ref NC_000913.2	-	4598261	4598998	359.2716662	331.4445496	286.831666	304.9225104	306.1955532	0.214510031	0.460867949	0.1934841
dnaT	gi 49175990 ref NC_000913.2	-	4599001	4599540	267.962117	284.0148304	255.15158	290.2707999	279.2893852	-0.007386092	0.008162709	0
yjiB	gi 49175990 ref NC_000913.2	-	4599647	4600120	60.39640874	64.6040675	69.57778602	48.4399025	56.1393432	0.111523793	0.152690678	0.0474193
yjiP	gi 49175990 ref NC_000913.2	-	4600111	4600881	137.4503918	176.7628735	210.7617232	186.2763256	210.8149607	-0.396842076	0.904540671	0.4351343
yjiQ	gi 49175990 ref NC_000913.2	+	4601500	4602225	20.20443108	10.35573046	7.019674645	6.880970246	16.51749777	0.631042947	0.676496211	0.3033725
bgjJ	gi 49175990 ref NC_000913.2	+	4602183	4602860	128.9189793	93.91415538	82.77383513	88.66383003	108.5430847	0.287295221	0.520343163	0.2226061
fhuF	gi 49175990 ref NC_000913.2	-	4602898	4603686	513.975591	555.6716855	178.3336524	152.9172956	264.0567535	1.4111757892	0.8642475332	6.9670594
yjiZ	gi 49175990 ref NC_000913.2	+	4603827	4604063	307.6414036	333.4153799	179.7134268	219.5844887	207.4807945	0.645029201	2.515141627	1.6178769
rsmC	gi 49175990 ref NC_000913.2	-	4604692	4605723	632.0424269	668.6895388	443.8825985	476.6317905	604.1980081	0.338246857	0.952601582	0.4645752
holD	gi 49175990 ref NC_000913.2	+	4605826	4606239	681.1077116	739.9379739	462.4155932	492.3277379	619.9192579	0.416204167	1.301171894	0.694718
rimI	gi 49175990 ref NC_000913.2	+	4606208	4606654	501.8343525	470.1229849	289.8634048	326.2602943	360.9765429	0.57828668	2.092737756	1.2724026
yjiG	gi 49175990 ref NC_000913.2	+	4606669	4607346	648.4683569	681.9841355	496.4613395	522.4429764	533.8860432	0.351812453	1.030508747	0.5157637
prfC	gi 49175990 ref NC_000913.2	+	4607437	4609026	1508.749234	1485.493936	1071.085952	1084.276807	1279.634025	0.384129989	1.119285351	0.5685556

osmY	gi 49175990 ref NC_000913.2	+	4609419	4610024	1803.015594	1668.778162	1058.728126	1266.431511	838.3963746	0.730403129	2.778815815	1.8336062
ytjA	gi 49175990 ref NC_000913.2	+	4610151	4610312	766.6757311	757.9401987	722.7152126	682.7794314	636.1777022	0.170053765	0.360242252	0.1424431
yjjU	gi 49175990 ref NC_000913.2	+	4610434	4611507	161.7604639	148.1316111	234.5535493	199.3639605	107.290932	-0.186398397	0.355853423	0.1411458
yjjV	gi 49175990 ref NC_000913.2	+	4611504	4612283	125.2348608	111.0790988	240.408246	205.1330988	156.3476913	-0.733630172	2.533190942	1.6315256
yjjW	gi 49175990 ref NC_000913.2	-	4612703	4613566	762.34867	734.1827217	2141.422146	1773.680371	1453.076926	-1.23704565	6.783098101	5.2937576
yjJI	gi 49175990 ref NC_000913.2	-	4613538	4615088	1968.030151	1987.006577	5154.868297	4658.325352	3932.013344	-1.203744506	6.541704408	5.0748048
deoC	gi 49175990 ref NC_000913.2	+	4615346	4616125	1227.123548	1068.469147	2623.761744	2526.9695	2120.373327	-1.052195831	5.035897054	3.7664268
deoA	gi 49175990 ref NC_000913.2	+	4616252	4617574	2614.102191	2258.578584	5610.938943	4884.784242	3844.636899	-0.937769207	4.194345411	3.0269108
deoB	gi 49175990 ref NC_000913.2	+	4617626	4618849	4057.274426	4099.388285	6432.423218	4990.494272	5549.273404	-0.462872489	1.349362518	0.7302308
deoD	gi 49175990 ref NC_000913.2	+	4618906	4619625	5638.408975	5952.492468	8253.619889	6562.543803	10126.49284	-0.529039739	1.42304976	0.7750308
yjjJ	gi 49175990 ref NC_000913.2	+	4619792	4621123	521.5678208	560.4179081	505.8732024	562.729076	549.6181687	-0.010513444	0.008543466	0
lplA	gi 49175990 ref NC_000913.2	-	4621124	4622140	393.7506203	389.4136159	368.1125643	291.7246654	318.6302529	0.274927775	0.641984271	0.286746
ytjB	gi 49175990 ref NC_000913.2	-	4622168	4622812	184.3735927	216.6206768	214.3303016	190.616293	170.7247572	0.050227862	0.101079428	0.0266333
serB	gi 49175990 ref NC_000913.2	+	4622918	4623886	421.4025102	431.2207337	353.4169276	288.2766206	282.856203	0.475792627	1.484707667	0.8131626
radA	gi 49175990 ref NC_000913.2	+	4623935	4625317	573.2397164	521.3992394	492.8296088	400.442429	421.8628645	0.342863347	0.875234123	0.4151544
nadR	gi 49175990 ref NC_000913.2	+	4625338	4626570	667.8218155	620.1887485	609.6076791	571.6858185	454.6684245	0.259342361	0.549789578	0.2376357
yjjK	gi 49175990 ref NC_000913.2	-	4626878	4628545	2845.285741	2743.98444	1885.484648	1825.371644	2117.631676	0.527455258	1.676380433	0.9624408
slt	gi 49175990 ref NC_000913.2	+	4628756	4630693	1076.314543	936.4452396	961.6790763	923.8431282	898.5908634	0.139444308	0.231727919	0.0820292
trpR	gi 49175990 ref NC_000913.2	+	4630783	4631109	253.2538912	285.9421073	174.5060315	194.0361328	234.1185385	0.398376064	1.173378801	0.6044621
yjjX	gi 49175990 ref NC_000913.2	-	4631256	4631768	337.9401263	364.7576443	281.5315408	264.8043744	336.2255086	0.242498977	0.602773628	0.2674799
ytjC	gi 49175990 ref NC_000913.2	+	4631820	4632467	627.5351836	681.9995234	650.5947742	758.8587095	711.1761747	-0.12827823	0.211158571	0.0721266
rob	gi 49175990 ref NC_000913.2	-	4632464	4633333	2539.543729	2693.690495	3429.568337	3482.2336	3313.677561	-0.38945788	1.069889382	0.5369793
creA	gi 49175990 ref NC_000913.2	+	4633544	4634017	190.5256453	190.9087261	153.9802062	164.707673	148.1686223	0.292517973	0.683238648	0.3060663
creB	gi 49175990 ref NC_000913.2	+	4634030	4634719	238.5522558	233.6405993	211.1252314	166.0133323	141.6829532	0.467601948	1.20443418	0.6233323
creC	gi 49175990 ref NC_000913.2	+	4634719	4636143	270.8770316	253.567194	221.3266825	223.0032773	188.6680123	0.326090122	0.779162344	0.3573323
creD	gi 49175990 ref NC_000913.2	+	4636201	4637553	77.44840459	62.61590918	74.0627184	68.42350806	66.26235545	0.03908007	0.000801746	0
arcA	gi 49175990 ref NC_000913.2	-	4637613	4638329	4171.179454	3849.544118	4107.847723	4060.925507	4741.336618	-0.093679854	0.179410265	0.0569389
yjjY	gi 49175990 ref NC_000913.2	+	4638425	4638565	1753.941832	1863.555684	1932.716812	2132.597657	2847.523232	-0.370491432	0.808293151	0.3721476
yjID	gi 49175990 ref NC_000913.2	+	4638965	4639651	93.13258096	60.6485134	78.8846816	119.44613	75.44421561	-0.205731418	0.418229974	0.1710597