

**Table S4. The differentially expressed proteins between *E. coli* BW25113 carrying M6 and WT MCR-1**

<b>Protein_ID</b>	<b>Fc.value</b>	<b>P.value</b>	<b>gene</b>
WP_000830741.1	8.87473	1.2E-48	<i>ampH</i>
WP_000471889.1	8.27719	2.2E-33	<i>mgtA</i>
WP_000190655.1	6.69928	4.7E-16	<i>yfhb</i>
WP_000732512.1	5.8143	5.8E-14	<i>rstB</i>
WP_001295285.1	4.90911	6.5E-08	<i>pmrD</i>
WP_000820410.1	4.89458	1.6E-19	<i>agn43</i>
WP_001092508.1	4.6609	2E-18	<i>rstA</i>
WP_001265471.1	4.043	9.1E-17	<i>phoP</i>
WP_001380339.1	3.81865	1.4E-15	<i>KXD89_14405</i>
WP_000705211.1	3.67125	1.4E-13	<i>ynfB</i>
WP_001273658.1	3.54056	1.8E-05	<i>ymdF</i>
WP_000433476.1	3.32089	7.1E-13	<i>maeA</i>
WP_000983871.1	3.30813	4.9E-05	<i>trpCF</i>
WP_000883034.1	3.22982	2.7E-11	<i>glsA</i>
WP_000597196.1	3.20858	3E-12	<i>slyB</i>
WP_000045315.1	3.19218	3.7E-12	<i>hemL</i>
WP_000066707.1	2.82914	9.2E-06	<i>fumB</i>
WP_000594599.1	2.80513	1.1E-05	<i>lpxT</i>
WP_000689228.1	2.79104	0.0005	<i>ytfK</i>
WP_000024560.1	2.76806	1.4E-05	<i>cbpM</i>
WP_000753946.1	2.74409	1.3E-09	<i>degP</i>
WP_001157540.1	2.62654	0.00107	<i>fetA</i>
WP_001138581.1	2.55387	1E-07	<i>speG</i>
WP_000953361.1	2.54374	0.00156	<i>nikA</i>
WP_000828648.1	2.51459	0.00179	<i>rmf</i>
WP_001300708.1	2.48639	3.8E-08	<i>dacC</i>
WP_000491520.1	2.46353	0.00226	<i>yedP</i>
WP_001292679.1	2.30525	2.2E-06	<i>mdoB</i>
WP_000436922.1	2.27911	0.0053	<i>ycbJ</i>
WP_001059922.1	2.2013	7.8E-06	<i>hypE</i>
WP_000190854.1	2.1995	0.00078	<i>ycgB</i>
WP_001253696.1	2.17048	0.00875	<i>envZ</i>
WP_000394140.1	2.12624	1.9E-05	<i>ansB</i>
WP_000624375.1	2.11382	2.3E-05	<i>folA</i>
WP_000989419.1	2.09378	0.01246	<i>astA</i>
WP_000925969.1	4.0901	1.7E-06	<i>ldtD</i>
WP_000459630.1	2.08903	0.01273	<i>tatD</i>
WP_001336277.1	2.05056	1.2E-05	<i>bglA</i>
WP_001297409.1	2.03771	0.01611	<i>tadA</i>
WP_000735412.1	2.01658	0.01775	<i>phoQ</i>
WP_000081588.1	2.01513	1.8E-05	<i>rpoS</i>
WP_001274963.1	2.00813	0.01845	<i>pspB</i>
WP_000426427.1	0.48755	5.6E-07	<i>dsdA</i>
WP_000845104.1	0.47602	2.3E-07	<i>asnA</i>

WP_000037608.1	0.47527	2E-05	<i>yhbO</i>
WP_001350521.1	0.46479	1.1E-05	<i>yedQ</i>
WP_000758655.1	0.46019	8.4E-06	<i>ygdR</i>
WP_000178044.1	0.4483	4.2E-06	<i>mliC</i>
WP_001300387.1	0.44345	9.6E-05	<i>garK</i>
WP_000890001.1	0.42062	6.7E-07	<i>truC</i>
WP_001308392.1	0.41722	9.2E-13	<i>ivy</i>
WP_001112301.1	0.41315	4E-07	<i>galP</i>
WP_001045689.1	0.40299	1.3E-05	<i>sbp</i>
WP_000646173.1	0.36176	1.1E-06	<i>ybdR</i>
WP_000498253.1	0.34248	9.8E-14	<i>osmB</i>
WP_000430057.1	0.34202	7.6E-10	<i>fiu</i>
WP_000761225.1	0.32266	8.8E-11	<i>malS</i>
WP_001309184.1	0.3172	1.6E-15	<i>nanM</i>
AIN31628.1	0.22799	2.4E-17	<i>BW25113_1171</i>
WP_000458809.1	0.2195	3.6E-18	<i>hcp</i>
WP_000281320.1	0.21767	2.3E-18	<i>ygaC</i>
WP_000868187.1	0.2058	9.9E-40	<i>rpmJ</i>
WP_001295684.1	0.19484	8.7E-30	<i>ydeN</i>
WP_000459379.1	0.14779	6.8E-20	<i>malY</i>
WP_000726974.1	0.08873	8.6E-44	<i>ymgG</i>
WP_000990333.1	0.0831	4.2E-46	<i>amiB</i>
WP_001295734.1	0.07192	2.2E-51	<i>nanC</i>
WP_000681354.1	0.57528	0.00779	<i>nhaA</i>
WP_001166395.1	0.72617	0.02402	<i>ispH</i>
WP_000597260.1	0.75275	0.03661	<i>carA</i>
WP_000736007.1	0.61402	0.01873	<i>mutT</i>
WP_000124438.1	0.69599	0.00576	<i>fhuA</i>
WP_001158931.1	0.61302	0.01834	<i>fhuC</i>
WP_000845394.1	1.8128	0.04469	<i>clcA</i>
WP_001291990.1	0.73816	0.02397	<i>gpt</i>
WP_001019920.1	0.61516	0.00524	<i>DXE50_03530</i>
WP_001102108.1	0.65099	0.01359	<i>KXD89_16980</i>
WP_000023927.1	0.63207	0.00837	<i>ECMP0215528_0369</i>
WP_000052206.1	1.4751	0.02913	<i>prpB</i>
WP_001275859.1	1.52746	0.00731	<i>HMPREF1599_03159</i>
WP_000413677.1	0.7623	0.04746	<i>ddl</i>
WP_001295332.1	1.64166	0.03482	<i>psiF</i>
WP_001295328.1	0.64444	0.00063	<i>DXE50_04210</i>
WP_001326929.1	0.6311	0.0264	<i>KXD89_16745</i>
WP_000844874.1	0.64375	0.03352	<i>priC</i>
WP_000738500.1	1.45019	0.01722	<i>bor</i>
WP_001201845.1	1.42015	0.02377	<i>ompT</i>
WP_001224604.1	1.62802	0.03801	<i>KXD89_15970</i>
WP_000381303.1	0.58105	0.00896	<i>A1UI_00656</i>
WP_000278509.1	1.75096	0.00052	<i>A1UI_00672</i>
WP_000503931.1	1.94949	0.00445	<i>tatE</i>
WP_000271153.1	1.86486	0.00043	<i>nagA</i>

WP_001113989.1	0.6236	0.02278	<i>nei</i>
WP_000254365.1	0.74511	0.03761	<i>sdhD</i>
WP_000568275.1	0.66499	0.00418	<i>DXE50_05885</i>
WP_000053415.1	0.65211	0.0009	<i>galK</i>
WP_000767389.1	1.55538	0.01297	<i>ECMP0215528_0917</i>
WP_000100800.1	1.93417	5.2E-05	<i>dps</i>
WP_001295296.1	1.5718	0.0044	<i>ompX</i>
WP_000815337.1	1.42197	0.04861	<i>poxB</i>
WP_001295343.1	0.67762	0.00625	<i>lolA</i>
WP_000850303.1	1.61106	0.04235	<i>dmsA</i>
WP_000165879.1	1.44322	0.01857	<i>A1UI_00969</i>
WP_000977920.1	0.73533	0.02199	<i>ompF</i>
WP_000048252.1	1.60609	0.04371	<i>yccX</i>
WP_001019197.1	0.60146	0.00349	<i>DXE50_07850</i>
WP_000420621.1	1.42312	0.04808	<i>cbpA</i>
WP_001151437.1	1.61626	0.00262	<i>wrbA</i>
AIN31510.1	1.80798	0.04566	-
WP_001144615.1	0.55664	0.00077	<i>trhO</i>
pdb 6H58 00	0.73734	0.02338	-
WP_000800153.1	0.55094	0.00415	<i>bhsA</i>
WP_000284280.1	1.89919	0.00628	<i>KXD89_12840</i>
WP_000702650.1	1.40496	0.02791	<i>narH</i>
WP_000718995.1	0.69111	0.00478	<i>galU</i>
WP_001360141.1	0.63673	0.0294	<i>tonB</i>
WP_001056490.1	1.64087	0.035	<i>KXD89_12400</i>
WP_001298828.1	0.50575	9.1E-05	<i>hslJ</i>
WP_001163872.1	1.35219	0.04805	<i>patD</i>
WP_000841554.1	1.5223	0.01819	<i>DXE50_16450</i>
WP_000246019.1	1.70277	0.02342	<i>gadC</i>
WP_000358930.1	1.77542	0.01448	<i>O3K_13030</i>
WP_000257409.1	0.64259	0.03281	<i>glsB</i>
WP_000214712.1	1.386	0.03402	<i>ydfZ</i>
WP_001300836.1	1.85322	0.03727	<i>A1UI_01776</i>
WP_001043339.1	1.75819	0.00047	<i>A1UI_01805</i>
WP_000483353.1	1.47956	0.01249	<i>hdhA</i>
WP_001296943.1	0.55992	5.1E-05	<i>slyA</i>
WP_000069375.1	0.69236	0.00502	<i>ppsA</i>
WP_001154168.1	1.47744	0.02847	<i>btuE</i>
WP_000267650.1	1.60056	0.00809	<i>DXE50_14915</i>
WP_000077872.1	1.40442	0.02807	<i>katE</i>
WP_000994973.1	1.86296	0.03567	<i>astB</i>
WP_000081983.1	1.56581	0.00471	<i>astC</i>
WP_001019882.1	1.48369	0.01193	<i>DXE50_14615</i>
WP_000394983.1	0.56835	0.00655	<i>DXE50_14440</i>
WP_000010115.1	0.50815	0.00115	<i>rlmA</i>
WP_000916763.1	0.70901	0.0478	<i>DXE50_14305</i>
WP_000936927.1	0.61509	0.01915	<i>ptrB</i>
WP_001350516.1	1.512	0.02018	<i>yebF</i>

WP_000891621.1	1.70638	0.00258	A1UI_02070
WP_001245695.1	1.59433	0.00864	amyA
WP_000740106.1	1.38884	0.03303	msrP
WP_001350529.1	1.60797	0.0432	KXD89_08150
WP_000490679.1	0.75665	0.04077	DXE50_12405
WP_000182899.1	0.76364	0.04917	gatA
WP_000153067.1	1.43572	0.04266	O3K_08910
WP_000422182.1	0.67197	0.02223	yojI
WP_000566471.1	1.78703	0.0134	ECMP0215528_2665
WP_000748271.1	1.40828	0.02695	A1UI_02525
WP_000991370.1	0.50596	9.2E-05	evgA
WP_000497400.1	0.6686	0.0019	A1UI_02594
WP_000021036.1	0.50089	0.0009	cysA
WP_001003709.1	1.65615	0.00163	tal
WP_000087280.1	1.49552	0.0238	WG3_03045
WP_001300814.1	0.71333	0.01732	A1UI_02650
WP_000133592.1	1.66697	0.00143	pepB
WP_000883122.1	0.71352	0.0174	hmp
WP_000986023.1	0.60834	0.01661	acpS
WP_000178456.1	1.47859	0.01263	raiA
WP_001203437.1	1.61073	0.04244	bamE
WP_000271909.1	1.38588	0.03406	lhgO
WP_000522415.1	1.59041	0.00354	kbp
WP_000777969.1	0.5006	0.00089	nrdF
WP_001199973.1	1.87674	0.00037	queE
WP_000626422.1	0.68335	0.00352	sdaB
WP_000016907.1	1.98765	0.00342	DXE50_18860
WP_001326497.1	0.69386	0.01014	loiP
WP_000994920.1	0.64399	0.03367	yggU
WP_000013149.1	1.40691	0.02734	dkgA
WP_000712658.1	1.74598	0.00055	ygiW
WP_000735278.1	1.70086	0.00095	tolC
WP_000046281.1	0.68739	0.0084	A1UI_03332
WP_001125331.1	0.72625	0.02406	DXE50_20220
WP_001066494.1	0.69351	0.03524	A1UI_03348
WP_000121433.1	1.42144	0.04885	A1UI_03359
WP_000031415.1	1.69309	0.00104	ECMP0215528_3607
WP_000785722.1	0.52762	8.2E-06	DXE50_20455
WP_000548347.1	0.56752	0.00642	tdcB
AIN33471.1	0.59149	0.00024	-
WP_001058209.1	0.58686	0.0022	garL
WP_001273753.1	0.64948	0.00247	garD
pdb 6H58 oo	0.74589	0.03012	-
WP_001300352.1	0.6827	0.00343	gltB
WP_000081674.1	0.67112	0.0051	gltD
WP_000979882.1	0.61511	0.00523	ECMP0215528_3729
WP_000209011.1	0.72079	0.02099	nanK
WP_000224714.1	0.6379	0.00045	nanA

WP_000695690.1	1.98787	0.02023	O3K_02775
WP_000354622.1	1.38054	0.03599	<i>accB</i>
WP_001219652.1	1.90568	0.02941	<i>dusB</i>
WP_001157751.1	1.44043	0.01914	<i>ompR</i>
WP_000856737.1	1.65146	0.03269	<i>greB</i>
WP_000444342.1	0.69685	0.01104	<i>malQ</i>
WP_000081909.1	0.56447	5.3E-06	<i>malP</i>
WP_000906961.1	0.64756	0.00231	<i>malT</i>
WP_001283723.1	1.49657	0.02356	<i>glgB</i>
WP_000108330.1	0.73424	0.02921	<i>gntK</i>
WP_001350553.1	1.88711	0.00033	<i>slp</i>
WP_000372240.1	1.60953	0.00283	ECMP0215528_4059
WP_001296794.1	1.9492	0.02414	ECMP0215528_4067
WP_001295233.1	0.66721	0.01996	HMPREF1589_01249
pdb 6H58 11	0.62209	0.0002	-
WP_001243431.1	0.65765	0.00327	<i>ibpB</i>
WP_001243437.1	0.56797	6.8E-06	<i>ibpA</i>
WP_001291268.1	1.6522	0.00466	<i>yieF</i>
WP_000763724.1	0.72424	0.02289	EL76_4667
WP_000281668.1	0.66034	0.04499	A1UI_04118
WP_000591375.1	0.7014	0.00704	-
WP_000940106.1	0.71048	0.04915	DXE50_25690
WP_001252058.1	0.60827	0.01659	<i>malG</i>
WP_001297290.1	0.55203	0.00064	<i>malF</i>
WP_000695387.1	0.55722	3.1E-06	<i>malE</i>
WP_000179165.1	0.6329	0.00035	<i>malK</i>
WP_000973663.1	0.58528	2.2E-05	<i>lamB</i>
WP_001326641.1	0.67306	0.0023	<i>malM</i>
WP_000002907.1	0.70491	0.04419	DXE50_25955
WP_001014565.1	1.89183	0.0066	EKN05_018200
WP_001131339.1	1.81878	0.04351	HMPREF1602_03064
WP_001298520.1	1.66727	0.00396	HMPREF1599_00791
WP_001295074.1	1.62661	0.00232	<i>lysS</i>
WP_001350567.1	1.95734	0.02326	KXD89_19795
WP_000853753.1	0.72311	0.01493	<i>fbp</i>
WP_001336303.1	0.67935	0.00299	G711_01352
WP_001407733.1	0.75656	0.04067	<i>treB</i>
WP_001181307.1	0.59136	0.01141	G711_01354
WP_000148581.1	0.71385	0.01095	<i>pyrI</i>
WP_000013046.1	0.65255	0.00092	<i>pyrB</i>
WP_000583469.1	0.75447	0.03841	EKN05_017700
WP_001309160.1	1.69988	0.02386	G894_04371
WP_000611568.1	0.68585	0.00802	A13A_04926
WP_000879155.1	0.56818	0.00117	HMPREF1599_03219
WP_000188283.1	0.51124	2.9E-06	HMPREF1599_03218
WP_000563040.1	0.60878	0.01677	G925_04733
WP_001338221.1	0.66377	0.0477	O3K_21575
WP_001264707.1	0.81635	0.1628	A13A_05080

WP_000241662.1	0.74519	0.09024	<i>thrB</i>
WP_000781074.1	0.95181	0.93496	<i>thrC</i>
WP_000906197.1	1.03389	0.88064	<i>yaaA</i>
WP_000130185.1	0.92334	0.73266	<i>tal</i>
WP_001295414.1	0.97072	0.79965	<i>EKN05_016655</i>
WP_000516135.1	0.84478	0.27015	<i>dnaK</i>
WP_001118476.1	0.95135	0.93171	<i>dnaJ</i>
pdb 6H58 tt	0.88207	0.46355	-
WP_000767329.1	0.91887	0.62089	<i>ribF</i>
WP_001286857.1	0.90312	0.59533	<i>ileS</i>
WP_000004655.1	0.84705	0.23238	<i>fkpB</i>
WP_001239142.1	1.08333	0.67653	<i>rihC</i>
WP_000543604.1	1.21412	0.28519	<i>dapB</i>
WP_001126348.1	0.77589	0.06712	<i>carB</i>
WP_000377098.1	1.17225	0.60238	<i>kefC</i>
WP_000257192.1	1.05322	0.79791	<i>apaH</i>
WP_000610901.1	1.31047	0.36755	<i>apaG</i>
WP_001065381.1	0.88888	0.38893	<i>rsmA</i>
WP_000241277.1	0.88659	0.48433	<i>pdxA</i>
WP_000800457.1	0.98514	0.88549	<i>surA</i>
WP_000746151.1	1.04462	0.62887	<i>lptD</i>
WP_001200579.1	1.13847	0.58471	<i>djIA</i>
WP_000525176.1	0.85565	0.44053	<i>rluA</i>
WP_001117011.1	0.92429	0.7393	<i>rapA</i>
WP_001300811.1	0.9002	0.57628	<i>araC</i>
WP_001301364.1	1.20395	0.4322	<i>HMPREF1589_03362</i>
WP_000818228.1	0.85399	0.25514	<i>leuD</i>
WP_001140652.1	0.90179	0.44603	<i>leuC</i>
WP_000042353.1	1.04881	0.81646	<i>leuB</i>
WP_000082850.1	0.93193	0.5925	<i>leuA</i>
WP_001115472.1	0.68064	0.0628	<i>A1UI_04836</i>
WP_001295534.1	0.8865	0.48395	<i>A1UI_04837</i>
WP_001300383.1	0.94017	0.74674	<i>A1UI_04838</i>
WP_000762401.1	0.92887	0.77145	<i>cra</i>
WP_001295533.1	1.13733	0.67605	<i>mraZ</i>
WP_000970479.1	0.96734	0.78113	<i>rsmH</i>
WP_000625658.1	0.87573	0.50867	<i>ftsL</i>
WP_000642196.1	1.09243	0.71129	<i>ftsI</i>
WP_000775093.1	0.95324	0.94522	<i>murE</i>
WP_000626685.1	0.98404	0.87311	<i>murF</i>
WP_000964131.1	1.12282	0.70836	<i>mraY</i>
WP_000796481.1	1.01371	0.97007	<i>murD</i>
WP_001295532.1	0.83355	0.37032	<i>ftsW</i>
WP_000016560.1	1.20449	0.43107	<i>murG</i>
WP_001096049.1	1.01332	0.97184	<i>murC</i>
WP_000130056.1	1.01358	0.97067	<i>ddl</i>
WP_000075748.1	0.75121	0.16423	<i>ftsQ</i>
WP_000588474.1	0.94555	0.66349	<i>ftsA</i>

WP_000462776.1	1.0943	0.45192	<i>ftsZ</i>
WP_000595482.1	1.48293	0.18594	<i>lpxC</i>
WP_000905789.1	0.8173	0.1658	<i>secA</i>
WP_000005042.1	1.12315	0.70761	<i>yacG</i>
WP_001194734.1	0.89325	0.51151	<i>zapD</i>
WP_001269520.1	0.85384	0.43456	<i>coaE</i>
WP_001217338.1	0.95184	0.93517	<i>guaC</i>
WP_001135174.1	0.93232	0.59449	<i>nadC</i>
WP_000923721.1	1.01528	0.97549	<i>ampD</i>
WP_000172005.1	0.99652	0.96341	<i>ampE</i>
WP_000331776.1	0.99487	0.9684	<i>pdhR</i>
WP_000003820.1	0.91737	0.69133	<i>aceE</i>
WP_000963518.1	0.97162	0.94895	<i>aceF</i>
WP_000102485.1	0.90815	0.62873	<i>lpdA</i>
WP_001307570.1	1.01333	0.75858	<i>acnB</i>
WP_000384306.1	1.26451	0.4358	<i>yacL</i>
WP_000734287.1	0.9611	0.74704	<i>speD</i>
WP_000818411.1	1.00619	0.99511	<i>speE</i>
WP_001295568.1	0.80198	0.28028	<i>DXE50_02840</i>
WP_001189647.1	1.33372	0.2214	<i>A1UI_04880</i>
WP_001306211.1	0.9638	0.82485	<i>HMPREF1595_04252</i>
WP_000683335.1	0.76557	0.05846	<i>DXE50_02855</i>
WP_000651599.1	0.94031	0.85274	<i>DXE50_02860</i>
WP_000150637.1	0.98231	0.86352	<i>DXE50_02865</i>
WP_000621515.1	1.00898	0.97557	<i>panD</i>
WP_000905383.1	1.03044	0.89572	<i>panC</i>
WP_000805497.1	1.10127	0.43012	<i>panB</i>
WP_000215139.1	0.84768	0.41458	<i>folK</i>
WP_010723084.1	0.76814	0.12839	<i>pcnB</i>
WP_001155227.1	1.14991	0.29874	<i>dksA</i>
WP_000396036.1	0.90082	0.59857	<i>sfsA</i>
WP_001350480.1	0.9749	0.87627	<i>hrpB</i>
WP_000918162.1	0.96317	0.98922	<i>mrcB</i>
WP_001310529.1	0.86023	0.45571	<i>HMPREF1602_04663</i>
WP_001295564.1	1.38027	0.07156	<i>erpA</i>
WP_000689844.1	0.93655	0.8259	<i>mtnN</i>
WP_000057073.1	1.27107	0.42547	<i>dgt</i>
WP_000272188.1	1.12433	0.52901	<i>yaeH</i>
WP_001186650.1	0.92808	0.76589	<i>dapD</i>
WP_001094586.1	0.88223	0.36101	<i>glnD</i>
WP_001018194.1	0.85153	0.30086	<i>map</i>
pdb 7OE0 B	0.94253	0.86861	-
WP_000818114.1	0.85373	0.31128	<i>tsf</i>
WP_000224573.1	0.87271	0.4098	<i>pyrH</i>
WP_000622418.1	0.98028	0.90812	<i>frf</i>
WP_000811923.1	0.78308	0.2328	<i>dxr</i>
WP_001295562.1	1.05958	0.85999	<i>ispU</i>
WP_000922446.1	1.46333	0.2015	<i>cdsA</i>

WP_001295561.1	1.07821	0.7534	<i>rseP</i>
WP_001240896.1	0.96483	0.9813	<i>bamA</i>
WP_000758956.1	1.17448	0.24545	<i>skp</i>
WP_001139279.1	0.91187	0.49311	<i>lpxD</i>
WP_000210739.1	0.9834	0.89354	<i>fabZ</i>
WP_000565966.1	1.09192	0.64385	<i>lpxA</i>
WP_000139654.1	1.46351	0.20135	<i>lpxB</i>
WP_000569430.1	0.94992	0.78421	<i>rnhB</i>
WP_001294757.1	1.13581	0.6794	<i>dnaE</i>
WP_000055741.1	0.96903	0.96124	<i>accA</i>
WP_001020973.1	1.50739	0.16806	<i>ldcC</i>
WP_000901099.1	1.01331	0.96099	<i>KXD89_17755</i>
WP_000176549.1	1.14245	0.6649	<i>tilS</i>
AIN30718.1	1.3214	0.23674	-
WP_000417058.1	1.33643	0.21813	<i>yaeP</i>
WP_001185290.1	0.95263	0.79466	<i>DXE50_03195</i>
WP_000239163.1	1.49961	0.08476	<i>nlpE</i>
WP_001260717.1	0.90438	0.60362	<i>proS</i>
WP_000094011.1	1.01606	0.97338	<i>tsaA</i>
WP_001202329.1	0.86006	0.27613	<i>rcsF</i>
WP_000874226.1	1.01418	0.75491	<i>WG3_00475</i>
WP_000594006.1	1.05222	0.83375	<i>metN</i>
WP_001140187.1	0.75849	0.11119	<i>gmhB</i>
WP_000997010.1	0.74602	0.09145	<i>dkgB</i>
WP_000648572.1	1.52717	0.15476	<i>KXD89_17630</i>
WP_001230983.1	1.47639	0.19101	<i>yafD</i>
WP_001052715.1	1.0794	0.74984	<i>gloB</i>
WP_000917883.1	0.85327	0.43271	<i>rnhA</i>
WP_001340895.1	0.92192	0.67724	<i>dnaQ</i>
WP_001118036.1	1.31126	0.25003	<i>yafV</i>
WP_000973083.1	1.04626	0.82732	<i>A1UI_00324</i>
WP_000284050.1	1.07233	0.52551	<i>lpcA</i>
WP_000333380.1	0.92693	0.69622	<i>ECMP0215528_0302</i>
WP_000729703.1	1.27459	0.30345	<i>dinJ</i>
WP_001292994.1	0.95562	0.96221	<i>pepD</i>
WP_000189532.1	0.97586	0.82797	<i>frsA</i>
WP_000174689.1	1.13901	0.48164	<i>crl</i>
WP_001285288.1	0.96482	0.76734	<i>proB</i>
WP_000893278.1	1.08697	0.47563	<i>proA</i>
WP_000081352.1	1.38877	0.27179	<i>A1UI_00392</i>
WP_001136613.1	1.0884	0.65713	<i>yagE</i>
WP_000151261.1	0.99478	0.95679	<i>yagF</i>
WP_000406871.1	0.97042	0.86329	<i>yagH</i>
WP_001121657.1	1.0879	0.78998	<i>kdgR_2</i>
WP_000803998.1	0.66951	0.0525	<i>rpmE2</i>
AIN30811.1	1.17912	0.58857	-
WP_001046307.1	1.27557	0.30191	<i>KXD89_16970</i>
WP_000370307.1	0.77926	0.07675	<i>KXD89_16990</i>



WP_000089110.1	1.0248	0.92265	<i>betB</i>
WP_000665120.1	0.83231	0.36654	<i>KZW89_19055</i>
WP_000692754.1	1.30743	0.07473	<i>A1UI_00416</i>
WP_000691956.1	1.34921	0.09457	<i>ECMP0215528_0390</i>
WP_001285927.1	1.4093	0.05475	<i>prpC</i>
WP_000076233.1	0.80794	0.29627	<i>codB</i>
WP_001301240.1	0.81402	0.1419	<i>A1UI_00427</i>
WP_000952503.1	0.83302	0.36868	<i>A1UI_00428</i>
WP_071843335.1	0.86787	0.41133	-
WP_001301325.1	0.91205	0.64016	<i>KXD89_17195</i>
WP_001013499.1	0.84016	0.39072	<i>mhpE</i>
WP_001096705.1	0.99066	0.94907	<i>DXE50_03945</i>
WP_000419081.1	0.8602	0.38301	<i>fghA</i>
WP_000842106.1	0.9761	0.82925	<i>frmA</i>
WP_001141271.1	0.94179	0.72368	<i>frmR</i>
WP_001295337.1	1.15036	0.29769	<i>hemB</i>
WP_000092067.1	0.86177	0.46089	<i>yaiW</i>
WP_000792970.1	1.19231	0.33449	<i>iraP</i>
WP_001295331.1	1.20797	0.29849	<i>proC</i>
WP_000158159.1	1.19008	0.46177	<i>yail</i>
WP_001276420.1	0.75786	0.17732	<i>DXE50_04100</i>
WP_000941942.1	1.12122	0.63031	<i>ppnP</i>
WP_001298537.1	0.95101	0.69261	<i>rdgC</i>
WP_001219309.1	1.17446	0.49682	<i>mak</i>
WP_000698951.1	1.15614	0.63566	<i>sbcC</i>
WP_000113933.1	0.88531	0.47918	<i>phoB</i>
WP_000893623.1	1.03253	0.92972	<i>phoR</i>
WP_000149639.1	0.97558	0.88318	<i>brnQ</i>
WP_001295329.1	1.26436	0.43603	<i>proY</i>
AIN30902.1	1.22995	0.49346	-
WP_001266503.1	1.11651	0.55543	<i>queA</i>
WP_000667319.1	0.81228	0.13794	<i>tgt</i>
WP_000007629.1	1.03277	0.67646	<i>yajC</i>
WP_000934822.1	0.90534	0.61001	<i>secD</i>
WP_000046637.1	0.93235	0.59466	<i>secF</i>
WP_000974813.1	0.91956	0.62391	<i>DXE50_04205</i>
WP_000543535.1	1.02972	0.90644	<i>nrdR</i>
WP_001150457.1	0.97823	0.89166	<i>ribD</i>
WP_001021161.1	0.77525	0.06607	<i>ribH</i>
WP_000801125.1	1.02127	0.93626	<i>nusB</i>
WP_000742109.1	0.91037	0.63389	<i>thiL</i>
WP_001199800.1	1.25965	0.20084	<i>A1UI_00501</i>
WP_000006797.1	0.91719	0.51878	<i>dxs</i>
WP_000347217.1	1.07218	0.77167	<i>A1UI_00503</i>
WP_001124935.1	0.8572	0.44564	<i>xseB</i>
WP_000668662.1	0.91794	0.52245	<i>thiI</i>
WP_001276305.1	0.90732	0.57071	<i>A1UI_00506</i>
WP_000705865.1	0.99262	0.95808	<i>panE</i>

WP_001138904.1	0.91527	0.67691	<i>yajQ</i>
WP_000467180.1	0.8902	0.51282	<i>DXE50_04315</i>
WP_001239436.1	0.80551	0.13099	<i>WG3_00715</i>
WP_001295326.1	0.82911	0.20657	<i>DXE50_04330</i>
WP_000973448.1	1.04105	0.84959	<i>bolA</i>
WP_001198386.1	0.88509	0.48161	<i>tig</i>
WP_000122253.1	1.02421	0.71203	<i>clpP</i>
WP_000130305.1	1.01767	0.73985	<i>clpX</i>
WP_001295325.1	1.05679	0.58207	<i>lon</i>
WP_001043542.1	0.96782	0.96701	<i>hupB</i>
WP_000969372.1	0.95293	0.94295	<i>ppiD</i>
WP_001194534.1	1.32241	0.23545	<i>DXE50_04375</i>
WP_000817220.1	0.8183	0.24674	<i>queC</i>
WP_000884589.1	0.66999	0.05291	<i>DXE50_04395</i>
WP_000075876.1	0.90277	0.45051	<i>tesB</i>
WP_000779842.1	0.92848	0.57496	<i>KXD89_16535</i>
WP_000136192.1	0.85119	0.24581	<i>DXE50_04450</i>
WP_000102564.1	0.88623	0.48285	<i>DXE50_04455</i>
WP_001291435.1	1.22386	0.39226	<i>hha</i>
WP_001132469.1	0.86583	0.37235	<i>DXE50_04470</i>
WP_001295324.1	0.9309	0.78585	<i>acrA</i>
WP_000101737.1	1.18917	0.56878	<i>acrR</i>
WP_000177732.1	1.04514	0.85632	<i>mscK</i>
WP_000051153.1	1.41717	0.13831	<i>rsmS</i>
WP_000127356.1	1.08228	0.49127	<i>apt</i>
WP_000122013.1	1.18608	0.3497	<i>dnaX</i>
WP_000467098.1	0.86183	0.35151	<i>ybaB</i>
WP_001195025.1	0.73702	0.1384	<i>recR</i>
WP_000678201.1	0.87125	0.40167	<i>htpG</i>
WP_001220233.1	0.9193	0.70463	<i>adk</i>
WP_001250103.1	1.31181	0.36571	<i>hemH</i>
WP_000671574.1	0.90065	0.44081	<i>gsk</i>
WP_000546237.1	0.79217	0.17891	<i>A1UI_00561</i>
WP_001251608.1	1.14813	0.65265	<i>A1UI_00562</i>
WP_000771748.1	1.31695	0.06813	<i>A13A_00461</i>
WP_000186631.1	1.0167	0.94963	<i>ybaK</i>
WP_000806442.1	1.19667	0.55433	<i>A13A_00465</i>
WP_000083955.1	1.39245	0.06401	<i>copA</i>
WP_001026747.1	0.94472	0.76423	<i>cueR</i>
WP_000904502.1	1.66928	0.08429	<i>DXE50_04660</i>
WP_001300573.1	0.8644	0.36483	<i>cnoX</i>
WP_000148959.1	1.26231	0.43929	<i>ybbO</i>
WP_001295836.1	1.08667	0.72819	<i>ECMP0215528_0556</i>
WP_001110573.1	1.10276	0.60391	<i>DXE50_04690</i>
WP_000141275.1	0.99616	0.94	<i>allR</i>
WP_001333621.1	1.26855	0.42941	<i>glxK</i>
WP_000815571.1	0.98379	0.91472	<i>purK</i>
WP_001295318.1	0.97671	0.88462	<i>purE</i>

WP_000255997.1	0.95387	0.94966	<i>ppiB</i>
WP_000912385.1	0.83895	0.24523	<i>cysS</i>
WP_000190288.1	0.95974	0.73966	<i>ybcJ</i>
WP_000729160.1	0.90849	0.47709	<i>folD</i>
WP_000662357.1	0.85891	0.4513	<i>nfrA</i>
WP_000770953.1	1.08868	0.78811	<i>cusR</i>
WP_000786319.1	1.04275	0.90307	<i>pheP</i>
WP_001153148.1	0.79327	0.25778	<i>DXE50_05095</i>
WP_000351487.1	0.98597	0.88163	<i>nfsB</i>
WP_001130654.1	1.65611	0.08926	<i>KXD89_15900</i>
WP_001034943.1	0.83456	0.19473	<i>fepA</i>
WP_000026812.1	0.89234	0.50773	<i>entE</i>
WP_001007138.1	0.95315	0.77574	<i>A1UI_00658</i>
WP_000347651.1	0.95155	0.76835	<i>A1UI_00659</i>
WP_001043156.1	1.28254	0.16694	<i>A1UI_00661</i>
WP_000913829.1	0.96879	0.84797	<i>dsbG</i>
WP_000052796.1	0.95778	0.97761	<i>ahpC</i>
WP_000887629.1	0.89024	0.5131	<i>ahpF</i>
WP_000089731.1	1.07847	0.69542	<i>rnk</i>
WP_000643397.1	0.85403	0.36092	<i>A1UI_00676</i>
WP_000062457.1	0.6866	0.0689	<i>citG</i>
WP_000034825.1	0.77316	0.06274	<i>cspE</i>
WP_000042632.1	0.8012	0.1145	<i>lipA</i>
WP_000284027.1	0.72996	0.06993	<i>lipB</i>
WP_000850550.1	1.02976	0.8987	<i>ybeD</i>
WP_001092082.1	1.0264	0.70283	<i>dacA</i>
WP_001231430.1	1.11063	0.57586	<i>rlpA</i>
WP_000131719.1	0.91228	0.64102	<i>mrdB</i>
WP_000776191.1	1.14993	0.55567	<i>mrdA</i>
WP_000776104.1	1.04672	0.85127	<i>rlmH</i>
WP_001161664.1	0.89358	0.40928	<i>rsfS</i>
WP_000620535.1	0.92552	0.69086	<i>EL76_3432</i>
WP_001269673.1	0.99825	0.98388	<i>lptE</i>
WP_001340834.1	0.85059	0.29644	<i>leuS</i>
WP_001044880.1	1.33978	0.05441	<i>DXE50_05445</i>
WP_001207520.1	0.95386	0.70792	<i>rihA</i>
WP_001177086.1	1.26484	0.19269	<i>gtI</i>
WP_000853021.1	0.8868	0.48517	<i>Int</i>
WP_001278605.1	1.15629	0.42967	<i>corC</i>
WP_000084469.1	0.822	0.33589	<i>ybeY</i>
WP_001018040.1	0.89647	0.55225	<i>ybeZ</i>
WP_000162740.1	0.90816	0.62878	<i>miaB</i>
WP_000184541.1	0.76034	0.11435	<i>A1UI_00729</i>
WP_000337077.1	0.78125	0.0764	<i>WG3_00959</i>
WP_000153129.1	1.02039	0.94019	<i>nagD</i>
WP_000187594.1	1.119	0.54691	<i>nagC</i>
WP_001237072.1	0.78689	0.08864	<i>nagB</i>
WP_038432907.1	0.95675	0.72348	-

WP_001287154.1	0.91155	0.65155	<i>glnS</i>
WP_000131702.1	1.0407	0.64438	<i>fur</i>
WP_001018618.1	0.92645	0.75445	<i>fldA</i>
WP_001300829.1	0.99677	0.96438	<i>DXE50_05640</i>
WP_000773288.1	0.83029	0.18281	<i>ybfF</i>
WP_000848387.1	0.92375	0.55113	<i>seqA</i>
WP_001297249.1	1.06275	0.55995	<i>A1UI_00749</i>
WP_001310640.1	1.18424	0.57844	<i>A1UI_00756</i>
WP_000087939.1	0.9586	0.81767	<i>kdpB</i>
WP_000424924.1	1.13698	0.67682	<i>DXE50_05690</i>
WP_001053305.1	1.18345	0.57999	<i>ECMP0215528_0806</i>
WP_000798871.1	1.12976	0.34885	<i>DXE50_05710</i>
WP_001188343.1	0.87204	0.42712	<i>ECMP0215528_0810</i>
WP_000912724.1	1.08753	0.72565	<i>pxpC</i>
WP_000785834.1	0.99291	0.84971	<i>gltA</i>
AIN31197.1	0.84691	0.23193	-
WP_000775540.1	0.98519	0.88526	<i>sdhA</i>
WP_001235254.1	1.03229	0.67843	<i>A311_01246</i>
WP_001181473.1	0.90967	0.63888	<i>sucA</i>
WP_000099823.1	0.9641	0.98479	<i>WG3_01000</i>
WP_001048602.1	1.04163	0.6407	<i>sucC</i>
WP_000025458.1	1.04193	0.63949	<i>sucD</i>
WP_000509902.1	0.81552	0.31731	<i>mngR</i>
WP_000884361.1	1.0365	0.66128	<i>O3K_17975</i>
WP_000034602.1	1.01232	0.98342	<i>ybgE</i>
WP_001098384.1	0.86827	0.4829	<i>ybgC</i>
WP_000131314.1	0.93008	0.58309	<i>tolQ</i>
WP_000090097.1	0.97218	0.87006	<i>tolR</i>
WP_000030637.1	0.9279	0.57199	<i>tolA</i>
WP_001295307.1	1.07866	0.50354	<i>tolB</i>
WP_001295306.1	1.00588	0.79132	<i>pal</i>
WP_000097571.1	0.96876	0.78892	<i>cpoB</i>
WP_000784351.1	1.52436	0.15659	<i>DXE50_05990</i>
WP_001109196.1	0.97545	0.8257	<i>O3K_17900</i>
WP_001295305.1	0.99301	0.84925	<i>gpmA</i>
WP_000931389.1	0.96119	0.99871	<i>galM</i>
WP_000191497.1	0.7629	0.05532	<i>A1UI_00817</i>
WP_001265438.1	0.84068	0.25245	<i>galE</i>
WP_000096869.1	0.90315	0.55292	<i>G711_00399</i>
WP_001147439.1	0.90376	0.55549	<i>modE</i>
WP_000101984.1	1.0234	0.92679	<i>A1UI_00822</i>
WP_000891692.1	1.6354	0.09764	<i>modC</i>
WP_001300666.1	0.94489	0.66001	<i>A1UI_00825</i>
WP_000815435.1	1.10403	0.42169	<i>pgl</i>
WP_001091569.1	0.84252	0.21824	<i>ECMP0215528_0877</i>
WP_001295303.1	1.77385	0.05317	<i>bioA</i>
WP_000951213.1	0.72695	0.1218	<i>bioB</i>
WP_000044843.1	1.00058	0.97885	<i>bioD</i>

WP_000042533.1	1.05071	0.83855	<i>uvrB</i>
WP_001295302.1	1.05317	0.83075	<i>ECMP0215528_0925</i>
WP_000084639.1	1.25753	0.20425	<i>moaB</i>
WP_000080885.1	1.10881	0.66449	<i>moaC</i>
WP_000852296.1	0.99276	0.9587	<i>moaE</i>
WP_001393495.1	0.94452	0.65808	<i>hlyD</i>
WP_001296991.1	1.48208	0.1866	<i>cecR</i>
WP_000007101.1	0.95515	0.78492	<i>rhIE</i>
WP_000386551.1	1.01187	0.97839	<i>ECMP0215528_0948</i>
WP_000443530.1	1.13464	0.49541	<i>ECMP0215528_0949</i>
WP_001295299.1	1.17578	0.4938	<i>rlmF</i>
WP_000569083.1	0.86737	0.30271	<i>ECMP0215528_0957</i>
WP_001159065.1	0.92548	0.65015	<i>glnP</i>
WP_000843866.1	0.9164	0.68465	<i>glnH</i>
WP_000091016.1	0.84693	0.33635	<i>DXE50_06600</i>
WP_001056384.1	0.91727	0.51915	<i>ldtB</i>
WP_000961458.1	0.88929	0.5072	<i>ECMP0215528_0968</i>
WP_000168797.1	1.15477	0.54368	<i>ECMP0215528_0969</i>
WP_000114272.1	0.87368	0.32678	<i>ybiV</i>
WP_001336208.1	1.23195	0.48996	<i>fsa</i>
WP_000829217.1	1.03727	0.91732	<i>moeB</i>
WP_000397340.1	0.93717	0.83032	<i>moeA</i>
WP_000513781.1	1.02208	0.95734	<i>iaaA</i>
WP_001301279.1	1.16556	0.61604	<i>gsiA</i>
WP_000090140.1	1.17346	0.49913	<i>gsiB</i>
WP_000049367.1	0.80122	0.11972	<i>rimO</i>
WP_000555031.1	1.13945	0.67142	<i>A1UI_00905</i>
WP_001295292.1	1.03919	0.8576	<i>DXE50_06705</i>
WP_000450121.1	0.95999	0.80726	<i>deoR</i>
WP_000023565.1	1.17083	0.60526	<i>ybjI</i>
WP_001024876.1	1.04328	0.90171	<i>ybjL</i>
WP_001195240.1	1.10207	0.75621	<i>EKN05_012210</i>
WP_000189159.1	0.94833	0.67828	<i>nfsA</i>
WP_000203025.1	0.908	0.62508	<i>DXE50_06785</i>
WP_000126072.1	1.72773	0.06523	<i>O3K_17075</i>
WP_001295339.1	1.11397	0.72853	<i>DXE50_06835</i>
WP_000756569.1	1.08604	0.47872	<i>ECMP0215528_1029</i>
WP_000027205.1	1.00076	0.99533	<i>artP</i>
WP_001270734.1	1.05599	0.78634	<i>O3K_17020</i>
WP_001160737.1	1.27037	0.31016	<i>ybjQ</i>
WP_001252135.1	0.94104	0.75007	<i>amiD</i>
WP_001338420.1	0.95642	0.80928	<i>ECMP0215528_1034</i>
WP_000566376.1	0.91958	0.53048	<i>ltaE</i>
WP_000491142.1	0.80194	0.28019	<i>ECMP0215528_1040</i>
WP_000599802.1	0.68714	0.06947	<i>KXD89_14410</i>
WP_000746442.1	0.74895	0.09585	<i>macA</i>
WP_000410785.1	1.10462	0.59719	<i>cspD</i>
WP_000520781.1	0.82263	0.33773	<i>clpS</i>

WP_000934041.1	1.3153	0.06923	<i>clpA</i>
WP_001040187.1	0.89706	0.55604	<i>infA</i>
WP_001202177.1	1.06197	0.80312	<i>cydC</i>
WP_001043598.1	1.05219	0.83386	<i>cydD</i>
WP_000537418.1	0.96859	0.96335	<i>trxB</i>
WP_000228473.1	1.00353	0.80176	GA0061070_10177
WP_000076967.1	0.95066	0.76427	<i>ftsK</i>
WP_000067755.1	0.94732	0.77421	DXE50_07020
WP_000886683.1	0.91375	0.66651	<i>serS</i>
WP_000213098.1	1.00613	0.99987	<i>dmsB</i>
WP_000111043.1	0.88707	0.3812	<i>pflA</i>
WP_001292822.1	1.04751	0.61756	A13A_00842
WP_000642546.1	1.46191	0.10632	<i>focA</i>
WP_001295344.1	0.88681	0.49203	DXE50_07080
WP_000642849.1	1.44254	0.21926	ECMP0215528_1073
WP_000057138.1	0.93545	0.81808	<i>serC</i>
WP_000445231.1	0.94309	0.65049	<i>aroA</i>
WP_000125016.1	0.86821	0.30586	<i>cmk</i>
WP_000140327.1	0.87299	0.41132	<i>rpsA</i>
WP_000167336.1	1.33868	0.10374	<i>ihfB</i>
WP_000551270.1	1.0076	0.98025	<i>msbA</i>
WP_000570539.1	1.03624	0.92	<i>lpxK</i>
WP_000350058.1	0.82909	0.27869	<i>ycaR</i>
WP_000011603.1	1.09359	0.6376	<i>kdsB</i>
WP_001298300.1	0.89533	0.57853	<i>cmoM</i>
WP_001288850.1	0.90908	0.57823	<i>mukF</i>
WP_001295347.1	0.95492	0.78386	<i>mukE</i>
WP_000572698.1	0.97589	0.92874	<i>mukB</i>
WP_001109486.1	1.28895	0.15836	A1UI_01038
WP_000462687.1	0.94248	0.86824	DXE50_07195
WP_000117881.1	0.90393	0.60066	<i>asnS</i>
WP_001307697.1	0.90363	0.45446	<i>pncB</i>
WP_000193841.1	1.00841	0.78011	A1UI_01043
WP_001295352.1	0.8006	0.11817	<i>pyrD</i>
WP_000212426.1	1.02111	0.9349	A1UI_01060
WP_001086539.1	1.04951	0.81351	<i>rlmL</i>
WP_000053099.1	0.94479	0.65948	<i>uup</i>
WP_000445533.1	1.05773	0.81638	O3K_16585
WP_000759120.1	1.35644	0.19532	<i>pqiC</i>
WP_000227927.1	0.91701	0.68885	<i>fabA</i>
WP_000156518.1	0.97561	0.87955	A1UI_01068
WP_000877161.1	0.87743	0.5146	<i>matP</i>
WP_000750416.1	1.20989	0.1824	<i>ompA</i>
WP_001261235.1	0.83298	0.29073	DXE50_07360
WP_001295354.1	1.11555	0.38783	A1UI_01075
WP_000424181.1	0.83089	0.21327	<i>mgsA</i>
WP_001301418.1	1.16784	0.39724	KXD89_13960
WP_000116297.1	0.98925	0.90188	<i>rlmI</i>

WP_000904442.1	0.86553	0.4026	<i>tusE</i>
WP_000375136.1	0.92143	0.67537	<i>yccA</i>
WP_001300464.1	0.82791	0.3533	<i>G711_00113</i>
WP_001044279.1	1.15063	0.44623	<i>agp</i>
WP_001143120.1	1.41568	0.05157	<i>DXE50_07910</i>
WP_000191701.1	1.13272	0.68622	<i>rutR</i>
WP_001326840.1	0.97377	0.93876	<i>putA</i>
WP_001018479.1	0.84104	0.21374	<i>putP</i>
WP_000154398.1	0.72529	0.06444	<i>EKN05_011205</i>
WP_000533522.1	1.32347	0.34993	<i>phoH</i>
WP_000351317.1	1.08398	0.48554	<i>ghrA</i>
WP_000283667.1	1.17907	0.36745	<i>ycdX</i>
WP_001001921.1	1.05295	0.79902	<i>A13A_00953</i>
WP_001189321.1	1.44676	0.11631	<i>csgG</i>
WP_000857405.1	1.26374	0.32094	<i>ymdB</i>
WP_001343212.1	0.94304	0.87224	<i>mdoG</i>
WP_001295445.1	0.93603	0.6975	<i>mdoH</i>
WP_000180056.1	1.30993	0.13287	<i>ECMP0215528_1226</i>
WP_000183364.1	0.93462	0.69116	<i>lpxL</i>
WP_000749261.1	1.04732	0.84935	<i>yceI</i>
WP_000872833.1	1.03792	0.86313	<i>solA</i>
WP_001217754.1	0.97368	0.87584	<i>dinI_4</i>
WP_000126534.1	0.85564	0.32051	<i>pyrC</i>
WP_001295443.1	0.79767	0.19206	<i>DXE50_08675</i>
WP_000780912.1	1.1165	0.38512	<i>O3K_15240</i>
WP_000468186.1	1.13349	0.59765	<i>rimJ</i>
WP_000877107.1	1.16762	0.39784	<i>yceH</i>
WP_001050683.1	0.84721	0.41308	<i>murJ</i>
WP_000827360.1	0.9269	0.75762	<i>rne</i>
WP_000846343.1	1.18057	0.3636	<i>rluC</i>
WP_001125202.1	1.10862	0.58293	<i>EKN05_010785</i>
WP_001174481.1	0.92355	0.64154	<i>yceD</i>
WP_000197597.1	1.23249	0.48902	<i>plsX</i>
WP_000288132.1	1.03686	0.65979	<i>fabH</i>
WP_000191372.1	1.06602	0.54804	<i>fabD</i>
WP_001008535.1	1.05165	0.60155	<i>fabG</i>
WP_000103754.1	0.91807	0.69613	<i>acpP</i>
WP_000044679.1	0.93509	0.8155	<i>fabF</i>
WP_000478681.1	1.12964	0.69305	<i>pabC</i>
WP_000756827.1	0.91903	0.66631	<i>yceG</i>
WP_001257000.1	0.92772	0.66012	<i>tmk</i>
WP_001267956.1	1.17002	0.60691	<i>holB</i>
WP_000480245.1	1.07769	0.75497	<i>ECMP0215528_1276</i>
WP_000475719.1	0.99306	0.84903	<i>ptsG</i>
WP_000807125.1	1.01056	0.98428	<i>hinT</i>
WP_000164439.1	1.08518	0.66943	<i>lpoB</i>
WP_000529320.1	0.99875	0.98616	<i>nagZ</i>
WP_000587933.1	1.23034	0.25239	<i>ycfP</i>

WP_000211045.1	0.94078	0.85607	<i>DXE50_08910</i>
WP_001043459.1	0.8499	0.34653	<i>DXE50_08915</i>
WP_001336528.1	1.18642	0.57416	<i>comR</i>
WP_001115094.1	1.01209	0.76402	<i>mfd</i>
WP_000284714.1	1.06666	0.8422	<i>lolC</i>
WP_001033694.1	1.10629	0.67156	<i>lolD</i>
WP_001251348.1	0.96166	0.82949	<i>HMPREF1620_01675</i>
WP_000291270.1	1.17005	0.60685	<i>nagK</i>
AIN31583.1	1.02465	0.92317	-
WP_000759317.1	0.98933	0.90234	<i>potD</i>
WP_000580316.1	1.02238	0.93069	<i>potC</i>
AIN31588.1	1.00257	0.98638	-
WP_000531594.1	1.00948	0.98917	<i>potA</i>
WP_000359434.1	1.30417	0.13949	<i>pepT</i>
WP_000456506.1	1.02436	0.92411	<i>AB05_1317</i>
WP_000423742.1	0.96317	0.98921	<i>purB</i>
WP_001297479.1	1.06422	0.79613	<i>hflD</i>
WP_001297484.1	0.93794	0.62356	<i>trmU</i>
WP_000476093.1	1.32076	0.35355	<i>nudJ</i>
WP_000444484.1	0.94233	0.86717	<i>icd</i>
WP_000848748.1	0.82654	0.34922	<i>A311_03318</i>
WP_000888772.1	0.67962	0.0618	<i>ariR</i>
WP_001185665.1	0.91918	0.52851	<i>minE</i>
WP_000101055.1	1.10434	0.42077	<i>minD</i>
WP_001301105.1	1.08877	0.72199	<i>minC</i>
WP_001056840.1	0.73219	0.07267	<i>HMPREF1602_05104</i>
WP_000695215.1	1.04002	0.87281	<i>KXD89_12850</i>
WP_001295992.1	0.94612	0.66652	<i>ycgL</i>
WP_000943459.1	0.96616	0.84684	<i>dsbB</i>
WP_000406391.1	0.76015	0.11403	<i>nhaB</i>
WP_000234823.1	0.8679	0.41144	<i>fadR</i>
WP_001266908.1	0.93618	0.82324	<i>dadA</i>
WP_000197881.1	1.13371	0.49838	<i>dadX</i>
WP_000051560.1	1.04819	0.84658	<i>A1UI_01327</i>
WP_001301104.1	0.85682	0.37084	<i>emtA</i>
WP_000841714.1	1.34023	0.10234	<i>treA</i>
WP_001301101.1	0.97338	0.81432	<i>A1UI_01333</i>
WP_000059411.1	0.98689	0.88886	<i>EL76_2821</i>
WP_000733715.1	1.13044	0.34707	<i>A1UI_01335</i>
WP_000505866.1	0.93565	0.81949	<i>ychF</i>
WP_000152933.1	0.87289	0.32372	<i>pth</i>
WP_000823885.1	1.11267	0.65374	<i>ychH</i>
WP_001033352.1	0.94965	0.75962	<i>dauA</i>
WP_001298109.1	0.96093	1	<i>prs</i>
WP_001260332.1	0.93604	0.69755	<i>ispE</i>
WP_001130692.1	1.06157	0.76327	<i>lolB</i>
WP_001299679.1	1.10918	0.73959	<i>hemA</i>
WP_000804726.1	1.06009	0.76936	<i>prfA</i>



WP_000456467.1	0.95669	0.8103	<i>prmC</i>
WP_000811065.1	1.06646	0.54647	<i>kdsA</i>
WP_000063607.1	1.61491	0.10666	<i>chaA</i>
WP_001146444.1	1.06637	0.84293	<i>chaB</i>
WP_001169669.1	0.99515	0.93443	<i>ychN</i>
WP_000070491.1	0.98183	0.86089	<i>narL</i>
WP_000918073.1	1.20054	0.43932	<i>narX</i>
WP_000019827.1	1.30333	0.26087	<i>narK</i>
WP_000032939.1	1.21689	0.17169	<i>KXD89_12605</i>
WP_000571681.1	1.33354	0.22161	<i>narJ</i>
WP_001160108.1	1.41301	0.14168	<i>narI</i>
WP_000555857.1	0.92352	0.54998	<i>purU</i>
WP_001307143.1	0.97483	0.8803	<i>ychJ</i>
WP_000193447.1	1.126	0.7012	<i>rssB</i>
WP_001287378.1	1.08268	0.4899	<i>DXE50_00785</i>
WP_000068077.1	0.97464	0.87507	<i>tdk</i>
WP_000301651.1	1.0954	0.44841	<i>adhE</i>
WP_001393463.1	1.08807	0.47202	<i>oppA</i>
WP_000911112.1	1.03634	0.86997	<i>oppB</i>
WP_000979661.1	1.12952	0.60809	<i>O3K_14420</i>
WP_000110948.1	1.16084	0.41669	<i>oppD</i>
WP_000994906.1	1.08554	0.48035	<i>oppF</i>
WP_000214516.1	1.16786	0.61132	<i>cls</i>
WP_001309467.1	0.8516	0.42725	<i>DXE50_00840</i>
WP_001295624.1	1.31132	0.36638	<i>A1UI_01400</i>
WP_000967595.1	0.8329	0.29051	<i>DXE50_00850</i>
WP_000108160.1	0.88021	0.45887	<i>yciA</i>
WP_000028545.1	0.78077	0.22732	<i>yciC</i>
WP_000737226.1	1.09286	0.45651	<i>ompW</i>
WP_001079505.1	1.48223	0.09415	<i>A1UI_01407</i>
WP_000443067.1	1.15984	0.4195	<i>trpA</i>
WP_000209520.1	1.12136	0.53893	<i>trpB</i>
WP_000763511.1	0.91213	0.64046	<i>trpD</i>
WP_001194582.1	1.49261	0.08843	<i>A1UI_01414</i>
WP_001295575.1	1.37205	0.07711	<i>DXE50_17760</i>
WP_001291217.1	0.99475	0.93222	<i>WG3_01862</i>
WP_001278906.1	0.84014	0.31371	<i>HMPREF1591_00308</i>
WP_000559286.1	0.96076	0.74524	<i>KXD89_12335</i>
WP_000422045.1	0.99473	0.96776	<i>sohB</i>
WP_001031530.1	1.02748	0.90874	<i>DXE50_17730</i>
WP_001297122.1	1.04479	0.6282	<i>topA</i>
WP_000776253.1	0.92983	0.66959	<i>cysB</i>
WP_000099534.1	1.33864	0.05503	<i>acnA</i>
WP_001176295.1	0.87123	0.31731	<i>ribA</i>
WP_000876286.1	0.76527	0.19267	<i>lapA</i>
WP_000891353.1	0.93791	0.73809	<i>lapB</i>
WP_000176270.1	0.87706	0.43438	<i>pyrF</i>
WP_001295580.1	0.96668	0.8382	<i>ECMP0215528_1563</i>

WP_001088620.1	0.99243	0.95719	KXD89_12255
WP_000484984.1	0.94914	0.91586	<i>rnb</i>
WP_000506490.1	0.92278	0.72876	<i>fabI</i>
WP_001146163.1	0.97332	0.87445	<i>sapC</i>
WP_001250216.1	0.9719	0.86901	O3K_13860
WP_001296746.1	0.86463	0.47053	<i>puuA</i>
WP_001300506.1	1.30699	0.25583	A1UI_01451
WP_001009090.1	0.87511	0.50652	A1UI_01453
WP_000069229.1	0.92368	0.6839	EL76_2650
WP_001301108.1	0.94807	0.77708	<i>pspF</i>
WP_000511025.1	1.173	0.24843	<i>pspA</i>
WP_000907387.1	0.96914	0.85833	<i>pspC</i>
WP_000473109.1	0.93582	0.61253	<i>pspE</i>
WP_000075375.1	0.91183	0.63934	A1UI_01474
WP_000825775.1	0.89645	0.58261	A1UI_01475
WP_000138728.1	1.46718	0.19836	<i>ycjF</i>
WP_001300658.1	1.14548	0.4617	<i>tyrR</i>
WP_000084387.1	0.91692	0.68823	<i>tpx</i>
WP_001261211.1	1.10333	0.60182	A1UI_01479
WP_000219122.1	0.95439	0.80142	<i>mpaA</i>
WP_001300523.1	0.98617	0.92387	A1UI_01482
WP_000683020.1	1.01819	0.95002	<i>mppA</i>
WP_000559900.1	1.3276	0.34448	<i>ynal</i>
WP_001262123.1	1.27742	0.09941	<i>uspE</i>
WP_000611911.1	0.77993	0.07775	<i>fnr</i>
WP_000945011.1	0.8847	0.54027	DXE50_17365
WP_000444929.1	0.71002	0.09704	<i>abgA</i>
WP_001046829.1	1.2152	0.51978	<i>smrA</i>
WP_000387388.1	1.07318	0.82597	<i>zntB</i>
WP_000123737.1	0.98579	0.92241	<i>dbpA</i>
WP_001157406.1	0.8635	0.28847	<i>ttcA</i>
WP_000948459.1	0.95835	0.81673	C4A13_02150
WP_001300461.1	1.20878	0.2967	A1UI_01500
WP_000628244.1	0.93072	0.58634	<i>nifJ</i>
WP_000762236.1	1.12099	0.37256	HMPREF1591_00398
WP_000698145.1	0.9474	0.77451	EKN05_007005
WP_000039887.1	1.07984	0.80959	A1UI_01524
WP_001123464.1	1.38635	0.27439	EL76_2579
WP_000097801.1	1.24619	0.35093	O3K_13465
WP_000048950.1	0.77532	0.14232	<i>azoR</i>
WP_000139543.1	1.02189	0.93352	<i>hrpA</i>
WP_001027942.1	1.0885	0.65673	HGD79_04235
WP_000115943.1	1.11616	0.38609	<i>aldA</i>
WP_000428998.1	1.27057	0.42625	<i>cybB</i>
WP_000414567.1	0.76413	0.19026	KXD89_11535
WP_000013789.1	1.29571	0.27164	KXD89_11530
WP_000375961.1	1.02853	0.91035	<i>opgD</i>
WP_001296778.1	1.04301	0.84119	DXE50_16735

WP_000140873.1	1.10872	0.74066	<i>rimL</i>
WP_000586732.1	1.12798	0.61217	<i>O3K_13350</i>
WP_001261013.1	1.19961	0.31731	<i>DXE50_16710</i>
WP_001303492.1	0.91172	0.58967	<i>CSW52_29105</i>
WP_000047424.1	1.29599	0.14938	<i>A1UI_01562</i>
WP_000531462.1	1.35975	0.08611	<i>CSW52_29020</i>
WP_000689363.1	0.7665	0.12535	<i>KXD89_11385</i>
WP_000550695.1	0.79397	0.10084	<i>KXD89_11380</i>
WP_001120143.1	0.801	0.27769	<i>pptA</i>
WP_010723100.1	1.23982	0.23466	<i>fdnG</i>
WP_001240582.1	1.42264	0.23755	<i>fdxH</i>
WP_000045648.1	1.55727	0.05944	<i>fdnI</i>
WP_000152305.1	1.34045	0.10214	<i>osmC</i>
WP_000830550.1	0.84815	0.34052	<i>EL76_2497</i>
WP_000350395.1	0.87273	0.49825	<i>EKN05_007410</i>
WP_001244968.1	0.99212	0.95575	<i>KXD89_11170</i>
WP_000832437.1	1.07902	0.81158	<i>KXD89_11165</i>
WP_001125439.1	0.92103	0.67387	<i>A1UI_01641</i>
WP_000154342.1	1.58929	0.11903	<i>lsrR</i>
WP_000172465.1	1.3343	0.2207	<i>lsrB</i>
WP_000774165.1	1.21046	0.29304	<i>lsrF</i>
WP_000558527.1	1.34641	0.32055	<i>lsrG</i>
WP_001286597.1	1.41424	0.14068	<i>tam</i>
WP_000156615.1	1.0954	0.772	<i>sad</i>
WP_000210799.1	0.84195	0.39635	<i>ydeA</i>
WP_000671737.1	1.29327	0.27517	<i>A311_02188</i>
WP_000210373.1	1.0102	0.77227	<i>dcp</i>
WP_000636571.1	0.97181	0.94803	<i>ydfG</i>
WP_000215549.1	1.11046	0.73662	<i>DXE50_16075</i>
WP_001019606.1	0.85056	0.24374	<i>WG3_02248</i>
WP_000534858.1	0.81405	0.31317	<i>relB</i>
WP_000448564.1	1.28009	0.41159	<i>WG3_02272</i>
WP_001295394.1	1.49196	0.17915	<i>rspA</i>
WP_001340362.1	1.0814	0.80576	<i>KXD89_10665</i>
WP_000148710.1	1.0834	0.73789	<i>dmsD</i>
WP_000919231.1	1.45354	0.20969	<i>bioD</i>
WP_000225262.1	0.99102	0.94244	<i>mlc</i>
WP_000014036.1	1.0156	0.96158	<i>pntB</i>
WP_001300486.1	1.02805	0.90621	<i>A1UI_01794</i>
WP_000769303.1	1.04693	0.6198	<i>KXD89_10570</i>
WP_000520804.1	1.05582	0.86954	<i>foIM</i>
WP_000135181.1	1.34011	0.32841	<i>tus</i>
WP_001099085.1	1.04277	0.63616	<i>fumC</i>
WP_000066639.1	0.93972	0.84848	<i>DXE50_15495</i>
WP_001170664.1	0.87534	0.42458	<i>A1UI_01804</i>
WP_000945878.1	1.01378	0.95941	
WP_000969092.1	1.67658	0.08165	<i>DXE50_15465</i>
WP_000125583.1	0.83075	0.3618	<i>malX</i>

WP_000567490.1	0.85329	0.30918	<i>add</i>
WP_001282550.1	0.94237	0.72632	<i>KXD89_10470</i>
WP_000217950.1	0.83541	0.29843	<i>ydgT</i>
WP_000991805.1	0.82192	0.33565	<i>rsxB</i>
WP_000915778.1	1.09829	0.76515	<i>rsxC</i>
WP_000920784.1	1.18974	0.56768	<i>rsxG</i>
WP_000100932.1	0.78608	0.16504	<i>dtpA</i>
WP_000765749.1	1.21877	0.1689	<i>gstA</i>
WP_001307229.1	1.02102	0.93735	<i>pdxY</i>
WP_001295400.1	1.07831	0.50475	<i>tyrS</i>
WP_001282319.1	1.13502	0.49421	<i>pdxH</i>
WP_000835039.1	1.27406	0.30428	<i>anmK</i>
WP_001296937.1	1.25513	0.33538	<i>sodC</i>
WP_000250656.1	1.07163	0.72251	<i>DXE50_15315</i>
WP_000093589.1	0.94541	0.66275	<i>nemA</i>
WP_001237796.1	0.90862	0.47768	<i>gloA</i>
WP_001282283.1	0.98859	0.93953	<i>rnt</i>
WP_000108172.1	0.77429	0.06452	<i>DXE50_15280</i>
WP_000007283.1	1.05264	0.59779	<i>sodB</i>
WP_000190982.1	1.06712	0.74062	<i>purR</i>
WP_000098896.1	1.27481	0.17781	<i>DXE50_15240</i>
WP_000493947.1	1.05324	0.79781	<i>ribE</i>
WP_001174940.1	1.27293	0.42258	<i>mdtK</i>
WP_000534271.1	0.98002	0.85091	<i>KXD89_10260</i>
WP_000212657.1	1.13182	0.60202	<i>EKN05_007655</i>
WP_000716950.1	1.35804	0.30647	<i>KXD89_10240</i>
WP_000528342.1	1.15237	0.64361	<i>fumD</i>
WP_001295403.1	0.99749	0.82888	<i>DXE50_15165</i>
WP_000648420.1	0.83847	0.24326	<i>lpp</i>
WP_000817105.1	1.55418	0.06059	<i>ldtE</i>
WP_001196530.1	1.04496	0.89736	<i>sufE</i>
WP_000907979.1	1.35152	0.3143	<i>sufD</i>
WP_000948863.1	1.51312	0.16411	<i>sufC</i>
WP_000089364.1	1.01095	0.98711	<i>sufB</i>
WP_000367160.1	1.41625	0.13904	<i>sufA</i>
WP_001296104.1	1.13743	0.67583	<i>DXE50_15120</i>
WP_000637982.1	0.90944	0.63043	<i>ydil</i>
WP_000613008.1	1.0556	0.82305	<i>KXD89_10145</i>
WP_000248636.1	0.97269	0.87203	<i>ydiK</i>
WP_000860201.1	0.98371	0.91698	<i>aroD</i>
WP_000368046.1	0.90964	0.4825	<i>ppsR</i>
WP_001082229.1	1.02791	0.90684	<i>aroH</i>
WP_001229265.1	1.01487	0.75194	<i>ihfA</i>
WP_000672380.1	0.99358	0.84666	<i>pheT</i>
WP_000018596.1	0.96551	0.97804	<i>pheS</i>
pdb 6H58 QQ	0.86159	0.35025	-
pdb 6H58 33	1.31814	0.06735	-
WP_001700733.1	1.12747	0.35494	<i>infC</i>

WP_001144202.1	0.94079	0.85613	<i>thrS</i>
WP_000251727.1	1.35172	0.09249	<i>EL76_2143</i>
WP_000146159.1	1.54989	0.06223	<i>ghoS</i>
WP_000106833.1	0.8861	0.37712	<i>A1UI_01927</i>
WP_001010696.1	1.02013	0.93817	<i>A1UI_01929</i>
WP_000412169.1	1.11454	0.72723	<i>chbB</i>
WP_001039044.1	1.15999	0.27588	<i>osmE</i>
WP_000175026.1	1.04662	0.62104	<i>nadE</i>
WP_001228984.1	0.89819	0.42969	<i>A1UI_01943</i>
WP_000368506.1	0.96843	0.85562	<i>astE</i>
WP_000177206.1	1.38023	0.17091	<i>astD</i>
WP_000673918.1	0.91575	0.51177	<i>xth</i>
WP_000939212.1	1.41773	0.13786	<i>A1UI_01951</i>
WP_001215339.1	1.44566	0.21651	<i>A1UI_01954</i>
WP_001350515.1	1.24275	0.35707	<i>ynjE</i>
WP_000373021.1	1.00708	1	<i>gdhA</i>
WP_001235800.1	1.05452	0.87283	<i>topB</i>
WP_001295485.1	1.02626	0.91412	<i>selD</i>
WP_000339283.1	1.11925	0.54607	<i>O3K_11135</i>
WP_001259810.1	1.05252	0.80085	<i>sppA</i>
WP_001170162.1	0.97494	0.87642	<i>DXE50_14700</i>
WP_001135066.1	1.07654	0.81768	<i>KXD89_09735</i>
WP_000719096.1	0.8888	0.49328	<i>HMPREF1591_01708</i>
WP_000645221.1	0.78431	0.23574	<i>KXD89_09695</i>
WP_001300415.1	1.03745	0.88117	<i>KXD89_09690</i>
WP_001284618.1	1.11407	0.56386	<i>msrB</i>
WP_000153502.1	0.87617	0.42929	<i>gapA</i>
WP_001335909.1	0.83791	0.20439	<i>A1UI_01981</i>
WP_000163771.1	0.97313	0.94177	<i>DXE50_14620</i>
WP_000219687.1	1.4224	0.23778	<i>yeaH</i>
WP_000766132.1	0.96344	0.83635	<i>O3K_11030</i>
WP_000138043.1	1.02932	0.90776	<i>A311_02408</i>
WP_001326526.1	1.49173	0.0889	<i>KXD89_09615</i>
WP_000691930.1	0.86522	0.4725	<i>ECMP0215528_2082</i>
WP_000939317.1	0.96462	0.8409	<i>yeaR</i>
WP_000758422.1	1.11204	0.5709	<i>fadD</i>
WP_000290576.1	1.13824	0.58532	<i>yeaY</i>
WP_001220966.1	0.79285	0.18051	<i>A1UI_02007</i>
WP_001295493.1	1.03046	0.89562	<i>DXE50_14475</i>
WP_001111995.1	1.22272	0.50624	<i>AC28_1962</i>
WP_000457334.1	1.34905	0.31731	<i>yoaH</i>
WP_000854958.1	0.9631	0.75795	<i>pabB</i>
WP_000456715.1	1.23719	0.48091	<i>nudL</i>
WP_000624298.1	1.13593	0.33287	<i>DXE50_14450</i>
WP_000150543.1	0.82754	0.2008	<i>manX</i>
WP_000406926.1	0.94042	0.71742	<i>DXE50_14430</i>
WP_000228655.1	0.76618	0.0592	<i>DXE50_14425</i>
WP_000156255.1	0.92785	0.69971	<i>yobD</i>

WP_001062678.1	1.0652	0.55102	HMPREF0880_03203
WP_001006866.1	0.98197	0.90776	ECMP0215528_2119
WP_001211011.1	1.18649	0.57402	DXE50_14385
WP_001262203.1	0.92063	0.53568	kdgR
WP_000984520.1	0.8267	0.17318	htpX
WP_001055791.1	1.06503	0.55165	DXE50_14365
WP_000431381.1	0.86862	0.3873	proQ
WP_001043877.1	0.92829	0.7674	msrC
WP_001326728.1	1.16706	0.51409	yebT
WP_001352260.1	1.14973	0.55614	rsmF
WP_001295499.1	1.60824	0.10976	DXE50_14335
WP_000976476.1	0.89048	0.50013	EKN05_006800
WP_000168747.1	1.04002	0.87281	yobA
WP_000944256.1	0.75501	0.17164	exoX
WP_000024757.1	1.49599	0.08664	KXD89_09330
WP_000257738.1	0.72033	0.11166	yebG
WP_000173484.1	1.06473	0.79457	purT
WP_000800512.1	0.90473	0.60594	DXE50_14265
WP_001069467.1	0.87316	0.32476	edd
WP_000301727.1	0.91147	0.65106	zwf
WP_001056706.1	0.93949	0.7132	O3K_10665
WP_000091148.1	1.14216	0.31731	DXE50_14245
WP_000448381.1	0.95637	0.79053	msbB
WP_001300644.1	0.7926	0.09839	znuA
WP_000202996.1	1.02201	0.95752	znuC
WP_000568519.1	1.19071	0.46038	ruvB
WP_000580323.1	1.01784	0.96863	ruvA
WP_000907248.1	1.02207	0.93269	yebC
WP_001258678.1	1.03993	0.64748	aspS
WP_000639274.1	1.40903	0.25083	yecE
WP_000019590.1	0.88012	0.35241	cmoA
WP_000564725.1	0.81439	0.14276	cmoB
WP_001185741.1	1.00617	1	cutC
WP_001326725.1	1.57063	0.12887	GKR75_01495
WP_001025322.1	0.91809	0.69628	argS
WP_000066951.1	0.78534	0.08612	flhA
WP_001295647.1	0.70971	0.09661	flhD
WP_000122416.1	0.8652	0.47245	uspC
WP_001295646.1	1.44509	0.11747	otsA
WP_001295645.1	1.05484	0.82547	A1UI_02107
WP_000100205.1	1.00875	0.99247	EKN05_006250
WP_001187819.1	0.97484	0.93371	DXE50_13950
WP_000548675.1	0.86835	0.38582	DXE50_13945
WP_000082127.1	0.91158	0.58906	DXE50_13935
WP_000917208.1	1.33276	0.05833	ftnA
WP_000797560.1	0.80035	0.276	tyrP
WP_000847902.1	1.09312	0.70928	yecA
WP_001160187.1	1.1594	0.62881	pgsA

WP_001283421.1	1.04552	0.85511	<i>uvrC</i>
WP_000611335.1	0.89422	0.51549	<i>uvrY</i>
WP_000106474.1	1.1275	0.61345	<i>EKN05_006160</i>
WP_001272991.1	1.06012	0.85863	<i>yecC</i>
WP_001158220.1	1.21293	0.52392	<i>tcyL</i>
WP_001128215.1	1.06113	0.76508	<i>dcyD</i>
WP_001296168.1	1.12844	0.35235	<i>HMPREF1604_01381</i>
WP_000079739.1	0.92585	0.6921	<i>fliC</i>
WP_001350519.1	0.98874	0.89906	<i>KXD89_08915</i>
WP_000118897.1	0.96698	0.83961	<i>HMPREF1595_04608</i>
WP_000790504.1	0.7604	0.11446	<i>yedF</i>
WP_000922686.1	1.34887	0.31753	<i>KXD89_08780</i>
WP_001157239.1	0.83217	0.2882	<i>G711_02468</i>
WP_000218212.1	1.19218	0.21201	<i>hchA</i>
WP_000920120.1	1.01511	0.97592	<i>HMPREF1611_00004</i>
WP_001007805.1	0.69713	0.0807	<i>HMPREF1589_00386</i>
WP_001302302.1	0.90087	0.54327	<i>mtfA</i>
WP_001060244.1	1.05235	0.80156	<i>amn</i>
WP_000532923.1	0.81574	0.14591	<i>yeeN</i>
WP_001011008.1	0.83732	0.38191	<i>HMPREF1602_03546</i>
AIN32411.1	1.55139	0.13979	-
WP_001166160.1	1.14662	0.65589	<i>cobT</i>
WP_001326708.1	0.92177	0.67667	<i>cobS</i>
WP_000450409.1	0.99509	0.83975	<i>yeeX</i>
WP_001105415.1	1.26595	0.31731	<i>sbmC</i>
WP_000980589.1	0.87081	0.42242	<i>sbcB</i>
WP_000234896.1	0.87337	0.43224	<i>FSF13_012590</i>
WP_000019197.1	0.83458	0.37345	<i>plaP</i>
WP_000754737.1	1.07517	0.70841	<i>yeeZ</i>
WP_000131782.1	0.91784	0.52196	<i>hisG</i>
WP_000009594.1	0.90289	0.45104	<i>hisD</i>
WP_000108941.1	0.94242	0.64697	<i>hisC</i>
WP_000080105.1	0.93205	0.59312	<i>hisB</i>
WP_001103560.1	1.01621	0.95128	<i>hisH</i>
WP_000586462.1	0.89689	0.5266	<i>hisA</i>
WP_000880182.1	1.07384	0.71371	<i>hisF</i>
WP_000954911.1	0.92288	0.6386	<i>hisI</i>
WP_001393575.1	0.87121	0.40144	<i>G736_02383</i>
WP_000043484.1	0.89891	0.56794	<i>G736_02385</i>
WP_000520320.1	0.99207	0.91746	<i>KXD89_08400</i>
WP_000601187.1	0.96935	0.85054	<i>G736_02388</i>
WP_001407542.1	0.90456	0.45873	<i>G736_02389</i>
WP_000272486.1	0.80093	0.11397	<i>G736_02391</i>
WP_001100981.1	0.79734	0.19127	<i>G736_02393</i>
WP_000783975.1	0.99324	0.9239	<i>G736_02394</i>
WP_001023610.1	0.90633	0.56643	<i>G736_02395</i>
WP_000699460.1	0.85513	0.31803	<i>rfbB</i>
WP_000183060.1	0.85945	0.33937	<i>galF</i>

WP_000454701.1	0.97529	0.88206	<i>EKN05_005265</i>
WP_001252331.1	1.09019	0.71784	<i>ECMP0215528_2416</i>
WP_001234768.1	1.14193	0.47256	<i>dcd</i>
WP_001295424.1	0.96962	0.79361	<i>udk</i>
WP_000288420.1	1.20201	0.43624	<i>alkA</i>
WP_000469708.1	0.92492	0.55701	<i>yegD</i>
WP_000678989.1	0.99669	0.96408	<i>mdtA</i>
WP_000137877.1	1.1626	0.52469	<i>baeR</i>
WP_000476011.1	0.94256	0.6477	<i>ECMP0215528_2437</i>
WP_000844219.1	0.76809	0.06154	<i>A1UI_02300</i>
WP_000823270.1	1.09506	0.44951	<i>A1UI_02302</i>
WP_000853883.1	0.86227	0.35376	<i>gatZ</i>
WP_001307281.1	0.98345	0.89334	<i>gatY</i>
WP_000129551.1	1.1765	0.24143	<i>fbaB</i>
WP_000846217.1	1.40244	0.15058	<i>ECMP0215528_2449</i>
WP_000434038.1	0.99119	0.94309	<i>DXE50_12360</i>
WP_001005448.1	0.93436	0.81031	<i>apbC</i>
WP_001350533.1	0.89745	0.55854	<i>metG</i>
WP_000950409.1	1.01306	0.96185	<i>DXE50_12250</i>
WP_000598641.1	1.11994	0.6338	<i>yehT</i>
WP_001295431.1	1.36197	0.30183	<i>btsS</i>
WP_000569315.1	1.05652	0.86775	<i>yehX</i>
WP_001130308.1	1.13327	0.49981	<i>osmF</i>
WP_000871504.1	1.03223	0.88789	<i>bglX</i>
WP_000097403.1	0.98824	0.87114	<i>dld</i>
WP_000079538.1	1.66843	0.0846	<i>DXE50_11940</i>
WP_001264861.1	1.22307	0.5056	<i>dusC</i>
WP_000553555.1	0.8985	0.59008	<i>cdd</i>
WP_001136389.1	1.22945	0.49433	<i>A1UI_02361</i>
WP_001275118.1	0.72315	0.06204	<i>mgIC</i>
WP_000255039.1	0.93751	0.83277	<i>A1UI_02364</i>
WP_001036964.1	0.9365	0.82552	<i>mgIB</i>
WP_000628648.1	0.89936	0.59322	<i>galS</i>
WP_001139613.1	0.96036	0.99599	<i>folE</i>
WP_000425438.1	1.14694	0.56315	<i>O3K_08675</i>
WP_000489247.1	0.76181	0.05408	<i>O3K_08670</i>
WP_000253273.1	1.14713	0.6548	<i>lysP</i>
WP_000548294.1	0.80366	0.20707	<i>DXE50_11840</i>
WP_000182053.1	1.00928	0.99159	<i>DXE50_11835</i>
WP_000873894.1	1.05498	0.79053	<i>nfo</i>
WP_001292460.1	1.21944	0.5121	<i>psuG</i>
WP_000854447.1	1.12092	0.54042	<i>fruA</i>
WP_000091263.1	0.9087	0.47807	<i>fruK</i>
WP_000487246.1	0.87733	0.34117	<i>HMPREF1589_01474</i>
WP_001136827.1	0.81447	0.15691	<i>yeiP</i>
WP_001091940.1	0.87168	0.49462	<i>KXD89_07695</i>
WP_000198828.1	1.06674	0.78835	<i>yeiR</i>
WP_000470560.1	1.10437	0.75081	<i>A1UI_02392</i>



WP_000637046.1	0.99503	0.95775	KXD89_07670
WP_000194927.1	1.14992	0.64883	A1UI_02396
WP_001234850.1	1.08174	0.6827	rsuA
WP_000494183.1	0.9618	0.99581	rplY
WP_000050793.1	0.96183	0.99564	yejK
WP_001135667.1	1.16975	0.25507	yejL
WP_000256203.1	1.6667	0.67526	yejM
WP_001113639.1	0.9767	0.88458	narP
WP_001026418.1	0.983	0.91169	ccmE
WP_000778061.1	1.33821	0.21601	napA
WP_000849209.1	0.87495	0.33174	eco
WP_000758077.1	0.75345	0.16857	mgo
WP_000865568.1	0.9691	0.96088	ompC
WP_001249081.1	1.02776	0.90751	rcsD
WP_001061917.1	1.08843	0.47086	rcsB
WP_000876011.1	1.31518	0.36109	rcsC
WP_000125282.1	1.6712	0.08359	A1UI_02435
WP_000012305.1	0.94103	0.75002	ECMP0215528_2584
WP_001281242.1	0.94827	0.90967	gyrA
WP_000990765.1	0.92177	0.54128	ubiG
WP_001075164.1	0.92497	0.74408	ECMP0215528_2589
WP_000332037.1	0.96996	0.9568	DXE50_11490
WP_000779105.1	0.91747	0.69199	glpQ
WP_000948731.1	0.82277	0.18394	glpT
WP_000857257.1	1.01912	0.94584	glpA
WP_001209927.1	0.95475	0.71268	glpB
WP_001000379.1	0.91998	0.62576	A1UI_02458
WP_000921621.1	1.07118	0.77473	A1UI_02465
WP_001300392.1	1.26006	0.32704	A1UI_02466
WP_000577625.1	1.51303	0.16417	menE
WP_001255628.1	1.0908	0.71603	menC
WP_000639996.1	1.1298	0.34876	menB
WP_001295284.1	0.96612	0.84668	menD
WP_001191419.1	0.74144	0.08488	menF
WP_000070621.1	1.03499	0.66738	elaB
WP_000574091.1	1.39616	0.1561	EKN05_004155
WP_001300687.1	1.11197	0.65568	rbn
WP_000156701.1	0.87505	0.43869	nuoN
WP_001056643.1	0.96229	0.8179	nuoL
WP_000612644.1	1.01975	0.96354	nuoK
WP_000172749.1	0.93321	0.59906	nuoI
WP_000118507.1	0.83169	0.2867	nuoH
WP_000190939.1	0.901	0.58148	A1UI_02496
WP_000789500.1	0.94706	0.90098	WG3_01307
WP_000545042.1	0.85706	0.26563	nuoE
AIN32696.1	0.95838	0.9819	-
WP_000386733.1	0.95503	0.71418	nuoB
WP_000062997.1	0.86386	0.39638	nuoA

WP_000622280.1	0.75267	0.16705	<i>lrhA</i>
WP_000074527.1	0.92248	0.54482	<i>DXE50_11220</i>
WP_000813859.1	1.05261	0.83252	<i>yfbR</i>
WP_001203392.1	1.18082	0.36296	<i>A1UI_02507</i>
WP_000426124.1	0.95567	0.96257	<i>yfbU</i>
WP_000095707.1	1.07318	0.52252	<i>ackA</i>
WP_000086722.1	1.04171	0.64038	<i>EKN05_004025</i>
WP_000437935.1	0.98594	0.92729	<i>yfcD</i>
WP_000772452.1	1.27448	0.30362	<i>DXE50_11170</i>
WP_000042442.1	1.23341	0.37414	<i>O3K_07990</i>
WP_000068457.1	0.79027	0.09432	<i>foiX</i>
WP_001028341.1	1.31272	0.24809	<i>A1UI_02518</i>
WP_000737621.1	0.87205	0.32046	<i>hisJ</i>
WP_000334220.1	1.13007	0.60664	<i>purF</i>
WP_000146992.1	0.8793	0.52115	<i>dedD</i>
WP_000584546.1	0.89839	0.43061	<i>A1UI_02530</i>
WP_000118404.1	0.93667	0.82679	<i>accD</i>
WP_001283586.1	0.82385	0.34131	<i>truA</i>
WP_001289167.1	0.89327	0.4079	<i>A1UI_02534</i>
WP_000699148.1	1.01659	0.74451	<i>pdxB</i>
WP_000615834.1	1.28516	0.40396	<i>A1UI_02536</i>
WP_000817178.1	0.83789	0.24084	<i>fabB</i>
WP_000683799.1	1.03896	0.85861	<i>mnmc</i>
WP_000559764.1	0.87073	0.42213	<i>DXE50_11045</i>
WP_001043825.1	1.00321	0.9888	<i>mepA</i>
WP_001333535.1	1.0499	0.81187	<i>aroC</i>
WP_001300582.1	1.06643	0.74345	<i>prmB</i>
WP_000730806.1	1.12641	0.70027	<i>smrB</i>
WP_001195819.1	0.74198	0.14711	<i>sixA</i>
WP_000426176.1	1.09485	0.70426	<i>fadJ</i>
WP_000531952.1	1.13177	0.60217	<i>fadI</i>
WP_001296261.1	1.26369	0.19448	<i>WG3_01240</i>
WP_001295701.1	1.11543	0.38817	<i>AC28_2640</i>
WP_203277081.1	1.03011	0.89716	-
WP_000958671.1	0.93925	0.74321	<i>G925_02382</i>
WP_000703651.1	1.03725	0.8818	<i>KY274_06780</i>
WP_001030215.1	0.99925	0.98848	<i>KXD89_06785</i>
WP_000556048.1	0.84898	0.41876	
WP_000785931.1	1.03691	0.88291	<i>DXE50_10435</i>
WP_001295458.1	1.0018	0.98347	<i>DXE50_10425</i>
WP_000955906.1	0.74474	0.15209	<i>A1UI_02584</i>
WP_000170346.1	1.26782	0.10869	<i>glk</i>
WP_000376337.1	0.95579	0.7183	<i>nupC</i>
AIN32800.1	0.82082	0.33247	-
WP_000695655.1	0.94497	0.88604	<i>gltX</i>
WP_000443661.1	1.12008	0.54326	<i>ligA</i>
WP_001300494.1	0.9852	0.87953	<i>zipA</i>
WP_000254839.1	0.87679	0.51237	<i>cysZ</i>

WP_000034402.1	1.18953	0.21676	<i>cysK</i>
WP_000487600.1	0.93828	0.83824	<i>HMPREF0454_04299</i>
WP_000623140.1	0.88673	0.49155	<i>ptsl</i>
WP_000522247.1	1.092	0.45926	<i>DXE50_10250</i>
WP_000096674.1	0.78696	0.16702	<i>pdxK</i>
WP_001336044.1	1.05944	0.811	<i>cysM</i>
WP_000290230.1	0.92427	0.55375	<i>G711_02922</i>
WP_000517431.1	0.90302	0.45162	<i>ucpA</i>
WP_000966470.1	0.83993	0.39001	<i>murR</i>
WP_001159160.1	1.02985	0.90599	<i>murQ</i>
WP_001327042.1	1.14866	0.65151	<i>pbp4b</i>
WP_001350538.1	0.98689	0.88883	<i>yfeX</i>
WP_000838944.1	0.9407	0.71873	<i>EKN05_003410</i>
WP_000405996.1	1.12742	0.69801	<i>ypeA</i>
WP_000102886.1	1.42065	0.23945	<i>amiA</i>
WP_000801365.1	1.06614	0.84349	<i>hemF</i>
WP_001111023.1	1.16649	0.61414	<i>A1UI_02631</i>
WP_000372316.1	1.0459	0.89493	<i>eutC</i>
WP_000769961.1	1.05207	0.87908	<i>eutB</i>
WP_010723125.1	1.19146	0.45876	<i>yffS</i>
WP_000387713.1	0.79896	0.27235	<i>eutM</i>
WP_000342644.1	1.04063	0.64467	<i>maeB</i>
WP_000258236.1	1.55813	0.05912	<i>KXD89_06205</i>
WP_001277801.1	1.42778	0.13003	<i>dapE</i>
WP_000679799.1	1.17167	0.60356	<i>ypfH</i>
WP_001267498.1	0.98767	0.93526	<i>DXE50_09995</i>
WP_001295467.1	0.95145	0.9324	<i>purC</i>
WP_001297320.1	1.00867	0.77897	<i>bamC</i>
WP_001311023.1	0.9517	0.93415	<i>dapA</i>
WP_000176187.1	0.9853	0.88006	<i>EKN05_003185</i>
WP_001068682.1	0.81109	0.14676	<i>EKN05_003180</i>
WP_000489667.1	1.28526	0.28702	<i>bepA</i>
WP_000166446.1	1.00122	0.96785	<i>arsC</i>
WP_001307333.1	0.90707	0.62162	<i>hda</i>
WP_000198328.1	0.7067	0.09262	<i>uraA</i>
WP_001295473.1	0.77533	0.06619	<i>upp</i>
WP_001336050.1	1.00042	0.96347	<i>purM</i>
WP_001028612.1	0.85519	0.439	<i>purN</i>
WP_000529576.1	1.12344	0.53198	<i>ppk1</i>
WP_001121363.1	0.97549	0.82592	<i>O3K_06910</i>
WP_000076001.1	1.23994	0.47621	<i>O3K_06895</i>
WP_000138270.1	0.81645	0.16311	<i>guaA</i>
WP_001299507.1	0.88395	0.47478	<i>guaB</i>
WP_000937912.1	0.90682	0.56856	<i>xseA</i>
WP_001301158.1	1.02227	0.95683	<i>KXD89_06000</i>
WP_000249410.1	1.06411	0.75287	<i>engA</i>
WP_001177052.1	1.09114	0.46203	<i>bamB</i>
WP_000409205.1	1.0171	0.95489	<i>DXE50_09780</i>

WP_001107167.1	0.95132	0.93145	<i>hisS</i>
WP_000551807.1	0.88355	0.47235	<i>ispG</i>
WP_001090866.1	1.13607	0.49087	<i>rodZ</i>
WP_000003317.1	0.81154	0.13628	<i>trmG/rlmN</i>
WP_000963837.1	1.10469	0.41972	<i>ndk</i>
WP_000736312.1	0.98936	0.90248	<i>yfhM</i>
WP_000108626.1	1.23555	0.24251	<i>sseA</i>
WP_001295479.1	0.99071	0.9493	<i>sseB</i>
WP_000523616.1	1.13995	0.58089	<i>iscX</i>
WP_001124469.1	1.43	0.12835	<i>fdx</i>
WP_001196613.1	1.35691	0.08833	<i>hscA</i>
WP_000384413.1	0.78642	0.16581	<i>hscB</i>
WP_000028953.1	0.94454	0.7362	<i>iscA</i>
WP_000331707.1	0.79767	0.11094	<i>iscU</i>
WP_001295373.1	0.94137	0.86032	<i>iscS</i>
WP_001241357.1	1.22067	0.27156	<i>iscR</i>
WP_000940019.1	0.97095	0.80094	<i>trmJ</i>
WP_000553451.1	1.07898	0.50247	<i>suhB</i>
WP_000982994.1	0.83756	0.38265	<i>csiE</i>
WP_000919159.1	0.97189	0.94767	<i>glyA</i>
WP_000717694.1	0.83192	0.18729	<i>glnB</i>
WP_001295369.1	1.1088	0.66452	<i>A1UI_02746</i>
WP_001215861.1	1.43173	0.22904	<i>qseG</i>
WP_000970102.1	1.03612	0.87093	<i>purL</i>
WP_001013779.1	0.95278	0.79524	<i>DXE50_09565</i>
WP_001297412.1	1.0606	0.76724	<i>pdxJ</i>
WP_000020749.1	0.85215	0.24899	<i>era</i>
WP_001068343.1	0.98012	0.85145	<i>rnc</i>
WP_000002541.1	1.03195	0.89912	<i>lepB</i>
WP_000790168.1	1.00091	0.8135	<i>lepA</i>
WP_000812053.1	1.05425	0.82733	<i>rseB</i>
WP_001168459.1	0.93867	0.70947	<i>rseA</i>
WP_001295364.1	1.52798	0.15424	<i>rpoE</i>
WP_001094491.1	1.04256	0.86461	<i>nadB</i>
WP_001295363.1	0.77599	0.21627	<i>trmN</i>
WP_000219203.1	1.04573	0.82956	<i>srmB</i>
WP_000627807.1	1.12902	0.35081	<i>grcA</i>
WP_001262716.1	1.12128	0.63017	<i>ung</i>
WP_000997403.1	0.90984	0.64005	<i>DXE50_09455</i>
WP_001098726.1	0.9575	0.79576	<i>trxC</i>
WP_001300438.1	0.70805	0.0944	<i>A1UI_02775</i>
WP_000083005.1	1.14827	0.5598	<i>pat</i>
WP_000949265.1	1.08856	0.65651	<i>pssA</i>
WP_000841103.1	1.16769	0.5126	<i>kgtP</i>
WP_001235102.1	1.03119	0.68293	<i>clpB</i>
WP_000040169.1	1.19316	0.45507	<i>pgeF</i>
WP_000079100.1	1.1375	0.48635	<i>rluD</i>
WP_000197686.1	0.96121	0.99864	<i>bamD</i>

WP_000200120.1	0.96535	0.77023	A1UI_02786
WP_000225229.1	1.01243	0.96396	<i>tyrA</i>
WP_001168037.1	0.92162	0.6761	<i>aroF</i>
pdb 6H58 PP	0.82254	0.18316	-
WP_000264777.1	1.1373	0.58773	<i>trmD</i>
WP_000043335.1	0.88733	0.3823	<i>rimM</i>
WP_000256450.1	0.98102	0.90466	<i>rpsP</i>
WP_000460035.1	0.89165	0.52183	<i>ffh</i>
WP_001393454.1	1.04405	0.6311	<i>grpE</i>
WP_001059169.1	1.07177	0.82946	<i>nadK</i>
WP_001117838.1	0.89785	0.5877	DXE50_09280
WP_001300750.1	1.06657	0.84242	<i>ratA</i>
WP_000162574.1	1.06712	0.78717	<i>smpB</i>
WP_000101723.1	0.93909	0.7426	KXD89_05435
WP_000155570.1	0.97919	0.89708	<i>mIA</i>
WP_000993126.1	1.16669	0.40038	<i>csiD</i>
WP_000772831.1	1.30591	0.07583	<i>gabD</i>
WP_001087611.1	1.30406	0.07719	<i>gabT</i>
WP_001229442.1	1.13745	0.67578	A1UI_02878
WP_000115383.1	1.03327	0.88333	<i>stpA</i>
WP_001295174.1	1.14049	0.57952	DXE50_18090
WP_000985494.1	0.97507	0.93261	<i>proV</i>
WP_000774988.1	0.99532	0.93538	<i>proW</i>
WP_001216525.1	0.90089	0.58076	DXE50_18140
WP_000378442.1	0.9925	0.91983	<i>emrR</i>
WP_001326681.1	0.94004	0.71571	<i>emrA</i>
WP_001130211.1	1.32891	0.06059	<i>luxS</i>
WP_000611804.1	1.03727	0.86594	<i>gshA</i>
WP_000273290.1	1.08776	0.79032	A1UI_02899
WP_000906486.1	1.13704	0.48782	<i>csrA</i>
WP_000047184.1	0.95644	0.96805	<i>alaS</i>
WP_000963143.1	1.2193	0.16814	<i>recA</i>
WP_000132231.1	0.99248	0.9197	<i>pncC</i>
WP_001295177.1	1.11995	0.63377	<i>mltB</i>
WP_000148878.1	0.75692	0.10856	<i>srIE</i>
WP_000216194.1	0.76981	0.06372	A1UI_02912
WP_001077358.1	0.79681	0.10605	<i>srID</i>
WP_000804550.1	0.88323	0.47084	<i>srIR</i>
WP_001287420.1	1.09011	0.65065	WG3_03337
WP_001394680.1	1.34031	0.32815	<i>ascG</i>
WP_000337665.1	1.17646	0.59389	<i>hypB</i>
WP_001212985.1	1.44872	0.21384	<i>hypD</i>
WP_001272928.1	0.96503	0.76848	<i>mutS</i>
WP_001272592.1	1.39434	0.06291	<i>nlpD</i>
WP_000254708.1	1.2972	0.3863	<i>pcm</i>
WP_001295182.1	0.95063	0.76412	<i>surE</i>
WP_000568943.1	0.92631	0.65384	<i>truD</i>
WP_001219242.1	0.91311	0.49903	<i>ispF</i>

WP_000246138.1	0.92314	0.68185	<i>ispD</i>
WP_000517476.1	0.9756	0.88324	<i>ftsB</i>
WP_001173673.1	1.19632	0.555	<i>cysC</i>
WP_001090361.1	1.04254	0.8432	<i>cysN</i>
WP_000372108.1	0.92547	0.65009	<i>cysD</i>
WP_000039850.1	1.04551	0.85515	<i>cysH</i>
WP_001290679.1	1.0656	0.7468	<i>cysI</i>
WP_000211913.1	1.07105	0.7248	<i>cysJ</i>
WP_000108294.1	0.95664	0.7918	<i>queD</i>
WP_000036723.1	0.85492	0.31701	<i>eno</i>
WP_000210878.1	0.89381	0.53541	<i>pyrG</i>
WP_001071648.1	1.34612	0.32091	<i>mazG</i>
WP_000254738.1	0.76739	0.1972	<i>A1UI_02996</i>
WP_000226815.1	1.02108	0.93501	<i>DXE50_18695</i>
WP_000046812.1	1.05836	0.86307	<i>rumA</i>
WP_000186450.1	1.11055	0.73642	<i>barA</i>
WP_000098255.1	1.28276	0.29079	<i>gudD</i>
WP_000807753.1	1.07399	0.7131	<i>EKN05_002460</i>
WP_000206990.1	1.00779	0.9796	<i>ECMP0215528_3251</i>
WP_000342431.1	1.3304	0.34082	<i>syd</i>
WP_000100421.1	0.90839	0.5753	<i>queF</i>
WP_000627995.1	1.12159	0.37088	<i>ppnN</i>
WP_000450476.1	0.88077	0.35507	<i>DXE50_18755</i>
WP_000013588.1	1.18063	0.48275	<i>fucO</i>
WP_000724153.1	1.05581	0.82242	<i>fucl</i>
WP_000920840.1	1.24973	0.34471	<i>fucU</i>
WP_000642344.1	0.95771	0.81426	<i>fucR</i>
WP_001045520.1	0.98232	0.91059	<i>rlmM</i>
WP_000044401.1	0.99659	0.9637	<i>gcvA</i>
WP_000750398.1	0.83743	0.30489	<i>DXE50_18820</i>
WP_001300698.1	0.97257	0.87157	<i>O3K_05445</i>
WP_000184261.1	0.96752	0.84209	<i>A1UI_03026</i>
WP_000117728.1	0.89311	0.5109	<i>O3K_05435</i>
WP_000678646.1	0.95395	0.77938	<i>mltA</i>
WP_001138201.1	0.94143	0.72205	<i>ptrA</i>
WP_000946938.1	0.94018	0.7468	<i>recC</i>
WP_000816232.1	1.26197	0.32386	<i>thyA</i>
WP_000204658.1	0.96918	0.84976	<i>lgt</i>
WP_000957910.1	0.92602	0.56252	<i>EL76_1009</i>
WP_000564489.1	0.95422	0.8008	<i>rppH</i>
WP_001199295.1	1.15793	0.42496	<i>EKN05_001155</i>
WP_000899054.1	0.72085	0.05953	<i>aas</i>
WP_000201063.1	0.99256	0.94834	<i>A311_03510</i>
WP_001120711.1	0.71058	0.09779	<i>lysA</i>
WP_000848659.1	1.03134	0.89179	<i>ygeA</i>
WP_000256438.1	1.08056	0.49708	<i>DXE50_18990</i>
WP_000603502.1	1.12956	0.608	<i>HMPREF1620_04171</i>
WP_000383237.1	1.2067	0.53542	<i>kdul</i>

WP_000656030.1	0.79923	0.1959	KXD89_04355
WP_000065950.1	0.8269	0.272	DXE50_19010
WP_001301085.1	0.69628	0.0797	ECMP0215528_3346
WP_000417791.1	0.84713	0.41282	A1UI_03071
WP_000502395.1	1.15547	0.63706	ygfK
WP_001192820.1	1.30868	0.37003	idi
WP_000003071.1	0.96519	0.97954	lysS
WP_010723217.1	0.9896	0.86485	prfB
WP_000813200.1	0.96019	0.80819	recJ
WP_000715214.1	0.84558	0.22774	dsbC
WP_000806638.1	1.11667	0.72233	xerD
WP_001055874.1	0.83566	0.19787	fldB
WP_000354046.1	1.33009	0.22583	sdhE
WP_000886062.1	1.07418	0.51902	ygfZ
QRG61511.1	1.18797	0.34505	-
WP_000195062.1	0.79551	0.10584	gcvP
WP_000068701.1	0.77888	0.07218	gcvT
WP_001192229.1	1.114	0.65007	ubil
WP_000111195.1	1.60437	0.11159	ubiH
WP_001290136.1	1.18123	0.3619	pepP
WP_001295378.1	0.86812	0.41225	ygfB
WP_001276008.1	1.02403	0.92523	zapA
WP_001151604.1	0.88417	0.47606	DXE50_19325
WP_000189743.1	0.94454	0.88297	rpiA
WP_000828351.1	0.99858	0.9854	argP
WP_000669834.1	1.07622	0.51194	DXE50_19370
WP_000389818.1	1.0984	0.43901	mscS
WP_000034372.1	0.92259	0.72742	fbaA
WP_000111269.1	0.91938	0.70521	pgk
WP_000218480.1	1.03837	0.86116	epd
WP_000098614.1	0.9174	0.69154	ECMP0215528_3427
WP_000105566.1	0.92297	0.73014	speB
WP_001300904.1	0.98091	0.90517	speA
WP_001062128.1	1.02225	0.72031	metK
WP_001222509.1	0.97499	0.82316	rsmE
WP_000593273.1	1.0052	0.79434	gshB
WP_001053178.1	0.98693	0.88908	yqgE
WP_000017106.1	1.02042	0.96174	yqgF
WP_000997795.1	0.85003	0.24199	yggS
WP_001094831.1	0.9601	0.74165	yggT
WP_001174777.1	0.91436	0.50507	A1UI_03160
WP_000239943.1	1.10151	0.75753	A1UI_03161
WP_000984796.1	1.06997	0.72915	DXE50_19655
WP_001107564.1	0.88735	0.49533	DXE50_19660
WP_000786911.1	1.07689	0.50962	trmB
WP_000091700.1	0.94561	0.89062	yggX
WP_000760323.1	1.29862	0.38426	mltC
WP_001049791.1	1.0832	0.80137	nupG

WP_001326492.1	0.85629	0.36895	A1UI_03171
WP_000084131.1	1.00433	0.79821	<i>glcB</i>
WP_000853256.1	1.01126	0.9811	DXE50_19835
WP_001297764.1	0.87408	0.50292	ECMP0215528_3474
WP_001297309.1	1.14967	0.4491	EKN05_000500
WP_001295515.1	1.40249	0.05834	ECMP0215528_3491
WP_001221939.1	1.54416	0.14411	A1UI_03277
WP_000083065.1	1.29023	0.27962	<i>hybC</i>
WP_000262172.1	1.14796	0.45421	AB05_3609
WP_000439331.1	1.14098	0.57826	<i>yqhA</i>
WP_000018760.1	1.19011	0.3398	ECMP0215528_3505
WP_001240712.1	0.75711	0.10887	<i>exbD</i>
WP_000527844.1	0.76883	0.06248	DXE50_20010
WP_001301079.1	1.54333	0.06482	G894_03028
WP_000268419.1	1.4819	0.18673	DXE50_20020
WP_001058802.1	0.95878	0.9847	<i>yqhD</i>
WP_000095187.1	0.92179	0.63376	<i>ygiQ</i>
WP_000059388.1	0.95324	0.77615	<i>ftsP</i>
WP_000965722.1	0.92072	0.62902	A1UI_03298
WP_001281881.1	0.96355	0.7604	<i>parC</i>
WP_001295629.1	1.23444	0.24459	A1UI_03300
WP_001221495.1	1.25505	0.33553	<i>qseB</i>
WP_000673402.1	1.11814	0.71898	A1UI_03306
WP_000065430.1	0.95276	0.70197	<i>mdaB</i>
WP_000958598.1	1.1047	0.59692	DXE50_20115
WP_000195296.1	0.94568	0.66419	<i>parE</i>
WP_000444747.1	1.00549	0.98738	<i>cpdA</i>
WP_000917117.1	0.93369	0.68693	DXE50_20140
WP_000831543.1	1.00905	0.97536	<i>ygiB</i>
WP_000442860.1	1.10978	0.57884	DXE50_20155
WP_001076997.1	1.25156	0.21411	<i>ribB</i>
WP_001295626.1	0.92386	0.55172	<i>ubiK</i>
WP_000350095.1	1.15819	0.63134	<i>glgS</i>
WP_000869178.1	1.03179	0.68047	<i>hldE</i>
WP_001301081.1	1.0432	0.84037	<i>glnE</i>
WP_000708487.1	1.0962	0.70034	<i>cca</i>
WP_001295541.1	0.93275	0.68268	<i>folB</i>
WP_001264352.1	0.88736	0.38245	<i>tsaD</i>
pdb 6H58 uu	0.79382	0.10198	-
WP_000918827.1	0.82238	0.33699	<i>dnaG</i>
WP_000437376.1	1.02152	0.72343	<i>rpoD</i>
WP_000228937.1	1.13654	0.58971	<i>mug</i>
WP_000018003.1	0.98247	0.91128	EKN05_000130
WP_000094721.1	1.60313	0.11219	HMPREF1599_02928
WP_001301395.1	1.18725	0.57253	<i>ygjG</i>
WP_000450594.1	0.81404	0.31316	HMPREF1599_02930
WP_000212475.1	1.17797	0.48879	HMPREF1599_02931
WP_000695487.1	0.96216	0.83142	<i>ygjK</i>



WP_000018695.1	0.97376	0.87098	<i>rlmG</i>
WP_000617698.1	0.98839	0.9386	<i>KXD89_03155</i>
WP_001098806.1	0.67892	0.06112	<i>ECMP0215528_3592</i>
WP_000211655.1	1.04169	0.90583	<i>sstT</i>
WP_001199390.1	1.60044	0.11349	<i>HMPREF1599_02950</i>
WP_000187442.1	1.07203	0.7209	<i>uxaC</i>
WP_000406488.1	0.91969	0.6245	<i>exuR</i>
WP_001295543.1	1.06115	0.85604	<i>DXE50_20445</i>
WP_000096091.1	1.54683	0.1425	<i>HMPREF1599_02960</i>
WP_000531213.1	1.37888	0.28255	<i>HMPREF1599_02962</i>
WP_001041009.1	1.14799	0.5605	<i>DXE50_20485</i>
WP_000622126.1	0.79908	0.27267	<i>A1UI_03392</i>
WP_000719990.1	0.96482	0.76734	<i>DXE50_20515</i>
WP_000861734.1	0.76558	0.12365	<i>O3K_03370</i>
WP_000107723.1	0.91052	0.63446	<i>tdcC</i>
WP_001307405.1	1.33437	0.3357	<i>O3K_03300</i>
WP_000072187.1	0.9107	0.63514	<i>DXE50_20600</i>
WP_001336162.1	1.31749	0.35795	<i>agaV</i>
WP_000809262.1	0.86695	0.30113	<i>rsml</i>
WP_000249104.1	0.92075	0.53625	<i>lpoA</i>
WP_001158034.1	0.78199	0.15614	<i>diaA</i>
WP_000646033.1	1.08734	0.66115	<i>ECMP0215528_3660</i>
WP_000147574.1	1.36264	0.30105	<i>A1UI_03435</i>
WP_001300423.1	1.14433	0.66082	<i>A1UI_03436</i>
WP_000908554.1	1.0288	0.90293	<i>DXE50_20720</i>
WP_001295552.1	0.84861	0.41756	<i>ubiT</i>
WP_000130380.1	1.01555	0.95347	<i>O3K_03135</i>
WP_000224351.1	0.96026	0.82407	<i>DXE50_20745</i>
WP_001295553.1	0.9968	0.83199	<i>deaD</i>
WP_000802080.1	0.9786	0.89338	<i>nlpI</i>
WP_001295554.1	0.95436	0.95321	<i>pnp</i>
WP_000089698.1	0.86335	0.39453	<i>truB</i>
WP_001040205.1	1.00792	0.7823	<i>rbfA</i>
WP_000133044.1	1.03721	0.65839	<i>infB</i>
WP_001031057.1	0.95611	0.96571	<i>nusA</i>
WP_001300397.1	0.90407	0.4565	<i>rimP</i>
WP_000207680.1	1.33546	0.05679	<i>argG</i>
WP_001295556.1	0.94819	0.67753	<i>secG</i>
WP_000071134.1	0.92215	0.72436	<i>glmM</i>
WP_000764731.1	1.12615	0.52297	<i>folP</i>
WP_001107467.1	0.99334	0.84775	<i>ftsH</i>
WP_000145975.1	1.01285	0.96256	<i>rlmE</i>
WP_001054420.1	0.78554	0.16385	<i>yhbY</i>
WP_001148001.1	0.98007	0.90911	<i>greA</i>
WP_001212619.1	0.96331	0.8226	<i>WG3_03920</i>
WP_000673575.1	0.90028	0.43914	<i>cgtA</i>
pdb 6H58 WW	0.77099	0.05942	-
WP_000271401.1	0.9449	0.88549	<i>rplU</i>

WP_001047336.1	0.80322	0.11855	<i>ispB</i>
WP_000357259.1	0.9125	0.65801	<i>murA</i>
WP_000429656.1	0.73331	0.07408	<i>ibaG</i>
WP_000004488.1	1.21355	0.41257	<i>mIaB</i>
WP_000476487.1	1.16128	0.27304	<i>mIaC</i>
WP_001296448.1	1.23207	0.24908	<i>mIaD</i>
WP_000925795.1	1.20725	0.42536	<i>mIaE</i>
WP_000438245.1	1.53797	0.067	<i>mIaF</i>
WP_001295557.1	0.98132	0.85808	<i>kdsD</i>
WP_000030005.1	1.09739	0.62351	<i>kdsC</i>
WP_000030537.1	1.02787	0.91252	<i>lptC</i>
WP_000669785.1	0.99437	0.93014	<i>lptA</i>
WP_000224099.1	1.10111	0.60989	<i>lptB</i>
WP_000809057.1	1.13619	0.5906	<i>rpoN</i>
WP_001176599.1	1.39991	0.15278	<i>DXE50_20960</i>
WP_000183676.1	0.8531	0.25214	<i>ptsN</i>
WP_000243741.1	1.11752	0.55199	<i>rapZ</i>
WP_001300411.1	1.08893	0.46923	<i>elbB</i>
WP_000809774.1	0.96455	0.76589	<i>arcB</i>
WP_000054239.1	0.84213	0.21704	<i>nanE</i>
WP_000108454.1	0.73214	0.0726	<i>nanT</i>
WP_000523845.1	0.88501	0.47796	<i>nanR</i>
WP_000366129.1	1.04911	0.84363	<i>sspB</i>
WP_000257293.1	1.01306	0.75977	<i>sspA</i>
WP_000829818.1	0.87681	0.43293	<i>rpsI</i>
WP_000847559.1	0.89324	0.53181	<i>rplM</i>
WP_001192332.1	0.88128	0.4631	<i>zapE</i>
WP_001295270.1	0.94112	0.85852	<i>DXE50_21085</i>
WP_001295271.1	1.01302	0.9732	<i>degQ</i>
WP_000497723.1	1.18585	0.57526	<i>DXE50_21095</i>
WP_001295272.1	1.07112	0.52979	<i>mdh</i>
WP_001257846.1	0.89371	0.40985	<i>argR</i>
WP_000055909.1	0.97701	0.83431	<i>tIdD</i>
WP_001253618.1	0.84257	0.39829	<i>yhdP</i>
WP_000123197.1	1.09228	0.64248	<i>DXE50_21150</i>
WP_000203105.1	1.13119	0.6037	<i>A1UI_03526</i>
WP_000802511.1	0.95799	0.79803	<i>WG3_03983</i>
WP_000913396.1	0.93526	0.8167	<i>mreB</i>
WP_001241469.1	1.20309	0.54217	<i>A1UI_03530</i>
WP_001148481.1	1.14902	0.30083	<i>EL76_0511</i>
WP_000884639.1	0.95213	0.93722	<i>accC</i>
WP_001175728.1	1.12438	0.70484	<i>panF</i>
WP_001145827.1	1.09616	0.62805	<i>prmA</i>
WP_000462905.1	1.05662	0.7837	<i>fis</i>
WP_001286216.1	1.18425	0.2265	<i>EKN05_022560</i>
WP_000451243.1	1.01544	0.95383	<i>aroE</i>
WP_001301412.1	0.84471	0.32886	<i>tsaC</i>
WP_001129722.1	0.9702	0.86245	<i>A1UI_03556</i>

WP_000114984.1	0.97423	0.81895	<i>def</i>
WP_000004473.1	1.01505	0.96406	<i>fmt</i>
WP_000744778.1	0.93813	0.62453	<i>rsmB</i>
WP_000691382.1	1.1033	0.68001	<i>trkA</i>
WP_000022442.1	1.16824	0.39613	<i>mscL</i>
WP_000285607.1	0.80975	0.30124	<i>zntR</i>
WP_001216368.1	1.02364	0.71443	<i>rplQ</i>
WP_001162094.1	0.99897	0.82219	<i>rpoA</i>
pdb 7OI0 D	0.97051	0.95421	-
pdb 6H58 kk	0.83955	0.24772	-
pdb 6H58 mm	0.92864	0.76983	-
WP_001118861.1	0.90465	0.45915	<i>secY</i>
pdb 6H58 LL	0.85285	0.30711	-
pdb 6H58 ZZ	0.78675	0.08691	-
pdb 7OE0 E	0.97401	0.9376	-
pdb 6H58 OO	0.92819	0.7667	-
pdb 6H58 GG	0.93849	0.83974	-
WP_000062611.1	0.84431	0.26806	<i>rpsH</i>
pdb 7OE0 N	0.88676	0.49171	-
WP_001096200.1	0.87431	0.41871	<i>rplE</i>
WP_000729185.1	1.00655	0.78835	<i>rplX</i>
WP_000613955.1	0.87788	0.43909	<i>rplN</i>
pdb 6H58 qq	0.89272	0.52854	-
WP_000644741.1	0.89748	0.55876	<i>rpmC</i>
WP_000941212.1	0.90928	0.63629	<i>rplP</i>
pdb 7OE0 C	1.00222	0.80759	-
WP_000447529.1	1.05715	0.58071	<i>rplV</i>
pdb 6H58 ss	0.92011	0.71023	-
pdb 6H58 CC	0.89626	0.55092	-
WP_000617544.1	0.80855	0.13941	<i>rplW</i>
WP_000424395.1	0.92512	0.74513	<i>rplD</i>
WP_000579833.1	0.92944	0.77552	<i>rplC</i>
WP_001181004.1	0.96326	0.98878	<i>rpsJ</i>
WP_000675504.1	1.22793	0.15588	<i>bfr</i>
WP_000031784.1	0.93475	0.81313	<i>tuf</i>
WP_000124700.1	0.90292	0.59404	<i>fusA</i>
pdb 7OE0 G	0.88097	0.45708	-
pdb 7OI0 L	0.87828	0.44138	-
WP_000903373.1	1.42639	0.234	<i>tusB</i>
WP_000820714.1	0.7291	0.12524	<i>tusC</i>
WP_000091466.1	1.02393	0.92445	<i>DXE50_21575</i>
WP_000838250.1	1.08962	0.46696	<i>A1UI_03620</i>
WP_001153615.1	0.87565	0.44104	<i>slyX</i>
WP_000861334.1	0.94707	0.90107	<i>DXE50_21590</i>
WP_001007730.1	1.38017	0.17097	<i>DXE50_21595</i>
WP_000634798.1	0.90114	0.44306	<i>DXE50_21610</i>
WP_000057356.1	0.84479	0.40534	<i>A1UI_03627</i>
WP_001274680.1	1.01082	0.98311	<i>DXE50_21625</i>

WP_001148908.1	1.08364	0.67535	<i>EKN05_022235</i>
WP_000242755.1	0.9654	0.97856	<i>GA0061070_104725</i>
WP_000963792.1	1.00139	0.99822	<i>argD</i>
WP_001280641.1	1.42287	0.23733	<i>DXE50_21655</i>
WP_000477225.1	1.24037	0.13957	<i>ppiA</i>
WP_000049208.1	1.55275	0.06114	<i>nirB</i>
WP_000084764.1	1.29082	0.39558	<i>nirD</i>
WP_000349855.1	1.12398	0.53018	<i>cysG</i>
WP_001276847.1	1.23564	0.48357	<i>phoB</i>
WP_001254790.1	1.02616	0.94652	<i>KXD89_01675</i>
WP_000165552.1	0.90396	0.60089	<i>trpS</i>
WP_001031729.1	1.04492	0.85704	<i>gph</i>
WP_000816280.1	1.02682	0.70108	<i>rpe</i>
WP_000742143.1	0.80532	0.28921	<i>O3K_02135</i>
WP_000343215.1	0.92126	0.5388	<i>damX</i>
WP_000439848.1	0.93359	0.60105	<i>aroB</i>
WP_000818618.1	0.79295	0.10003	<i>aroK</i>
WP_001336003.1	0.89181	0.40155	<i>mrcA</i>
WP_000045744.1	1.03131	0.9012	<i>nudE</i>
WP_000104533.1	0.94842	0.75398	<i>igaA</i>
WP_001295168.1	0.88688	0.48548	<i>DXE50_21820</i>
WP_000660483.1	0.75215	0.16604	<i>O3K_02070</i>
WP_001135574.1	0.95535	0.96026	<i>hslO</i>
WP_001265681.1	0.92218	0.72458	<i>pckA</i>
WP_000980727.1	1.20771	0.18585	<i>KXD89_01555</i>
WP_001200455.1	1.11135	0.73457	<i>feoA</i>
WP_000737039.1	1.00266	0.997	<i>feoB</i>
WP_001060070.1	0.91055	0.63455	<i>bioH</i>
WP_000619389.1	0.88969	0.50969	<i>nfuA</i>
WP_001131758.1	0.78856	0.17061	<i>gntT</i>
WP_000815099.1	1.05789	0.81588	<i>DXE50_21955</i>
WP_000371928.1	0.7822	0.23069	<i>glpE</i>
WP_000448136.1	0.78828	0.09002	<i>glpD</i>
WP_000993449.1	1.24295	0.22903	<i>DXE50_21995</i>
WP_001197646.1	1.34817	0.09544	<i>glgA</i>
WP_000253975.1	1.35167	0.09253	<i>glgC</i>
WP_000192523.1	1.33964	0.21433	<i>glgX</i>
WP_000799956.1	1.06041	0.56859	<i>asd</i>
WP_000210111.1	0.86368	0.46731	<i>gntU</i>
WP_000730252.1	1.10354	0.67933	<i>A13A_03767</i>
WP_000639811.1	1.30925	0.25275	<i>DXE50_22045</i>
WP_000236293.1	1.02518	0.70797	<i>DXE50_22050</i>
WP_001295206.1	1.35388	0.19812	<i>G711_04008</i>
WP_000595082.1	1.45722	0.20658	<i>ggt</i>
WP_000825996.1	1.58391	0.0503	<i>EKN05_021790</i>
WP_000073623.1	0.97313	0.86804	<i>ugpQ</i>
WP_000907792.1	1.66345	0.08645	<i>EL76_0318</i>
WP_000803190.1	1.37752	0.07338	<i>A1UI_03729</i>

WP_000778768.1	1.31378	0.12859	<i>panM</i>
WP_001042003.1	0.96195	0.81631	<i>ftsX</i>
WP_000617723.1	0.9832	0.89451	<i>ftsE</i>
WP_001040654.1	0.88946	0.39141	<i>ftsY</i>
WP_000743193.1	1.02243	0.93051	<i>ECMP0215528_3971</i>
WP_001311191.1	1.58098	0.12332	<i>KXD89_01265</i>
WP_000042895.1	0.83379	0.37104	<i>KXD89_01260</i>
WP_000106551.1	0.98919	0.90157	<i>zntA</i>
WP_000130621.1	0.97513	0.87731	<i>tusA</i>
WP_001245295.1	1.34542	0.05142	<i>dcrB</i>
WP_001190062.1	0.84818	0.3406	<i>nikR</i>
WP_000149156.1	0.95467	0.80251	<i>G711_04052</i>
WP_000361477.1	1.22999	0.25307	<i>KXD89_01155</i>
WP_000439170.1	1.07128	0.77441	<i>KXD89_01130</i>
WP_000902780.1	1.04204	0.84536	<i>DXE50_22455</i>
WP_000323571.1	1.1982	0.20152	<i>uspA</i>
WP_000686620.1	0.76146	0.11631	<i>rsmJ</i>
WP_001298719.1	0.91504	0.67531	<i>HMPREF1595_03282</i>
WP_001300574.1	0.88909	0.49444	<i>rlmJ</i>
WP_000160816.1	0.9435	0.87554	<i>gorA</i>
WP_001296814.1	1.0796	0.81017	<i>DXE50_22570</i>
WP_001298717.1	1.33107	0.11085	<i>hdeB</i>
WP_000756550.1	1.09764	0.62258	<i>hdeA</i>
WP_001081984.1	1.4869	0.18293	<i>mdtE</i>
WP_000784827.1	1.06903	0.83628	<i>ccp</i>
WP_000934216.1	1.29964	0.38279	<i>treF</i>
WP_000357790.1	0.90655	0.6197	<i>KXD89_00965</i>
WP_000191237.1	1.34949	0.31677	<i>A1UI_03828</i>
WP_000037562.1	0.81858	0.15268	<i>WG3_04286</i>
WP_001163141.1	0.99616	0.97431	<i>A1UI_03833</i>
WP_000858214.1	0.83714	0.20214	<i>dctA</i>
WP_001266293.1	0.98381	0.9148	<i>hmsP</i>
WP_000107012.1	1.27309	0.30583	<i>A1UI_03843</i>
WP_001196486.1	1.1982	0.32058	<i>dppD</i>
WP_000084677.1	1.34697	0.31986	<i>dppC</i>
WP_000938855.1	1.10226	0.68298	<i>ECMP0215528_4093</i>
WP_001222883.1	1.2582	0.11876	<i>dppA</i>
WP_001269197.1	0.7458	0.15404	<i>HMPREF1620_03849</i>
WP_000438957.1	1.28784	0.39997	<i>tag</i>
WP_000013950.1	1.05959	0.81056	<i>bisC</i>
WP_000747625.1	1.05379	0.79552	<i>DXE50_22830</i>
WP_000805038.1	0.91905	0.70289	<i>ghrB</i>
WP_000190516.1	1.16751	0.39813	<i>DXE50_22840</i>
WP_000014594.1	0.93057	0.78347	<i>cspA</i>
WP_001291772.1	0.93466	0.81249	<i>glyS</i>
WP_001168560.1	0.96849	0.96381	<i>glyQ</i>
WP_000275334.1	1.20383	0.54079	<i>xyIB</i>
WP_001149591.1	0.79146	0.09675	<i>xyIA</i>

WP_000694881.1	0.98429	0.87449	<i>DXE50_22900</i>
WP_000494484.1	0.76096	0.18365	<i>DXE50_22915</i>
WP_000144363.1	0.9578	0.72916	<i>avtA</i>
WP_000514240.1	1.14599	0.65724	<i>A1UI_03880</i>
WP_000164036.1	0.77289	0.13749	<i>O3K_00925</i>
WP_000183980.1	1.27853	0.17251	<i>aldB</i>
WP_000582468.1	1.07355	0.76751	<i>selB</i>
WP_000206275.1	0.93824	0.70753	<i>selA</i>
WP_000779792.1	1.07828	0.75319	<i>DXE50_23010</i>
WP_000072850.1	0.91789	0.66202	<i>O3K_00870</i>
WP_000093247.1	1.08089	0.68597	<i>O3K_00845</i>
WP_000645439.1	1.19184	0.21262	<i>mtlD</i>
WP_000517100.1	1.49101	0.08929	<i>DXE50_23040</i>
WP_000665680.1	0.96878	0.84792	<i>ECMP0215528_4158</i>
WP_000586962.1	0.88241	0.4656	<i>lldD</i>
WP_000932347.1	1.14459	0.56907	<i>trmL</i>
WP_001277561.1	1.04224	0.86566	<i>cysE</i>
WP_001076194.1	1.16025	0.41834	<i>gpsA</i>
WP_000003377.1	1.05716	0.58069	<i>secB</i>
WP_000024392.1	0.89496	0.41534	<i>grxC</i>
WP_001156181.1	1.08939	0.65339	<i>DXE50_23100</i>
WP_001350558.1	0.89747	0.5587	<i>gpmM</i>
AIN33940.1	0.96312	0.83513	-
WP_000646007.1	0.97811	0.91828	<i>tdh</i>
WP_001213834.1	1.07911	0.50202	<i>kbl</i>
WP_000842820.1	1.00178	1	<i>yibB</i>
WP_000587764.1	0.96109	0.99921	<i>rfaD</i>
WP_000699219.1	0.81571	0.31785	<i>O3K_00725</i>
WP_001264584.1	1.02882	0.93949	<i>rfaC</i>
WP_001395405.1	1.083	0.80187	<i>waaL</i>
WP_001236433.1	0.79039	0.25056	<i>KXD89_00410</i>
WP_000790279.1	0.93428	0.72421	<i>waaZ</i>
WP_000615254.1	0.85928	0.37966	<i>rfaY</i>
WP_000376841.1	0.95025	0.78548	<i>rfaJ</i>
WP_001188013.1	0.95948	0.82107	<i>waaO</i>
WP_000158225.1	0.68365	0.06584	<i>rfaS</i>
WP_000229840.1	0.93874	0.74126	<i>rfaP</i>
WP_000634283.1	1.15362	0.64098	<i>rfaG</i>
WP_000891564.1	0.96468	0.76658	<i>A13A_03970</i>
WP_001171866.1	0.94226	0.7258	<i>coaD</i>
WP_001114543.1	1.02474	0.92287	<i>mutM</i>
pdb 6H58 XX	1.03974	0.64823	-
WP_000050139.1	0.94117	0.64042	<i>coaBC</i>
AIN33967.1	1.14247	0.31657	-
WP_000818601.1	0.99555	0.93667	<i>slmA</i>
WP_000806177.1	0.87678	0.44543	<i>pyrE</i>
WP_000621340.1	0.99772	0.94863	<i>yicC</i>
WP_001295237.1	1.0699	0.72943	<i>gmk</i>

WP_000135058.1	0.85399	0.31253	<i>rpoZ</i>
WP_000280488.1	1.00951	0.97379	<i>spoT</i>
WP_001070177.1	1.03301	0.89565	<i>trmH</i>
WP_000678419.1	1.02854	0.94023	<i>recG</i>
WP_000468833.1	1.19349	0.56042	<i>gltS</i>
WP_001300954.1	1.15594	0.54082	<i>KXD89_00250</i>
WP_000779426.1	1.32521	0.34762	<i>O3K_00230</i>
WP_001065718.1	1.42127	0.23886	<i>adeD</i>
WP_000879194.1	0.92785	0.6997	<i>uhpT</i>
WP_000633668.1	1.089	0.72131	<i>uhpA</i>
WP_001181706.1	0.98572	0.92628	<i>ilvN</i>
WP_000168475.1	0.9053	0.46216	<i>A1UI_03990</i>
WP_000620888.1	0.68015	0.06232	<i>EKN05_019820</i>
WP_001336371.1	1.05761	0.86497	<i>KXD89_00070</i>
WP_000174305.1	1.11733	0.72083	<i>ECMP0215528_4259</i>
WP_000985549.1	0.86907	0.3091	<i>DXE50_23915</i>
WP_000522208.1	1.21669	0.4063	<i>yidB</i>
WP_000072067.1	0.95156	0.93319	<i>gyrB</i>
WP_000060112.1	0.96089	0.82651	<i>recF</i>
WP_000673464.1	0.93826	0.62523	<i>dnaN</i>
WP_000059111.1	1.06317	0.75669	<i>dnaA</i>
WP_000831330.1	0.97128	0.80272	<i>rpmH</i>
WP_000239730.1	1.21397	0.41173	<i>rnpA</i>
WP_000378250.1	0.84944	0.29114	<i>yidC</i>
WP_001282346.1	1.11341	0.56615	<i>mnmE</i>
WP_001295247.1	0.87304	0.41161	<i>tnaA</i>
WP_000131925.1	0.96836	0.85535	<i>A1UI_04026</i>
WP_000377786.1	0.97832	0.89208	<i>phoU</i>
WP_000063125.1	0.9348	0.69197	<i>pstB</i>
WP_000867146.1	0.94294	0.64974	<i>pstS</i>
WP_000334099.1	1.17091	0.25267	<i>glmS</i>
WP_000933736.1	0.89659	0.42254	<i>glmU</i>
WP_001251965.1	0.8857	0.48526	<i>atpC</i>
WP_000190506.1	0.96223	0.99373	<i>atpD</i>
WP_000896498.1	0.92101	0.71648	<i>atpG</i>
WP_001176745.1	0.91515	0.67611	<i>atpA</i>
WP_001288587.1	0.88103	0.45741	<i>atpH</i>
WP_001052219.1	0.96717	0.97011	<i>atpF</i>
WP_000429386.1	1.07013	0.53329	<i>atpE</i>
WP_000135625.1	0.97677	0.83296	<i>atpB</i>
WP_000932839.1	0.92209	0.63509	<i>rsmG</i>
WP_000499788.1	0.90139	0.4442	<i>mnmG</i>
WP_000432970.1	1.33741	0.21697	<i>asnC</i>
WP_001299914.1	1.19735	0.44609	<i>ravA</i>
WP_000102319.1	1.0914	0.71429	<i>kup</i>
WP_001301979.1	0.93772	0.62241	<i>rbsD</i>
WP_000387770.1	0.93046	0.58498	<i>rbsA</i>
WP_000211858.1	0.91696	0.61246	<i>rbsC</i>

WP_001056271.1	0.94961	0.9192	<i>rbsB</i>
WP_001300603.1	0.90868	0.47797	<i>rbsK</i>
WP_001131164.1	0.96594	0.83478	<i>DXE50_24215</i>
WP_000379245.1	0.88047	0.5253	<i>hdfR</i>
WP_000841001.1	0.85498	0.31731	<i>maoP</i>
WP_000208520.1	1.01053	0.98441	<i>ilvE</i>
WP_001127399.1	1.03617	0.88531	<i>ilvD</i>
WP_000785596.1	0.92619	0.69341	<i>ilvA</i>
WP_000024939.1	0.96088	0.74588	<i>ilvC</i>
WP_001140251.1	0.88481	0.37172	<i>DXE50_24310</i>
WP_001238899.1	0.9461	0.76952	<i>rep</i>
WP_001295254.1	1.03367	0.89347	<i>gppA</i>
WP_000047499.1	0.85214	0.30371	<i>rhIB</i>
WP_001280776.1	0.91794	0.69526	<i>trxA</i>
WP_001054527.1	0.90567	0.61216	<i>rho</i>
WP_001050960.1	1.20489	0.5388	<i>wecA</i>
WP_001295256.1	0.78556	0.08647	<i>wzzE</i>
WP_001340422.1	0.94198	0.72453	<i>wecB</i>
WP_000006621.1	1.00232	0.97391	<i>wecC</i>
WP_001226601.1	0.80121	0.20085	<i>rffG</i>
WP_000676056.1	0.98933	0.93598	<i>rfbA</i>
WP_000612043.1	0.94308	0.72954	<i>wecE</i>
WP_000217234.1	1.0585	0.86274	<i>rffT</i>
WP_001064040.1	0.82746	0.27372	<i>rffM</i>
WP_000774731.1	0.92299	0.68127	<i>DXE50_24410</i>
WP_000921791.1	1.04963	0.60932	<i>hemY</i>
WP_000138997.1	1.04073	0.85098	<i>hemX</i>
WP_000026046.1	1.23467	0.48525	<i>EL76_4618</i>
WP_001338644.1	0.91974	0.53129	<i>hemC</i>
WP_000999947.1	1.11311	0.5672	<i>cyaY</i>
WP_000799889.1	1.0844	0.73489	<i>DXE50_24485</i>
WP_001160654.1	0.72335	0.06225	<i>dapF</i>
WP_000812796.1	1.03929	0.8752	<i>DXE50_24495</i>
WP_000130691.1	0.76496	0.19201	<i>xerC</i>
WP_001213584.1	0.84488	0.32944	<i>yigB</i>
WP_000383406.1	0.98325	0.91486	<i>uvrD</i>
WP_000947159.1	0.976	0.88134	<i>corA</i>
WP_001277142.1	0.85459	0.43701	<i>DXE50_24560</i>
WP_001259700.1	0.97066	0.79933	<i>pldA</i>
WP_000487654.1	0.84225	0.39728	<i>pldB</i>
WP_000285362.1	0.97832	0.89208	<i>yigL</i>
WP_000153907.1	0.96952	0.95893	<i>metE</i>
WP_001336442.1	1.07591	0.70551	<i>EL76_4589</i>
WP_000045177.1	1.21171	0.17956	<i>O3K_24700</i>
WP_000347714.1	0.99057	0.94072	<i>rmuC</i>
WP_000227958.1	0.97855	0.84276	<i>ubiE</i>
WP_001295259.1	0.81431	0.31392	<i>ubiJ</i>
WP_000187530.1	1.74178	0.0613	<i>ubiB</i>



WP_001295260.1	1.14703	0.45699	<i>tatA</i>
WP_000459594.1	1.04407	0.85976	<i>tatB</i>
WP_001192396.1	1.17325	0.60036	<i>rfaH</i>
WP_000339804.1	1.06208	0.76118	<i>ubiD</i>
WP_000209826.1	0.83143	0.18594	<i>DXE50_24695</i>
WP_000438725.1	1.34502	0.09812	<i>fadA</i>
WP_000965936.1	1.33806	0.1043	<i>fadB</i>
WP_000444561.1	0.97388	0.93822	<i>pepQ</i>
WP_000853959.1	1.17761	0.4896	<i>hemG</i>
WP_001295263.1	1.26195	0.19719	<i>DXE50_24765</i>
WP_001065497.1	1.10559	0.67355	<i>srkA</i>
WP_000725337.1	0.94447	0.88245	<i>dsbA</i>
WP_000250006.1	0.92013	0.71038	<i>polA</i>
WP_000183349.1	1.04763	0.82146	<i>engB</i>
WP_001295266.1	0.93087	0.58707	<i>yihI</i>
WP_000116090.1	1.17975	0.36569	<i>hemN</i>
WP_001188777.1	0.84124	0.31731	<i>ntrC</i>
WP_000190577.1	0.85284	0.30705	<i>DXE50_24825</i>
WP_001271717.1	0.76894	0.0564	<i>DXE50_24830</i>
WP_000570668.1	0.97764	0.92051	<i>typA</i>
WP_000059678.1	0.82726	0.27309	<i>A13A_04267</i>
WP_001295269.1	1.25771	0.20396	<i>yihX</i>
WP_000560983.1	0.993	0.95981	<i>dtd</i>
WP_001297068.1	1.23809	0.3655	<i>WG3_04779</i>
WP_000027703.1	1.00344	0.98006	<i>fdhE</i>
WP_000331377.1	0.97244	0.86488	<i>fdxH</i>
WP_010723259.1	0.97146	0.94968	<i>fdnG</i>
WP_000753617.1	0.96541	0.84395	<i>fdhD</i>
WP_000122641.1	0.8421	0.25849	<i>sodA</i>
WP_001270260.1	0.94483	0.73754	<i>O3K_24310</i>
WP_000580417.1	1.04733	0.89125	<i>cpxA</i>
WP_001033722.1	1.2504	0.1275	<i>cpxR</i>
WP_001223800.1	1.68428	0.07895	<i>cpxP</i>
WP_000591795.1	0.97586	0.92886	<i>pfkA</i>
WP_001326656.1	0.84512	0.33023	<i>cdh</i>
WP_001216325.1	1.12072	0.37331	<i>tpiA</i>
WP_000802216.1	0.92057	0.67212	<i>KXD89_21165</i>
WP_000655989.1	1.21711	0.40547	<i>EL76_4498</i>
WP_000323556.1	1.14243	0.47103	<i>ECMP0215528_4537</i>
WP_000796332.1	1.08063	0.74616	<i>EL76_4496</i>
WP_001250644.1	1.09513	0.63186	<i>glpX</i>
WP_000136788.1	0.96104	0.99946	<i>glpK</i>
WP_000084268.1	1.06594	0.7908	<i>glpF</i>
WP_001296623.1	1.10785	0.41024	<i>zapB</i>
WP_000872908.1	1.18725	0.34681	<i>rraA</i>
WP_000139496.1	0.79352	0.1821	<i>menA</i>
WP_001293341.1	0.99644	0.83362	<i>hslU</i>
WP_000208242.1	0.94161	0.86197	<i>hslV</i>

WP_000068828.1	0.93849	0.62641	<i>ftsN</i>
WP_000644904.1	1.04259	0.86454	<i>cytR</i>
WP_000710769.1	0.85827	0.33349	<i>rpmE</i>
WP_000852812.1	0.84708	0.23247	<i>metJ</i>
WP_001295694.1	0.97075	0.85702	A1UI_04255
WP_000110772.1	0.91584	0.51223	<i>metL</i>
WP_001295695.1	1.25087	0.12696	<i>katG</i>
WP_000374004.1	1.13642	0.48978	<i>gldA</i>
WP_000424840.1	0.94486	0.73769	<i>fsa</i>
WP_001174077.1	0.9909	0.94198	<i>ptsP</i>
WP_000556306.1	1.00127	0.96817	KXD89_20995
WP_001005586.1	0.98823	0.87116	<i>ppc</i>
WP_001298964.1	0.96363	0.76084	<i>argE</i>
WP_000935370.1	1.07998	0.80925	<i>argC</i>
WP_001302318.1	1.26599	0.31724	<i>argB</i>
WP_001230087.1	1.21473	0.28391	<i>argH</i>
WP_001025939.1	1.01603	0.95967	<i>oxyR</i>
WP_001120810.1	0.90856	0.63145	<i>sthA</i>
WP_000187022.1	0.82445	0.16732	<i>trmA</i>
WP_000201820.1	0.9481	0.75251	<i>murl</i>
WP_001016699.1	1.04247	0.86491	<i>murB</i>
WP_000654630.1	0.89824	0.53221	<i>birA</i>
WP_000023081.1	0.98391	0.87239	<i>coaA</i>
WP_001275702.1	0.96292	0.82079	<i>secE</i>
WP_001287516.1	0.88433	0.47706	<i>nusG</i>
WP_001085926.1	0.87086	0.39951	<i>rplK</i>
WP_001096684.1	0.92014	0.71044	<i>rplA</i>
WP_001207201.1	0.89316	0.53131	<i>rplJ</i>
WP_000028878.1	0.87236	0.40784	<i>rplL</i>
WP_000263098.1	0.9396	0.84766	<i>rpoB</i>
WP_000653944.1	0.9235	0.73383	<i>rpoC</i>
WP_000934302.1	0.85382	0.3602	<i>rsd</i>
WP_000373940.1	1.19193	0.45774	<i>nudC</i>
WP_000137657.1	0.95953	0.73854	<i>hemE</i>
WP_000362388.1	1.27143	0.42491	<i>nfi</i>
WP_001044513.1	1.02907	0.69173	<i>hupA</i>
WP_000866800.1	0.97177	0.86178	<i>purD</i>
WP_001187559.1	0.93359	0.60104	<i>purH</i>
WP_000138905.1	1.23893	0.14138	<i>aceB</i>
WP_000857856.1	1.21685	0.17175	<i>aceA</i>
WP_001137220.1	1.75684	0.05735	<i>aceK</i>
WP_000632913.1	0.9388	0.74149	<i>espL4</i>
WP_000096011.1	0.86761	0.3036	<i>meth</i>
WP_000956830.1	1.53326	0.15087	DXE50_25790
WP_000421763.1	1.31647	0.12569	<i>pepE</i>
WP_000936377.1	1.12497	0.7035	A1UI_04335
WP_001207634.1	0.81575	0.31796	A1UI_04336
WP_001290310.1	0.78624	0.1654	A1UI_04337

WP_000789986.1	0.98235	0.89847	<i>pgi</i>
WP_001326644.1	0.94505	0.76547	<i>ubiC</i>
WP_000455227.1	0.96002	0.82318	<i>ubiA</i>
WP_000017354.1	0.9455	0.8898	<i>plsB</i>
WP_000646078.1	0.90332	0.45301	<i>lexA</i>
WP_001030593.1	1.18209	0.35971	<i>DXE50_25970</i>
WP_001295691.1	0.89907	0.59217	<i>zur</i>
WP_001298868.1	1.01929	0.94508	<i>dusA</i>
WP_000235508.1	1.24244	0.137	<i>KXD89_20510</i>
WP_000918363.1	0.90162	0.54644	<i>DXE50_26005</i>
WP_001147328.1	0.96129	0.81327	<i>alr</i>
WP_000486985.1	0.8222	0.16159	<i>tyrB</i>
WP_001226928.1	0.89197	0.40222	<i>DXE50_26025</i>
WP_000270375.1	1.53183	0.15177	<i>DXE50_26030</i>
WP_000155657.1	1.06859	0.73471	<i>DXE50_26035</i>
WP_000357740.1	1.08656	0.66415	<i>uvrA</i>
WP_000168305.1	0.93996	0.85024	<i>DXE50_26045</i>
WP_000106882.1	0.91278	0.64289	<i>DXE50_26070</i>
WP_000402210.1	0.78851	0.24592	<i>KY274_20395</i>
WP_000832573.1	1.30142	0.26353	<i>actP</i>
WP_000078239.1	1.31105	0.07216	<i>acs</i>
WP_000719886.1	0.87946	0.52174	<i>DXE50_26140</i>
WP_001046187.1	0.87273	0.42977	<i>alsB</i>
WP_000083216.1	0.88225	0.36111	<i>rpiR</i>
WP_000716794.1	0.99788	0.98217	<i>rpiB</i>
WP_000971886.1	0.97679	0.88784	<i>phnN</i>
WP_001300891.1	1.10621	0.59152	<i>DXE50_26305</i>
WP_000697926.1	1.10811	0.74209	<i>basR</i>
WP_000986601.1	1.19155	0.56417	<i>A1UI_04504</i>
WP_000611288.1	0.93337	0.72071	<i>dcuR</i>
WP_001295383.1	1.0355	0.8736	<i>DXE50_26450</i>
WP_001188520.1	1.26996	0.18492	<i>DXE50_26655</i>
WP_000068922.1	1.34184	0.32623	<i>dsbD</i>
WP_000883400.1	0.82981	0.359	<i>cutA</i>
WP_000961959.1	0.809	0.22104	<i>DXE50_26670</i>
WP_000069437.1	1.11226	0.39729	<i>aspA</i>
WP_001267448.1	1.12092	0.71265	<i>ECMP0215528_4825</i>
WP_001026276.1	0.88378	0.47372	<i>groES</i>
WP_000729117.1	0.89587	0.54847	<i>groL</i>
WP_000558209.1	1.17186	0.38638	<i>DXE50_26700</i>
WP_000940549.1	0.85358	0.35933	<i>epmB</i>
WP_000257278.1	0.77503	0.06571	<i>efp</i>
WP_000239596.1	1.16026	0.41832	<i>ecnB</i>
WP_001238378.1	1.34048	0.21335	<i>O3K_22885</i>
WP_001336292.1	1.03272	0.8966	<i>KXD89_19985</i>
WP_000208757.1	1.06028	0.85821	<i>frdC</i>
WP_000829498.1	1.13406	0.59616	<i>DXE50_26755</i>
WP_001192973.1	1.21488	0.28358	<i>frdA</i>

WP_000004771.1	0.91149	0.58866	<i>epmA</i>
WP_001236847.1	1.05718	0.81811	<i>ECMP0215528_4846</i>
WP_000934920.1	1.02532	0.91827	<i>psd</i>
WP_000041964.1	0.99428	0.92963	<i>rsgA</i>
WP_001295188.1	1.00127	0.96815	<i>orn</i>
WP_001295189.1	1.16889	0.50979	<i>nnrD</i>
WP_000981977.1	0.8986	0.53373	<i>tsaE</i>
WP_001280345.1	1.14091	0.57844	<i>miaA</i>
WP_001051883.1	1.08883	0.46955	<i>hfq</i>
WP_000460362.1	1.02138	0.93575	<i>hflX</i>
WP_000312488.1	0.9286	0.7696	<i>hflK</i>
WP_001232412.1	1.02873	0.69312	<i>hflC</i>
WP_000527955.1	1.03679	0.66011	<i>purA</i>
WP_001177639.1	0.87691	0.5128	<i>nsrR</i>
WP_000076332.1	1.16589	0.40259	<i>rnr</i>
WP_001293282.1	0.94848	0.75425	<i>rlmB</i>
WP_000569707.1	1.23755	0.4803	<i>yjfP</i>
WP_000133631.1	1.11498	0.72621	<i>ulaR</i>
WP_001216676.1	0.8051	0.12987	<i>rpsF</i>
WP_001315977.1	1.12181	0.71064	<i>priB</i>
pdb 7OI0 R	1.11373	0.39307	-
WP_001196062.1	0.99246	0.85177	<i>rplI</i>
WP_001119478.1	1.16893	0.50969	<i>ytfB</i>
WP_000211225.1	0.8875	0.49622	<i>DXE50_27040</i>
WP_000331456.1	0.72817	0.06779	<i>ytfE</i>
WP_000560561.1	1.00078	0.99546	<i>A13A_04864</i>
WP_000589431.1	1.0111	0.76833	<i>cpdB</i>
WP_000886919.1	1.05202	0.80295	<i>cysQ</i>
WP_000175279.1	1.01885	0.94706	<i>KXD89_19650</i>
WP_000935036.1	0.86156	0.46018	<i>WG3_00121</i>
WP_001295196.1	1.21032	0.29335	<i>msrA</i>
WP_001269327.1	1.17298	0.50024	<i>tamA</i>
WP_000060911.1	1.2019	0.31206	<i>tamB</i>
WP_001219160.1	1.03037	0.90429	<i>DXE50_27115</i>
WP_000055075.1	0.77357	0.06338	<i>ppa</i>
WP_000265913.1	1.40195	0.05863	<i>ytfQ</i>
WP_001219813.1	0.8735	0.32606	<i>mpl</i>
WP_000166270.1	1.32256	0.23526	<i>yjgA</i>
WP_001162171.1	0.99867	0.82356	<i>pmbA</i>
WP_000187778.1	1.08167	0.74304	<i>nrdD</i>
WP_000047539.1	0.813	0.15244	<i>DXE50_27225</i>
WP_000230281.1	0.83127	0.3634	<i>ECMP0215528_4971</i>
WP_000256658.1	0.79873	0.27177	<i>KXD89_19490</i>
WP_000036434.1	0.95965	0.82173	<i>KY274_19440</i>
WP_000002953.1	1.04861	0.81733	<i>rraB</i>
WP_001059402.1	0.91775	0.61596	<i>A311_00387</i>
WP_000416392.1	0.85985	0.34141	<i>valS</i>
WP_000786400.1	0.92355	0.68339	<i>holC</i>

WP_000397144.1	0.93057	0.7835	<i>pepA</i>
WP_000584114.1	0.94931	0.75809	<i>lptF</i>
WP_001295681.1	0.96392	0.82543	<i>lptG</i>
WP_001294573.1	1.31522	0.12702	<i>HMPREF1599_05895</i>
WP_000998695.1	1.07846	0.81296	<i>O3K_22310</i>
WP_000175457.1	0.90998	0.58215	<i>DXE50_19750</i>
WP_000373366.1	0.98522	0.92398	<i>A13A_04969</i>
WP_000695564.1	1.57182	0.12821	<i>HMPREF1589_00471</i>
WP_000438562.1	0.9742	0.81881	<i>uxuA</i>
WP_000208205.1	0.94874	0.68047	<i>HMPREF1589_00461</i>
WP_000833679.1	0.85451	0.36263	<i>A1UI_04679</i>
WP_000568432.1	0.97406	0.81802	<i>iadA</i>
WP_001300012.1	0.78565	0.23895	<i>HMPREF1589_00446</i>
WP_000443951.1	0.68574	0.068	<i>mcrB</i>
WP_001272447.1	0.78879	0.17112	<i>HMPREF1589_00433</i>
WP_001063204.1	0.7933	0.1008	<i>HMPREF1589_00432</i>
WP_000217931.1	0.93468	0.69142	<i>HMPREF1589_00430</i>
WP_001312515.1	0.83956	0.20929	<i>O3K_21780</i>
WP_001299714.1	1.10656	0.59025	<i>G925_04708</i>
WP_001308243.1	0.90539	0.61541	<i>DXE50_27710</i>
WP_000799911.1	1.19885	0.55019	<i>dnaC</i>
WP_000098818.1	0.92599	0.6524	<i>dnaT</i>
WP_001272330.1	1.06131	0.76434	<i>rsmC</i>
WP_000204012.1	1.08804	0.78965	<i>G925_04726</i>
WP_001092461.1	1.03978	0.91079	<i>rimI</i>
WP_000175940.1	0.9036	0.59852	<i>prfC</i>
WP_001295748.1	0.99616	0.8349	<i>osmY</i>
WP_001143230.1	1.39714	0.15523	-
WP_001298497.1	1.05928	0.77269	<i>deoC</i>
WP_000477807.1	1.08353	0.67577	<i>deoA</i>
WP_000816471.1	1.11983	0.37577	<i>deoB</i>
WP_000224877.1	1.05546	0.58708	<i>deoD</i>
WP_000105884.1	0.95279	0.77406	<i>lplA</i>
WP_001132955.1	0.94751	0.74982	<i>DXE50_28030</i>
WP_001029687.1	0.94496	0.66038	<i>radA</i>
WP_000093814.1	0.92832	0.6628	<i>nadR</i>
WP_000046749.1	1.00318	0.80331	<i>ettA</i>
WP_000409451.1	1.28192	0.29208	<i>slt</i>
WP_000068679.1	1.08961	0.71953	<i>trpR</i>
WP_000942344.1	0.81034	0.22464	<i>gpmB</i>
WP_000371666.1	1.26923	0.18601	<i>robA</i>
WP_000875487.1	1.02185	0.93369	<i>creA</i>
WP_001194358.1	1.17348	0.24746	<i>arcA</i>
WP_001223132.1	1.0654	0.79249	<i>trmJ</i>
QBM92672.2	0.97589	0.88437	-
WP_000737282.1	0.81067	0.30378	-
WP_000875061.1	1.11914	0.71669	-
WP_001306825.1	1.16561	0.61595	<i>ycgN</i>

WP_001350503.1	0.79271	0.09857	-
WP_001307844.1	1.02113	0.93485	<i>rnd</i>
QWY90515.1	0.71325	0.10146	-
QWY90557.1	0.96193	0.83051	-

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The up-regulated proteins are highlighted in orange, while blue for down-regulated proteins. Target genes for analysis are in red.