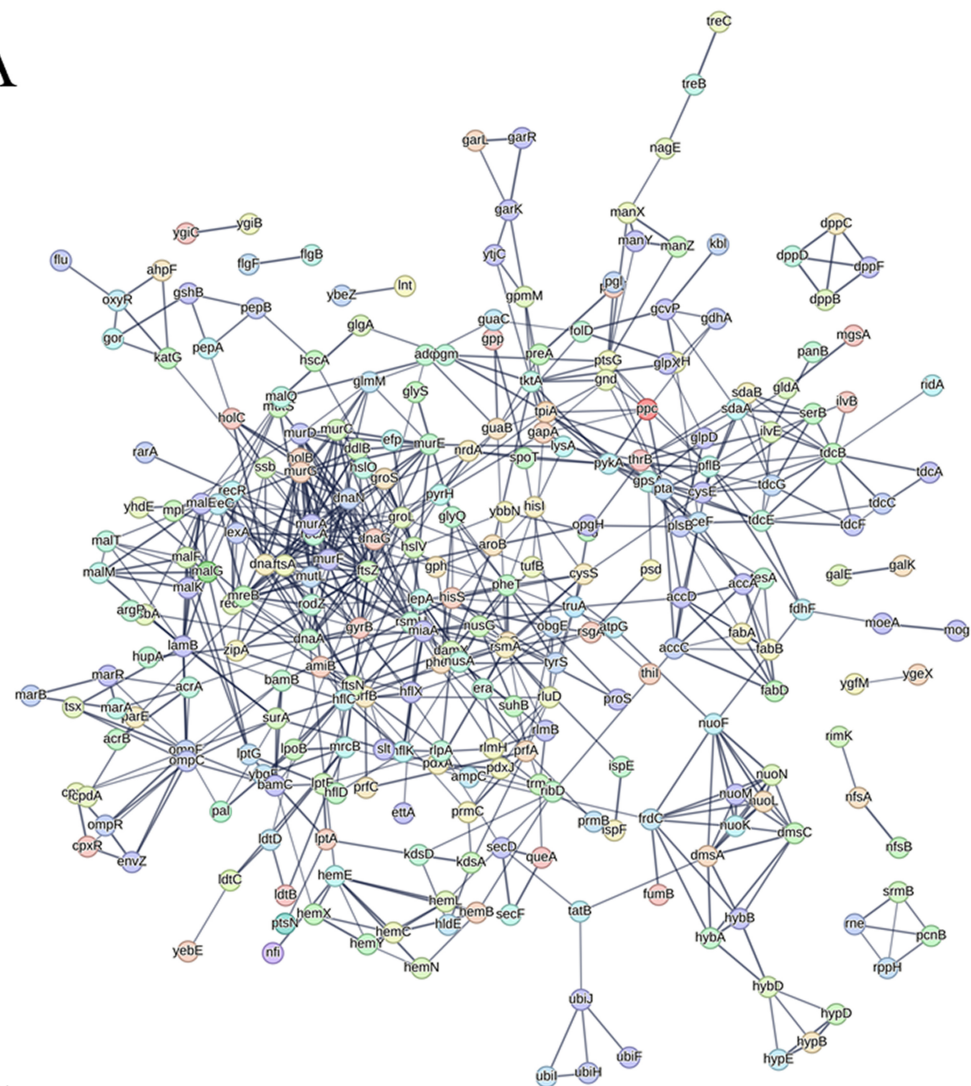


Supplemental Figure Legends

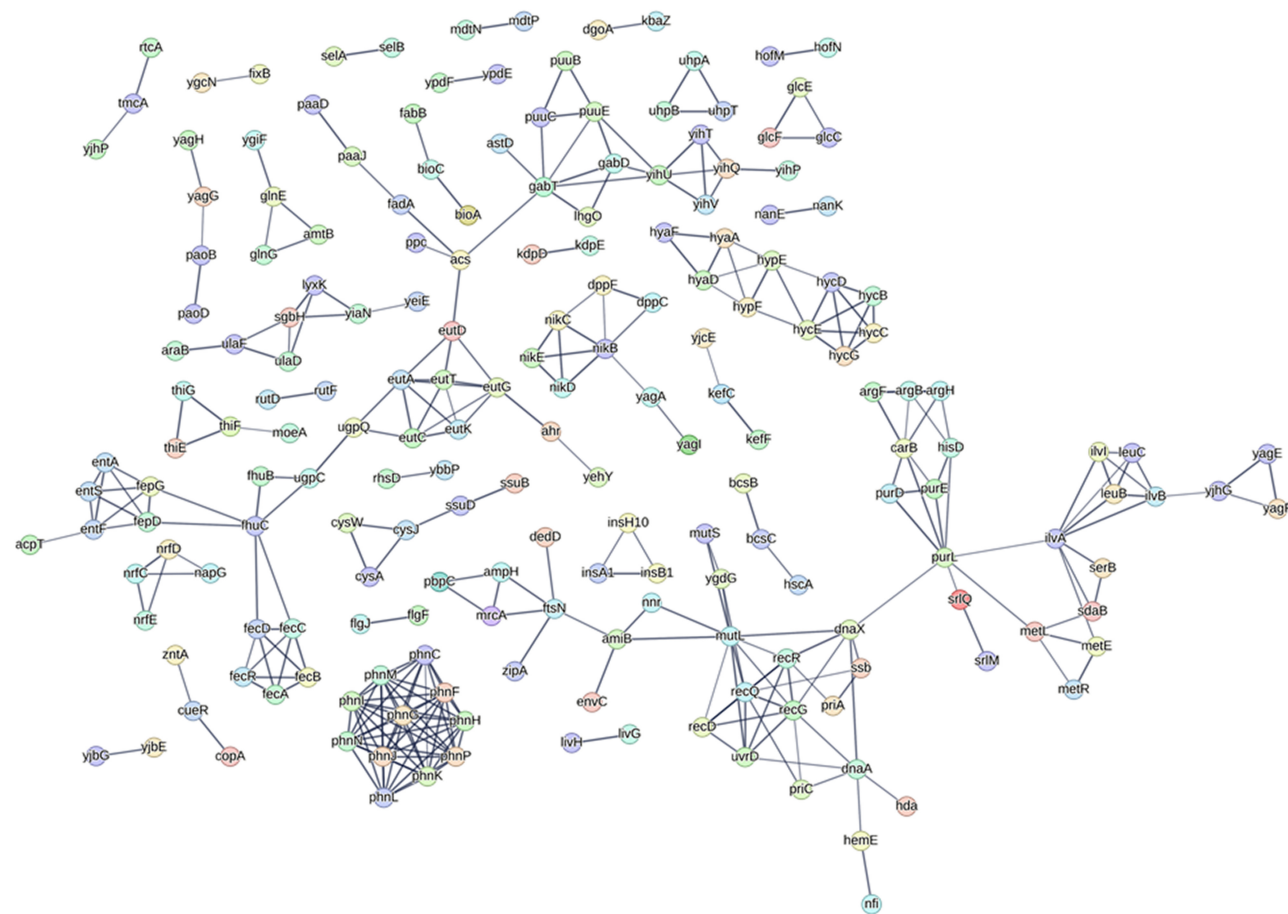
Figure S1. Protein-Protein Interaction (PPI) networks of differentially expressed genes.

Structure of the PPI networks constructed by analyzing the 307 up-regulated genes in ampicillin-resistant cells (**A**), the 260 up-regulated genes in gentamicin-resistant cells (**B**), and the 475 down-regulated genes in gentamicin-resistant cells (**C**) using STRING. Network nodes and edges represent protein and protein-protein association, respectively.

A



B



C

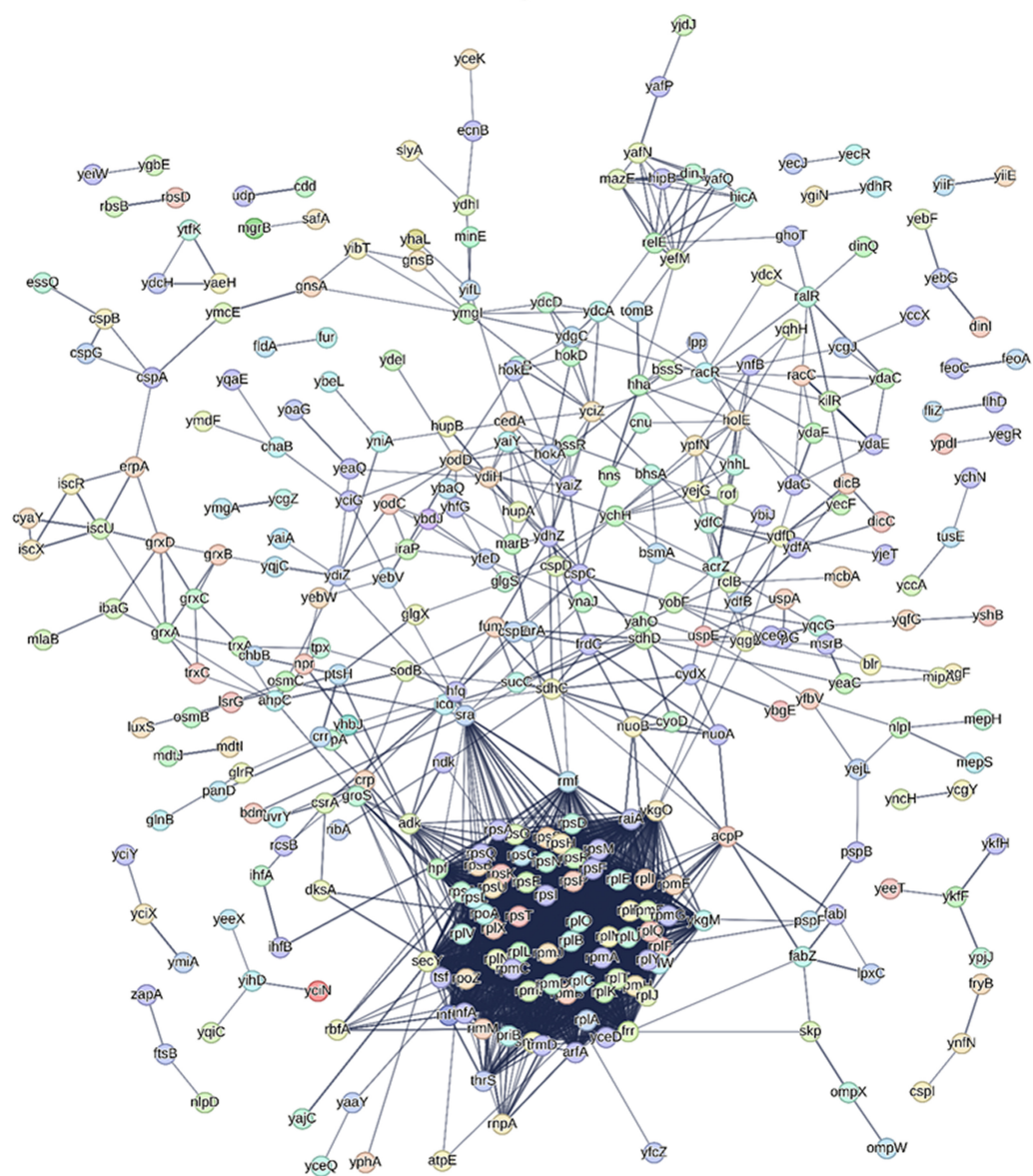


Table S1. Complete list of up- and down-regulated genes in ampicillin-resistant cells.

GENE	log2FoldChange	Standard error of the log2Fold Change	p-value	Corrected p-value
<i>tdcF</i>	7.256289128	2.296347383	0.001578089	0.08417859
<i>tdcE</i>	6.219753346	2.100285012	0.003062585	0.113271675
<i>malE</i>	5.978811362	2.205576706	0.006712715	0.17223638
<i>tdcC</i>	5.708468801	2.184934907	0.008984342	0.204620921
<i>ompF</i>	5.685716507	2.359316659	0.015956907	0.258757199
<i>tnaA</i>	5.670141907	2.058190227	0.005870714	0.164265687
<i>lamB</i>	5.402253493	2.031655044	0.007836349	0.184929184
<i>ompC</i>	5.398738146	2.564309996	0.035261935	0.32752865
<i>tdcB</i>	5.217471668	2.138682163	0.014704624	0.253499259
<i>tdcG</i>	4.994652033	1.820421498	0.006075494	0.164265687
<i>cspA</i>	4.912210551	3.111590305	0.114409093	0.403550127
<i>marB</i>	4.897389826	1.703676266	0.004045381	0.13666646
<i>manY</i>	4.772847794	1.851017326	0.009923036	0.21477476
<i>marA</i>	4.770420005	1.751236759	0.006449081	0.16992893
<i>manZ</i>	4.665830446	1.70544343	0.006222015	0.167046687
<i>tsx</i>	4.651889113	2.115498164	0.027880993	0.305485257
<i>manX</i>	4.647361752	1.89032548	0.013951948	0.250352735
<i>pflB</i>	4.593706903	2.168833046	0.03417044	0.326714539
<i>hns</i>	4.497008824	2.244869662	0.04515172	0.346676271
<i>ompA</i>	4.445073478	2.295950288	0.052861635	0.357424257
<i>acrA</i>	4.420641099	1.730110054	0.010615079	0.219558829
<i>ahpC</i>	4.288172949	2.338510656	0.06669562	0.367589495
<i>gapA</i>	4.266675292	2.112965063	0.043457771	0.346511754
<i>lpp</i>	4.241726811	2.757143061	0.123938619	0.409405752
<i>fusA</i>	4.164226879	2.417439786	0.084964994	0.382674906
<i>malM</i>	4.151346089	1.612777577	0.010052008	0.21504636
<i>rplT</i>	4.102330168	2.521564761	0.103758636	0.39608052
<i>ptsH</i>	4.012431958	2.194842387	0.06753177	0.367589495
<i>csrB</i>	4.012333672	2.544897755	0.114883262	0.403550127
<i>deoD</i>	4.00574789	2.242974404	0.074114014	0.373744519
<i>tufA</i>	4.005588032	2.120641181	0.058910987	0.36375562
<i>infC</i>	3.991894711	2.477083869	0.107064276	0.396303494
<i>rpsS</i>	3.984774455	2.34519307	0.089295772	0.385449519
<i>rplW</i>	3.950817477	2.460082439	0.108280601	0.398282207
<i>ansB</i>	3.941303734	1.678963108	0.018901752	0.274420156
<i>acpP</i>	3.934082232	2.437796294	0.10657379	0.396303494
<i>rpmI</i>	3.931201201	2.488470788	0.114160496	0.403550127
<i>ompX</i>	3.896149245	2.248995388	0.083203188	0.381205511
<i>rrlB</i>	3.886400682	3.267039283	0.234211981	0.517780307
<i>rpsG</i>	3.886255352	2.182246211	0.074936795	0.373744519
<i>rpmF</i>	3.883398151	2.087077871	0.062788425	0.36375562
<i>malK</i>	3.870511384	1.265145097	0.002218238	0.095667434
<i>rplJ</i>	3.85653469	2.528245349	0.127164364	0.409405752
<i>yceD</i>	3.854502119	2.452854029	0.116081505	0.403550127

<i>yccA</i>	3.847017936	2.282016355	0.09183477	0.387027055
<i>thrS</i>	3.826745784	2.210641695	0.083441679	0.381205511
<i>ompW</i>	3.820167422	2.243429249	0.088600822	0.384981492
<i>eno</i>	3.80805706	1.943694874	0.050091172	0.357424257
<i>rpsL</i>	3.786265843	2.616967287	0.147948925	0.4313125
<i>rpsD</i>	3.782917042	2.448481987	0.122345041	0.409049461
<i>rpsA</i>	3.778409973	2.360360365	0.109426377	0.398679812
<i>hupA</i>	3.76711463	1.877417712	0.044798615	0.346511754
<i>rplB</i>	3.755409457	2.32371004	0.106066958	0.396303494
<i>aspA</i>	3.752882588	2.352349994	0.110628193	0.399980076
<i>frdB</i>	3.732762677	1.931570953	0.053297707	0.357424257
<i>tufB</i>	3.731394968	1.80918615	0.039162863	0.337743189
<i>rpsB</i>	3.714395357	2.331983942	0.111203975	0.400259817
<i>rplV</i>	3.70059929	2.205377896	0.093349296	0.387027055
<i>rplK</i>	3.69757877	2.346690746	0.115104964	0.403550127
<i>rpsQ</i>	3.679882977	2.435464307	0.130799288	0.413297205
<i>treB</i>	3.666287237	1.51973495	0.015845635	0.258150962
<i>adhE</i>	3.664807902	1.961344621	0.061689891	0.36375562
<i>rplC</i>	3.657529194	2.414914364	0.129884236	0.412011498
<i>rplL</i>	3.645546178	2.085933014	0.080519224	0.37803293
<i>rplA</i>	3.638229122	2.190967641	0.096802225	0.390380788
<i>rplX</i>	3.633796952	2.448028098	0.137708895	0.423075749
<i>rplE</i>	3.632045588	2.477219775	0.142599751	0.427567449
<i>cpxP</i>	3.628324748	2.022360166	0.072796548	0.37206423
<i>frdC</i>	3.62714391	1.841482589	0.048874279	0.356018847
<i>yebE</i>	3.623269953	1.586814584	0.022409134	0.282132391
<i>rpoA</i>	3.616966908	2.438184336	0.137950279	0.423353847
<i>grcA</i>	3.61094551	2.365460334	0.126877994	0.409405752
<i>hfq</i>	3.594400515	1.853406224	0.052458921	0.357424257
<i>udp</i>	3.58594581	2.507901793	0.152757507	0.435805021
<i>ampC</i>	3.583359533	1.51840595	0.018277482	0.269443321
<i>marR</i>	3.580056425	1.541786342	0.020231939	0.277602331
<i>glyT</i>	3.575231079	4.31801801	0.40768202	0.675692113
<i>rpsH</i>	3.567439359	2.160953294	0.098766409	0.392933288
<i>deoB</i>	3.566822265	1.967578423	0.06986298	0.367589495
<i>hupB</i>	3.535022268	1.836729924	0.054275885	0.358362275
<i>rplD</i>	3.531858415	2.113816133	0.094752363	0.388800372
<i>rplI</i>	3.531372704	1.937272996	0.068324969	0.367589495
<i>rpsR</i>	3.530610822	2.058778523	0.086362535	0.382674906
<i>psrD</i>	3.522891474	2.036117089	0.0835944	0.381205511
<i>acrB</i>	3.506972411	1.691134495	0.03810351	0.335910045
<i>groL</i>	3.498240588	1.626816738	0.031526801	0.320451274
<i>nupG</i>	3.495324985	1.822781333	0.05516457	0.35965674
<i>secY</i>	3.491720022	2.377126002	0.141864521	0.427561927
<i>rpmJ</i>	3.482148286	2.864617607	0.224148095	0.508788564
<i>rpsE</i>	3.47672842	2.273765722	0.126249112	0.409405752
<i>rpsC</i>	3.47229635	2.214623246	0.116905677	0.404381925
<i>tff</i>	3.467811407	3.153324148	0.271448917	0.555504245
<i>yniA</i>	3.464238141	2.013677398	0.085368097	0.382674906

<i>rpmE</i>	3.461152443	2.249060177	0.123820706	0.409405752
<i>raiA</i>	3.448995656	2.689049883	0.199629607	0.485231275
<i>rpmC</i>	3.446211702	2.153924491	0.109605534	0.398679812
<i>rhsB</i>	3.437564584	2.389165012	0.150203168	0.431773005
<i>pspE</i>	3.428660431	1.828207599	0.060734715	0.36375562
<i>pck</i>	3.423471099	2.041526078	0.093558588	0.387027055
<i>tsf</i>	3.408070496	2.08427623	0.102021004	0.395053485
<i>fbaA</i>	3.407075249	2.10981851	0.106339607	0.396303494
<i>rpmB</i>	3.402544468	2.509364216	0.17511862	0.465410268
<i>crr</i>	3.382421219	2.116066299	0.109943385	0.399124575
<i>rpmH</i>	3.37543536	2.39895956	0.15941512	0.443535602
<i>ptsI</i>	3.365176632	1.825952004	0.065333242	0.367589495
<i>tdcA</i>	3.360910945	1.643737442	0.040886784	0.340359392
<i>ytfK</i>	3.351315931	2.015658496	0.096384371	0.390380788
<i>priB</i>	3.338886074	2.194582057	0.128153897	0.409405752
<i>tig</i>	3.335510972	1.97018086	0.090455972	0.386415711
<i>ridA</i>	3.331595577	1.603585366	0.037746985	0.334793019
<i>rplR</i>	3.314423659	1.972602343	0.092912769	0.387027055
<i>rplO</i>	3.311308688	2.380637976	0.164245647	0.451424986
<i>rplP</i>	3.311099134	1.882322926	0.078569107	0.374816185
<i>rpsJ</i>	3.309345723	2.338092504	0.156950047	0.44124514
<i>rpsN</i>	3.301561552	2.078894946	0.11225628	0.400636634
<i>dsbA</i>	3.286158473	1.443760093	0.022839357	0.283152147
<i>rpsK</i>	3.283541762	2.114286997	0.120417027	0.406808855
<i>rpmD</i>	3.274236841	1.811151815	0.070634489	0.367589495
<i>hybC</i>	3.263645946	1.711028192	0.056466482	0.361064857
<i>frdA</i>	3.262009218	1.790963624	0.068550479	0.367589495
<i>dcuA</i>	3.251813488	2.062073239	0.114804007	0.403550127
<i>rplF</i>	3.250359476	2.304958339	0.158492518	0.443018227
<i>rplM</i>	3.248733767	2.625586909	0.215962288	0.499435891
<i>spr</i>	3.248544939	1.987441008	0.102146241	0.395053485
<i>dps</i>	3.24534732	1.61332882	0.04426375	0.346511754
<i>infA</i>	3.244935941	2.030211844	0.10997093	0.399124575
<i>rpsF</i>	3.242444145	2.353095415	0.168219209	0.4570782
<i>ihfA</i>	3.241884477	1.806074792	0.072655444	0.37206423
<i>rpmG</i>	3.239884518	1.913122797	0.090359235	0.386409641
<i>tpx</i>	3.215724507	1.960690948	0.100984877	0.395053485
<i>rplQ</i>	3.212899321	1.933518068	0.09657581	0.390380788
<i>rpsU</i>	3.202923576	2.313024991	0.166133921	0.453730509
<i>prs</i>	3.201031265	1.7809629	0.072278506	0.371865892
<i>sodB</i>	3.199997705	2.088449581	0.125464199	0.409405752
<i>rimM</i>	3.196427614	2.252708875	0.155920537	0.440489098
<i>atpA</i>	3.194574646	1.897255199	0.092222738	0.387027055
<i>pnp</i>	3.179227385	1.806939214	0.078500337	0.374816185
<i>hflC</i>	3.173123031	1.285607762	0.013579857	0.248300374
<i>rpsM</i>	3.170566871	2.42414996	0.190904272	0.48030403
<i>rpsI</i>	3.166308806	2.044518068	0.121458127	0.407401922
<i>rplU</i>	3.154129298	2.242129518	0.159499735	0.443535602
<i>rihA</i>	3.151475068	1.500292291	0.035678373	0.32752865

<i>rpoB</i>	3.149766752	1.930674775	0.102798963	0.39523855
<i>malF</i>	3.147852874	1.472197688	0.032500527	0.321852891
<i>cydA</i>	3.1359314	2.121683052	0.139397201	0.426425317
<i>atpD</i>	3.132259395	1.690350259	0.063878936	0.366790439
<i>zapB</i>	3.127333562	1.723966117	0.069672455	0.367589495
<i>deoC</i>	3.120105679	1.787082175	0.080824546	0.37803293
<i>crp</i>	3.116392392	2.004305231	0.119981988	0.406808855
<i>fabI</i>	3.115157444	1.702300291	0.067254514	0.367589495
<i>melA</i>	3.111518822	1.351133576	0.021284749	0.277602331
<i>rplS</i>	3.101268615	1.814993781	0.087507684	0.383361441
<i>talB</i>	3.101180785	1.783777551	0.082114508	0.379645316
<i>preT</i>	3.089512209	1.502099764	0.03970589	0.338654556
<i>deoA</i>	3.083982502	1.612492881	0.055804952	0.359671341
<i>rplY</i>	3.082625231	1.886353144	0.102222769	0.395053485
<i>pykF</i>	3.076076857	1.63828475	0.060433114	0.36375562
<i>yajC</i>	3.075265428	1.643003776	0.061243464	0.36375562
<i>ygiC</i>	3.073896639	1.55304927	0.047786136	0.353745052
<i>secG</i>	3.070140219	1.708591417	0.072354071	0.371865892
<i>ackA</i>	3.066006097	1.642855526	0.062004101	0.36375562
<i>yfcZ</i>	3.054516959	2.184767074	0.162083849	0.447302875
<i>trxA</i>	3.05006818	1.99284467	0.125890604	0.409405752
<i>trmD</i>	3.049136089	2.067979564	0.14036	0.426551303
<i>miaA</i>	3.047197822	1.461838292	0.037114965	0.33362321
<i>sdaC</i>	3.037054938	1.662845631	0.067786983	0.367589495
<i>fabG</i>	3.036127831	1.559227511	0.05151076	0.357424257
<i>tolC</i>	3.032240903	1.673242657	0.06995617	0.367589495
<i>ybgT</i>	3.031125912	3.048689928	0.320106607	0.607490627
<i>rpmA</i>	3.020843508	1.841190574	0.100859464	0.395053485
<i>aceE</i>	3.016925008	1.683849542	0.07318372	0.37206423
<i>purA</i>	3.014767952	1.64831553	0.067399713	0.367589495
<i>sspA</i>	3.009690954	1.86255854	0.106117955	0.396303494
<i>dgoA</i>	3.003335445	1.606009332	0.061475345	0.36375562
<i>malG</i>	3.002365497	1.012952644	0.003036938	0.113271675
<i>rpsO</i>	2.995731517	2.708935851	0.268782691	0.551160865
<i>bamE</i>	2.992121972	1.667162815	0.072695308	0.37206423
<i>infB</i>	2.982850935	1.77673258	0.093183098	0.387027055
<i>efp</i>	2.980167027	1.508737165	0.048237233	0.353805533
<i>ygiB</i>	2.979407673	1.287739477	0.020685682	0.277602331
<i>dppA</i>	2.975874214	1.793541574	0.097072124	0.390380788
<i>rpsT</i>	2.975459294	2.250519433	0.186127819	0.473701881
<i>ihfB</i>	2.968205497	1.759182948	0.091552661	0.387027055
<i>agp</i>	2.965481444	1.685860531	0.078572192	0.374816185
<i>preA</i>	2.96148769	1.311922492	0.023985288	0.286927951
<i>rpoC</i>	2.952473745	1.848804642	0.110273818	0.399865884
<i>lrhA</i>	2.946661801	1.601461277	0.065770708	0.367589495
<i>ftsH</i>	2.943947766	1.623418405	0.069766273	0.367589495
<i>slyD</i>	2.941993123	1.545735889	0.057001917	0.362203401
<i>lpd</i>	2.941002249	1.844893187	0.110906596	0.399980076
<i>atpG</i>	2.938148587	1.420822556	0.038647466	0.336799028

<i>yidC</i>	2.934228584	1.512160906	0.052328562	0.357424257
<i>tpiA</i>	2.934100973	1.383451697	0.033933975	0.325991311
<i>cspE</i>	2.932854267	2.741819225	0.284765822	0.568970253
<i>nusA</i>	2.929913949	1.393534002	0.035508953	0.32752865
<i>groS</i>	2.924449094	1.390188902	0.035410357	0.32752865
<i>cdd</i>	2.918991146	2.189031204	0.182380055	0.472440092
<i>yhbY</i>	2.918544865	1.753321517	0.095996472	0.390380788
<i>uspA</i>	2.917924648	2.057431586	0.156121718	0.44075031
<i>ppiB</i>	2.913869367	1.654370442	0.078184909	0.374816185
<i>rdoA</i>	2.90350026	1.609714894	0.071272746	0.369488125
<i>hybA</i>	2.902743386	1.479162504	0.049713189	0.357424257
<i>dnaK</i>	2.899948734	1.504276836	0.053879689	0.357756229
<i>rplN</i>	2.897765809	2.426296905	0.232354285	0.516947839
<i>phnI</i>	2.892637686	1.823541663	0.112677048	0.400636634
<i>rnpB</i>	2.890986177	2.148506194	0.178438124	0.468515643
<i>gnd</i>	2.884407695	1.407910969	0.040490035	0.339781285
<i>typA</i>	2.878939422	1.676801696	0.085993239	0.382674906
<i>nusB</i>	2.878292443	1.541230246	0.061827727	0.36375562
<i>ybfA</i>	2.877862389	1.87675258	0.125170771	0.409405752
<i>pykA</i>	2.877487991	1.328171673	0.030272766	0.315490476
<i>fis</i>	2.876705358	1.689226967	0.088573405	0.384981492
<i>rpsP</i>	2.875221602	2.074401812	0.165732082	0.453664998
<i>tatA</i>	2.861879263	1.611963814	0.075831996	0.373744519
<i>dksA</i>	2.859966172	1.717168909	0.095810565	0.390380788
<i>hybB</i>	2.844050838	1.382124567	0.039615249	0.338654556
<i>fecC</i>	2.842688672	1.481150033	0.054953431	0.35965674
<i>glnA</i>	2.831047142	1.53833921	0.065720248	0.367589495
<i>nlpI</i>	2.827349001	2.215052405	0.201805206	0.486396139
<i>yciN</i>	2.826518295	1.700661094	0.096510469	0.390380788
<i>treC</i>	2.823129478	1.293477697	0.029066131	0.312860316
<i>atpE</i>	2.816431892	1.808836628	0.11946087	0.406500994
<i>lrp</i>	2.813381688	1.520073947	0.064195602	0.366945102
<i>atpH</i>	2.804756319	1.567996871	0.07365489	0.373246153
<i>phnK</i>	2.80209828	1.585419463	0.077158316	0.374512315
<i>sdaA</i>	2.795152854	1.209223972	0.020803809	0.277602331
<i>rho</i>	2.794184105	1.795674418	0.119692903	0.406500994
<i>gyrA</i>	2.793185648	1.732108499	0.10683301	0.396303494
<i>cspD</i>	2.792938609	1.767000589	0.113967263	0.403513785
<i>frdD</i>	2.785872218	1.489619243	0.061457325	0.36375562
<i>hybO</i>	2.782167315	1.58867816	0.079903432	0.377979595
<i>uspE</i>	2.781333079	1.829803979	0.128506713	0.409893472
<i>kdsA</i>	2.780816896	1.172407661	0.017697567	0.266133831
<i>deaD</i>	2.778420246	1.69896556	0.101973611	0.395053485
<i>pal</i>	2.775996462	1.348789663	0.039576803	0.338654556
<i>lptE</i>	2.771163056	1.396542763	0.047222147	0.352557243
<i>ftnA</i>	2.77114345	1.271461218	0.029294911	0.312860316
<i>rpoH</i>	2.768730602	1.758185146	0.115310413	0.403550127
<i>atpF</i>	2.768209171	1.420480653	0.051321292	0.357424257
<i>pgk</i>	2.768113945	1.766390053	0.117090778	0.404676908

<i>gcvH</i>	2.765846971	1.223486522	0.023782349	0.286927951
<i>hybG</i>	2.76438799	1.526008627	0.070061121	0.367589495
<i>lpxC</i>	2.762464469	2.318592938	0.233480881	0.516947839
<i>cydB</i>	2.762181339	1.829362049	0.131065095	0.413814561
<i>ftsZ</i>	2.758745159	1.396675776	0.048242925	0.353805533
<i>pta</i>	2.75825099	1.158132138	0.017235852	0.263454633
<i>yobF</i>	2.757518712	3.167410131	0.383977519	0.656812179
<i>phnM</i>	2.750625947	1.89217514	0.146033757	0.430851022
<i>fabF</i>	2.74955381	1.408691338	0.050956048	0.357424257
<i>hflK</i>	2.749305456	1.114100956	0.01359711	0.248300374
<i>glqS</i>	2.745083052	1.651486859	0.096474914	0.390380788
<i>secB</i>	2.736366491	1.489335675	0.066164624	0.367589495
<i>mgsA</i>	2.735219248	1.362929879	0.044763807	0.346511754
<i>rimP</i>	2.731813552	1.453753821	0.06022476	0.36375562
<i>serS</i>	2.723132192	1.60496302	0.089754402	0.385449519
<i>cspB</i>	2.719245516	2.081125158	0.19134086	0.48030403
<i>lptA</i>	2.718268196	1.352302998	0.044420298	0.346511754
<i>lysS</i>	2.71821002	1.418768807	0.055378645	0.35965674
<i>rmf</i>	2.711776919	2.232310998	0.224448274	0.509184836
<i>rbsD</i>	2.703491203	2.478579781	0.2753864	0.559046803
<i>luxS</i>	2.699294698	1.479222804	0.068030305	0.367589495
<i>ygdH</i>	2.684949102	1.570529924	0.087343266	0.383361441
<i>mokB</i>	2.680634405	2.157772756	0.214120202	0.497251883
<i>rpoD</i>	2.680175908	1.371676102	0.050708046	0.357424257
<i>rrsH</i>	2.677420468	1.369412815	0.050564248	0.357424257
<i>yrbL</i>	2.676369446	1.602013696	0.094795116	0.388800372
<i>zapA</i>	2.674918647	2.146688794	0.212739699	0.496229425
<i>htpX</i>	2.673738497	1.158859844	0.021042853	0.277602331
<i>pepQ</i>	2.671265174	1.386391421	0.0540076	0.357756229
<i>seqA</i>	2.670397406	1.43647672	0.063028403	0.36375562
<i>glmZ</i>	2.66898311	1.956892286	0.172602624	0.462863982
<i>iscS</i>	2.666373911	1.464798708	0.068713246	0.367589495
<i>phnH</i>	2.663481833	1.786865449	0.136069456	0.421088226
<i>ppa</i>	2.659806038	1.459156222	0.068327865	0.367589495
<i>rne</i>	2.655516578	1.18726289	0.025307845	0.295116348
<i>slyB</i>	2.641570275	1.47658307	0.073618833	0.373246153
<i>gpr</i>	2.64071766	1.638021023	0.106931684	0.396303494
<i>fur</i>	2.638848013	1.796739217	0.141917632	0.427561927
<i>garR</i>	2.637932602	1.010952442	0.00907134	0.205047566
<i>glyA</i>	2.634966366	1.458171545	0.070756892	0.36775441
<i>ssrA</i>	2.626117856	2.716701256	0.333715609	0.618885214
<i>yjfN</i>	2.625545578	1.751109598	0.133779985	0.417851314
<i>rbsK</i>	2.622503517	1.699617836	0.122831747	0.409386299
<i>atpB</i>	2.620107333	1.686070077	0.120190863	0.406808855
<i>yibN</i>	2.613599359	1.558172793	0.093474283	0.387027055
<i>hybD</i>	2.612265892	1.129385914	0.020722821	0.277602331
<i>grxB</i>	2.594751888	1.489197537	0.081441517	0.379063044
<i>hybE</i>	2.590410443	1.377567853	0.060050435	0.36375562
<i>mipA</i>	2.566654848	1.310451859	0.050159306	0.357424257

<i>hflX</i>	2.559928064	1.100482345	0.02000856	0.277602331
<i>rihC</i>	2.559304546	0.835930756	0.002201408	0.095667434
<i>rrlC</i>	2.557684526	1.582632035	0.106073665	0.396303494
<i>cpxR</i>	2.556848632	1.171701494	0.029097191	0.312860316
<i>rlmE</i>	2.554647963	1.442157335	0.076493003	0.373744519
<i>nupC</i>	2.545292042	1.479864465	0.085441634	0.382674906
<i>accC</i>	2.542451988	1.097704673	0.020549916	0.277602331
<i>zipA</i>	2.540700522	0.82589657	0.002095912	0.095180594
<i>tklA</i>	2.537505052	1.09098221	0.020024398	0.277602331
<i>yifE</i>	2.536771678	1.479622002	0.086441928	0.382674906
<i>suhB</i>	2.535282956	0.988949999	0.010358961	0.216948897
<i>eptB</i>	2.526378654	1.536104275	0.100038684	0.394894668
<i>ygfM</i>	2.523687015	1.143989258	0.027381141	0.301638982
<i>nuoK</i>	2.512920836	1.011480611	0.012977052	0.245836311
<i>rnpA</i>	2.509438808	1.501497936	0.094664368	0.388800372
<i>bamA</i>	2.50646024	1.579980969	0.112651695	0.400636634
<i>ahpF</i>	2.505329146	1.19507727	0.03604901	0.328323548
<i>clpP</i>	2.501190084	1.348563372	0.063638062	0.365941422
<i>secE</i>	2.500362367	1.344998903	0.063026147	0.36375562
<i>osmB</i>	2.497513627	1.618893869	0.122896676	0.409386299
<i>aceF</i>	2.49637683	1.155567629	0.03074918	0.31710311
<i>fabB</i>	2.492880857	1.058626268	0.018531371	0.271841357
<i>dapA</i>	2.490316689	1.562568759	0.110995951	0.399980076
<i>nusG</i>	2.484749258	1.260449789	0.048687341	0.355636903
<i>rscB</i>	2.482301466	1.561844793	0.111983788	0.400636634
<i>hemB</i>	2.481637374	1.025123201	0.0154856	0.257639363
<i>yebC</i>	2.481227552	1.210047027	0.040313559	0.339178316
<i>arcA</i>	2.473100634	1.389635688	0.075129077	0.373744519
<i>degP</i>	2.472312021	1.269942819	0.051559912	0.357424257
<i>hypD</i>	2.469981524	0.790471964	0.001779912	0.091532809
<i>bamD</i>	2.464826002	1.452129907	0.089623574	0.385449519
<i>sdaB</i>	2.458361825	0.726218195	0.000711378	0.051950319
<i>leuS</i>	2.456629661	1.303892754	0.059555047	0.36375562
<i>dusB</i>	2.456235691	1.812979215	0.175479274	0.465571319
<i>dppC</i>	2.456007436	1.133054833	0.030189283	0.315490476
<i>iscA</i>	2.449077205	1.499800798	0.10248267	0.39523855
<i>accB</i>	2.448725588	1.42266296	0.08520968	0.382674906
<i>ygiN</i>	2.448198844	1.51634135	0.106409622	0.396303494
<i>tomB</i>	2.444873016	1.647116504	0.137720015	0.423075749
<i>clpA</i>	2.441144979	1.659028514	0.141174759	0.427561927
<i>dinQ</i>	2.441123647	3.114685947	0.433188978	0.694678843
<i>iscU</i>	2.440901358	1.540118417	0.112993825	0.401118186
<i>ydcH</i>	2.440858447	1.881199922	0.194458922	0.482342452
<i>nfsB</i>	2.438098027	1.145724765	0.033337393	0.324660621
<i>grxD</i>	2.43801163	1.632631212	0.135358124	0.419527397
<i>cptB</i>	2.435399454	1.698623048	0.151643843	0.433849076
<i>grpE</i>	2.434693532	1.38390497	0.078527852	0.374816185
<i>sra</i>	2.433648734	3.025170232	0.42112749	0.685918378
<i>ppiA</i>	2.426074774	1.341477566	0.070527257	0.367589495

<i>nuoM</i>	2.425931485	1.089147756	0.025922773	0.297707999
<i>secF</i>	2.423795321	1.221034888	0.04714073	0.352557243
<i>frf</i>	2.423579047	1.469607219	0.099120211	0.393168651
<i>rbsC</i>	2.42353775	1.739701179	0.163596499	0.450251328
<i>guaA</i>	2.422989645	1.309486491	0.064265176	0.366945102
<i>glyS</i>	2.420715658	0.902904449	0.007339551	0.179028999
<i>atpC</i>	2.419035728	1.295134524	0.061791734	0.36375562
<i>psd</i>	2.412995166	1.092262717	0.027162746	0.300520559
<i>yjbG</i>	2.411254611	1.57698766	0.126258081	0.409405752
<i>malP</i>	2.409116945	1.229742961	0.050107979	0.357424257
<i>rbfA</i>	2.403702305	1.542495813	0.119157375	0.406500994
<i>bsmA</i>	2.402319911	2.01899689	0.234102148	0.517780307
<i>gdhA</i>	2.394567298	1.108900404	0.030818605	0.31710311
<i>nrdD</i>	2.394553597	1.268651199	0.059095812	0.36375562
<i>pgi</i>	2.393530783	1.412254764	0.090107803	0.386149085
<i>ptsG</i>	2.390584966	1.21035199	0.048255043	0.353805533
<i>nikC</i>	2.389300162	1.426715585	0.093995918	0.388278036
<i>ybaB</i>	2.38610668	1.428508199	0.094850412	0.388800372
<i>fepD</i>	2.381972613	1.585410706	0.132985441	0.416632905
<i>ypdE</i>	2.381738859	1.626491327	0.143100645	0.427567449
<i>mreB</i>	2.379973523	0.945119699	0.011796585	0.231030713
<i>secD</i>	2.376320682	1.134528263	0.036211445	0.328323548
<i>fabD</i>	2.373911878	0.940802441	0.011626442	0.228803855
<i>rhlB</i>	2.371543199	1.294601906	0.066970698	0.367589495
<i>accD</i>	2.367907958	1.169691734	0.042930417	0.346511754
<i>tyrS</i>	2.36788356	1.09118416	0.030005879	0.315424071
<i>sspB</i>	2.365889451	0.968928732	0.014615942	0.253499259
<i>pheT</i>	2.364274815	0.983585649	0.016228733	0.261076519
<i>nuoG</i>	2.361010366	1.253410525	0.059609782	0.36375562
<i>hha</i>	2.359348838	1.623394618	0.146128607	0.430851022
<i>ucpA</i>	2.359298218	1.374280767	0.086024633	0.382674906
<i>aspC</i>	2.354489466	1.282580298	0.066395483	0.367589495
<i>mdh</i>	2.349634903	1.445134448	0.103972284	0.396150037
<i>ompR</i>	2.348889344	0.935561254	0.012050091	0.231521653
<i>skp</i>	2.347365666	1.541741588	0.127873436	0.409405752
<i>phnL</i>	2.346611684	1.696703388	0.166652054	0.454342586
<i>ppiD</i>	2.346449617	1.28960127	0.068832806	0.367589495
<i>phnF</i>	2.340795239	1.691155098	0.166315623	0.453730509
<i>cspC</i>	2.336854775	1.616932564	0.148390631	0.4313125
<i>yijD</i>	2.329897881	1.423147585	0.101600333	0.395053485
<i>ribE</i>	2.32880954	1.197637796	0.051834899	0.357424257
<i>yfbU</i>	2.32592337	1.361992067	0.087685273	0.383469359
<i>phnC</i>	2.324187278	1.530697506	0.128917511	0.410551132
<i>gcvP</i>	2.321278527	1.097305341	0.034392858	0.327274732
<i>ydhF</i>	2.320143033	1.120994336	0.038478687	0.336799028
<i>xdhD</i>	2.318945641	1.354556021	0.086904052	0.383361441
<i>hldD</i>	2.318191969	1.217025033	0.056805787	0.362092233
<i>erpA</i>	2.317933604	1.553637942	0.135715042	0.420312284
<i>dmsA</i>	2.317801266	1.138057083	0.041687128	0.344194738

<i>uxaC</i>	2.316033673	1.397842064	0.097547049	0.390380788
<i>yajO</i>	2.315094956	1.197941608	0.053290329	0.357424257
<i>zntA</i>	2.307056763	1.237967521	0.062380112	0.36375562
<i>lepA</i>	2.304904964	0.984075339	0.019170245	0.274420156
<i>glnS</i>	2.304505104	1.244056346	0.06396666	0.366790439
<i>nuoE</i>	2.302244707	1.224516187	0.060090909	0.36375562
<i>lysA</i>	2.29836515	1.058710705	0.029938012	0.315424071
<i>nfsA</i>	2.293833553	1.158793223	0.04775951	0.353745052
<i>icd</i>	2.290399788	1.977667476	0.246810214	0.526615058
<i>nuoL</i>	2.289588999	0.932087407	0.014033288	0.250352735
<i>rhsD</i>	2.288732319	1.900856191	0.228568948	0.513487682
<i>add</i>	2.285502476	1.112453219	0.039930162	0.338654556
<i>ispG</i>	2.284576116	1.199342344	0.056798613	0.362092233
<i>rbsA</i>	2.282708697	1.855520758	0.218612725	0.502753402
<i>nuoC</i>	2.2759061	1.161512258	0.050062033	0.357424257
<i>fabA</i>	2.272178182	0.929091433	0.014461472	0.253499259
<i>hpf</i>	2.267828694	1.572172042	0.149166657	0.4313125
<i>tilS</i>	2.267818046	1.326183119	0.087259611	0.383361441
<i>smpB</i>	2.265204552	1.495421922	0.129833322	0.412011498
<i>prfA</i>	2.264667539	0.976500524	0.020385997	0.277602331
<i>ybgE</i>	2.264343961	1.524343059	0.137423172	0.423017114
<i>fumB</i>	2.261164545	0.947317025	0.016990452	0.263454633
<i>nuoA</i>	2.257234857	1.382247249	0.102465178	0.39523855
<i>clpX</i>	2.256769264	1.4417575	0.117514819	0.405451127
<i>yhbT</i>	2.256347718	1.173245315	0.054458968	0.358660795
<i>aspS</i>	2.256017743	1.235978413	0.067957436	0.367589495
<i>thiF</i>	2.255056269	1.417136758	0.111547387	0.400636634
<i>pgm</i>	2.254180421	0.925653719	0.014882295	0.253499259
<i>fabZ</i>	2.253704593	1.432727801	0.115714978	0.403550127
<i>lpxA</i>	2.253020717	1.170507542	0.054251412	0.358362275
<i>bamB</i>	2.252828445	1.007973823	0.025416896	0.295116348
<i>tgt</i>	2.249434747	1.324908338	0.089544751	0.385449519
<i>accA</i>	2.248717903	0.96643034	0.019974381	0.277602331
<i>adk</i>	2.248455164	1.444949669	0.119689419	0.406500994
<i>aroK</i>	2.247489637	1.370944944	0.101135675	0.395053485
<i>ycfP</i>	2.247296039	1.328197229	0.090647936	0.386603764
<i>ygfB</i>	2.245849646	1.21282992	0.064062697	0.366822278
<i>bamC</i>	2.244162824	0.993892955	0.023948637	0.286927951
<i>fecA</i>	2.241801411	1.340526776	0.094459522	0.388800372
<i>prfB</i>	2.241221293	1.127571369	0.046850014	0.352374686
<i>yoaE</i>	2.240210917	0.972942137	0.021306317	0.277602331
<i>ybiS</i>	2.238427941	0.884547394	0.011387044	0.225664635
<i>dtpA</i>	2.236375708	1.236548125	0.070518855	0.367589495
<i>hypE</i>	2.23389465	0.626166793	0.000360305	0.032978924
<i>rrsD</i>	2.23291554	1.381361973	0.105995026	0.396303494
<i>wzzB</i>	2.231439592	1.307120785	0.087795833	0.383539124
<i>malQ</i>	2.229179214	0.866889301	0.0101268	0.21504636
<i>csrA</i>	2.227349625	1.918592552	0.245670797	0.525469563
<i>nrdB</i>	2.22548526	1.144191714	0.051771573	0.357424257

<i>greA</i>	2.224772308	1.296656845	0.086203103	0.382674906
<i>gshB</i>	2.221151327	0.981154013	0.023585486	0.286927951
<i>hisS</i>	2.220474235	1.12202601	0.047817535	0.353745052
<i>speA</i>	2.21909893	1.137208109	0.051014601	0.357424257
<i>lexA</i>	2.218745016	0.979213687	0.023460964	0.286927951
<i>pyrH</i>	2.217044536	1.045207282	0.033908931	0.325991311
<i>uxaA</i>	2.216054605	1.223567497	0.070118858	0.367589495
<i>ybeD</i>	2.210873921	1.630777351	0.175188966	0.465410268
<i>cpdA</i>	2.206164509	1.023566436	0.031132883	0.317916139
<i>gpmM</i>	2.201738494	1.083522059	0.042151631	0.345787635
<i>ybjC</i>	2.201188934	1.409143862	0.118270232	0.405691946
<i>ubiE</i>	2.199764369	1.166213929	0.059262042	0.36375562
<i>ycbL</i>	2.199707266	1.353310282	0.104071576	0.396156027
<i>flgB</i>	2.19965885	1.118960937	0.049321156	0.357424257
<i>dnaA</i>	2.198411608	0.769436152	0.004274338	0.140879412
<i>ycbK</i>	2.192058765	1.667133317	0.188554568	0.476558741
<i>ycgL</i>	2.188522777	1.469754503	0.13647692	0.421705361
<i>yqgC</i>	2.187683347	1.668420137	0.189779906	0.47904868
<i>nanA</i>	2.185571496	0.924419484	0.018065945	0.268142043
<i>yeeN</i>	2.184035103	1.256225251	0.082110488	0.379645316
<i>fecR</i>	2.181524105	1.513357169	0.149439794	0.4313125
<i>eutG</i>	2.176363275	1.574439433	0.166876556	0.454525976
<i>cspG</i>	2.170993395	1.774161568	0.221075654	0.505144582
<i>recR</i>	2.170458933	0.590821451	0.00023913	0.025511361
<i>yfeC</i>	2.170285943	1.545321513	0.160192759	0.443593883
<i>proQ</i>	2.170047258	1.066502355	0.041877772	0.345066032
<i>pssA</i>	2.165634267	1.280859994	0.090881542	0.386603764
<i>def</i>	2.163090717	1.411514309	0.125408699	0.409405752
<i>hypC</i>	2.1627848	1.140920516	0.058006477	0.36375562
<i>ycfS</i>	2.162375447	0.956433376	0.023767055	0.286927951
<i>ybhL</i>	2.154627969	1.33130466	0.105569222	0.396303494
<i>pitA</i>	2.153555827	1.20948844	0.074985834	0.373744519
<i>uidR</i>	2.150406326	1.375428112	0.117947942	0.405691946
<i>kbl</i>	2.148149339	0.896863524	0.01661222	0.262886141
<i>rraB</i>	2.147899303	1.3364257	0.108011172	0.398070265
<i>pheS</i>	2.147191447	0.951247442	0.023993235	0.286927951
<i>asd</i>	2.145889018	1.096218938	0.050284378	0.357424257
<i>gcvT</i>	2.145476909	1.094808991	0.050033031	0.357424257
<i>ileS</i>	2.144494793	0.965974172	0.02641651	0.299970731
<i>csrC</i>	2.144346928	1.55152294	0.166943556	0.454525976
<i>nuoN</i>	2.1434566	0.872119253	0.013980801	0.250352735
<i>ybjN</i>	2.142069592	1.353484823	0.113505163	0.402580869
<i>nudB</i>	2.141341226	1.296767526	0.098679062	0.392933288
<i>valS</i>	2.140200349	1.13799304	0.06001551	0.36375562
<i>gshA</i>	2.136058999	1.097341695	0.051585589	0.357424257
<i>secA</i>	2.132060757	1.208592665	0.077717591	0.374816185
<i>nuoJ</i>	2.130677017	1.186224144	0.072465233	0.371865892
<i>glyQ</i>	2.130172809	0.771565227	0.005765185	0.164265687
<i>rsmA</i>	2.124326609	0.920067801	0.020950213	0.277602331

<i>nuoB</i>	2.122210232	1.391004548	0.127092728	0.409405752
<i>ddlB</i>	2.120407983	1.068149405	0.047130785	0.352557243
<i>aspT</i>	2.119549843	3.10865847	0.495351896	0.739780307
<i>yidD</i>	2.118825066	1.350852139	0.116762162	0.404381925
<i>ftsA</i>	2.116113872	1.005399068	0.03531306	0.32752865
<i>rob</i>	2.115644525	1.175776301	0.071961796	0.37116173
<i>obgE</i>	2.111956216	0.985932935	0.032186311	0.321852891
<i>ydfG</i>	2.111504145	1.162385449	0.069289624	0.367589495
<i>apt</i>	2.108844964	1.249016862	0.091333719	0.387027055
<i>ptsN</i>	2.103640722	1.040125601	0.043126044	0.346511754
<i>garL</i>	2.10360349	0.762226418	0.00578342	0.164265687
<i>ffh</i>	2.100593547	1.141170552	0.065660277	0.367589495
<i>flhD</i>	2.099248182	1.52813737	0.169525513	0.459396009
<i>fepG</i>	2.098351844	1.47209393	0.154035886	0.43699194
<i>upp</i>	2.097957721	1.315619535	0.110789669	0.399980076
<i>alaS</i>	2.097878167	1.183512816	0.076297345	0.373744519
<i>rseB</i>	2.094550557	1.297052287	0.106342235	0.396303494
<i>rhsB</i>	2.093916913	2.011506651	0.297889741	0.582202085
<i>hokB</i>	2.093010881	1.818874885	0.249848538	0.529475156
<i>nanE</i>	2.091895841	1.221570079	0.086811034	0.383361441
<i>opgG</i>	2.091171894	1.278364143	0.10187755	0.395053485
<i>hinT</i>	2.08892559	1.464482764	0.153755401	0.436807564
<i>lysU</i>	2.087370172	1.282594143	0.103639519	0.395998689
<i>ydbJ</i>	2.086941463	1.341280658	0.119724269	0.406500994
<i>thiE</i>	2.082797412	1.324680613	0.115880628	0.403550127
<i>btuB</i>	2.081482374	1.079933976	0.053927767	0.357756229
<i>tolB</i>	2.080521516	1.086138439	0.055426032	0.35965674
<i>relB</i>	2.078535404	1.580114447	0.188364269	0.476558741
<i>glpK</i>	2.078317653	1.32214103	0.115965996	0.403550127
<i>yebA</i>	2.078309406	1.119522145	0.063392939	0.365049682
<i>rpoE</i>	2.07583155	1.598269273	0.1940127	0.48194086
<i>mlaD</i>	2.074021988	1.402443042	0.139176769	0.426425317
<i>sfsA</i>	2.069008937	1.318118487	0.116492276	0.404162056
<i>yaeH</i>	2.066153062	1.452355499	0.154845728	0.438982224
<i>rmuC</i>	2.065695465	1.15959775	0.074848813	0.373744519
<i>slyA</i>	2.063729494	1.427309901	0.148208768	0.4313125
<i>iscX</i>	2.063459465	1.555530395	0.184663837	0.472916736
<i>nikD</i>	2.063387144	1.1189304	0.065172788	0.367589495
<i>mlaC</i>	2.060972958	1.220406863	0.091265642	0.387027055
<i>rodZ</i>	2.060484288	0.98002858	0.035511804	0.32752865
<i>mrp</i>	2.060281622	1.104471101	0.062125201	0.36375562
<i>ftnB</i>	2.05837904	1.296543281	0.1123791	0.400636634
<i>gyrB</i>	2.057517356	1.022143972	0.044120647	0.346511754
<i>smg</i>	2.05722603	1.305716859	0.11512887	0.403550127
<i>glgA</i>	2.05099429	0.667188987	0.002111507	0.095180594
<i>gltX</i>	2.048909027	1.157844277	0.076795556	0.373744519
<i>yeeX</i>	2.048516548	1.542204677	0.184077719	0.472916736
<i>lpxD</i>	2.044865934	1.149357056	0.07521698	0.373744519
<i>surA</i>	2.044807638	1.011086817	0.043136509	0.346511754

<i>gltP</i>	2.043628867	1.26676774	0.106687494	0.396303494
<i>yihA</i>	2.042492696	1.10811044	0.065296715	0.367589495
<i>yhcB</i>	2.042308832	1.508789306	0.175861567	0.465671321
<i>ilvA</i>	2.041093006	1.174069662	0.082126814	0.379645316
<i>yejL</i>	2.039938625	1.666832416	0.221012039	0.505144582
<i>flgF</i>	2.036838563	0.854009382	0.017077698	0.263454633
<i>murF</i>	2.036738244	0.609251581	0.000828729	0.055085064
<i>yjiI</i>	2.034674499	0.97658024	0.037208509	0.333724107
<i>gltW</i>	2.033880903	4.562151049	0.65573001	0.838288833
<i>pfkA</i>	2.033821999	1.10310553	0.065223392	0.367589495
<i>serV</i>	2.031341623	4.494631006	0.651306103	0.835568019
<i>trxB</i>	2.029586162	1.108215367	0.067040789	0.367589495
<i>ugpC</i>	2.029363328	1.603688931	0.205715608	0.489461478
<i>damX</i>	2.029153917	0.750204811	0.006834554	0.173701536
<i>nanK</i>	2.028323248	1.146088737	0.076764041	0.373744519
<i>yedF</i>	2.028270246	1.454226654	0.163093809	0.44917276
<i>fbp</i>	2.027941208	1.226819093	0.09832933	0.39234951
<i>pyrG</i>	2.02753067	1.263868192	0.108664166	0.398282207
<i>yajG</i>	2.026969712	1.235249964	0.1008101	0.395053485
<i>fkpA</i>	2.026547756	1.38769281	0.144187858	0.428546609
<i>msbA</i>	2.026488929	1.172642297	0.0839633	0.381835591
<i>tusE</i>	2.026177587	1.429295129	0.156305779	0.440962859
<i>hycE</i>	2.026143757	1.430859355	0.156765906	0.441176167
<i>narP</i>	2.025922438	1.289363449	0.116122768	0.403550127
<i>fdx</i>	2.024992505	1.283776365	0.114710024	0.403550127
<i>purU</i>	2.02437122	1.122724419	0.071374355	0.369542316
<i>metL</i>	2.023811098	1.203659456	0.092688779	0.387027055
<i>fabH</i>	2.020897333	1.038006711	0.051546486	0.357424257
<i>yqgB</i>	2.017375903	1.783975242	0.2581259	0.538596601
<i>fhuB</i>	2.013650871	1.544250581	0.192245039	0.48030403
<i>nrdA</i>	2.012442927	0.930879268	0.030627952	0.31710311
<i>ynfK</i>	2.00528482	1.099350746	0.068142576	0.367589495
<i>pepA</i>	2.001141948	0.675173217	0.003037728	0.113271675
<i>lon</i>	1.999455564	1.217779845	0.100613651	0.395053485
<i>selB</i>	1.999414292	1.066285082	0.060775983	0.36375562
<i>yfiF</i>	1.997989556	0.650690402	0.002136516	0.095180594
<i>dnaX</i>	1.996527194	0.876699787	0.022767039	0.283121405
<i>rnk</i>	1.995844973	1.355291135	0.140850316	0.427080912
<i>mutL</i>	1.995520476	0.784502289	0.010969245	0.223463909
<i>pepD</i>	1.994310999	1.624273831	0.219515678	0.503631329
<i>rseA</i>	1.991484581	1.750785773	0.255337495	0.535508641
<i>ssnA</i>	1.990764318	1.089010496	0.06754223	0.367589495
<i>lpxP</i>	1.988754772	1.262421514	0.115175854	0.403550127
<i>ydqH</i>	1.988573167	1.187635217	0.094052548	0.388278036
<i>chaA</i>	1.988416662	1.147964797	0.083251598	0.381205511
<i>tnaB</i>	1.987510803	1.388487188	0.15230937	0.434832525
<i>rrlH</i>	1.987409097	1.61123401	0.217400397	0.500762051
<i>lptC</i>	1.979479972	1.246877484	0.112388201	0.400636634
<i>lptD</i>	1.978776009	1.357787475	0.145018891	0.429756275

<i>fldA</i>	1.971582805	1.532635739	0.198303455	0.485231275
<i>kdsB</i>	1.970516419	1.205801065	0.102217503	0.395053485
<i>dapD</i>	1.969065593	1.143367366	0.085039897	0.382674906
<i>envC</i>	1.967607681	1.020367257	0.053813741	0.357756229
<i>rimK</i>	1.967386188	0.586697896	0.000798481	0.055085064
<i>nuoF</i>	1.962453341	0.865939695	0.023434844	0.286927951
<i>truB</i>	1.961648201	1.052608767	0.06237703	0.36375562
<i>mltD</i>	1.961221074	1.173078147	0.09455216	0.388800372
<i>proS</i>	1.960624282	0.832902206	0.018574261	0.271841357
<i>metG</i>	1.959358048	1.165444918	0.092722065	0.387027055
<i>dppB</i>	1.959075696	0.667767615	0.003348737	0.120571195
<i>yicG</i>	1.955594066	0.883893556	0.026933731	0.299970731
<i>yihD</i>	1.950485784	1.357692978	0.150826647	0.432426611
<i>ybgF</i>	1.946638648	0.91421201	0.033228813	0.324660621
<i>ygeY</i>	1.946003417	1.099389217	0.076714337	0.373744519
<i>speE</i>	1.94395252	1.20006876	0.105260718	0.396303494
<i>rhIE</i>	1.94232014	0.71367333	0.006497036	0.16992893
<i>lolA</i>	1.940259827	1.217356426	0.110974	0.399980076
<i>gloA</i>	1.938508745	1.26219126	0.124580558	0.409405752
<i>der</i>	1.936394911	1.026057019	0.059130796	0.36375562
<i>hscA</i>	1.935666435	0.861789591	0.024697541	0.294481861
<i>pheA</i>	1.933131097	1.109104633	0.081339643	0.37902404
<i>hspQ</i>	1.929943215	1.426200659	0.175989846	0.465706811
<i>gmk</i>	1.925566478	1.413044152	0.172974576	0.462863982
<i>ycaR</i>	1.923997565	1.556581418	0.216443536	0.499978401
<i>acnB</i>	1.92393318	1.682033858	0.252700954	0.532458247
<i>pepP</i>	1.923921584	1.076120517	0.073803283	0.373531224
<i>fnt</i>	1.922139672	1.067121081	0.071665282	0.370575325
<i>fnr</i>	1.919566289	1.11559507	0.085311485	0.382674906
<i>galE</i>	1.918709254	0.614170158	0.001783693	0.091532809
<i>guaB</i>	1.916321685	0.86461492	0.026664976	0.299970731
<i>uspF</i>	1.915849929	1.3544183	0.157209679	0.441668772
<i>dmsC</i>	1.914417715	0.739786605	0.009659183	0.210528636
<i>yehH</i>	1.913331611	2.213849271	0.3874475	0.658855774
<i>racR</i>	1.911144323	1.415741847	0.177040266	0.466641624
<i>yajQ</i>	1.910699155	1.252011708	0.126984149	0.409405752
<i>exuT</i>	1.910597358	1.171972448	0.103050604	0.39523855
<i>yjhP</i>	1.907676207	1.223463359	0.118938968	0.406500994
<i>gcvB</i>	1.906656507	1.584584107	0.228878205	0.513487682
<i>nuoH</i>	1.904704318	1.147887728	0.097052862	0.390380788
<i>yaiE</i>	1.90305564	1.409384501	0.17692802	0.466641624
<i>clpB</i>	1.898789023	1.08736907	0.080772187	0.37803293
<i>flu</i>	1.898135194	0.797133593	0.0172563	0.263454633
<i>plsB</i>	1.896213689	0.735760337	0.009959954	0.21477476
<i>rpoZ</i>	1.887411386	1.368304541	0.167777742	0.456184418
<i>rpoN</i>	1.886055212	1.113330396	0.090252735	0.386361761
<i>dcrB</i>	1.885593424	1.240514866	0.128508782	0.409893472
<i>yqjA</i>	1.885082801	1.120280897	0.092435579	0.387027055
<i>serB</i>	1.884799937	0.850987951	0.026771227	0.299970731

<i>hypB</i>	1.880263843	0.86572412	0.029863413	0.315424071
<i>uxaB</i>	1.879246455	1.46032834	0.198141101	0.485231275
<i>rrsA</i>	1.875872214	1.560982967	0.229470102	0.514246431
<i>glmU</i>	1.875547935	1.009098115	0.063078491	0.36375562
<i>folD</i>	1.875310161	0.690038601	0.006573964	0.170334607
<i>focA</i>	1.874154189	1.129382146	0.097024972	0.390380788
<i>uspG</i>	1.873873741	1.49781836	0.210909396	0.495093626
<i>glgP</i>	1.873435492	1.034740933	0.07021274	0.367589495
<i>mprA</i>	1.873107483	1.273822619	0.141436728	0.427561927
<i>yhfS</i>	1.870802289	1.499951957	0.21230897	0.495978403
<i>cysA</i>	1.869619881	1.452722832	0.198102543	0.485231275
<i>speD</i>	1.867960407	1.147735363	0.103627047	0.395998689
<i>nuoI</i>	1.865638295	1.019580253	0.067278333	0.367589495
<i>rsfS</i>	1.864202924	1.475959728	0.206573162	0.489735437
<i>ilvB</i>	1.864110101	0.783510555	0.017351353	0.263454633
<i>can</i>	1.862920949	1.285630895	0.147328507	0.4313125
<i>fecD</i>	1.8628878	1.435983707	0.194531305	0.482342452
<i>yfeX</i>	1.862113756	0.867924655	0.031914602	0.321852891
<i>lipA</i>	1.859079889	1.115563209	0.095614974	0.390380788
<i>hemE</i>	1.858978934	0.673198421	0.005755183	0.164265687
<i>selD</i>	1.856059879	0.988406527	0.060404362	0.36375562
<i>yicR</i>	1.854887221	1.344160503	0.167599077	0.456004469
<i>thiG</i>	1.85295506	1.405237142	0.187300645	0.475464504
<i>trmJ</i>	1.852225626	0.834086011	0.026373659	0.299970731
<i>brnQ</i>	1.851987366	0.746170086	0.013065061	0.246046435
<i>yceQ</i>	1.851745666	1.444224947	0.199782103	0.485231275
<i>sstT</i>	1.850939487	1.045383443	0.076629858	0.373744519
<i>minD</i>	1.850068106	1.186756683	0.119013445	0.406500994
<i>ibpA</i>	1.846621275	1.34742771	0.170537451	0.460905883
<i>ribA</i>	1.845423185	1.206318171	0.126066725	0.409405752
<i>copA</i>	1.844390178	1.110109677	0.096623382	0.390380788
<i>fdoG</i>	1.843725401	1.439204496	0.200168178	0.485231275
<i>yqiB</i>	1.843432383	1.361227223	0.175658878	0.465671321
<i>rhsA</i>	1.842955733	1.996287051	0.355907288	0.634177488
<i>htpG</i>	1.841905141	1.046672113	0.078446332	0.374816185
<i>plsX</i>	1.841542989	1.06578751	0.084011412	0.381835591
<i>grxC</i>	1.837335621	1.478202983	0.213885456	0.497251883
<i>cmk</i>	1.837229172	1.324717356	0.165477168	0.453568742
<i>map</i>	1.836890625	1.182212458	0.120238406	0.406808855
<i>nfi</i>	1.83587075	0.838779132	0.028615629	0.310222676
<i>dicA</i>	1.827125472	1.340432126	0.172855125	0.462863982
<i>fadA</i>	1.827112913	1.279451378	0.153279183	0.436372057
<i>yciO</i>	1.824907882	1.183276195	0.123012819	0.409405752
<i>dmsB</i>	1.822243128	1.004386421	0.069633873	0.367589495
<i>yceB</i>	1.82198009	1.062179538	0.086286179	0.382674906
<i>dacA</i>	1.821069389	1.163110689	0.117421487	0.405451127
<i>priA</i>	1.820900182	1.156289757	0.115307594	0.403550127
<i>ychA</i>	1.817124909	1.189325898	0.126547	0.409405752
<i>mliA</i>	1.813514075	1.39349523	0.193116815	0.48030403

<i>malT</i>	1.812319573	0.871222632	0.037506955	0.334793019
<i>aroG</i>	1.811828263	1.160247663	0.118385193	0.405691946
<i>trpS</i>	1.810930427	1.062468148	0.088295891	0.384480713
<i>mnmA</i>	1.806912685	1.044059319	0.083512255	0.381205511
<i>ispE</i>	1.805183194	0.916648643	0.048915268	0.356018847
<i>tesA</i>	1.80226644	0.638134846	0.004738814	0.150754652
<i>ppc</i>	1.802187401	0.87378019	0.039158442	0.337743189
<i>thyA</i>	1.800904563	1.162983971	0.121497021	0.407401922
<i>clpS</i>	1.798679104	1.416390545	0.204119058	0.487965088
<i>yeaO</i>	1.798210799	1.345668818	0.181452801	0.471847116
<i>dcd</i>	1.798195006	0.675494661	0.007766824	0.184929184
<i>mtn</i>	1.796922799	1.121354053	0.109054363	0.39865319
<i>uhpB</i>	1.795779466	1.222834899	0.141958153	0.427561927
<i>bssS</i>	1.793358282	1.77925004	0.313488395	0.599885026
<i>rsmJ</i>	1.793149855	1.374823809	0.192139456	0.48030403
<i>glmS</i>	1.791817997	0.915320103	0.050278589	0.357424257
<i>ibaG</i>	1.791441188	1.471134895	0.223327603	0.50806403
<i>mraZ</i>	1.790917701	1.511899694	0.236196222	0.519106803
<i>yfbV</i>	1.787201279	1.372936143	0.19300643	0.48030403
<i>metJ</i>	1.786449756	1.319459992	0.175760334	0.465671321
<i>ubiH</i>	1.785606356	0.774248642	0.021096997	0.277602331
<i>hflD</i>	1.784431229	0.805718552	0.026780122	0.299970731
<i>uvrD</i>	1.782042766	1.150212756	0.12130583	0.407401922
<i>yidF</i>	1.778190028	0.640391063	0.005490958	0.164265687
<i>yecA</i>	1.77730016	1.07058098	0.09688895	0.390380788
<i>yigA</i>	1.776634383	0.887253963	0.045242086	0.346713453
<i>lepB</i>	1.772389374	1.006777618	0.07833024	0.374816185
<i>galU</i>	1.772310006	1.105070258	0.108758479	0.398282207
<i>yadG</i>	1.771973075	1.051365567	0.09191114	0.387027055
<i>ygfK</i>	1.771970456	1.251285036	0.156740212	0.441176167
<i>yjeI</i>	1.771373365	1.107106965	0.109598138	0.398679812
<i>dsbC</i>	1.77018893	1.215694183	0.145361197	0.430141819
<i>dppF</i>	1.769675858	0.590948145	0.002747706	0.109049815
<i>rsmE</i>	1.76925951	1.035636389	0.087566032	0.383361441
<i>murE</i>	1.768484924	0.715639896	0.013466279	0.24823952
<i>rpiA</i>	1.767831396	1.219248003	0.147076408	0.4313125
<i>yfgM</i>	1.761852466	1.202042048	0.142725627	0.427567449
<i>rtcA</i>	1.760879735	1.390098427	0.205251758	0.489461478
<i>fecB</i>	1.760742347	1.201870475	0.142920441	0.427567449
<i>nagB</i>	1.759548691	0.927491589	0.057814116	0.36375562
<i>yagG</i>	1.759203505	1.794811636	0.32700689	0.614597093
<i>nfuA</i>	1.756846459	1.288845936	0.172845969	0.462863982
<i>usg</i>	1.756242121	0.886256034	0.04751933	0.353745052
<i>yiaF</i>	1.756235639	0.970877962	0.070464221	0.367589495
<i>ybeL</i>	1.755881419	1.381444485	0.203711787	0.487965088
<i>pepN</i>	1.754914943	0.965872521	0.069229072	0.367589495
<i>yhbJ</i>	1.753913706	1.12923123	0.120377104	0.406808855
<i>gldA</i>	1.753349311	0.634966968	0.00575676	0.164265687
<i>yqjC</i>	1.746315785	1.336494472	0.191335348	0.48030403

<i>ychF</i>	1.745212284	1.026445055	0.08908408	0.385449519
<i>emrD</i>	1.744211745	1.209935114	0.149422414	0.4313125
<i>prc</i>	1.743449845	1.143841775	0.127457402	0.409405752
<i>phnN</i>	1.743238052	1.597108342	0.275054502	0.558871656
<i>nagE</i>	1.735536619	0.734249137	0.018093994	0.268142043
<i>gpp</i>	1.734892206	0.878041976	0.048170095	0.353805533
<i>hemY</i>	1.734752614	0.667652413	0.009369014	0.20869221
<i>yjjK</i>	1.734221206	0.752821427	0.021243483	0.277602331
<i>mreC</i>	1.733529721	0.584881187	0.003037664	0.113271675
<i>flgE</i>	1.73137998	0.927624342	0.061976093	0.36375562
<i>hemX</i>	1.729060544	0.823997043	0.035871416	0.32752865
<i>yaqH</i>	1.728577365	1.96437199	0.37887861	0.65374791
<i>epd</i>	1.728098702	1.070486462	0.106459857	0.396303494
<i>phnG</i>	1.727736663	1.79210888	0.335005726	0.620079601
<i>puuB</i>	1.72497639	1.532257375	0.26026095	0.54191833
<i>gor</i>	1.7238792	0.628339304	0.006077911	0.164265687
<i>ruvC</i>	1.722791965	0.987947274	0.081192292	0.378772785
<i>rph</i>	1.722226834	0.627537157	0.006061754	0.164265687
<i>fdoH</i>	1.721570895	1.06881386	0.107238513	0.396303494
<i>era</i>	1.721073947	0.871406241	0.048262077	0.353805533
<i>gltA</i>	1.719769268	1.758413832	0.328062921	0.614967825
<i>lptG</i>	1.717836308	0.646137222	0.007846033	0.184929184
<i>ybeX</i>	1.713946127	1.033546686	0.097253873	0.390380788
<i>yieP</i>	1.713841575	1.136877217	0.131682731	0.414795486
<i>yaqA</i>	1.713470671	1.668775818	0.304522648	0.590295953
<i>prmB</i>	1.711784391	0.798575517	0.032069178	0.321852891
<i>bcp</i>	1.711747319	1.158291167	0.139455624	0.426425317
<i>yrdD</i>	1.710956609	1.119444545	0.126413794	0.409405752
<i>aroB</i>	1.709208683	0.74744717	0.02221168	0.280517603
<i>ydcA</i>	1.709108877	1.642199221	0.297994407	0.582202085
<i>hypF</i>	1.70669319	1.360939666	0.209822016	0.493398174
<i>gabD</i>	1.706192942	1.585462978	0.281861035	0.564557626
<i>tdh</i>	1.701887446	0.953310302	0.074222437	0.373744519
<i>yhbS</i>	1.701669229	0.668434132	0.010904183	0.223260397
<i>rluB</i>	1.699939667	0.968582991	0.079245796	0.376626561
<i>yciI</i>	1.698130767	1.415682663	0.230328256	0.514941258
<i>parE</i>	1.697598386	0.824864451	0.039586951	0.338654556
<i>bssR</i>	1.696341745	1.713454809	0.322167991	0.609458252
<i>fabR</i>	1.695429363	0.961552041	0.077863116	0.374816185
<i>hemC</i>	1.695246511	0.589672867	0.004041642	0.13666646
<i>gmhB</i>	1.693235303	1.235025635	0.17037113	0.46076355
<i>hycD</i>	1.691352913	1.449360917	0.243224657	0.523887136
<i>hslU</i>	1.690176636	0.905751496	0.062034516	0.36375562
<i>argR</i>	1.688706291	1.268571234	0.183127292	0.472775241
<i>asnS</i>	1.688542196	0.939889837	0.072409944	0.371865892
<i>ynfD</i>	1.688499845	1.158480993	0.144975126	0.429756275
<i>mntS</i>	1.680794221	4.374292666	0.700797862	0.86432447
<i>spoT</i>	1.680490529	0.837873411	0.044892364	0.346511754
<i>hisD</i>	1.68000353	0.887154651	0.058265026	0.36375562

<i>eutA</i>	1.679691338	1.514358864	0.267354027	0.549605773
<i>minC</i>	1.674571489	1.117467992	0.133992775	0.417851314
<i>pepB</i>	1.671866073	0.596683175	0.005079748	0.15483682
<i>murC</i>	1.667415386	0.684665994	0.014876547	0.253499259
<i>yacL</i>	1.666633076	1.154510691	0.148856049	0.4313125
<i>sdhC</i>	1.6660965	1.653220657	0.313556085	0.599885026
<i>glnB</i>	1.665400387	1.374809337	0.225754301	0.510610481
<i>ycbZ</i>	1.664435694	1.010448518	0.099511881	0.393965983
<i>glgC</i>	1.662787828	0.917810164	0.070034054	0.367589495
<i>minE</i>	1.65683472	1.591202902	0.297761081	0.582202085
<i>opgH</i>	1.655229413	0.784386149	0.034839183	0.32752865
<i>metQ</i>	1.654263047	1.075848688	0.124137783	0.409405752
<i>potA</i>	1.652314184	0.984334719	0.09322806	0.387027055
<i>plaP</i>	1.65088646	0.930040242	0.075886343	0.373744519
<i>ygeW</i>	1.648076841	1.149372298	0.151602812	0.433849076
<i>rluD</i>	1.646820958	0.811258138	0.042360682	0.345787635
<i>maeA</i>	1.645547006	1.123748496	0.14310177	0.427567449
<i>dppD</i>	1.644841376	0.611879619	0.007184307	0.179028999
<i>amiB</i>	1.643584577	0.768835718	0.032536403	0.321852891
<i>ycbB</i>	1.641772438	0.770528366	0.033113047	0.324660621
<i>ribD</i>	1.639034032	0.611180153	0.007323757	0.179028999
<i>thiI</i>	1.633617731	0.738264065	0.026912651	0.299970731
<i>exuR</i>	1.633284296	1.133444325	0.14958692	0.4313125
<i>lpoB</i>	1.633124275	0.755955954	0.030746114	0.31710311
<i>dtpB</i>	1.633053442	1.072929251	0.127996208	0.409405752
<i>glpF</i>	1.632543355	1.250604166	0.191755406	0.48030403
<i>mutS</i>	1.632512445	0.797540347	0.040664566	0.339905467
<i>tatC</i>	1.629459192	1.046479689	0.119449996	0.406500994
<i>garK</i>	1.627682104	0.751174974	0.030246434	0.315490476
<i>folE</i>	1.626685816	1.189565919	0.171480639	0.462222414
<i>fdhE</i>	1.624481249	0.906704972	0.073192003	0.37206423
<i>cueR</i>	1.622530933	0.589770211	0.005939117	0.164265687
<i>ribB</i>	1.62076099	1.060907943	0.126584248	0.409405752
<i>hscB</i>	1.619220791	0.884577706	0.067174987	0.367589495
<i>ybeZ</i>	1.618376636	0.79948559	0.042942129	0.346511754
<i>recA</i>	1.615904228	0.72301399	0.025420258	0.295116348
<i>galK</i>	1.615896002	0.760286922	0.033555205	0.324660621
<i>yagI</i>	1.613476117	1.218431933	0.185428851	0.473701881
<i>rlpA</i>	1.612760049	0.627215276	0.010131686	0.21504636
<i>guaC</i>	1.611375814	0.586124138	0.005973988	0.164265687
<i>eutT</i>	1.607338171	1.462163873	0.271642772	0.555507522
<i>yibT</i>	1.606719017	1.504814345	0.285647241	0.569888737
<i>astD</i>	1.60528278	1.532101377	0.294746717	0.578925965
<i>pflA</i>	1.603548356	1.10915657	0.148251067	0.4313125
<i>rpe</i>	1.603239351	0.955405591	0.093333048	0.387027055
<i>araB</i>	1.60037395	1.462873544	0.273957888	0.55726306
<i>priC</i>	1.60026876	0.941769744	0.089278784	0.385449519
<i>dcuC</i>	1.599499727	0.892287434	0.073039547	0.37206423
<i>ssb</i>	1.597823905	0.733600643	0.029401805	0.312860316

<i>glpX</i>	1.597278249	0.645686995	0.01336974	0.24823952
<i>ygjR</i>	1.595625786	0.970030344	0.099985572	0.394894668
<i>yncJ</i>	1.594422	1.43373237	0.266104683	0.548164829
<i>ddlA</i>	1.594137822	0.966452479	0.099050653	0.393168651
<i>argS</i>	1.593549096	0.944705062	0.091637622	0.387027055
<i>secM</i>	1.592723989	0.99173133	0.10827314	0.398282207
<i>dnaN</i>	1.591299726	0.678704048	0.019046733	0.274420156
<i>ubiD</i>	1.591021395	0.84177563	0.058747562	0.36375562
<i>ycdZ</i>	1.590152642	1.360964613	0.242644984	0.523497849
<i>hpt</i>	1.589797641	1.119575642	0.155607622	0.440489098
<i>yhdE</i>	1.589673648	0.767511927	0.038339751	0.336427168
<i>hycB</i>	1.587021893	1.436558552	0.269272809	0.551886738
<i>rsmB</i>	1.585348996	0.964545692	0.100254205	0.395053485
<i>yhbE</i>	1.584514586	1.078404875	0.141747841	0.427561927
<i>ispA</i>	1.581497383	0.835197796	0.058283398	0.36375562
<i>garD</i>	1.580804719	0.891271735	0.076120949	0.373744519
<i>hslO</i>	1.58019819	0.757033531	0.036856001	0.332031619
<i>tldD</i>	1.579662352	0.615245825	0.010242581	0.216267834
<i>hemN</i>	1.57892004	0.672940243	0.018960813	0.274420156
<i>glnG</i>	1.578321662	0.854807861	0.064833396	0.367589495
<i>rrsG</i>	1.577916269	1.358384594	0.245392979	0.525469563
<i>yfbT</i>	1.577281295	0.741027096	0.033295078	0.324660621
<i>ybiT</i>	1.57660121	0.840631354	0.060724443	0.36375562
<i>mfaF</i>	1.575800498	1.025079176	0.124232689	0.409405752
<i>selA</i>	1.575494643	0.835826762	0.059436106	0.36375562
<i>citX</i>	1.573855094	1.412648651	0.265229234	0.547633578
<i>ftsK</i>	1.572231565	1.044979637	0.132437975	0.416330989
<i>yaeP</i>	1.571945998	1.262928505	0.213248193	0.49681679
<i>narJ</i>	1.570953758	1.118256164	0.160073445	0.44356647
<i>fixB</i>	1.569664261	1.48429589	0.290276891	0.5746692
<i>udk</i>	1.568507637	1.20222783	0.192006076	0.48030403
<i>pdxJ</i>	1.566591276	0.605026208	0.009617269	0.210528636
<i>ubiF</i>	1.565694568	0.745437218	0.035696235	0.32752865
<i>dcuB</i>	1.564673153	0.952156085	0.100321951	0.395053485
<i>uvrA</i>	1.562702307	0.884601092	0.077301679	0.374512315
<i>oxyR</i>	1.562486793	0.656383585	0.017291616	0.263454633
<i>pepT</i>	1.56013896	0.975232762	0.1096517	0.398679812
<i>yejG</i>	1.559259573	1.486743571	0.29428166	0.57883171
<i>moeA</i>	1.558197442	0.68386378	0.022695602	0.283101448
<i>maeB</i>	1.556253114	0.932186996	0.095025356	0.389124035
<i>nadE</i>	1.555821714	1.054896991	0.14025112	0.426540165
<i>yhiI</i>	1.555817532	1.236641754	0.20835602	0.491661993
<i>yicC</i>	1.55578221	0.86849994	0.0732381	0.37206423
<i>phoP</i>	1.554195497	1.225620862	0.204766413	0.488882825
<i>srmB</i>	1.554031936	0.671045199	0.020567119	0.277602331
<i>sanA</i>	1.552144121	1.118458378	0.16521223	0.453159932
<i>yfeY</i>	1.549241689	0.999153358	0.121008494	0.407110735
<i>katG</i>	1.546978552	0.768121696	0.044012068	0.346511754
<i>ycfL</i>	1.545910215	1.143666955	0.176466942	0.466641624

<i>xseB</i>	1.544464224	1.146291426	0.177865157	0.467616956
<i>yhbU</i>	1.542075558	0.96177596	0.108854634	0.398282207
<i>ybbN</i>	1.541899346	0.577657382	0.007602579	0.182975376
<i>ydfZ</i>	1.541726272	1.698363442	0.363998852	0.641370025
<i>thiP</i>	1.540433642	1.41631747	0.276757149	0.560426315
<i>gsk</i>	1.540253553	0.896436932	0.085761033	0.382674906
<i>ulaF</i>	1.539051555	1.193670395	0.197278581	0.485231275
<i>yggW</i>	1.538211633	0.620051631	0.013109529	0.246046435
<i>bioC</i>	1.537600474	1.486522463	0.300967551	0.585752498
<i>yjaG</i>	1.537153293	1.057998423	0.146254832	0.430851022
<i>rrsC</i>	1.533225817	1.558967213	0.325367233	0.612651539
<i>yagE</i>	1.532525858	1.569777941	0.328931078	0.615301461
<i>holC</i>	1.531000346	0.552512876	0.005588841	0.164265687
<i>dut</i>	1.529962152	0.87867612	0.081646275	0.379146961
<i>yraP</i>	1.528797365	0.728051592	0.035742252	0.32752865
<i>slt</i>	1.528168195	0.68374036	0.025416534	0.295116348
<i>gph</i>	1.527940569	0.561351065	0.006490809	0.16992893
<i>yrfG</i>	1.527695388	1.03407921	0.139582239	0.426425317
<i>hemA</i>	1.527586985	0.803436351	0.057260538	0.362709717
<i>gpmA</i>	1.52664042	1.08262274	0.15850086	0.443018227
<i>yejM</i>	1.525817469	0.758423919	0.044238211	0.346511754
<i>hrpB</i>	1.524971314	1.168621338	0.191916023	0.48030403
<i>yobB</i>	1.523011904	0.98175093	0.120824516	0.407110735
<i>gutM</i>	1.522371991	0.642227961	0.017766243	0.266133831
<i>bax</i>	1.522034313	0.983508185	0.121729153	0.407842965
<i>yebY</i>	1.52183293	1.254739355	0.225180378	0.510559984
<i>yecS</i>	1.521292106	0.583291781	0.009104233	0.205047566
<i>ispF</i>	1.520186301	0.662533834	0.021761586	0.27830116
<i>flgC</i>	1.518759649	1.013126264	0.133852283	0.417851314
<i>rraA</i>	1.518590202	1.179653118	0.197983026	0.485231275
<i>ftsN</i>	1.518225376	0.706413075	0.031618281	0.320451274
<i>puuE</i>	1.518105646	1.513539499	0.315852723	0.603424571
<i>rsuA</i>	1.516498662	0.97024365	0.118050695	0.405691946
<i>relA</i>	1.513968196	0.87381316	0.083166888	0.381205511
<i>dedA</i>	1.513874058	1.201823929	0.207796687	0.490627705
<i>yigP</i>	1.51292202	0.645800268	0.019144315	0.274420156
<i>glnE</i>	1.512563736	1.070369619	0.157619614	0.442513792
<i>yiaQ</i>	1.510022821	1.597676714	0.344589115	0.626843182
<i>topA</i>	1.508689851	1.126742756	0.180576076	0.47047263
<i>truA</i>	1.508502628	0.688087326	0.028356931	0.309862525
<i>mukB</i>	1.508128525	0.849499242	0.075845933	0.373744519
<i>ycbJ</i>	1.507109475	1.005020483	0.13372301	0.417851314
<i>hldE</i>	1.502714505	0.67585058	0.026186016	0.299881667
<i>rseP</i>	1.501967299	1.06402691	0.158071396	0.442556244
<i>kdsD</i>	1.501410021	0.7539104	0.046426315	0.351679413
<i>lyxK</i>	1.500553959	1.480735945	0.310876829	0.597119553
<i>galM</i>	1.500383439	0.780288712	0.054498039	0.358660795
<i>rrlA</i>	1.499523558	1.778930034	0.39926443	0.666780619
<i>flhC</i>	1.499290379	1.129471311	0.184367571	0.472916736

<i>cysS</i>	1.497593653	0.619517491	0.015633765	0.257639363
<i>ydgA</i>	1.496914574	1.167325609	0.199721524	0.485231275
<i>rlmN</i>	1.495689306	0.865636117	0.084015133	0.381835591
<i>rppH</i>	1.494785929	1.26783335	0.238394906	0.520998895
<i>nikB</i>	1.493595447	1.378090333	0.278446681	0.561735111
<i>lolE</i>	1.492294643	0.878375676	0.089333263	0.385449519
<i>ftsQ</i>	1.490538759	0.94639361	0.115264048	0.403550127
<i>napG</i>	1.489064349	1.260368559	0.237423402	0.519997013
<i>fadR</i>	1.488465135	1.1264654	0.186381708	0.473725042
<i>mioC</i>	1.486585521	1.226207313	0.225380589	0.510610481
<i>envZ</i>	1.485906249	0.679605658	0.028784586	0.31118056
<i>eutD</i>	1.485538212	1.471626083	0.312757155	0.599046731
<i>hokD</i>	1.484460753	1.85416577	0.423358367	0.687464692
<i>argP</i>	1.482538906	0.615673754	0.01604043	0.259075318
<i>purL</i>	1.48098119	1.320269581	0.261978806	0.543532281
<i>cpxA</i>	1.479948176	0.607349729	0.014820682	0.253499259
<i>sseA</i>	1.47983317	1.112463855	0.183442391	0.472775241
<i>gpsA</i>	1.479013094	0.611232159	0.015532293	0.257639363
<i>zwf</i>	1.478683166	1.084686687	0.17280837	0.462863982
<i>rsqA</i>	1.478337363	0.721003696	0.040326578	0.339178316
<i>pcnB</i>	1.477217275	0.610448985	0.015525351	0.257639363
<i>rutD</i>	1.475555014	1.568017481	0.346688334	0.627724209
<i>caiF</i>	1.473275888	1.246851311	0.237365607	0.519997013
<i>ynfB</i>	1.472255239	1.387818836	0.288762128	0.573843954
<i>pntB</i>	1.471619348	0.843012502	0.080868782	0.37803293
<i>fdhF</i>	1.471399413	0.664551477	0.026820246	0.299970731
<i>spy</i>	1.470917449	0.942521886	0.118613702	0.406131712
<i>prmC</i>	1.470727005	0.589006808	0.012526275	0.238410881
<i>gabT</i>	1.469846928	1.537565161	0.339093713	0.62332179
<i>murD</i>	1.469638045	0.633246307	0.020297639	0.277602331
<i>rrsE</i>	1.466803571	2.485169432	0.555041312	0.780158646
<i>hslV</i>	1.466423881	0.705074764	0.03754266	0.334793019
<i>rrsB</i>	1.462999412	2.946926764	0.619577525	0.818965533
<i>dctA</i>	1.461237979	1.957144522	0.455294596	0.709909343
<i>yhfa</i>	1.459354423	1.275172447	0.252442485	0.532458247
<i>ugpQ</i>	1.459091967	1.094008991	0.182298546	0.472440092
<i>ribF</i>	1.456566836	0.819406408	0.075471579	0.373744519
<i>entA</i>	1.456493338	1.21509438	0.230657517	0.515198664
<i>yagF</i>	1.4548625	2.055397389	0.479053684	0.72819034
<i>tsaB</i>	1.454534316	0.668095386	0.029470444	0.312860316
<i>wcaN</i>	1.454338982	0.89193035	0.102984845	0.39523855
<i>fadL</i>	1.454165259	1.095406297	0.184339296	0.472916736
<i>yjbE</i>	1.453547622	1.203302478	0.227060615	0.511182936
<i>mraY</i>	1.45338226	0.815265867	0.074633593	0.373744519
<i>ygbK</i>	1.451840903	1.145633326	0.205054346	0.489282119
<i>fliI</i>	1.451532082	1.373259777	0.290512751	0.5746692
<i>sthA</i>	1.451043843	0.787527773	0.065397608	0.367589495
<i>mrcA</i>	1.450708526	0.898049488	0.106224249	0.396303494
<i>nikE</i>	1.449706101	1.296536343	0.263508208	0.544753837

<i>eutK</i>	1.449433147	0.954971126	0.129070642	0.410716155
<i>thrB</i>	1.448367788	0.628750047	0.021246968	0.277602331
<i>rfbB</i>	1.448004078	0.967260268	0.1343891	0.418122342
<i>ydhR</i>	1.442172941	1.274973037	0.257996191	0.538596601
<i>flgD</i>	1.440986637	0.886248777	0.103962588	0.396150037
<i>yffB</i>	1.440411135	1.196928696	0.228812797	0.513487682
<i>hyaD</i>	1.438820189	1.179349595	0.222460477	0.506375504
<i>ilvE</i>	1.438011809	0.668904538	0.03157094	0.320451274
<i>mdtP</i>	1.437117737	1.445810154	0.320228779	0.607490627
<i>fdrA</i>	1.437070533	1.472258247	0.329015161	0.615301461
<i>yshB</i>	1.435044511	1.933767545	0.458028123	0.712253936
<i>ychJ</i>	1.433981626	1.137240486	0.207333758	0.490627705
<i>hslJ</i>	1.433455143	1.141633743	0.209254735	0.493208545
<i>fre</i>	1.432633371	0.952938354	0.132739754	0.416330989
<i>gutQ</i>	1.432552521	1.018642459	0.159624678	0.443535602
<i>flgJ</i>	1.432013722	1.117324601	0.199967133	0.485231275
<i>recJ</i>	1.428233012	0.700468432	0.04145318	0.343662965
<i>puuC</i>	1.42592337	1.511578143	0.345509984	0.626990813
<i>panD</i>	1.425601121	1.307904061	0.275717962	0.559159889
<i>recG</i>	1.422301239	1.1031251	0.197280565	0.485231275
<i>yciS</i>	1.422004993	1.364461879	0.297331593	0.582153488
<i>ycdX</i>	1.421137633	1.07421259	0.185849502	0.473701881
<i>rlmH</i>	1.420738973	0.698982469	0.042094802	0.345787635
<i>yeeZ</i>	1.419414539	0.961649997	0.139938548	0.426485017
<i>prfC</i>	1.418921881	0.707961586	0.045044819	0.346511754
<i>lptB</i>	1.416576763	0.796280194	0.075240936	0.373744519
<i>tatB</i>	1.415813195	0.635226816	0.025825154	0.297429473
<i>mnmgG</i>	1.414458474	0.729049166	0.052362507	0.357424257
<i>flgG</i>	1.413070223	0.738789938	0.055788774	0.359671341
<i>lnt</i>	1.412841699	0.709405243	0.046416478	0.351679413
<i>evgA</i>	1.412786167	1.19463075	0.236962454	0.519829973
<i>dnaG</i>	1.409989693	0.707942239	0.046406909	0.351679413
<i>ydcY</i>	1.408822328	1.242975864	0.257035007	0.53740068
<i>yheO</i>	1.408799208	1.031380297	0.171959134	0.462863982
<i>ygeX</i>	1.408780339	0.602084006	0.019291994	0.274420156
<i>eutE</i>	1.408368604	1.529627151	0.357193117	0.635672036
<i>rutF</i>	1.408241124	1.319979415	0.286032362	0.570376387
<i>ygiM</i>	1.407010368	1.149870803	0.221093821	0.505144582
<i>lacI</i>	1.406230462	1.187378868	0.236288441	0.519106803
<i>purR</i>	1.404061369	0.723079722	0.052163802	0.357424257
<i>fnrS</i>	1.40352733	3.308058361	0.671365078	0.84716196
<i>rsmH</i>	1.398078604	0.712704153	0.049802838	0.357424257
<i>diaA</i>	1.398018102	1.019504525	0.170290152	0.46076355
<i>pka</i>	1.397755561	0.853603093	0.101530809	0.395053485
<i>acpT</i>	1.396509863	1.036799452	0.177998561	0.467664397
<i>miaB</i>	1.394741854	0.815315255	0.087140575	0.383361441
<i>yajD</i>	1.394456304	1.189932994	0.241246039	0.52345551
<i>murI</i>	1.394135911	1.024080798	0.173402024	0.463147989
<i>mliA</i>	1.388756762	0.941078972	0.140022585	0.426485017

<i>rimO</i>	1.387634937	0.883244613	0.116167489	0.403550127
<i>cysK</i>	1.387016336	0.953235999	0.14565243	0.430375328
<i>yeaY</i>	1.384763149	0.991463938	0.162508214	0.448168911
<i>mtlA</i>	1.384012194	0.732420657	0.058805973	0.36375562
<i>lhgO</i>	1.381883354	1.401958429	0.324289828	0.611759405
<i>yehY</i>	1.378416224	1.589293743	0.385770157	0.657847271
<i>purD</i>	1.378132437	1.13722619	0.225574896	0.510610481
<i>sdhA</i>	1.377851668	0.980653888	0.160011285	0.44356647
<i>dfp</i>	1.377776245	0.714037995	0.053661884	0.357756229
<i>hemL</i>	1.377502707	0.599615142	0.021601011	0.277602331
<i>glmM</i>	1.376828224	0.678356462	0.042391824	0.345787635
<i>yeiG</i>	1.372341597	0.863644132	0.112057499	0.400636634
<i>ygiF</i>	1.371914451	0.830648576	0.098612372	0.392933288
<i>yebG</i>	1.371579459	1.337230248	0.305039222	0.590558265
<i>lpoA</i>	1.371107204	0.708148521	0.052844933	0.357424257
<i>glpD</i>	1.370668948	0.640763448	0.032426072	0.321852891
<i>rlmB</i>	1.370252833	0.572018918	0.016599177	0.262886141
<i>tolR</i>	1.370081469	1.092126274	0.209657313	0.493398174
<i>ratA</i>	1.368906639	1.133089744	0.227001699	0.511182936
<i>rrlD</i>	1.368603716	1.786479835	0.44362296	0.702273064
<i>panB</i>	1.368142695	0.640041489	0.03255049	0.321852891
<i>murA</i>	1.367878607	0.677134276	0.043373069	0.346511754
<i>yehU</i>	1.364183209	0.812644176	0.093211143	0.387027055
<i>hchA</i>	1.363474412	1.006108778	0.175355176	0.465546747
<i>bioF</i>	1.363075258	1.469702006	0.353692894	0.633528487
<i>yejK</i>	1.362710937	0.815809417	0.094844398	0.388800372
<i>ybbP</i>	1.362438798	1.068230814	0.202161997	0.486536435
<i>thrA</i>	1.362129246	1.150443684	0.236411712	0.519106803
<i>iscR</i>	1.362074388	1.186071548	0.250807014	0.530951246
<i>ppsA</i>	1.360377127	0.738688212	0.065531914	0.367589495
<i>sdhD</i>	1.360111493	1.434543112	0.343071037	0.626208907
<i>recQ</i>	1.358831665	0.942928709	0.149563293	0.4313125
<i>dedD</i>	1.358696638	0.703454672	0.053425826	0.357424257
<i>pmbA</i>	1.357777596	0.787825606	0.084807282	0.382674906
<i>fliY</i>	1.354822664	1.075130522	0.207616284	0.490627705
<i>pbpC</i>	1.352475438	1.328923919	0.308809971	0.595583075
<i>msrC</i>	1.352447951	1.038958668	0.19300729	0.48030403
<i>yqjD</i>	1.347994395	0.869158785	0.120921229	0.407110735
<i>rhsC</i>	1.347846153	1.661636144	0.417276081	0.683875756
<i>lptF</i>	1.346675409	0.760465396	0.076584498	0.373744519
<i>mzrA</i>	1.346597355	0.884101492	0.127727359	0.409405752
<i>livG</i>	1.346043626	1.347645094	0.317885939	0.605312164
<i>holB</i>	1.345569857	0.576786022	0.019654692	0.277602331
<i>hisB</i>	1.345007057	0.81705011	0.099727838	0.39443576
<i>glnL</i>	1.344886883	0.70999752	0.058196678	0.36375562
<i>dusA</i>	1.343827468	0.824260705	0.103029076	0.39523855
<i>nnr</i>	1.342834189	1.226036837	0.27340093	0.556688785
<i>aphA</i>	1.342646702	1.074566083	0.211490288	0.495360959
<i>curA</i>	1.342488387	0.769059141	0.080876243	0.37803293

<i>yciT</i>	1.341884154	1.125593921	0.233199871	0.516947839
<i>fldB</i>	1.341101733	1.24127757	0.279954971	0.562128506
<i>hyaA</i>	1.340506663	1.223780313	0.273349411	0.556688785
<i>yehS</i>	1.340229807	1.220086024	0.271998626	0.555507522
<i>hycG</i>	1.339746025	1.346314549	0.319677366	0.607297114
<i>chaC</i>	1.339129257	0.878910597	0.127602671	0.409405752
<i>pgl</i>	1.339085683	0.597886465	0.025110474	0.295116348
<i>guaD</i>	1.338423463	0.914497515	0.143313766	0.427567449
<i>dnaE</i>	1.338297633	0.796390795	0.09286913	0.387027055
<i>tsaC</i>	1.337577494	0.849262675	0.115259494	0.403550127
<i>ispB</i>	1.335978345	0.893904098	0.135033684	0.419033677
<i>hycC</i>	1.335609606	1.512367178	0.377168616	0.653142047
<i>nagZ</i>	1.333926649	0.713852973	0.061674393	0.36375562
<i>qlnQ</i>	1.332393695	0.872161372	0.1265891	0.409405752
<i>mrcB</i>	1.331242759	0.640547145	0.037682652	0.334793019
<i>mpl</i>	1.330663808	0.602503791	0.027205487	0.300520559
<i>serC</i>	1.329980071	1.064042434	0.2113246	0.495360959
<i>yqaA</i>	1.328722244	1.069984702	0.214305106	0.497305609
<i>hofN</i>	1.328416895	1.27722486	0.298302421	0.582436515
<i>sdhB</i>	1.32838653	1.228222501	0.279451633	0.561943644
<i>mukF</i>	1.328310136	0.764303392	0.082222148	0.379645316
<i>ulaD</i>	1.328284631	1.266855527	0.294413169	0.57883171
<i>ybiH</i>	1.327774585	0.56722784	0.019241776	0.274420156
<i>ubiB</i>	1.325307929	0.927173036	0.152887194	0.435868274
<i>rnr</i>	1.319711701	0.906216071	0.145312987	0.430141819
<i>yciC</i>	1.318601221	1.046467109	0.207651208	0.490627705
<i>garP</i>	1.318384236	0.833873204	0.11386962	0.403513785
<i>ybgK</i>	1.317601763	0.704524719	0.061456122	0.36375562
<i>ycdY</i>	1.317500866	0.891786136	0.139575647	0.426425317
<i>bglA</i>	1.316111968	0.678882178	0.052544503	0.357424257
<i>bcsC</i>	1.31597851	1.396420462	0.345990868	0.627418179
<i>yfgC</i>	1.31594531	0.65336494	0.043998556	0.346511754
<i>yjjY</i>	1.315795093	1.751988352	0.452634848	0.708213692
<i>rlmJ</i>	1.315691484	0.844320365	0.119165781	0.406500994
<i>mukE</i>	1.314716635	0.859907157	0.126287915	0.409405752
<i>metH</i>	1.313568128	0.986541725	0.183028604	0.472775241
<i>ybgL</i>	1.312679102	1.024846157	0.200244678	0.485231275
<i>yhjJ</i>	1.311994677	0.771320565	0.088948247	0.385449519
<i>gmhA</i>	1.311760008	1.062388226	0.21693192	0.500536144
<i>yhgF</i>	1.31082868	0.929720576	0.158564245	0.443018227
<i>mog</i>	1.307950635	0.569502472	0.021638465	0.277602331
<i>queA</i>	1.301984403	0.582786851	0.025478718	0.295116348
<i>acuI</i>	1.301541569	0.770021108	0.090976811	0.386603764
<i>rpoS</i>	1.298418497	1.39213464	0.350984338	0.63145218
<i>uvrY</i>	1.296909681	1.017517267	0.202457062	0.486809568
<i>glcE</i>	1.293984823	1.518393257	0.394099409	0.664451982
<i>ycfD</i>	1.29347211	0.963582002	0.179479912	0.469426815
<i>ynjC</i>	1.292773961	1.331845521	0.331715826	0.617436161
<i>cptA</i>	1.289465137	1.107449071	0.24427971	0.524806542

<i>sseB</i>	1.288551861	0.970287076	0.18417449	0.472916736
<i>aroC</i>	1.285891563	0.760603262	0.090909283	0.386603764
<i>kgtP</i>	1.285604294	1.713629213	0.453120322	0.708484422
<i>dld</i>	1.284374685	0.913913625	0.15991522	0.44356647
<i>ampH</i>	1.282010785	0.789544004	0.104432229	0.396303494
<i>ilvN</i>	1.281702117	1.371842923	0.350153196	0.631178772
<i>feoB</i>	1.279636193	0.718272573	0.074823169	0.373744519
<i>yheU</i>	1.279442408	1.558458487	0.411665278	0.678686879
<i>visC</i>	1.278731916	0.637520751	0.044878797	0.346511754
<i>hisI</i>	1.27827261	0.619304766	0.039013495	0.337743189
<i>yadH</i>	1.277856761	0.987366016	0.195593667	0.483203367
<i>rapA</i>	1.275460428	0.684948664	0.062585391	0.36375562
<i>potD</i>	1.274876277	0.955528944	0.182135042	0.472440092
<i>yciB</i>	1.273775123	1.028821045	0.215681943	0.499072259
<i>entF</i>	1.27369438	1.402622457	0.363835587	0.641370025
<i>bioA</i>	1.272974847	1.351962746	0.346410076	0.627724209
<i>polA</i>	1.27219224	0.863864627	0.140838566	0.427080912
<i>nsrR</i>	1.272112829	1.198726624	0.288589871	0.573782903
<i>rnb</i>	1.270746194	0.856181348	0.137755301	0.423075749
<i>ynjE</i>	1.268216157	0.647009374	0.04998174	0.357424257
<i>lolC</i>	1.267026925	0.72078068	0.07877242	0.374816185
<i>rnlA</i>	1.266484976	1.116520925	0.256662987	0.536899767
<i>yegQ</i>	1.262430526	0.879842633	0.151333629	0.433573521
<i>mdlB</i>	1.262028546	0.924357666	0.172157751	0.462863982
<i>ygdG</i>	1.261019345	0.77955147	0.105744158	0.396303494
<i>cysW</i>	1.260886002	1.318999085	0.339101776	0.62332179
<i>bglX</i>	1.26084608	0.65828478	0.05544782	0.35965674
<i>yedD</i>	1.259379971	0.613741486	0.040172443	0.339178316
<i>qseB</i>	1.258413743	1.076348894	0.24234304	0.52345551
<i>ygfZ</i>	1.257703767	0.827865654	0.128709041	0.410209475
<i>eda</i>	1.257497959	0.83850943	0.133696654	0.417851314
<i>ygdI</i>	1.257428916	1.362422333	0.356040444	0.634177488
<i>kdpD</i>	1.256825328	1.307757662	0.336525172	0.620658879
<i>apaG</i>	1.25597099	1.0209813	0.218636963	0.502753402
<i>ynjA</i>	1.25576495	1.285610138	0.328675507	0.615301461
<i>cra</i>	1.253933539	0.79538317	0.114907153	0.403550127
<i>metK</i>	1.252858862	0.825915223	0.129283355	0.411070369
<i>ldrD</i>	1.250974482	2.321334977	0.589953758	0.799883279
<i>cysE</i>	1.249788337	0.609442157	0.040295323	0.339178316
<i>argH</i>	1.24970866	1.225980847	0.308034867	0.59493728
<i>ynfH</i>	1.249578688	0.941923617	0.184633019	0.472916736
<i>putA</i>	1.247473171	1.367033146	0.361484236	0.639100346
<i>rdsD</i>	1.247067377	0.996784676	0.21090163	0.495093626
<i>qorA</i>	1.247034135	0.57725037	0.030749431	0.31710311
<i>dnaQ</i>	1.244991944	0.954907348	0.192307588	0.48030403
<i>yidQ</i>	1.243288661	1.174409996	0.289759393	0.574417887
<i>yqgE</i>	1.242313216	1.048391333	0.236028955	0.519106803
<i>nlpD</i>	1.238670717	1.352761446	0.359844797	0.637642927
<i>yhjE</i>	1.237218295	1.242099757	0.319216139	0.606705216

<i>phnJ</i>	1.233580527	1.392904292	0.375823635	0.651942241
<i>ftsI</i>	1.232620094	0.854385478	0.149105605	0.4313125
<i>rrlG</i>	1.231612665	2.117040039	0.560727252	0.783322752
<i>yjjW</i>	1.23126471	0.643406926	0.055663094	0.359671341
<i>glnH</i>	1.23076652	1.231888993	0.317751666	0.605312164
<i>xdhA</i>	1.230463305	0.85649689	0.150825087	0.432426611
<i>aegA</i>	1.230355882	1.057171089	0.244497339	0.524995875
<i>rnt</i>	1.228695689	0.822251321	0.135095465	0.419033677
<i>purE</i>	1.226597973	1.18822276	0.301933328	0.586505852
<i>carB</i>	1.225252684	1.339206947	0.360239328	0.637903575
<i>speG</i>	1.224576094	1.130354534	0.278650545	0.561735111
<i>yqeA</i>	1.224089182	0.803609679	0.127699054	0.409405752
<i>ampD</i>	1.221667107	0.848720321	0.15003086	0.431773005
<i>acnA</i>	1.220648099	1.046534127	0.243464076	0.523887136
<i>pncA</i>	1.21997326	0.806761843	0.130486774	0.412631342
<i>tmcA</i>	1.216905901	1.066398108	0.253813087	0.533415372
<i>recD</i>	1.215604063	1.026893485	0.236504752	0.519106803
<i>thrC</i>	1.213705875	0.787958404	0.123483055	0.409405752
<i>topB</i>	1.213165747	0.714533132	0.089537221	0.385449519
<i>ybbJ</i>	1.212949261	1.036440467	0.241879104	0.52345551
<i>sbmC</i>	1.21289853	1.092195668	0.266777619	0.54899313
<i>lolD</i>	1.212407942	0.760309567	0.110796325	0.399980076
<i>acrR</i>	1.208841275	1.334924398	0.365173891	0.642823404
<i>cysJ</i>	1.208103478	1.27175635	0.342138245	0.625712378
<i>yqiA</i>	1.207415458	1.047580327	0.249084649	0.528408773
<i>glgX</i>	1.207215527	0.661774667	0.06812043	0.367589495
<i>paoB</i>	1.204874187	1.621117031	0.457338195	0.711734519
<i>nrfE</i>	1.202455155	1.345985031	0.371662043	0.648608662
<i>ytfP</i>	1.201809636	1.184891352	0.310449955	0.597119553
<i>napC</i>	1.201017987	0.936545364	0.19970528	0.485231275
<i>recF</i>	1.200598378	0.713045582	0.092227857	0.387027055
<i>rarA</i>	1.199930527	0.587451391	0.041091661	0.341363917
<i>yedE</i>	1.199580958	0.749603585	0.109534904	0.398679812
<i>frmA</i>	1.1987428	0.581284642	0.039185815	0.337743189
<i>yqcA</i>	1.195452869	1.104943474	0.279291124	0.561943644
<i>yiaD</i>	1.194266637	0.826830715	0.148629091	0.4313125
<i>pldA</i>	1.194262541	0.780092943	0.125788325	0.409405752
<i>tas</i>	1.192125476	0.613973503	0.052178731	0.357424257
<i>tsaD</i>	1.192012378	0.898577553	0.184655992	0.472916736
<i>entS</i>	1.191411126	1.342221655	0.37473383	0.651724988
<i>ybeY</i>	1.19140398	1.084221664	0.271830681	0.555507522
<i>ogt</i>	1.190462128	0.74032238	0.107828156	0.397757364
<i>dxs</i>	1.189713079	0.666935232	0.07444788	0.373744519
<i>sodC</i>	1.184451442	1.025320597	0.2480081	0.527782067
<i>slmA</i>	1.184185854	0.993261756	0.23317526	0.516947839
<i>yehT</i>	1.183193909	0.837897642	0.157920994	0.442556244
<i>glcF</i>	1.180625868	1.125679299	0.29426469	0.57883171
<i>glxK</i>	1.179569456	1.441925658	0.413327778	0.680044972
<i>cca</i>	1.17877436	0.587045779	0.044645747	0.346511754

<i>ruvB</i>	1.178271591	0.624921614	0.059366274	0.36375562
<i>yidR</i>	1.177139055	0.773496067	0.128048593	0.409405752
<i>alr</i>	1.175972905	0.757898045	0.120752183	0.407110735
<i>yeiS</i>	1.175591681	1.486819077	0.429133273	0.690456087
<i>speB</i>	1.174994283	0.565780854	0.037823188	0.334793019
<i>ycaO</i>	1.173234774	0.840342866	0.162672883	0.448318062
<i>murG</i>	1.171354904	0.58398701	0.044878731	0.346511754
<i>napA</i>	1.169102779	0.913881275	0.200801269	0.485440792
<i>ilvD</i>	1.167386541	0.829488018	0.159321279	0.443535602
<i>yphD</i>	1.16698907	1.375057378	0.396057203	0.664992388
<i>ribC</i>	1.166834948	1.082724458	0.28117475	0.563740078
<i>radA</i>	1.16570026	1.117685885	0.296967404	0.581878132
<i>alaC</i>	1.165319477	0.637102255	0.06738563	0.367589495
<i>msrB</i>	1.16182395	1.521150356	0.444998463	0.703423195
<i>ubiG</i>	1.161610594	0.596259272	0.051395394	0.357424257
<i>yjcE</i>	1.161118144	0.980100675	0.236138958	0.519106803
<i>ypdF</i>	1.160405624	1.375016864	0.398713546	0.666569049
<i>gntR</i>	1.159715889	0.668268002	0.082669027	0.381205511
<i>dnaJ</i>	1.15914324	0.676143269	0.086465272	0.382674906
<i>pepE</i>	1.158854555	0.663690817	0.08079776	0.37803293
<i>lgt</i>	1.158302885	1.046654416	0.268435869	0.551007095
<i>gstA</i>	1.157184027	0.924654463	0.210760408	0.495093626
<i>cysQ</i>	1.155911097	0.620361794	0.062422118	0.36375562
<i>hemD</i>	1.154078469	0.799849014	0.149056982	0.4313125
<i>ada</i>	1.154060194	1.166981254	0.322698472	0.60989259
<i>holA</i>	1.150587725	0.657825635	0.080277701	0.37803293
<i>ssuD</i>	1.150445031	1.431997076	0.421752218	0.686108945
<i>ratB</i>	1.149612174	1.263230727	0.362792363	0.641133496
<i>yhcN</i>	1.149313157	1.226321746	0.348653838	0.629388959
<i>ytjC</i>	1.14903751	0.54315872	0.034389669	0.327274732
<i>pdxA</i>	1.148356187	0.572442109	0.044849293	0.346511754
<i>ykgR</i>	1.148345183	4.562115027	0.80126265	0.918382466
<i>ybhG</i>	1.148334456	0.650686549	0.077596653	0.374816185
<i>dapB</i>	1.148054034	0.600010529	0.055698168	0.359671341
<i>purH</i>	1.147689286	0.988134971	0.24545075	0.525469563
<i>glmY</i>	1.146174295	1.475931955	0.437408581	0.697582372
<i>eco</i>	1.145879738	1.149719781	0.318929563	0.606705216
<i>yigZ</i>	1.144903651	0.709410134	0.106553206	0.396303494
<i>metR</i>	1.144858307	1.188505496	0.335409251	0.620125741
<i>yrdA</i>	1.14297792	0.944429647	0.226190313	0.510641844
<i>loiP</i>	1.141848571	1.005801586	0.256265454	0.536512635
<i>yccJ</i>	1.14171841	1.226745122	0.352014369	0.63210664
<i>rnc</i>	1.141464423	0.838839544	0.173587615	0.463147989
<i>truD</i>	1.140069558	0.657526538	0.082940067	0.381205511
<i>glpG</i>	1.139606421	0.627468269	0.069340052	0.367589495
<i>kdsC</i>	1.139301137	0.631505232	0.071215	0.369488125
<i>ydiK</i>	1.138851017	0.639579541	0.07497381	0.373744519
<i>yjdM</i>	1.135808739	1.327870345	0.39235123	0.66274662
<i>yheS</i>	1.134307965	0.663741321	0.087458193	0.383361441

<i>cytR</i>	1.13278373	0.956541612	0.236314394	0.519106803
<i>ybiW</i>	1.132554544	0.981498722	0.248539846	0.528082041
<i>yciK</i>	1.132243136	0.691101092	0.101355442	0.395053485
<i>osmE</i>	1.130099086	1.348020375	0.401839908	0.668469015
<i>dsbD</i>	1.124757443	0.739120726	0.128071572	0.409405752
<i>yeiE</i>	1.123549664	0.630155778	0.074590976	0.373744519
<i>yiiD</i>	1.122147089	0.696345862	0.10707525	0.396303494
<i>ivbL</i>	1.121437568	2.272473592	0.62166809	0.820166358
<i>moeB</i>	1.119317069	0.631960441	0.076530412	0.373744519
<i>yciM</i>	1.118806105	0.938672704	0.233299577	0.516947839
<i>ybhC</i>	1.118108478	0.761589067	0.142070083	0.427567449
<i>yhaM</i>	1.117940397	0.924146933	0.226394091	0.510741038
<i>yfcH</i>	1.115364434	0.719778148	0.121238816	0.407401922
<i>rna</i>	1.113837075	0.907099848	0.219480714	0.503631329
<i>metE</i>	1.113322112	1.326210971	0.401202323	0.668145369
<i>yfgJ</i>	1.110711627	1.41453784	0.432329471	0.694124228
<i>lolB</i>	1.109820855	0.935176521	0.235326196	0.519049184
<i>folC</i>	1.10843116	0.74910344	0.138959456	0.426128317
<i>pdxB</i>	1.108397988	0.727679129	0.12770966	0.409405752
<i>yigL</i>	1.107813143	0.732358089	0.130364533	0.412631342
<i>yadI</i>	1.107415494	1.10608145	0.316727178	0.603956717
<i>srlR</i>	1.10514825	0.918897697	0.229096651	0.513693486
<i>livF</i>	1.10479742	1.272522738	0.385287788	0.657847271
<i>paaJ</i>	1.103851386	1.325201562	0.404862397	0.672067326
<i>yjbB</i>	1.103189068	1.006693266	0.273142575	0.556688785
<i>glnP</i>	1.102095251	1.004019142	0.272342715	0.555930194
<i>dcm</i>	1.100746527	0.837125129	0.188539219	0.476558741
<i>recB</i>	1.100359637	0.977854772	0.26047074	0.54191833
<i>rlmL</i>	1.100059881	0.674223489	0.102764767	0.39523855
<i>tatE</i>	1.099234749	1.485608103	0.459347067	0.712996526
<i>yceH</i>	1.098882655	0.813710628	0.17686887	0.466641624
<i>yqjE</i>	1.09877599	0.932369191	0.23860635	0.521180033
<i>gcvR</i>	1.096198275	0.800235736	0.170735544	0.461133841
<i>emrA</i>	1.094018159	0.777827151	0.159574075	0.443535602
<i>manA</i>	1.092924498	0.976937914	0.263257638	0.544753837
<i>uhpA</i>	1.092075249	0.740343615	0.1401877	0.426540165
<i>yheT</i>	1.091766274	0.609041023	0.073037081	0.37206423
<i>mmuM</i>	1.090465418	1.225790749	0.373679844	0.650450016
<i>fhuC</i>	1.090118827	0.98308115	0.26748204	0.549605773
<i>nadK</i>	1.089904171	0.810709035	0.178824279	0.469045144
<i>yjhG</i>	1.089210011	1.074947808	0.310932259	0.597119553
<i>yqeC</i>	1.088518112	0.87321222	0.212556067	0.496086525
<i>parC</i>	1.087984752	0.645672102	0.091980426	0.387027055
<i>nrfC</i>	1.086600486	1.054982569	0.303024049	0.58834267
<i>nagA</i>	1.085859497	0.829756773	0.190653632	0.48030403
<i>plsC</i>	1.084238152	0.911750637	0.234367751	0.517780307
<i>ftsE</i>	1.083255128	0.627712649	0.084398126	0.382635615
<i>pyrF</i>	1.083068159	0.747784963	0.147514029	0.4313125
<i>gltS</i>	1.082684046	0.597991511	0.070212995	0.367589495

<i>rlmG</i>	1.082264125	0.715648006	0.13046124	0.412631342
<i>mscM</i>	1.081541112	1.034362678	0.295740616	0.580315807
<i>fdoI</i>	1.080897355	1.078860848	0.31639786	0.60361267
<i>atpI</i>	1.080470336	1.171639793	0.356431332	0.634594914
<i>kdpB</i>	1.079691102	1.3275438	0.416046194	0.683131336
<i>yihX</i>	1.078885823	0.80759832	0.181575797	0.471864284
<i>yqiC</i>	1.078541942	1.397114723	0.44012741	0.700815601
<i>rof</i>	1.078148497	1.406015134	0.44319363	0.702273064
<i>idi</i>	1.075716088	0.667030934	0.106811232	0.396303494
<i>livH</i>	1.070341278	1.25617939	0.39418032	0.664451982
<i>acs</i>	1.070275971	1.324578504	0.419083394	0.685150556
<i>cyaR</i>	1.069840312	1.826781413	0.558115974	0.782636513
<i>yqjK</i>	1.069803317	1.058526234	0.312182267	0.598669304
<i>exoX</i>	1.064834075	0.890086004	0.231568908	0.51581338
<i>lspA</i>	1.063859588	0.981754168	0.278528288	0.561735111
<i>ybiB</i>	1.062959821	0.565537005	0.060168289	0.36375562
<i>nrdR</i>	1.062172611	1.147417938	0.354598363	0.633836756
<i>rfbC</i>	1.062152171	0.8562065	0.214778423	0.498118836
<i>ptsP</i>	1.062040225	0.6936319	0.125737404	0.409405752
<i>pncC</i>	1.061795591	0.607380667	0.08043718	0.37803293
<i>sibE</i>	1.060636197	1.626385712	0.514308872	0.750179195
<i>ecnA</i>	1.060478819	2.336944585	0.649980987	0.835568019
<i>mdtB</i>	1.060218623	1.25687662	0.398929654	0.666636775
<i>rsmG</i>	1.05659894	0.754541857	0.161417956	0.446072525
<i>yghB</i>	1.05410989	0.784558467	0.1790872	0.46930802
<i>malZ</i>	1.05371364	0.81569156	0.196425021	0.484077226
<i>uvrC</i>	1.05361698	0.796269843	0.185771914	0.473701881
<i>yhbW</i>	1.052796993	0.72812541	0.148205074	0.4313125
<i>corA</i>	1.051929217	0.83381914	0.2071001	0.490627705
<i>glcC</i>	1.051045166	1.082630143	0.331635083	0.617436161
<i>potB</i>	1.050831322	0.845856986	0.214115785	0.497251883
<i>pldB</i>	1.049314615	0.697372453	0.132409232	0.416330989
<i>yggT</i>	1.04897621	0.81094343	0.195829283	0.483373856
<i>ygcO</i>	1.048942023	1.312685399	0.424243419	0.687894336
<i>ypeB</i>	1.046090298	1.343587639	0.436227237	0.696794806
<i>gpt</i>	1.045874166	1.310739945	0.424913131	0.688394721
<i>artI</i>	1.043768709	0.80134372	0.192737625	0.48030403
<i>dtd</i>	1.042639987	0.783226884	0.1831197	0.472775241
<i>moaA</i>	1.041614591	0.684614921	0.128144305	0.409405752
<i>ftsB</i>	1.041213782	1.161331979	0.369949161	0.648130467
<i>yeiP</i>	1.040314468	0.773906012	0.178871187	0.469045144
<i>mltA</i>	1.039608787	0.911525397	0.254071625	0.533682056
<i>rssA</i>	1.039284204	0.876442899	0.235702097	0.519106803
<i>ynfG</i>	1.038555469	0.66173195	0.11654303	0.404162056
<i>ispH</i>	1.038182131	0.551635573	0.059835035	0.36375562
<i>ybhQ</i>	1.037760912	0.785083381	0.186218765	0.473701881
<i>basS</i>	1.036995177	0.819193951	0.205558698	0.489461478
<i>rep</i>	1.036934261	0.637071797	0.103597672	0.395998689
<i>mtlD</i>	1.0369212	0.649604164	0.110436234	0.399980076

<i>yggX</i>	1.036291649	1.286163788	0.420402628	0.685587156
<i>ygcN</i>	1.035690199	0.707867677	0.143436539	0.427567449
<i>purB</i>	1.035477	0.815346896	0.204090553	0.487965088
<i>glcB</i>	1.035152044	0.831758659	0.213303044	0.49681679
<i>ycfH</i>	1.033953494	0.893082806	0.246972072	0.526683209
<i>prlF</i>	1.033127156	1.344198508	0.442141327	0.701542443
<i>ybgC</i>	1.032485457	1.230213029	0.401315731	0.668145369
<i>cdaR</i>	1.031362308	0.595438413	0.083254733	0.381205511
<i>yajL</i>	1.028819373	0.908488698	0.257444671	0.537979741
<i>chbB</i>	1.028616122	1.301125434	0.429201515	0.690456087
<i>murB</i>	1.026712348	0.812822488	0.206537213	0.489735437
<i>sucA</i>	1.025664748	1.444811107	0.477769008	0.726905286
<i>yehM</i>	1.024603679	1.390867079	0.461325842	0.713839114
<i>gudD</i>	1.024498661	0.60563895	0.090722325	0.386603764
<i>pbpG</i>	1.024058505	0.882259757	0.245754882	0.525469563
<i>murP</i>	1.020688141	1.202081919	0.395825473	0.664992388
<i>lldR</i>	1.018823336	0.778879151	0.190851795	0.48030403
<i>insG</i>	1.018806748	1.113997418	0.360427725	0.637903575
<i>tamB</i>	1.018548779	0.920792038	0.268654707	0.551160865
<i>dnaT</i>	1.018381778	0.574736675	0.076409465	0.373744519
<i>yjbQ</i>	1.017988864	1.094909484	0.352502067	0.632320079
<i>yhhS</i>	1.017283129	1.081699344	0.346987269	0.627984994
<i>leuB</i>	1.016859699	1.03832073	0.327416448	0.61460689
<i>fruB</i>	1.014953334	0.809135446	0.209708402	0.493398174
<i>bcsB</i>	1.013333533	1.294308399	0.433676995	0.694746477
<i>yhiN</i>	1.010655764	0.690239491	0.1431365	0.427567449
<i>ade</i>	1.009853955	1.128872561	0.37101774	0.648608662
<i>ndh</i>	1.00952363	0.629158812	0.108590472	0.398282207
<i>cyaA</i>	1.009280447	0.742823013	0.174238762	0.464102458
<i>kbaZ</i>	1.008529601	1.307954283	0.440663043	0.70082364
<i>oppA</i>	1.008131183	1.07887808	0.350084452	0.631178772
<i>gfcA</i>	1.008011552	0.811466663	0.214159296	0.497251883
<i>pncB</i>	1.006772876	0.83875934	0.230018202	0.514905463
<i>yfeD</i>	1.005843414	1.191861369	0.398710469	0.666569049
<i>orn</i>	1.004571215	0.817864346	0.219339676	0.503631329
<i>mnme</i>	1.002688927	0.623208571	0.107635172	0.397407091
<i>opgD</i>	1.00138465	0.842614987	0.234666043	0.518156937
<i>ybjX</i>	1.000552369	1.039888086	0.335962647	0.620497754
<i>hisH</i>	1.000194071	0.574424384	0.081646595	0.379146961
<i>rfbD</i>	0.998891631	0.853010026	0.241590818	0.52345551
<i>ptsA</i>	0.997847821	1.320780397	0.449949835	0.706193044
<i>ruvA</i>	0.996677691	0.739625903	0.177805422	0.467616956
<i>mrdA</i>	0.994550084	0.676288103	0.141399004	0.427561927
<i>amtB</i>	0.993914858	1.296900612	0.443451988	0.702273064
<i>pcm</i>	0.993907898	0.667437696	0.136450614	0.421705361
<i>yeaP</i>	0.993794225	1.021161922	0.330454182	0.616219529
<i>scpA</i>	0.992709239	1.338847189	0.458411135	0.7125645
<i>prlC</i>	0.992380511	0.654380722	0.129388281	0.411081575
<i>sbcD</i>	0.991914436	0.661884274	0.133971682	0.417851314

<i>yacC</i>	0.991223688	1.273930865	0.436520205	0.696988149
<i>exbD</i>	0.991064971	0.931574685	0.287392162	0.571681954
<i>glrR</i>	0.989243318	0.936849512	0.291002239	0.5746692
<i>sapC</i>	0.988768442	1.099347246	0.368432118	0.647431212
<i>ybiC</i>	0.988471463	0.927625086	0.286607341	0.570400668
<i>nrfD</i>	0.987760547	1.14773359	0.389448296	0.660043224
<i>feoA</i>	0.987407592	1.564250612	0.527887776	0.7567387
<i>ydeH</i>	0.986887349	1.025617812	0.335930595	0.620497754
<i>selU</i>	0.986661374	0.763345436	0.196167091	0.483735637
<i>mtfA</i>	0.986072033	1.112557467	0.375449909	0.651793399
<i>yciX</i>	0.985445698	1.514153523	0.515160854	0.750705284
<i>amn</i>	0.985081836	0.861143639	0.252655657	0.532458247
<i>hisA</i>	0.984050231	0.847044754	0.245338954	0.525469563
<i>argB</i>	0.983324212	1.196672583	0.41123893	0.678686879
<i>waaF</i>	0.982733466	0.683143519	0.150279159	0.431773005
<i>ypdK</i>	0.979797234	3.971407592	0.805130471	0.91948485
<i>ftsX</i>	0.97837689	0.609840889	0.108644635	0.398282207
<i>tyrR</i>	0.977882355	0.630480322	0.120898881	0.407110735
<i>rluA</i>	0.977223233	0.59658944	0.101418291	0.395053485
<i>cmoB</i>	0.976411496	0.758697617	0.198109144	0.485231275
<i>yfgG</i>	0.976245326	1.814342577	0.590527956	0.799883279
<i>xerD</i>	0.975534017	0.674760059	0.148247475	0.4313125
<i>ispD</i>	0.973577973	0.555136187	0.079470919	0.377254222
<i>ssuB</i>	0.969961585	1.195948732	0.417343024	0.683875756
<i>sucB</i>	0.968845138	1.238370771	0.434006174	0.694889822
<i>amiA</i>	0.968707738	1.032579036	0.348170457	0.629283563
<i>ycqM</i>	0.968019099	0.781732404	0.215604909	0.499072259
<i>yhaL</i>	0.967221351	1.791531144	0.589276128	0.799302528
<i>flgH</i>	0.967216906	0.702126005	0.168340847	0.45710234
<i>dmsD</i>	0.966340346	0.724364877	0.182186845	0.472440092
<i>mdtN</i>	0.965034602	1.375971223	0.483085894	0.730927125
<i>yihU</i>	0.964805327	1.194506152	0.419261998	0.685150556
<i>insB1</i>	0.964201313	1.10385464	0.382398363	0.655677468
<i>fucO</i>	0.961997368	0.605907535	0.112354949	0.400636634
<i>ybgI</i>	0.960784729	0.604144247	0.111761928	0.400636634
<i>dam</i>	0.960540402	1.568851747	0.540367761	0.768962727
<i>lpxK</i>	0.960108945	0.638231519	0.132497174	0.416330989
<i>xerC</i>	0.95939251	0.634014596	0.130228214	0.412631342
<i>ispU</i>	0.958239507	0.964464117	0.320443924	0.607614438
<i>yaaA</i>	0.958104766	0.629705703	0.128131409	0.409405752
<i>rsmC</i>	0.957699149	0.680720992	0.159460187	0.443535602
<i>uhpT</i>	0.957003549	1.012197531	0.34444184	0.626843182
<i>flkB</i>	0.956545825	0.566640722	0.091392162	0.387027055
<i>yraQ</i>	0.956533276	1.007548176	0.342433844	0.625712378
<i>purK</i>	0.956113851	1.064400972	0.369044432	0.64755889
<i>cydC</i>	0.955479113	0.652859878	0.14332279	0.427567449
<i>wrbA</i>	0.951468031	0.590158709	0.106913206	0.396303494
<i>fieF</i>	0.950860055	0.814927457	0.24328981	0.523887136
<i>kdpE</i>	0.950098521	1.250697041	0.44746071	0.705015824

<i>wecE</i>	0.9497181	0.777541732	0.221920674	0.505721241
<i>cstA</i>	0.948940859	1.192500938	0.426173343	0.688805982
<i>proW</i>	0.9488558	1.091559622	0.384701588	0.657495885
<i>ydbC</i>	0.948398489	0.656896127	0.148807295	0.4313125
<i>ynjB</i>	0.946385245	1.041377071	0.363464953	0.641370025
<i>frlD</i>	0.946381629	1.115315161	0.396141247	0.664992388
<i>rimL</i>	0.943827225	1.072464589	0.378829818	0.65374791
<i>ilvI</i>	0.943130758	1.055292418	0.371474349	0.648608662
<i>mak</i>	0.942965215	0.872092494	0.279578168	0.561943644
<i>nagD</i>	0.942071429	0.920170581	0.305929346	0.591434224
<i>fdhD</i>	0.941243128	0.802888148	0.241067958	0.52345551
<i>rnd</i>	0.941230063	0.602594589	0.118296858	0.405691946
<i>nrdI</i>	0.94063447	1.271063579	0.459277356	0.712996526
<i>ynhF</i>	0.93927398	3.846836048	0.807100767	0.91948485
<i>lpxB</i>	0.93893017	0.696330437	0.177530591	0.467343516
<i>xdhB</i>	0.936440739	0.811243496	0.248365894	0.528082041
<i>yciV</i>	0.936153669	0.574620017	0.103277045	0.395732645
<i>phoU</i>	0.935687048	0.644072597	0.146288616	0.430851022
<i>yegD</i>	0.935675255	0.772691723	0.225922399	0.510610481
<i>citE</i>	0.935324354	1.281678152	0.465533604	0.717094577
<i>dapE</i>	0.931152748	0.576703578	0.106394659	0.396303494
<i>wbbI</i>	0.930169566	1.059039375	0.379773107	0.654070987
<i>wecB</i>	0.928706008	0.561123879	0.097907875	0.391052732
<i>pntA</i>	0.926441504	0.797718924	0.245494176	0.525469563
<i>nfrA</i>	0.926437219	1.176263745	0.430924798	0.692143079
<i>gtrA</i>	0.925044099	1.079144278	0.391333531	0.661769773
<i>yjgB</i>	0.924151052	1.040987912	0.374667991	0.651724988
<i>dapF</i>	0.924124565	0.642135927	0.150110391	0.431773005
<i>ppiC</i>	0.92286637	1.187322944	0.437001545	0.697481993
<i>ygiQ</i>	0.922317106	0.641484244	0.150494765	0.432086244
<i>ymdB</i>	0.922221672	0.552765242	0.095240604	0.389611916
<i>norR</i>	0.921448536	1.306693998	0.480701053	0.728900347
<i>rscF</i>	0.921079894	0.706683044	0.192443445	0.48030403
<i>xseA</i>	0.920317561	0.715902672	0.19860558	0.485231275
<i>zapD</i>	0.915275086	0.706239235	0.194980833	0.48257161
<i>ypfG</i>	0.914160938	1.134214708	0.420251042	0.685587156
<i>ligA</i>	0.913860871	0.762001662	0.230415254	0.514941258
<i>yqjH</i>	0.91366978	1.009303812	0.365334268	0.642823404
<i>waam</i>	0.912972225	0.705230633	0.195467724	0.483186679
<i>ushA</i>	0.912527427	0.73937048	0.217130211	0.500708689
<i>kefC</i>	0.912010568	1.317027619	0.48863819	0.734075985
<i>tmk</i>	0.911657367	0.966179166	0.345389592	0.626990813
<i>qorB</i>	0.911656647	1.180261058	0.439866013	0.700674584
<i>yjjG</i>	0.909356148	0.562652848	0.106052379	0.396303494
<i>ccmC</i>	0.907585189	0.760469629	0.232691788	0.516947839
<i>ymjA</i>	0.907033001	1.396420636	0.515988503	0.750820131
<i>yfiH</i>	0.905175263	0.643934002	0.159814502	0.44356647
<i>rimJ</i>	0.904208062	1.044927624	0.386857247	0.658678346
<i>ilvY</i>	0.903282032	1.056404399	0.39252166	0.662758354

<i>aroE</i>	0.903116144	0.706325033	0.201033482	0.485691142
<i>hyaF</i>	0.902554976	1.140147925	0.428586847	0.690456087
<i>pdxH</i>	0.901628881	1.120280243	0.420921016	0.685857636
<i>glcD</i>	0.901014849	1.405831777	0.521579677	0.753939132
<i>rluC</i>	0.900531025	0.782379683	0.24972592	0.529475156
<i>ydfH</i>	0.897584335	0.853905542	0.293188883	0.577598508
<i>sixA</i>	0.897273586	0.965865017	0.352897143	0.632469061
<i>kdgK</i>	0.896763137	0.697565923	0.198596519	0.485231275
<i>ldrA</i>	0.896102494	1.944391289	0.644895241	0.834339918
<i>ybjL</i>	0.895217948	0.678395334	0.186964927	0.474909657
<i>hofM</i>	0.893903864	1.208598297	0.459530406	0.712996526
<i>yicH</i>	0.893836955	0.798799182	0.263150462	0.544753837
<i>ybfE</i>	0.891886286	1.219142563	0.464431986	0.716713845
<i>kefF</i>	0.891460804	1.261231061	0.479679593	0.728322498
<i>trkA</i>	0.890917575	0.685384201	0.193641921	0.481314745
<i>trmH</i>	0.889571365	0.544243057	0.102151559	0.395053485
<i>ftsY</i>	0.888467796	0.758075712	0.241195435	0.52345551
<i>eutB</i>	0.888466861	0.652734736	0.173467755	0.463147989
<i>yidA</i>	0.887813999	0.654779884	0.175131982	0.465410268
<i>xdhC</i>	0.887776333	1.044164113	0.395198994	0.664992388
<i>leuC</i>	0.887675607	1.25543358	0.479524866	0.728322498
<i>fadH</i>	0.887104781	1.285300975	0.490073292	0.735563541
<i>tolA</i>	0.886905807	0.701644499	0.206216134	0.489461478
<i>yacH</i>	0.885780674	1.165495306	0.447252409	0.704961613
<i>dxr</i>	0.885369051	0.691701468	0.200549624	0.485440792
<i>yihQ</i>	0.884865215	1.341822944	0.509606808	0.746907447
<i>rbsR</i>	0.883959121	0.933357971	0.343601043	0.626612068
<i>gntX</i>	0.883772871	0.544823361	0.104776085	0.396303494
<i>yecF</i>	0.883418324	1.528881643	0.563385681	0.784867886
<i>yciZ</i>	0.883377372	1.503252234	0.556771174	0.781639879
<i>gloB</i>	0.881984854	0.815708118	0.279585676	0.561943644
<i>cysB</i>	0.881922104	0.73649841	0.231130104	0.51581338
<i>pgpA</i>	0.881844739	0.988263124	0.372222637	0.648973612
<i>yghU</i>	0.879531189	0.820284158	0.283617885	0.567235771
<i>yqeB</i>	0.878907579	0.765897107	0.251153111	0.531406426
<i>wecD</i>	0.87890649	0.902414631	0.330081498	0.61580782
<i>dnaB</i>	0.877564262	0.683682711	0.199287513	0.485231275
<i>frvB</i>	0.876752245	1.35865491	0.51872696	0.751849157
<i>fucI</i>	0.874432068	0.620937738	0.159058725	0.443535602
<i>panC</i>	0.87437244	0.831923499	0.293247083	0.577598508
<i>apaH</i>	0.874079694	0.618973587	0.157907633	0.442556244
<i>mutY</i>	0.870752677	0.792544906	0.271907978	0.555507522
<i>proC</i>	0.86933867	0.650167208	0.181189949	0.471466017
<i>gltI</i>	0.868304597	1.167470218	0.457028448	0.711734519
<i>stfR</i>	0.867769484	1.485801149	0.559192413	0.783322752
<i>pdxY</i>	0.86739346	0.648053706	0.180746785	0.470614942
<i>mlc</i>	0.866142697	0.665317155	0.192967894	0.48030403
<i>gspH</i>	0.864386656	1.362303432	0.525752111	0.755815269
<i>dinG</i>	0.8642659	0.680444893	0.204031822	0.487965088

<i>trkH</i>	0.863213736	0.623378478	0.166133641	0.453730509
<i>dsdA</i>	0.861694702	0.735886197	0.24161409	0.52345551
<i>panE</i>	0.860705956	0.642334716	0.180256765	0.470245126
<i>yggF</i>	0.858070942	1.286432725	0.504762046	0.744381716
<i>ycjQ</i>	0.857597163	1.338338117	0.521657441	0.753939132
<i>dgoR</i>	0.85600616	0.918725217	0.351474777	0.631595188
<i>cueO</i>	0.855174301	1.054069906	0.417189387	0.683875756
<i>ulaE</i>	0.854554703	1.27646641	0.503196344	0.743875155
<i>yfjR</i>	0.85402775	1.193965212	0.474431743	0.725120962
<i>relE</i>	0.850776281	1.331424834	0.522824978	0.754366262
<i>zraR</i>	0.850089117	0.991648374	0.391307544	0.661769773
<i>asmA</i>	0.849248172	0.766347934	0.267785935	0.54995146
<i>ygdR</i>	0.848971314	1.380051861	0.538440156	0.767523344
<i>wecC</i>	0.846313061	0.585994028	0.148672894	0.4313125
<i>thiL</i>	0.846036614	0.560947241	0.131496056	0.414529559
<i>aroP</i>	0.844564542	0.620193347	0.173268524	0.463147989
<i>cfa</i>	0.844098192	1.02036034	0.408092544	0.676096107
<i>nagC</i>	0.843334699	0.573437207	0.14138142	0.427561927
<i>yihV</i>	0.842323028	1.305883348	0.518913158	0.751849157
<i>gss</i>	0.840246485	0.649006129	0.195435306	0.483186679
<i>bolA</i>	0.840092837	1.279749765	0.511534074	0.748649507
<i>yddM</i>	0.840003423	1.45622752	0.564050728	0.785254688
<i>entC</i>	0.837665453	1.155674945	0.468557612	0.720065413
<i>yphG</i>	0.836801905	1.424195201	0.556826831	0.781639879
<i>ybhP</i>	0.836764472	1.352430311	0.536106294	0.766082099
<i>ybaL</i>	0.836269744	0.63638321	0.188813311	0.476915367
<i>exbB</i>	0.832759243	0.731778827	0.255123371	0.535336515
<i>nepI</i>	0.832295021	1.100504724	0.449478445	0.706193044
<i>ung</i>	0.82898208	0.702356038	0.237885872	0.520728578
<i>anmK</i>	0.828484029	0.62681459	0.186255747	0.473701881
<i>rsxC</i>	0.82805471	1.058937213	0.434233549	0.694979395
<i>paaG</i>	0.828012034	1.209729696	0.493684506	0.739555949
<i>paoC</i>	0.827889732	1.719312814	0.630144396	0.826632681
<i>ybdH</i>	0.826465521	0.967855118	0.393152363	0.663546912
<i>hrpA</i>	0.826302429	0.853985871	0.333252543	0.618592404
<i>mazE</i>	0.825990996	1.286307122	0.520781408	0.75321007
<i>epmB</i>	0.825387024	0.69991251	0.238289998	0.520998895
<i>uidA</i>	0.82537942	0.661877456	0.212387397	0.495978403
<i>ysaA</i>	0.825122393	0.947691793	0.383936911	0.656812179
<i>amiD</i>	0.823919352	0.841635138	0.327604313	0.61460689
<i>hemF</i>	0.823696474	0.735061556	0.262465989	0.544264512
<i>recO</i>	0.820267129	0.705654103	0.245064508	0.525469563
<i>eutC</i>	0.820122881	1.160294377	0.479676411	0.728322498
<i>nanT</i>	0.817723764	0.80692765	0.31087903	0.597119553
<i>asnA</i>	0.817093275	0.705048252	0.246489515	0.526484981
<i>pdhR</i>	0.816695848	0.575473277	0.155848732	0.440489098
<i>ytjB</i>	0.815054285	0.649121718	0.2092515	0.493208545
<i>maa</i>	0.813525209	0.948279122	0.390949693	0.661757853
<i>narL</i>	0.812560526	0.829323521	0.327191199	0.61460689

<i>hisC</i>	0.812509596	0.697315089	0.243939175	0.52463099
<i>modE</i>	0.811712984	0.694437065	0.242452338	0.52345551
<i>mgrB</i>	0.811577249	1.768050409	0.646217062	0.835020719
<i>ybhA</i>	0.811422011	0.552451309	0.141896116	0.427561927
<i>ylbF</i>	0.810355739	1.32044229	0.539413435	0.768640445
<i>ybgJ</i>	0.810132058	0.843475467	0.336819214	0.620665952
<i>amiC</i>	0.80874689	0.59089539	0.171099226	0.461808429
<i>galT</i>	0.808730494	0.639411351	0.20594134	0.489461478
<i>yafD</i>	0.80776294	0.961543231	0.400869537	0.667951132
<i>queF</i>	0.805546842	0.870550664	0.354794161	0.63390223
<i>eutJ</i>	0.80505154	1.343160808	0.548925559	0.775111187
<i>rdgB</i>	0.80059704	0.668852361	0.231317765	0.51581338
<i>ndk</i>	0.800360399	1.011708291	0.42888681	0.690456087
<i>ppk</i>	0.800196716	0.922830032	0.385880812	0.657847271
<i>syd</i>	0.799972556	0.718149185	0.26530645	0.547633578
<i>ycjX</i>	0.797655081	1.002846055	0.426385888	0.688805982
<i>ygaH</i>	0.797017199	0.766561944	0.298465511	0.582436515
<i>uvrB</i>	0.796850824	0.627201198	0.203911292	0.487965088
<i>matP</i>	0.796525451	0.912059179	0.38248514	0.655677468
<i>rng</i>	0.796302018	0.583624901	0.172439442	0.462863982
<i>pptA</i>	0.79435426	1.450691195	0.583987533	0.796190372
<i>tsqA</i>	0.793968748	0.751199261	0.29054128	0.5746692
<i>holD</i>	0.793114489	0.595921788	0.183220713	0.472775241
<i>fucR</i>	0.792659645	0.830461483	0.33984026	0.62357939
<i>ygjK</i>	0.792499941	1.365030793	0.561528314	0.783626776
<i>queC</i>	0.791805294	0.575762546	0.169060491	0.458645071
<i>lldP</i>	0.791391775	0.824517285	0.33714362	0.620759427
<i>yafV</i>	0.790651528	0.615662215	0.199061695	0.485231275
<i>nrdG</i>	0.790201363	0.987522145	0.423603059	0.687464692
<i>wcaI</i>	0.7901494	1.452086797	0.586339976	0.797658477
<i>rlmA</i>	0.788162061	0.845456151	0.351216163	0.63145218
<i>sbcC</i>	0.786816173	0.858747985	0.359542911	0.637614594
<i>mscK</i>	0.785885834	0.688330734	0.253567484	0.533415372
<i>tauA</i>	0.785249946	1.349458947	0.560634148	0.783322752
<i>yeiR</i>	0.785174538	0.666737043	0.238941157	0.521630291
<i>phr</i>	0.784503296	1.025301927	0.444185989	0.702586812
<i>ccmH</i>	0.784281189	0.591721898	0.185031242	0.473439107
<i>ycjG</i>	0.783641889	0.61258063	0.200810116	0.485440792
<i>yaiZ</i>	0.782594325	1.534529652	0.610058674	0.811904322
<i>ynfF</i>	0.782506308	0.82322131	0.341836999	0.625712378
<i>znuA</i>	0.781600475	0.947833192	0.409588401	0.677660966
<i>dcyD</i>	0.780106392	0.61342782	0.203473801	0.487965088
<i>nirB</i>	0.779522703	0.880909634	0.376207036	0.652087587
<i>sugE</i>	0.779352389	0.777862461	0.316384448	0.60361267
<i>ftsW</i>	0.777628357	0.788084516	0.323773947	0.611209405
<i>yjbJ</i>	0.776205851	1.488456889	0.60202993	0.805646453
<i>ybhF</i>	0.77558376	0.732316789	0.289562293	0.574307993
<i>sbcB</i>	0.77471002	0.757475736	0.306424996	0.592110073
<i>mleE</i>	0.774648538	0.742692276	0.296935513	0.581878132

<i>qmcA</i>	0.774521011	0.755579825	0.305330909	0.590840815
<i>hyaB</i>	0.767675403	1.158760546	0.507652747	0.746201681
<i>hisG</i>	0.766075213	0.70188992	0.275076513	0.558871656
<i>yebK</i>	0.764337367	0.652274315	0.241275931	0.52345551
<i>yggR</i>	0.763875883	1.120025645	0.495228567	0.739780307
<i>fadI</i>	0.760490391	0.672822659	0.258350498	0.538761791
<i>uup</i>	0.760090613	0.679709569	0.263456851	0.544753837
<i>panM</i>	0.759818576	0.749608166	0.310763635	0.597119553
<i>ftsP</i>	0.758969062	0.869877679	0.382935175	0.655859399
<i>ytfT</i>	0.758578251	1.324518556	0.566834302	0.786799618
<i>ygiW</i>	0.758549187	0.819076584	0.354392515	0.633836756
<i>ydbK</i>	0.758267326	0.782829975	0.332733191	0.618477926
<i>dacB</i>	0.757757452	0.633023277	0.231288952	0.51581338
<i>lhr</i>	0.757510894	1.261751563	0.548263316	0.774715749
<i>recC</i>	0.756716359	0.792218302	0.339483307	0.623508927
<i>trmA</i>	0.756046774	0.782623771	0.334023587	0.619173123
<i>yecD</i>	0.755999181	0.595497026	0.20425339	0.487965088
<i>hda</i>	0.755713379	0.837647547	0.366958394	0.645121132
<i>trpD</i>	0.753365521	1.218926385	0.536538017	0.766428866
<i>wecA</i>	0.753250005	0.869989374	0.386591525	0.658505059
<i>mfd</i>	0.752534053	0.904015347	0.40516343	0.672067326
<i>hyfB</i>	0.750517817	1.427403269	0.599032443	0.803067964
<i>ypfJ</i>	0.747199419	0.638416305	0.241841942	0.52345551
<i>surE</i>	0.746020144	0.715925715	0.297395134	0.582153488
<i>cyoA</i>	0.745601611	1.217883876	0.540398325	0.768962727
<i>yneM</i>	0.745172686	4.160706049	0.857861025	0.944479745
<i>nfo</i>	0.744590252	0.779038731	0.339182997	0.62332179
<i>rffH</i>	0.744581295	0.661771579	0.260532517	0.54191833
<i>yihT</i>	0.743801147	1.214062718	0.540104727	0.768962727
<i>lysP</i>	0.740005922	0.601961386	0.218950139	0.503188131
<i>ygeV</i>	0.739928463	0.93007751	0.426290325	0.688805982
<i>yjhU</i>	0.739235472	0.757392623	0.329051201	0.615301461
<i>ltaE</i>	0.738093433	0.784186399	0.346591142	0.627724209
<i>hemH</i>	0.736006155	0.794365325	0.35416875	0.633836756
<i>yhhN</i>	0.735114208	0.600869506	0.221172085	0.505144582
<i>rhaB</i>	0.734782524	1.253249249	0.557672597	0.782285366
<i>btuC</i>	0.733924267	0.984243527	0.455864701	0.710524989
<i>ynaJ</i>	0.733040269	1.512957399	0.628025245	0.825261896
<i>trmI</i>	0.732146674	0.551855998	0.184608348	0.472916736
<i>yggS</i>	0.730604315	0.773578499	0.344940995	0.626843182
<i>yhbV</i>	0.728512275	0.801807199	0.363567725	0.641370025
<i>kdgR</i>	0.727711446	0.885854575	0.41137315	0.678686879
<i>ilvC</i>	0.726511614	0.765484461	0.34257619	0.625712378
<i>yrfF</i>	0.724832302	0.689347602	0.293040131	0.577598508
<i>ydhC</i>	0.723894488	0.597846976	0.225958363	0.510610481
<i>ccmF</i>	0.722353005	1.077242523	0.502502493	0.743875155
<i>flgA</i>	0.722206301	0.617105494	0.241875216	0.52345551
<i>argF</i>	0.721937712	1.344563668	0.591315381	0.79991618
<i>argE</i>	0.720179471	0.590193242	0.222372579	0.506375504

<i>hybF</i>	0.719136751	0.756340952	0.341700694	0.625712378
<i>yihP</i>	0.718872457	1.283306689	0.575362133	0.791105179
<i>degS</i>	0.718859814	0.566252865	0.204261656	0.487965088
<i>ryfA</i>	0.718115856	1.400210624	0.608047339	0.81060361
<i>argK</i>	0.717675537	1.132704283	0.526345299	0.756399802
<i>yfcJ</i>	0.717427771	1.005039801	0.475332177	0.725525846
<i>gudX</i>	0.716780292	0.59420687	0.227709268	0.511998543
<i>gtrB</i>	0.716247173	0.913683349	0.433091856	0.694678843
<i>yhfK</i>	0.716069712	0.625628328	0.252391104	0.532458247
<i>ghrB</i>	0.715823835	0.665812505	0.282324036	0.564926772
<i>lysC</i>	0.715170998	0.748893	0.33959243	0.623508927
<i>ansA</i>	0.713866939	0.798403986	0.371259052	0.648608662
<i>fic</i>	0.712751603	0.823954576	0.387018209	0.658678346
<i>moaC</i>	0.712573858	0.656455497	0.277706052	0.561506402
<i>yggL</i>	0.711563327	1.259588715	0.572130086	0.789485959
<i>yceM</i>	0.711544581	0.718585934	0.322075836	0.609458252
<i>paaD</i>	0.711016697	1.360278477	0.60118348	0.804886997
<i>xthA</i>	0.71068637	0.691163238	0.303833761	0.589632393
<i>rhaA</i>	0.710519065	1.288435536	0.581319229	0.794025658
<i>yqiD</i>	0.708956707	1.021716572	0.487752549	0.733917973
<i>cydD</i>	0.708040885	0.731300429	0.332947356	0.618562032
<i>fadE</i>	0.707999117	1.149764124	0.538041242	0.767494438
<i>potC</i>	0.707753885	0.811093785	0.382885545	0.655859399
<i>wzzE</i>	0.707514096	0.579251005	0.221923554	0.505721241
<i>yigB</i>	0.707158525	0.873604495	0.418243605	0.684521428
<i>bdcA</i>	0.706799998	0.943784838	0.453917779	0.709031176
<i>ydiH</i>	0.706533313	1.5149919	0.64095704	0.832453872
<i>rstA</i>	0.706492932	1.015544853	0.486630062	0.733109726
<i>yqhD</i>	0.706395773	0.61719205	0.252403262	0.532458247
<i>ylaC</i>	0.705127382	1.162047734	0.543985466	0.771359594
<i>purP</i>	0.705006188	0.61084308	0.248437572	0.528082041
<i>ynhG</i>	0.704969552	0.696883351	0.31172773	0.598080557
<i>yhjK</i>	0.704815149	0.66534241	0.289450904	0.574307993
<i>torS</i>	0.704275608	1.030038231	0.494141035	0.739751757
<i>fepB</i>	0.702636355	0.939322973	0.454445535	0.709130947
<i>yaaJ</i>	0.702555347	1.014745977	0.488720051	0.734075985
<i>ybbA</i>	0.702226492	0.648156156	0.278621255	0.561735111
<i>gltJ</i>	0.702011349	0.672053536	0.296218733	0.580972784
<i>trmL</i>	0.701331915	0.654923819	0.284232251	0.568184194
<i>nagK</i>	0.701317574	0.721073744	0.33075128	0.616489972
<i>paoD</i>	0.700816315	1.421909181	0.622104477	0.820166358
<i>nhaA</i>	0.700654689	0.81308745	0.388840959	0.659841461
<i>inaA</i>	0.700495196	0.832030574	0.399838106	0.666780619
<i>yahG</i>	0.69937802	1.580117998	0.658046938	0.838465291
<i>mepA</i>	0.698750624	0.571660216	0.22158736	0.505523443
<i>queE</i>	0.697659689	1.001231232	0.485926862	0.732560474
<i>lplT</i>	0.697654174	1.111795914	0.530330217	0.759702721
<i>yggD</i>	0.697606471	0.981153273	0.477080135	0.726825579
<i>aidB</i>	0.697252452	1.263498756	0.58105619	0.794025658

<i>eutL</i>	0.696544913	0.954182811	0.465395655	0.717094577
<i>rtcR</i>	0.694414579	1.296993388	0.592370988	0.800235515
<i>hyfD</i>	0.694027361	1.406199839	0.621625311	0.820166358
<i>dinF</i>	0.693768873	1.087820538	0.523629654	0.755174179
<i>chrR</i>	0.693635151	0.872223398	0.42646843	0.688805982
<i>mglB</i>	0.691395087	0.747425898	0.354947721	0.63390223
<i>ftsL</i>	0.691188134	1.047558367	0.509376593	0.74684004
<i>trpB</i>	0.689872656	0.911010009	0.44889331	0.706193044
<i>ybcW</i>	0.688761061	1.589483879	0.664779611	0.843510655
<i>glgB</i>	0.687302156	0.650518093	0.290718929	0.5746692
<i>yfhM</i>	0.686819074	0.928685461	0.459566723	0.712996526
<i>yoaB</i>	0.686100654	1.008221698	0.496184287	0.739780307
<i>yeaC</i>	0.6857081	1.519730504	0.651842708	0.835727495
<i>rsmF</i>	0.685561421	0.683716267	0.316006251	0.603433511
<i>csdL</i>	0.684970762	0.587225191	0.24343122	0.523887136
<i>yejF</i>	0.68394578	0.585034666	0.24237591	0.52345551
<i>cspI</i>	0.68376975	1.492261612	0.646801308	0.835020719
<i>yhhX</i>	0.682827252	0.696361084	0.32680734	0.614506937
<i>lipB</i>	0.681412926	0.873377354	0.435270525	0.696089431
<i>waaN</i>	0.681213185	0.781480573	0.383374456	0.656334478
<i>mazF</i>	0.679455262	1.075392986	0.52750422	0.7567387
<i>ampE</i>	0.67782671	0.72713529	0.351239434	0.63145218
<i>lldD</i>	0.676841714	0.986376134	0.492593127	0.738525346
<i>macB</i>	0.675697086	0.851498594	0.427464032	0.689757885
<i>ybbO</i>	0.674374333	0.58160301	0.246248484	0.526247418
<i>mdtC</i>	0.672477505	1.329741158	0.6130528	0.813666378
<i>hisJ</i>	0.672147773	1.002779572	0.502676339	0.743875155
<i>dusC</i>	0.67081374	0.998522781	0.501707116	0.743795999
<i>fryA</i>	0.670784661	1.360201051	0.621905818	0.820166358
<i>hemG</i>	0.669826908	0.682950328	0.32669916	0.614506937
<i>fucU</i>	0.669691458	0.913960639	0.463719733	0.716098063
<i>tauC</i>	0.668295083	1.55741669	0.66784691	0.844991997
<i>yhfG</i>	0.667360626	1.55047628	0.66688798	0.844612647
<i>dadX</i>	0.667232281	0.925835754	0.471105775	0.722611734
<i>nanR</i>	0.666675221	0.674614138	0.323039081	0.610251834
<i>lplA</i>	0.666237773	1.068949964	0.533111209	0.762877812
<i>patA</i>	0.66501205	1.248748456	0.594350079	0.801295384
<i>yoaA</i>	0.664523485	0.676076195	0.325650693	0.612900608
<i>nudL</i>	0.66240611	0.656291104	0.31282238	0.599046731
<i>cysI</i>	0.662327189	1.258457828	0.598679323	0.803067964
<i>napF</i>	0.662290253	0.606908947	0.275162266	0.558871656
<i>rbbA</i>	0.661374263	1.385327027	0.633067477	0.828909368
<i>cysG</i>	0.659480439	0.624139628	0.290683568	0.5746692
<i>flgI</i>	0.659214548	0.704808296	0.349628343	0.630793638
<i>ydiJ</i>	0.659172454	0.736657237	0.370885622	0.648608662
<i>nikR</i>	0.659112326	0.775707782	0.395496613	0.664992388
<i>ymbA</i>	0.658711498	0.621235302	0.288996641	0.574028604
<i>sucD</i>	0.658473148	1.181775915	0.577397953	0.791871212
<i>fsaB</i>	0.656789356	0.55094642	0.233217676	0.516947839

<i>nhaB</i>	0.656277842	0.619272112	0.289255247	0.574260907
<i>yeaK</i>	0.656269003	1.108193801	0.553718703	0.779435981
<i>yqeG</i>	0.655214189	0.857976768	0.445061789	0.703423195
<i>nrfA</i>	0.653366707	0.591753686	0.26954136	0.552157996
<i>yecC</i>	0.652959602	0.619503892	0.29188107	0.576088538
<i>atoD</i>	0.652660094	1.222633912	0.593469664	0.800640937
<i>artQ</i>	0.652249012	0.741600908	0.379122184	0.65374791
<i>fadD</i>	0.65214965	0.68988766	0.344506593	0.626843182
<i>hslR</i>	0.651518379	0.648246926	0.314874404	0.602123035
<i>yfaQ</i>	0.650400774	1.234362032	0.598254359	0.803067964
<i>yggE</i>	0.649725224	0.670606379	0.332613909	0.618477926
<i>argI</i>	0.647854418	1.188806949	0.585779766	0.797370552
<i>yneG</i>	0.647685534	0.990068808	0.512994335	0.749974408
<i>yibL</i>	0.647197847	1.221445917	0.596207575	0.802465308
<i>gsiA</i>	0.646949921	0.997666436	0.516685436	0.750963463
<i>zraS</i>	0.645840677	0.745736559	0.38646603	0.658505059
<i>ybiA</i>	0.64468301	1.143550979	0.572920626	0.789593837
<i>sapA</i>	0.643879894	0.670162995	0.336662278	0.620658879
<i>hisF</i>	0.64258929	0.626373746	0.304944394	0.590558265
<i>flgL</i>	0.642317369	0.574286177	0.263369651	0.544753837
<i>cpdB</i>	0.64122952	0.753628828	0.394849416	0.664992388
<i>allR</i>	0.640461513	0.731564951	0.381319457	0.654882068
<i>gstB</i>	0.638206124	0.96828012	0.509823136	0.74695446
<i>citF</i>	0.63777368	1.336880878	0.633318711	0.828909368
<i>folP</i>	0.637715552	0.572715214	0.265495876	0.54774569
<i>ygfQ</i>	0.637196299	0.606401701	0.293358492	0.577598508
<i>ysqA</i>	0.636967881	0.597694688	0.286555758	0.570400668
<i>proB</i>	0.636478531	0.753677862	0.398391859	0.666569049
<i>yjaH</i>	0.636445073	0.550580078	0.2477001	0.527403468
<i>fsaA</i>	0.63613417	0.62973767	0.312419883	0.598841705
<i>hcp</i>	0.635597245	1.215780749	0.601120842	0.804886997
<i>ubiA</i>	0.634735818	0.640633233	0.321785986	0.609304244
<i>yecN</i>	0.632437996	1.025175596	0.537296073	0.766803996
<i>aroF</i>	0.631402133	0.5820505	0.278015002	0.561570911
<i>glf</i>	0.630524359	0.950609485	0.507148482	0.746201681
<i>cybB</i>	0.630062674	0.788587192	0.42430401	0.687894336
<i>abgA</i>	0.629963009	1.220100531	0.605630528	0.809237363
<i>yiaR</i>	0.629586928	1.33425813	0.637024641	0.830919529
<i>yoaK</i>	0.629567804	2.380961088	0.79145822	0.913602398
<i>rlmF</i>	0.629351068	0.608668198	0.301145264	0.585769243
<i>acrZ</i>	0.628370847	1.853165164	0.734549626	0.883485372
<i>thiQ</i>	0.627450452	1.22650387	0.608947496	0.810996435
<i>phnD</i>	0.627018728	1.32056905	0.634922762	0.829512368
<i>panF</i>	0.626881898	0.812977181	0.440651164	0.70082364
<i>ycjF</i>	0.626422112	1.156890281	0.588183234	0.798660503
<i>yjfP</i>	0.626043986	0.785966704	0.425725578	0.688805982
<i>epmC</i>	0.625628431	0.595116583	0.293134432	0.577598508
<i>xylB</i>	0.624814648	1.070700369	0.559518427	0.783322752
<i>proP</i>	0.624349868	0.680136481	0.358630737	0.636275276

<i>yncE</i>	0.624256033	0.570592155	0.273933291	0.55726306
<i>pfbK</i>	0.62311268	0.677715395	0.357870075	0.636177042
<i>wbbK</i>	0.622640051	1.021728273	0.542260089	0.769990334
<i>ydjN</i>	0.621701798	0.59833805	0.298782535	0.582618757
<i>ghrA</i>	0.620465161	0.758381977	0.413275346	0.680044972
<i>melB</i>	0.619796471	0.694761098	0.372339261	0.648973612
<i>polB</i>	0.6174306	1.019777546	0.544875944	0.772082165
<i>yebV</i>	0.615852323	1.297874485	0.635137422	0.829525486
<i>cusA</i>	0.615267231	1.36976261	0.653303256	0.836541819
<i>ebgA</i>	0.6145153	1.32551544	0.642930926	0.833030199
<i>yihM</i>	0.613158561	0.806538462	0.447114281	0.704961613
<i>entE</i>	0.612412519	1.148390612	0.593840509	0.800874726
<i>citG</i>	0.612192751	1.344536851	0.648879986	0.835484773
<i>cmoA</i>	0.612032777	0.96429412	0.525627274	0.755815269
<i>menA</i>	0.611679698	0.56491997	0.278909501	0.561943644
<i>folX</i>	0.610799285	1.119576378	0.585366463	0.797370552
<i>msrA</i>	0.610523584	0.571525125	0.285414172	0.569812147
<i>fiu</i>	0.60973433	1.149977546	0.595963484	0.802403176
<i>yqaB</i>	0.607951042	0.736976353	0.409413537	0.677660966
<i>basR</i>	0.607701352	0.6927138	0.380336619	0.654569964
<i>tsaA</i>	0.60768745	0.67598492	0.368670779	0.64755889
<i>nfrB</i>	0.606807036	1.21052663	0.616177423	0.815584287
<i>yqgF</i>	0.605954902	1.0177302	0.551577215	0.777560072
<i>ampG</i>	0.6056896	0.619365715	0.328114308	0.614967825
<i>sgrR</i>	0.604784749	1.002848935	0.54646435	0.773791993
<i>ubiC</i>	0.601877265	0.898328737	0.502859911	0.743875155
<i>grxA</i>	0.601643754	1.288877828	0.640645427	0.832453872
<i>fliA</i>	0.600418706	0.861990014	0.486084775	0.732560474
<i>ygcR</i>	0.599938351	1.317193518	0.64877321	0.835484773
<i>narW</i>	0.598548475	1.23882255	0.628982724	0.826011002
<i>yqfB</i>	0.597309196	1.101942108	0.587783139	0.798549881
<i>tolQ</i>	0.594424501	0.814595828	0.465563129	0.717094577
<i>yjjJ</i>	0.59437187	0.701283351	0.396689293	0.66524762
<i>livJ</i>	0.593396246	1.059747985	0.575519746	0.791105179
<i>rlmC</i>	0.591654739	0.60063636	0.324601235	0.612062049
<i>dgoK</i>	0.591595887	1.135508323	0.602369194	0.805646453
<i>sohB</i>	0.591371586	0.772022651	0.443674579	0.702273064
<i>ycjR</i>	0.590519399	1.243484463	0.634864771	0.829512368
<i>ytjF</i>	0.589865376	1.203656053	0.624090448	0.821715712
<i>rlmD</i>	0.588173205	0.713446063	0.40970573	0.677660966
<i>ydhQ</i>	0.585204453	0.628860394	0.352071237	0.63210664
<i>cheR</i>	0.585051782	1.25495379	0.641076727	0.832453872
<i>norW</i>	0.58447363	1.286201898	0.649527811	0.835568019
<i>yibQ</i>	0.581756988	0.709698524	0.412373405	0.679025907
<i>yphB</i>	0.580814186	1.157091267	0.615695261	0.815584287
<i>fhuD</i>	0.579797438	0.633238852	0.359873463	0.637642927
<i>ymgD</i>	0.578785034	1.067441756	0.587669047	0.798549881
<i>ygfS</i>	0.578071663	0.854408767	0.498675607	0.741338802
<i>rdgC</i>	0.577908489	0.764411525	0.449638704	0.706193044

<i>phoQ</i>	0.577895409	0.648935645	0.373182401	0.649863168
<i>frlB</i>	0.577581245	1.17328123	0.622522404	0.820450529
<i>tar</i>	0.576577729	1.357746006	0.671085991	0.84716196
<i>yceG</i>	0.575018634	0.549361561	0.295236379	0.579606915
<i>frlC</i>	0.574007111	1.126066826	0.610230012	0.811904322
<i>mgtA</i>	0.572370793	0.70289664	0.415471432	0.682629629
<i>yjdC</i>	0.571645377	0.793849164	0.47146762	0.72289265
<i>cusB</i>	0.571318188	1.352532315	0.672728471	0.847495718
<i>narX</i>	0.569099269	0.772236166	0.461152893	0.713839114
<i>yjjA</i>	0.568850204	0.764445147	0.456794954	0.711701285
<i>dmlA</i>	0.568478836	0.633682104	0.369663352	0.648130467
<i>proX</i>	0.567215533	0.73766812	0.441934556	0.701488916
<i>zur</i>	0.565113539	0.894189839	0.52739743	0.7567387
<i>nlpE</i>	0.564137433	0.668487656	0.398724702	0.666569049
<i>macA</i>	0.563201259	0.593497712	0.342644667	0.625712378
<i>sppA</i>	0.562417721	0.612400039	0.358418442	0.636177042
<i>lpxH</i>	0.561502516	0.583763404	0.336116622	0.620499447
<i>alaA</i>	0.561157054	0.720022804	0.435767613	0.696462904
<i>pqiB</i>	0.561001331	0.742332983	0.449812688	0.706193044
<i>glnD</i>	0.560131227	0.866500261	0.518001318	0.751602485
<i>yifL</i>	0.56012087	1.372618542	0.683224198	0.855137666
<i>wcaG</i>	0.558625911	1.36682548	0.682757505	0.854817457
<i>rfbA</i>	0.557698962	0.795858248	0.483458031	0.73104769
<i>yqhA</i>	0.557500801	0.892283504	0.53210081	0.761969863
<i>yeaD</i>	0.556648491	0.624200166	0.372511494	0.648973612
<i>fdnH</i>	0.556501614	0.776182936	0.473391229	0.724186852
<i>gntT</i>	0.555250827	0.77198538	0.471986624	0.723099271
<i>glcG</i>	0.554847323	0.568917729	0.32942728	0.615436956
<i>avtA</i>	0.554332784	0.674549468	0.411200834	0.678686879
<i>tauB</i>	0.554196582	1.339760017	0.679127798	0.851588027
<i>glpR</i>	0.553708638	0.700147869	0.429034283	0.690456087
<i>yfiB</i>	0.553121535	0.936623022	0.554822827	0.780158646
<i>tesB</i>	0.552309997	0.573421183	0.335455291	0.620125741
<i>yphC</i>	0.551060442	1.223061187	0.652307884	0.835922843
<i>ptrA</i>	0.550969098	0.674138458	0.41376062	0.680480955
<i>sufA</i>	0.549327437	0.851633749	0.518909176	0.751849157
<i>waaA</i>	0.547684588	0.623080485	0.379404024	0.653955745
<i>cbpA</i>	0.54746286	0.645983429	0.396723469	0.66524762
<i>emrB</i>	0.547142535	1.034539097	0.596891716	0.803067964
<i>yhhQ</i>	0.545929041	0.773020409	0.480046052	0.728606025
<i>yaiC</i>	0.545113722	1.183171996	0.644997855	0.834339918
<i>bioH</i>	0.544838226	0.722561486	0.450826896	0.707022142
<i>fliM</i>	0.544590936	0.652006485	0.403574788	0.671079651
<i>abrB</i>	0.54400175	0.916200179	0.552673572	0.778235034
<i>aroA</i>	0.542241575	0.67972772	0.425025157	0.688394721
<i>phnO</i>	0.54178887	1.13110726	0.631945866	0.828292448
<i>torA</i>	0.541219418	1.263068702	0.668290315	0.844992225
<i>kdpA</i>	0.540379087	1.331803857	0.684926481	0.855485032
<i>livM</i>	0.539838542	1.353616149	0.690031637	0.858884942

<i>modA</i>	0.539731858	0.553418792	0.329427142	0.615436956
<i>ygeR</i>	0.538740611	0.974300748	0.580296937	0.794025658
<i>ivy</i>	0.535682439	0.934342865	0.566424432	0.786799618
<i>tktB</i>	0.535487252	0.990310999	0.588696214	0.798987094
<i>pgpC</i>	0.533369043	0.645801504	0.408859433	0.677089926
<i>bcr</i>	0.53156581	0.762010041	0.485437557	0.732515133
<i>ppx</i>	0.531445745	0.702753546	0.449509235	0.706193044
<i>agaR</i>	0.531359104	0.652673561	0.415572256	0.682629629
<i>yjjV</i>	0.530440261	0.815533729	0.515420318	0.750813499
<i>tap</i>	0.529876933	1.337559368	0.691992836	0.859949516
<i>yfeH</i>	0.528786627	0.578984615	0.361084802	0.638672682
<i>fhlA</i>	0.528695934	0.605407634	0.382505479	0.655677468
<i>entB</i>	0.525756485	0.913888683	0.56509114	0.786433053
<i>ybjP</i>	0.522913346	0.917238847	0.568613218	0.787912959
<i>mdtA</i>	0.522849946	1.02445685	0.609793704	0.811856708
<i>mdlA</i>	0.521990202	0.678804972	0.441902774	0.701488916
<i>mobA</i>	0.5206466	0.599982636	0.385520559	0.657847271
<i>phnP</i>	0.520584803	1.141157694	0.648253308	0.835484773
<i>tyrB</i>	0.519999136	0.579898801	0.369875448	0.648130467
<i>smtA</i>	0.51627095	0.794211155	0.515664814	0.750820131
<i>araD</i>	0.515746959	1.170488774	0.659484289	0.839155464
<i>cobT</i>	0.51528098	0.609509283	0.397885867	0.666541035
<i>aceA</i>	0.513769191	1.222799847	0.674370003	0.848009215
<i>ydhB</i>	0.513391596	1.014622166	0.612861645	0.813666378
<i>ytfL</i>	0.513252524	0.624965403	0.411504167	0.678686879
<i>edd</i>	0.510238808	0.70993031	0.472315459	0.723099271
<i>fadB</i>	0.509725593	1.166751627	0.662201397	0.841524323
<i>yjbH</i>	0.508455738	1.302643827	0.696295509	0.861655065
<i>cynX</i>	0.505821006	1.4927188	0.73471605	0.883485372
<i>menD</i>	0.505668372	0.694092926	0.466288459	0.717666444
<i>cdsA</i>	0.504537261	0.70811654	0.476151517	0.72622959
<i>proY</i>	0.503912497	0.590428427	0.393399142	0.663687108
<i>mdtD</i>	0.503678163	1.133580221	0.656807545	0.838288833
<i>waaC</i>	0.503652671	0.670406409	0.452493368	0.708213692
<i>flk</i>	0.502643796	0.716550799	0.483005477	0.730927125
<i>dinJ</i>	0.502181994	1.370263398	0.714002652	0.872382988
<i>mocA</i>	0.501714674	0.975739473	0.607119736	0.809969492
<i>fdnG</i>	0.500557164	0.857030414	0.55917996	0.783322752
<i>fkpB</i>	0.499765523	0.829771424	0.546979117	0.774025731
<i>yihI</i>	0.498697568	0.631038096	0.429363541	0.690456087
<i>ptrB</i>	0.498455159	0.740760792	0.501013299	0.743473243
<i>dcp</i>	0.496750744	0.751243085	0.508459465	0.74684004
<i>tdcD</i>	0.495193993	2.125553373	0.815783304	0.92234894
<i>fpr</i>	0.494814331	0.575209568	0.389660542	0.66012697
<i>araA</i>	0.494705432	1.056936781	0.639744658	0.832453872
<i>mrdB</i>	0.494572305	0.667269589	0.458579373	0.7125645
<i>hcaT</i>	0.494499645	1.079482744	0.646888186	0.835020719
<i>ldcA</i>	0.492277433	0.654029705	0.451640068	0.707749839
<i>yiaS</i>	0.492106185	1.218468639	0.686306353	0.856351479

<i>nudF</i>	0.491256486	0.686949597	0.474530319	0.725120962
<i>torI</i>	0.491200443	1.432183906	0.731618755	0.881723797
<i>poxB</i>	0.491198896	1.104286488	0.656456267	0.838288833
<i>yncD</i>	0.488632509	0.609721332	0.422898375	0.687146297
<i>bcsZ</i>	0.488117959	1.281968957	0.703383971	0.86593338
<i>ccmA</i>	0.487837634	0.637056762	0.443814403	0.702273064
<i>fliG</i>	0.486242214	0.969462533	0.615978089	0.815584287
<i>pth</i>	0.484081304	0.86266891	0.574699516	0.790577482
<i>ygiS</i>	0.481862941	0.829726322	0.561409462	0.783626776
<i>ybaE</i>	0.481249602	0.787998217	0.541382164	0.769634188
<i>hcaB</i>	0.481107223	1.18107312	0.683752755	0.855271111
<i>sucC</i>	0.480599441	1.222649726	0.694260222	0.861638946
<i>ybhK</i>	0.480235403	0.669525308	0.473202921	0.724184463
<i>fsr</i>	0.48012291	1.117355266	0.66741691	0.844741852
<i>hycI</i>	0.480101159	0.556669156	0.388438112	0.659622318
<i>asnB</i>	0.478758831	0.665123684	0.47164555	0.72289265
<i>yefM</i>	0.477435262	1.221594416	0.695923191	0.861638946
<i>yggN</i>	0.477194474	0.810609774	0.556072056	0.781121315
<i>hyuA</i>	0.475024394	0.73828555	0.519954504	0.752551074
<i>yhdP</i>	0.474414258	0.998826638	0.634807236	0.829512368
<i>yjcD</i>	0.471348392	1.04243544	0.651153181	0.835568019
<i>btuR</i>	0.471205001	0.83621039	0.573094097	0.789593837
<i>pabC</i>	0.471203969	0.561874796	0.401678061	0.668469015
<i>fruA</i>	0.470211584	0.672594483	0.484488813	0.732265615
<i>aas</i>	0.469654923	0.809988788	0.562029994	0.784056984
<i>smf</i>	0.469341937	0.578080789	0.416850857	0.683875756
<i>prkB</i>	0.467360784	0.595945243	0.432902561	0.694678843
<i>mnmc</i>	0.466556536	0.856134473	0.585783042	0.797370552
<i>yccS</i>	0.466131541	0.685026797	0.496214898	0.739780307
<i>sroH</i>	0.465031836	1.644557263	0.777352976	0.908982566
<i>yehH</i>	0.464727104	0.564235799	0.410144211	0.677833115
<i>yniC</i>	0.464527222	0.784807502	0.553917842	0.779445655
<i>fumA</i>	0.464278422	0.900279657	0.606060693	0.809545322
<i>tatD</i>	0.463885154	0.690648419	0.501796265	0.743795999
<i>hdfR</i>	0.462443878	0.790521769	0.558557377	0.782984649
<i>fhuA</i>	0.462249617	1.277510126	0.717474318	0.874516201
<i>ypfH</i>	0.462151759	0.707794194	0.513790754	0.750179195
<i>hycF</i>	0.462067957	1.1925421	0.698412219	0.862957372
<i>talA</i>	0.460073295	0.648436289	0.478006839	0.726905286
<i>rsmI</i>	0.45916316	0.687748351	0.504368198	0.744342437
<i>ytfB</i>	0.458998638	0.65092195	0.480715914	0.728900347
<i>glyV</i>	0.458679495	3.019645822	0.879267037	0.954875052
<i>xanQ</i>	0.456395712	0.707447753	0.518842996	0.751849157
<i>yhhL</i>	0.456192632	1.17371911	0.697518244	0.862641538
<i>mug</i>	0.455375704	0.890031505	0.608902997	0.810996435
<i>rnhB</i>	0.454905601	0.95504592	0.633847815	0.828909368
<i>ydgJ</i>	0.454865209	0.658445379	0.489680601	0.735246355
<i>folB</i>	0.452621756	0.843066471	0.591353597	0.79991618
<i>yaeQ</i>	0.45198368	0.684800536	0.509239467	0.74684004

<i>aer</i>	0.451321879	1.077420725	0.675295771	0.848357316
<i>fliF</i>	0.451158415	0.984463738	0.646752478	0.835020719
<i>glsB</i>	0.450036032	0.675584532	0.505319584	0.744932943
<i>csrD</i>	0.449538939	0.748346306	0.548033309	0.774660751
<i>betB</i>	0.449442416	1.41703225	0.751113382	0.894257701
<i>yebT</i>	0.449167815	0.691807351	0.516165689	0.750820131
<i>yhaJ</i>	0.448943333	0.601010901	0.455075422	0.709840616
<i>menF</i>	0.44836361	0.676205958	0.50729356	0.746201681
<i>yedJ</i>	0.447933299	0.789427455	0.570431986	0.78845253
<i>arsB</i>	0.447904516	1.186419892	0.705782646	0.867306107
<i>potG</i>	0.447684978	1.206671213	0.710631385	0.870258245
<i>cyoB</i>	0.44647209	0.997111174	0.654322367	0.837582216
<i>cysZ</i>	0.445568051	0.827357159	0.59020169	0.799883279
<i>acrD</i>	0.440009553	0.9905029	0.656877436	0.838288833
<i>yfcO</i>	0.439791434	0.690263618	0.524036607	0.755404001
<i>ydcF</i>	0.439121314	0.784533579	0.575668544	0.791105179
<i>eptC</i>	0.43863664	0.622135848	0.48077936	0.728900347
<i>djlA</i>	0.437974159	0.583839772	0.453157402	0.708484422
<i>pgsA</i>	0.437417944	0.66777765	0.512445016	0.749712052
<i>truC</i>	0.435724159	0.914337781	0.63368533	0.828909368
<i>tyrU</i>	0.434827806	3.149188172	0.890180228	0.958903945
<i>gcd</i>	0.432500858	1.075290556	0.687523841	0.857079229
<i>ydcL</i>	0.429838787	0.876029027	0.623661786	0.82141809
<i>gluQ</i>	0.429438235	0.630016913	0.495473134	0.739780307
<i>helD</i>	0.428263984	0.672680292	0.524350838	0.755408066
<i>dnaC</i>	0.427746282	0.747008439	0.566907174	0.786799618
<i>adhP</i>	0.427331589	0.556589236	0.442624832	0.701760293
<i>rlmM</i>	0.427181076	0.65926738	0.517008679	0.750963463
<i>viaA</i>	0.427144648	0.7001637	0.541819431	0.769634188
<i>yeeA</i>	0.426588055	0.621947137	0.492781733	0.73853499
<i>hcaD</i>	0.424003002	1.103199536	0.70072694	0.86432447
<i>metB</i>	0.423954999	1.010487889	0.674810747	0.848273726
<i>melR</i>	0.42353222	0.59672623	0.477853175	0.726905286
<i>yfbS</i>	0.422950667	0.626043849	0.499299264	0.741721955
<i>ybhR</i>	0.42199118	0.636114895	0.507081896	0.746201681
<i>yaiI</i>	0.420507354	0.602909264	0.48551262	0.732515133
<i>yojI</i>	0.416863911	0.901271386	0.643702203	0.833195635
<i>yebZ</i>	0.416597815	0.70610451	0.555194301	0.780158646
<i>yjdF</i>	0.416482201	0.89321268	0.641019105	0.832453872
<i>ybjT</i>	0.415741351	0.842559936	0.621711303	0.820166358
<i>ycjT</i>	0.414710714	1.344570876	0.757752487	0.896603997
<i>leuA</i>	0.413505214	1.088974877	0.704153495	0.866446724
<i>dauA</i>	0.412549821	0.640554584	0.519542363	0.752223121
<i>hyfF</i>	0.412300488	1.244946445	0.740509057	0.887549959
<i>puuA</i>	0.411261191	1.13541097	0.717192486	0.874516201
<i>yfhG</i>	0.40994433	0.557753668	0.462344534	0.714853067
<i>serA</i>	0.409867517	0.59901714	0.493827813	0.739555949
<i>marC</i>	0.409253402	0.722020065	0.570838374	0.78874532
<i>ycjO</i>	0.408947419	1.324945779	0.757586114	0.896603997

<i>ybjJ</i>	0.408770305	1.086738017	0.706809626	0.867961823
<i>dsbB</i>	0.407992012	0.956363974	0.669665258	0.845739239
<i>ypjD</i>	0.407980452	0.552853382	0.460542306	0.713699736
<i>wzxE</i>	0.407763039	0.807000827	0.613360743	0.813666378
<i>kefB</i>	0.40741393	1.128848342	0.718165884	0.874577718
<i>artP</i>	0.404831604	0.605710033	0.503904616	0.744200114
<i>yfcD</i>	0.402769177	0.637889021	0.527772817	0.7567387
<i>glpT</i>	0.402723582	0.76563185	0.598887092	0.803067964
<i>nrfB</i>	0.401984205	0.571016349	0.481445102	0.729636802
<i>mltB</i>	0.401853822	0.593879419	0.49862237	0.741338802
<i>waaG</i>	0.399071239	0.601595386	0.507103292	0.746201681
<i>yqeF</i>	0.3983846	0.568172591	0.483198001	0.730927125
<i>ddpF</i>	0.398299776	1.16146665	0.731652406	0.881723797
<i>hokA</i>	0.397717422	1.665929977	0.811310317	0.92122904
<i>iclR</i>	0.396645142	0.750724844	0.597256738	0.803067964
<i>araF</i>	0.396426963	0.740089762	0.592202444	0.800235515
<i>cycA</i>	0.395988821	0.70014123	0.571676467	0.789365258
<i>dbpA</i>	0.395946531	0.680472984	0.56065453	0.783322752
<i>bcsA</i>	0.394734345	1.250593244	0.752277537	0.894612243
<i>yceK</i>	0.394241637	1.348043831	0.769939057	0.90629502
<i>nirC</i>	0.392651247	1.187903352	0.74099091	0.887549959
<i>flgK</i>	0.392477342	0.592343639	0.507597102	0.746201681
<i>gntU</i>	0.389789416	1.131384911	0.730452143	0.881723797
<i>aslA</i>	0.389360511	1.078780694	0.718154413	0.874577718
<i>ibpB</i>	0.388616101	1.043448026	0.709569331	0.869850035
<i>modB</i>	0.388177846	1.006437915	0.699722733	0.864049942
<i>thiC</i>	0.387540996	1.101234027	0.724901857	0.878813436
<i>fepA</i>	0.387127115	0.861241924	0.653071954	0.836509858
<i>solA</i>	0.386500835	0.635437259	0.543025724	0.770268119
<i>coaA</i>	0.386299484	0.72852115	0.595937519	0.802403176
<i>yjhH</i>	0.385886502	0.971635905	0.691255863	0.85988072
<i>yheV</i>	0.385462823	1.556482797	0.804405292	0.919399235
<i>baeS</i>	0.384921038	1.087636077	0.723409258	0.877266268
<i>yeaL</i>	0.383865493	0.572650833	0.502646935	0.743875155
<i>rcsC</i>	0.383059875	0.618056193	0.535401564	0.765344832
<i>ytfE</i>	0.382445704	0.939668627	0.684007541	0.855325901
<i>yjgA</i>	0.381886515	0.916475265	0.676904821	0.849852011
<i>azoR</i>	0.381419121	0.619945157	0.538391909	0.767523344
<i>yijO</i>	0.381179652	0.937657642	0.684358162	0.855485032
<i>sapD</i>	0.380760206	0.566423081	0.501444456	0.743795999
<i>waaL</i>	0.380570707	0.654516093	0.560934815	0.783337836
<i>ybdL</i>	0.378993671	1.050126219	0.718171984	0.874577718
<i>galR</i>	0.378654763	0.628739074	0.547011278	0.774025731
<i>ybaO</i>	0.378354335	0.803178505	0.637589826	0.831389242
<i>sufS</i>	0.377702319	0.973188705	0.697936114	0.862887701
<i>yggU</i>	0.377640685	1.141603534	0.740796728	0.887549959
<i>rutA</i>	0.377525709	1.299906471	0.771490901	0.90629502
<i>astC</i>	0.376826099	1.358517662	0.781488072	0.910531625
<i>ydjA</i>	0.375684386	0.568935988	0.50904334	0.74684004

<i>yoaF</i>	0.374305222	1.288603726	0.771454029	0.90629502
<i>yiaN</i>	0.374220198	1.364919039	0.783953787	0.910993273
<i>csdA</i>	0.373333236	0.815171609	0.646965979	0.835020719
<i>yecJ</i>	0.37219419	1.174475686	0.751317644	0.894257701
<i>clsA</i>	0.370759584	0.697937096	0.595264905	0.802143769
<i>ydcP</i>	0.369737224	0.705666417	0.60031006	0.804248837
<i>mtlR</i>	0.369103316	0.81650097	0.651229388	0.835568019
<i>yhgE</i>	0.36903524	0.853982299	0.665643639	0.844078609
<i>norV</i>	0.368761431	1.214310483	0.761371933	0.899359504
<i>queG</i>	0.367999851	0.577759066	0.524161681	0.755404001
<i>sodA</i>	0.367784088	0.858750081	0.668448462	0.844992225
<i>ydqI</i>	0.36744226	0.659406183	0.577368893	0.791871212
<i>yahF</i>	0.367331106	1.594037622	0.817749357	0.923184599
<i>uhpC</i>	0.366465336	1.185634641	0.757254654	0.896603997
<i>ggt</i>	0.366338427	1.29804133	0.777771751	0.908982566
<i>zupT</i>	0.36620386	0.633542735	0.563246899	0.784867886
<i>pyrC</i>	0.365892978	0.603610568	0.544399276	0.771676456
<i>zntR</i>	0.365401338	0.831789241	0.660447375	0.840117245
<i>torT</i>	0.361350241	0.582502606	0.535033316	0.765297267
<i>ascF</i>	0.360389068	1.066168655	0.73534618	0.883810677
<i>mdtG</i>	0.359939382	0.682609846	0.597986077	0.803067964
<i>yphE</i>	0.359866076	1.319871165	0.785120408	0.911216185
<i>cutC</i>	0.358829329	0.95785216	0.707944065	0.868645654
<i>pstA</i>	0.358800332	0.974416043	0.712708543	0.8719979
<i>adiC</i>	0.358231983	1.272206206	0.778263071	0.908982566
<i>iaaA</i>	0.357626917	0.784532992	0.64850009	0.835484773
<i>fliC</i>	0.355747277	0.854897439	0.6773159	0.850104848
<i>cyoD</i>	0.355519837	1.39463062	0.798784557	0.917982978
<i>afuC</i>	0.355283443	1.21943865	0.770783656	0.90629502
<i>prmA</i>	0.355238108	0.572854837	0.535179514	0.765297267
<i>yjcS</i>	0.355232062	1.39796255	0.7994129	0.917982978
<i>fumC</i>	0.355186723	0.604920058	0.557094187	0.781744491
<i>btuF</i>	0.354764303	0.748771481	0.635645987	0.829922328
<i>nudK</i>	0.351180831	0.722161841	0.626760833	0.82389378
<i>rsmD</i>	0.350880564	0.61559402	0.568686542	0.787912959
<i>alkA</i>	0.350606023	0.810831193	0.665448374	0.844078609
<i>yidE</i>	0.349864207	0.650241001	0.590540368	0.799883279
<i>mqsR</i>	0.349822887	1.064728032	0.742491236	0.88818515
<i>rssB</i>	0.347040677	0.836191337	0.67812328	0.850854775
<i>glrK</i>	0.344784947	0.743640204	0.64290222	0.833030199
<i>yjcO</i>	0.344128088	0.784314057	0.660833181	0.840344327
<i>yfcE</i>	0.344011755	0.894381793	0.700506854	0.86432447
<i>galS</i>	0.343704675	0.572796785	0.548475283	0.774745225
<i>tabA</i>	0.342554193	0.937532569	0.714828929	0.873129399
<i>arfB</i>	0.34218892	0.706637476	0.628208735	0.825261896
<i>frsA</i>	0.340077893	0.66905084	0.61124365	0.8127195
<i>waaY</i>	0.337717469	0.96432746	0.72618083	0.879528407
<i>tusD</i>	0.337700393	0.785125963	0.667106487	0.844612647
<i>ldhA</i>	0.336377558	0.711433065	0.636343834	0.83029865

<i>ybjS</i>	0.336320433	0.598158241	0.57393891	0.790335714
<i>proA</i>	0.336038524	0.740799626	0.650105273	0.835568019
<i>yjD</i>	0.335627671	0.594154342	0.572153366	0.789485959
<i>yoeB</i>	0.335242374	1.225476862	0.784422198	0.910993273
<i>ygbI</i>	0.334630826	0.587426056	0.568910982	0.787912959
<i>cbeA</i>	0.332555658	1.169765165	0.776186105	0.908913481
<i>rffG</i>	0.331989738	0.671423719	0.620983908	0.820166358
<i>mngA</i>	0.33120749	1.328565457	0.803130989	0.918717545
<i>narG</i>	0.328905429	1.048177574	0.753682143	0.895232173
<i>purN</i>	0.328675752	0.631512502	0.602744374	0.805646453
<i>bcsG</i>	0.328217264	1.092570407	0.763865702	0.901026473
<i>fau</i>	0.328014471	0.760106112	0.666077419	0.844364559
<i>prpE</i>	0.326762435	1.691177716	0.846789882	0.941290425
<i>ybjQ</i>	0.325765867	0.98592192	0.741084512	0.887549959
<i>wbbJ</i>	0.324836247	0.822151094	0.692765185	0.860438131
<i>cyaY</i>	0.323549394	1.137159543	0.776008701	0.908913481
<i>ybcF</i>	0.321924955	1.265821985	0.799247674	0.917982978
<i>opgB</i>	0.321742556	0.794299754	0.685430171	0.855521525
<i>rhaD</i>	0.32121453	1.139583696	0.778043144	0.908982566
<i>yfaL</i>	0.320793703	1.036420412	0.756925372	0.896603997
<i>treF</i>	0.320248242	1.005547825	0.750119829	0.893619097
<i>ybfF</i>	0.3187412	0.731342527	0.662959891	0.841728594
<i>yeeD</i>	0.317163329	1.135658685	0.78003227	0.909824916
<i>yihS</i>	0.315338166	1.079432384	0.770184691	0.90629502
<i>appA</i>	0.315214259	1.040928416	0.762026809	0.899608819
<i>glcA</i>	0.315161255	1.331620936	0.812909007	0.92122904
<i>mhpB</i>	0.31411679	1.461793226	0.829857325	0.932181102
<i>rtn</i>	0.314024623	0.578607823	0.587319525	0.798455182
<i>nikA</i>	0.313430128	0.79163827	0.692159663	0.859949516
<i>nadD</i>	0.313328249	0.801526015	0.695860336	0.861638946
<i>yjeH</i>	0.312890361	0.879695898	0.722080119	0.87617863
<i>mdtF</i>	0.31286736	1.204132381	0.794996419	0.916642628
<i>yhcH</i>	0.312363722	0.859693708	0.716348649	0.874458724
<i>kdpC</i>	0.312035599	1.133722069	0.783138677	0.910993273
<i>argG</i>	0.311565503	0.658789689	0.636258686	0.83029865
<i>plsY</i>	0.311528404	0.662356533	0.638116834	0.831525666
<i>frwC</i>	0.311437542	1.237167953	0.801246485	0.918382466
<i>yiiM</i>	0.30975817	0.54865922	0.572364248	0.789508221
<i>wcaJ</i>	0.309727521	1.248544414	0.80407956	0.919399235
<i>yobA</i>	0.309704618	1.155636257	0.788703248	0.913188139
<i>gnsB</i>	0.304918072	1.727040427	0.859857739	0.944934474
<i>cheB</i>	0.303393766	1.330883483	0.819674085	0.92458507
<i>ytfJ</i>	0.302841069	0.789882372	0.701423046	0.864569483
<i>yjbD</i>	0.302677642	1.26456302	0.810831449	0.92122904
<i>hofB</i>	0.302640381	0.854791793	0.723300232	0.877266268
<i>yahJ</i>	0.302189	1.264449734	0.811114466	0.92122904
<i>narQ</i>	0.302041638	0.587507741	0.607177426	0.809969492
<i>zapC</i>	0.301794135	0.808118003	0.708811281	0.869238567
<i>hyfG</i>	0.30052602	1.140362917	0.792137927	0.913866578

<i>dcuR</i>	0.30012036	0.724704703	0.678780518	0.85141591
<i>bisC</i>	0.299841499	0.90986679	0.741744245	0.888070136
<i>nudE</i>	0.298657713	0.947753191	0.75266916	0.894815476
<i>hsrA</i>	0.298213864	0.619543626	0.630271736	0.826632681
<i>yraN</i>	0.298000578	0.833595348	0.720726288	0.875654502
<i>aaeR</i>	0.29745947	0.751055912	0.692064434	0.859949516
<i>srIE</i>	0.297050136	0.968758698	0.759125286	0.897490204
<i>ygcQ</i>	0.296019551	1.221588096	0.808529476	0.920008611
<i>cusR</i>	0.295620944	0.860797989	0.731277536	0.881723797
<i>clcA</i>	0.293558672	0.858411385	0.732366692	0.882322308
<i>yhhW</i>	0.291786574	0.597050351	0.625044536	0.822704724
<i>pflD</i>	0.291427842	1.101355402	0.791311182	0.913602398
<i>gtrS</i>	0.290923499	0.70450579	0.679645501	0.851973673
<i>ybhB</i>	0.290654532	0.905971156	0.748346078	0.892380382
<i>atoS</i>	0.290038173	0.62180136	0.640894663	0.832453872
<i>argC</i>	0.287662475	0.847849512	0.734395172	0.883485372
<i>yrbG</i>	0.287216966	0.572421075	0.615837622	0.815584287
<i>adiA</i>	0.286797711	1.039217685	0.782567556	0.910861003
<i>trpA</i>	0.286637922	0.575859159	0.618655334	0.818280171
<i>ycbX</i>	0.286229323	0.76146407	0.706996143	0.867961823
<i>yebO</i>	0.285408555	1.168963554	0.807110606	0.91948485
<i>ycaQ</i>	0.284652775	0.74554856	0.702607396	0.865503003
<i>cyoC</i>	0.284491803	0.914591749	0.755755929	0.896382252
<i>eutQ</i>	0.282450992	1.222842737	0.817331117	0.923184599
<i>aes</i>	0.281915538	0.559034981	0.614057871	0.8143247
<i>dacC</i>	0.281849981	0.695254158	0.685189911	0.855485032
<i>ynfE</i>	0.280786044	0.717651037	0.695607226	0.861638946
<i>yjcB</i>	0.27970261	1.181851665	0.812916896	0.92122904
<i>yehN</i>	0.275126613	1.007071919	0.784703629	0.910993273
<i>malY</i>	0.273781738	0.587629964	0.641281066	0.832453872
<i>yehW</i>	0.272529166	1.233227107	0.825101288	0.928639817
<i>php</i>	0.272330959	1.088214388	0.802390249	0.918717545
<i>uraA</i>	0.268859205	0.800748376	0.737051921	0.885202119
<i>yaiW</i>	0.267879112	0.78029104	0.73136777	0.881723797
<i>sgcX</i>	0.267853882	0.650275977	0.680406851	0.852664413
<i>ybdG</i>	0.266677513	0.681192563	0.69543786	0.861638946
<i>dpiA</i>	0.266623298	0.600866685	0.657236933	0.838288833
<i>elaB</i>	0.26586117	1.044266324	0.799038743	0.917982978
<i>metN</i>	0.265731128	0.678203729	0.695194111	0.861638946
<i>cvrA</i>	0.264805624	0.794753781	0.738989335	0.88634993
<i>hicA</i>	0.263632907	1.581627975	0.867618283	0.948065908
<i>yddE</i>	0.261234644	0.780388277	0.737814001	0.885202119
<i>ttcA</i>	0.259292155	0.744550064	0.727649823	0.880260709
<i>yicI</i>	0.258937836	1.077903689	0.810156969	0.921025337
<i>gsiC</i>	0.258296191	1.043056424	0.804417634	0.919399235
<i>murQ</i>	0.257971553	0.882616547	0.770072213	0.90629502
<i>ykfA</i>	0.256686812	1.029697527	0.803141337	0.918717545
<i>cobB</i>	0.255350346	0.734354512	0.728049866	0.880260709
<i>yoaH</i>	0.255206337	0.875604244	0.770697153	0.90629502

<i>gadA</i>	0.253742488	1.28209608	0.843113739	0.939264385
<i>ygfF</i>	0.253566862	0.705890017	0.719433641	0.874823363
<i>glpQ</i>	0.25326444	0.723318158	0.726231744	0.879528407
<i>ymgG</i>	0.253220569	0.624335685	0.685048282	0.855485032
<i>csiD</i>	0.252723218	1.198000348	0.832923002	0.932648078
<i>fixA</i>	0.250981524	1.170372726	0.830199424	0.932307054
<i>yjcZ</i>	0.249444799	1.264153227	0.843575839	0.939521003
<i>yibF</i>	0.248667643	0.724951351	0.731588778	0.881723797
<i>ycjS</i>	0.248104899	1.149267806	0.829080633	0.931770091
<i>tusB</i>	0.247619727	1.048122842	0.81323816	0.92122904
<i>caiA</i>	0.247454982	0.667292682	0.710760989	0.870258245
<i>argD</i>	0.246098296	0.9500381	0.795604032	0.916821701
<i>agaS</i>	0.245366991	1.16075192	0.832585888	0.932648078
<i>yobD</i>	0.242682944	0.987373915	0.805847692	0.91948485
<i>tyrV</i>	0.240286994	1.848473668	0.896572668	0.961537769
<i>folM</i>	0.240173524	0.670168723	0.72006068	0.875300149
<i>ebgR</i>	0.239228418	0.574006348	0.676846912	0.849852011
<i>ybjD</i>	0.238927195	0.665182586	0.719452662	0.874823363
<i>narI</i>	0.238472627	1.004270822	0.812301123	0.92122904
<i>yegH</i>	0.238037465	0.62886943	0.705046927	0.866664719
<i>alsK</i>	0.237631602	1.005629888	0.813198915	0.92122904
<i>leuQ</i>	0.237007271	2.86353061	0.934036411	0.974124305
<i>ttdA</i>	0.23668165	1.24029725	0.848661484	0.94173934
<i>cysN</i>	0.236427493	1.150712697	0.837211347	0.93577469
<i>yjdP</i>	0.236270843	0.78309232	0.762869192	0.900341108
<i>ubiX</i>	0.236121627	0.719687196	0.742844188	0.888345232
<i>uspB</i>	0.234426133	1.223022032	0.847994622	0.94173934
<i>hofQ</i>	0.234177921	1.274596862	0.854227588	0.942579924
<i>thiH</i>	0.232475403	1.078028301	0.829261591	0.931770091
<i>yohK</i>	0.232141074	0.821265237	0.777435389	0.908982566
<i>prpD</i>	0.22568411	1.585801809	0.886830837	0.956971295
<i>yejH</i>	0.224682539	0.748743913	0.764116678	0.901026473
<i>intA</i>	0.223530156	0.697586867	0.748639783	0.892380382
<i>uspD</i>	0.222543787	0.868553583	0.797777831	0.917982978
<i>folA</i>	0.222271976	1.014137652	0.826514992	0.929460312
<i>yjjU</i>	0.221398954	0.609317412	0.716339191	0.874458724
<i>nemA</i>	0.220312441	0.61886186	0.721843446	0.876153692
<i>xylH</i>	0.21881415	1.154103195	0.849625178	0.941859577
<i>yjjP</i>	0.21493192	0.83616279	0.797143614	0.917918719
<i>yhfW</i>	0.214173925	1.162080998	0.853776495	0.942579924
<i>yhhY</i>	0.213212128	0.846178868	0.801063852	0.918382466
<i>mdtO</i>	0.212865278	1.271158671	0.867009946	0.947656598
<i>astB</i>	0.212722273	1.260357239	0.865970203	0.947534878
<i>pdxK</i>	0.212338585	0.586711403	0.717416916	0.874516201
<i>yfdY</i>	0.210711342	1.236481359	0.864686085	0.947159521
<i>ydeN</i>	0.20864471	0.732317786	0.775713042	0.908884588
<i>yebS</i>	0.208081739	0.668591823	0.755630433	0.896382252
<i>yihY</i>	0.206440686	0.713526935	0.772333213	0.906607941
<i>smrB</i>	0.205912003	0.677674871	0.761241617	0.899359504

<i>cheZ</i>	0.205143555	0.872859893	0.814189633	0.921732693
<i>yfjK</i>	0.204829401	0.661282369	0.756754311	0.896603997
<i>bacA</i>	0.203653932	0.625148951	0.744599397	0.889394801
<i>wbbH</i>	0.203383343	0.731107887	0.780870249	0.910453836
<i>pyrB</i>	0.202931927	1.035486002	0.8446278	0.939917953
<i>qseC</i>	0.202274715	0.894674728	0.821133417	0.925839061
<i>eutM</i>	0.199677618	1.086316903	0.854161277	0.942579924
<i>ccmB</i>	0.198529149	0.934935249	0.831837621	0.932596713
<i>tyrA</i>	0.197177328	0.54757504	0.718778421	0.874823363
<i>ygjJ</i>	0.196353055	1.215275993	0.871643892	0.950159811
<i>yjdL</i>	0.195989688	1.090710924	0.857396058	0.944453268
<i>tsaE</i>	0.195442822	0.73319744	0.789806159	0.913255609
<i>narZ</i>	0.193907289	1.329144097	0.884009142	0.956468768
<i>rnlB</i>	0.193316453	1.188476042	0.870786845	0.949991062
<i>csdE</i>	0.192267569	0.646847628	0.766284961	0.902795476
<i>aldA</i>	0.190391802	0.7898928	0.809527999	0.920826742
<i>pabB</i>	0.189934508	0.656757865	0.772428177	0.906607941
<i>ybaY</i>	0.18898718	0.754065115	0.802104451	0.918717545
<i>ydiU</i>	0.188824405	0.818538229	0.81755961	0.923184599
<i>appC</i>	0.186925373	0.993560095	0.850769291	0.942354837
<i>yjbF</i>	0.186504147	1.244932627	0.880914019	0.955717638
<i>ybiJ</i>	0.185888111	0.850517258	0.826993677	0.929737206
<i>yafE</i>	0.184917362	0.717323609	0.796570587	0.917674669
<i>nohD</i>	0.184868162	1.602598266	0.908163528	0.967399578
<i>mhpA</i>	0.183666632	1.591191959	0.90810662	0.967399578
<i>yfjL</i>	0.183292162	0.645499984	0.776445799	0.90895503
<i>ryfD</i>	0.182710905	1.631459697	0.910829521	0.968763388
<i>hcr</i>	0.181760033	0.979199675	0.852741976	0.942579924
<i>rsd</i>	0.181635059	1.05994066	0.863938014	0.947114201
<i>cyoE</i>	0.18145217	0.916527779	0.843062419	0.939264385
<i>ypdA</i>	0.181206859	0.736889358	0.805753586	0.91948485
<i>ydiI</i>	0.179394784	0.892591491	0.840712683	0.937878156
<i>malX</i>	0.179003031	0.675874324	0.79112762	0.913602398
<i>birA</i>	0.178540924	0.548818861	0.744940037	0.88953959
<i>hyfH</i>	0.175143439	1.146806495	0.878616921	0.954424704
<i>waaR</i>	0.173292459	0.607096175	0.775303373	0.908667209
<i>phoB</i>	0.1727982	0.632293218	0.784631777	0.910993273
<i>creA</i>	0.172686276	0.844388398	0.837954604	0.936347289
<i>dpiB</i>	0.172053225	0.9830617	0.861065704	0.945749218
<i>yciA</i>	0.171273895	0.624455866	0.783871741	0.910993273
<i>yqaE</i>	0.169160245	1.531552544	0.912052363	0.969003707
<i>flhA</i>	0.169129185	1.043589286	0.871254753	0.949991062
<i>fixC</i>	0.168916657	1.277817734	0.894832816	0.961407025
<i>dinD</i>	0.164975384	0.776035074	0.831648695	0.932596713
<i>tag</i>	0.163251548	0.790392388	0.836365265	0.935344768
<i>ydqK</i>	0.162476704	1.054518359	0.877549263	0.953776063
<i>mdfA</i>	0.162115954	0.909391621	0.858512052	0.944479745
<i>alaE</i>	0.161560212	0.896593962	0.85700083	0.944354815
<i>rnhA</i>	0.160152502	0.977941556	0.869916224	0.949991062

<i>cutA</i>	0.15748706	0.88640079	0.858981941	0.944740312
<i>malI</i>	0.156893853	0.845163359	0.852729192	0.942579924
<i>pspF</i>	0.15678518	0.742988868	0.832872012	0.932648078
<i>ycfQ</i>	0.154826415	0.733822582	0.832898064	0.932648078
<i>mltC</i>	0.154113821	0.628902591	0.806416189	0.91948485
<i>betI</i>	0.15231004	1.158542347	0.895405922	0.961407025
<i>etk</i>	0.151798063	0.714242741	0.831693518	0.932596713
<i>stpA</i>	0.151620591	1.070927451	0.887412738	0.957055397
<i>ybiU</i>	0.148744698	1.032636564	0.885466033	0.956482627
<i>paaF</i>	0.148087279	1.317551604	0.910509578	0.968763388
<i>ydaN</i>	0.147115496	0.667857223	0.825653204	0.929003077
<i>glk</i>	0.146822241	0.588598757	0.803017599	0.918717545
<i>sulA</i>	0.146239864	0.748886741	0.845176616	0.940270582
<i>ttdT</i>	0.145777293	1.240783776	0.906473296	0.966555166
<i>ycfJ</i>	0.145552846	0.620857962	0.814644777	0.921781155
<i>ybdD</i>	0.145295355	1.638420257	0.929336108	0.972682993
<i>mgo</i>	0.144632844	1.117533343	0.897024135	0.961537769
<i>wcaL</i>	0.144435792	1.190716436	0.903452164	0.965571317
<i>coaE</i>	0.143981277	0.609759467	0.813333356	0.92122904
<i>creC</i>	0.143480849	1.04263722	0.890545968	0.958903945
<i>wcaH</i>	0.143283262	1.225457278	0.906921641	0.966778946
<i>thiK</i>	0.143268435	0.591352499	0.808569038	0.920008611
<i>yjbR</i>	0.143191213	0.878077767	0.870460566	0.949991062
<i>yjjX</i>	0.142864801	0.611244921	0.815196469	0.922100024
<i>endA</i>	0.142577417	1.020393538	0.888875005	0.958377465
<i>rpiR</i>	0.141729269	0.728689084	0.84578521	0.940689504
<i>degQ</i>	0.140473635	0.584483674	0.810068242	0.921025337
<i>frmB</i>	0.139521245	0.567054836	0.805647073	0.91948485
<i>ygaZ</i>	0.138897351	0.583231441	0.811763714	0.92122904
<i>cysU</i>	0.138697393	1.284850043	0.914036694	0.970330302
<i>ravA</i>	0.138336787	0.590215312	0.814687193	0.921781155
<i>gudP</i>	0.138052698	0.669619206	0.836661263	0.93541775
<i>fliK</i>	0.137569597	0.935624385	0.883104339	0.956224624
<i>rimI</i>	0.1374908	0.721598265	0.848888752	0.94173934
<i>ybiP</i>	0.137412387	0.652900936	0.833305254	0.932694506
<i>mutH</i>	0.135951512	0.703517624	0.846766821	0.941290425
<i>yjhQ</i>	0.135828062	0.573703635	0.812845704	0.92122904
<i>tonB</i>	0.135306501	0.598841422	0.821242541	0.925839061
<i>yidK</i>	0.135124895	1.338176328	0.919568799	0.971244791
<i>cysM</i>	0.134673588	0.795977915	0.865645135	0.947534878
<i>yibH</i>	0.132794726	1.234283208	0.91432209	0.970330302
<i>nhaR</i>	0.131653947	0.733505396	0.857556112	0.944453268
<i>ychQ</i>	0.130430037	1.034219744	0.899641343	0.963578865
<i>aldB</i>	0.130081223	1.075363744	0.90371887	0.965571317
<i>yhjG</i>	0.12831149	1.329172255	0.92309577	0.971283511
<i>ligT</i>	0.128290123	0.805166753	0.873406044	0.951045791
<i>yccU</i>	0.127345671	0.700557107	0.855757173	0.943871671
<i>yceF</i>	0.125955105	0.719049523	0.860946931	0.945749218
<i>glyW</i>	0.123419775	1.934550354	0.949131346	0.978283415

<i>ydiR</i>	0.12316041	1.232708103	0.920415427	0.971271272
<i>hmp</i>	0.122183203	0.819601647	0.881493405	0.955717638
<i>nadB</i>	0.118693027	0.992166081	0.904776095	0.966126825
<i>zitB</i>	0.118382074	0.632729334	0.851584191	0.942546152
<i>xanP</i>	0.117563509	1.045294141	0.910451304	0.968763388
<i>pstB</i>	0.1152656	0.568044554	0.839200315	0.936959963
<i>yqjI</i>	0.114844463	0.617649782	0.852493512	0.942579924
<i>yqjP</i>	0.113595585	0.602242079	0.850389767	0.942191887
<i>epmA</i>	0.112391924	0.636184218	0.859770992	0.944934474
<i>xylA</i>	0.112013075	0.898275359	0.900762698	0.964015834
<i>yfcA</i>	0.111344127	0.628036949	0.859281285	0.944813216
<i>rlmI</i>	0.110307761	0.635111666	0.862115017	0.946175419
<i>pabA</i>	0.11008705	0.692154553	0.873629631	0.951045791
<i>waaQ</i>	0.110069726	0.921093052	0.904880009	0.966126825
<i>pgpB</i>	0.109621233	0.762712175	0.885717188	0.956499062
<i>yifK</i>	0.108527788	0.819454195	0.894636979	0.961407025
<i>malS</i>	0.108342798	0.679091792	0.873242874	0.951045791
<i>eutH</i>	0.107274975	1.29511176	0.933986181	0.974124305
<i>ydfO</i>	0.107088607	1.121322164	0.923916032	0.971283511
<i>flhB</i>	0.105045562	1.132531432	0.926099879	0.971637916
<i>mliC</i>	0.104557442	1.05972962	0.921404844	0.971271272
<i>bioB</i>	0.104386579	1.170003811	0.92890786	0.972682993
<i>yhcM</i>	0.103115825	0.577884548	0.858380011	0.944479745
<i>wecG</i>	0.101919498	0.766219574	0.894180691	0.961285739
<i>modC</i>	0.10039771	0.827805706	0.903467889	0.965571317
<i>sbmA</i>	0.100178549	0.574359495	0.861537086	0.946010657
<i>mscL</i>	0.10010486	0.822041855	0.903076527	0.965571317
<i>yaiA</i>	0.098934598	1.460415481	0.945989307	0.978283415
<i>yajR</i>	0.096952793	1.028396356	0.924890148	0.971287022
<i>creB</i>	0.094174238	0.65210183	0.885171619	0.956468768
<i>phoR</i>	0.09360526	0.915470093	0.918559591	0.970905917
<i>fliP</i>	0.09321859	1.041082291	0.928652704	0.972682993
<i>csgG</i>	0.092929065	0.631515132	0.883011609	0.956224624
<i>yhjY</i>	0.092181226	0.709704448	0.896656003	0.961537769
<i>osmF</i>	0.091758751	0.931309905	0.921514191	0.971271272
<i>dmlR</i>	0.091670149	0.64567204	0.887098699	0.956971295
<i>gltL</i>	0.089284544	0.569071534	0.87532751	0.952600863
<i>hyfR</i>	0.088873128	1.143759027	0.938064572	0.975356187
<i>aslB</i>	0.083979151	0.932982201	0.928278056	0.972682993
<i>yeiI</i>	0.082396424	0.577901864	0.88662302	0.956971295
<i>nanM</i>	0.080538233	0.61304431	0.895479262	0.961407025
<i>ypdB</i>	0.079929835	0.736221561	0.913545431	0.970268058
<i>yniB</i>	0.079876463	0.902764368	0.929495293	0.972682993
<i>coaD</i>	0.077430476	0.616747509	0.900090934	0.96380577
<i>frlR</i>	0.077254462	0.556065501	0.889505063	0.95878232
<i>yccF</i>	0.076342393	0.877842139	0.930698562	0.97318854
<i>frvX</i>	0.076220921	0.946847343	0.93583984	0.974542694
<i>yjdA</i>	0.073130089	1.165187339	0.949955615	0.978283415
<i>galP</i>	0.073025549	0.759476656	0.923399487	0.971283511

<i>alx</i>	0.072869594	0.71167801	0.918446136	0.970905917
<i>purC</i>	0.072319613	0.69956769	0.917663307	0.970573193
<i>ybiV</i>	0.071732661	0.685016809	0.916600655	0.970573193
<i>napH</i>	0.071412739	0.947455977	0.939917824	0.975938366
<i>ascG</i>	0.071281001	0.604072106	0.906067012	0.966555166
<i>yhjC</i>	0.07108635	0.980902826	0.942227617	0.976454219
<i>purT</i>	0.070422319	0.819424256	0.931513145	0.973301901
<i>araG</i>	0.070248488	0.734116412	0.923765822	0.971283511
<i>yegE</i>	0.069342977	0.997604878	0.944584103	0.978044951
<i>tamA</i>	0.069181487	0.728451791	0.924338197	0.971287022
<i>paaE</i>	0.068844509	1.265754555	0.956624371	0.981314575
<i>yhjX</i>	0.068696432	0.622419612	0.912115971	0.969003707
<i>ybaP</i>	0.067787495	0.695887521	0.922399557	0.971271272
<i>yigM</i>	0.066392935	0.841657577	0.93712525	0.974879591
<i>rhtC</i>	0.066043142	0.637789744	0.917526451	0.970573193
<i>phoA</i>	0.065769356	1.049886287	0.950049779	0.978283415
<i>yieE</i>	0.063582787	0.648305184	0.921872426	0.971271272
<i>yqfA</i>	0.062125511	0.956026756	0.948187515	0.978283415
<i>ydiS</i>	0.061901913	1.323735749	0.962702083	0.98316116
<i>fucK</i>	0.061318981	0.571708965	0.914586218	0.970356589
<i>gmd</i>	0.06038585	1.294361541	0.962789789	0.98316116
<i>waaB</i>	0.059491002	0.612393866	0.922611245	0.971271272
<i>caiD</i>	0.05923305	1.196964416	0.960531948	0.98281638
<i>kefG</i>	0.055352957	0.825711375	0.946552495	0.978283415
<i>yiaY</i>	0.054566374	1.16814898	0.962742903	0.98316116
<i>znuC</i>	0.053087148	0.711282159	0.94050445	0.975938366
<i>yiiQ</i>	0.051838048	0.554837054	0.925562499	0.971553258
<i>gspE</i>	0.050332028	1.192558683	0.966335217	0.985292498
<i>cpsB</i>	0.049926884	1.266383537	0.968551729	0.985569455
<i>yigI</i>	0.049544584	1.006881068	0.960755134	0.98281638
<i>cof</i>	0.049196444	0.553409078	0.929163714	0.972682993
<i>nirD</i>	0.048914653	0.773456697	0.949574104	0.978283415
<i>yfbR</i>	0.047982651	0.800331205	0.952192675	0.979743428
<i>yeiW</i>	0.047460678	1.160730305	0.967384678	0.985371227
<i>yedQ</i>	0.046815318	0.686916519	0.94566396	0.978283415
<i>leuT</i>	0.046068524	2.90180999	0.987333485	0.993875244
<i>yifB</i>	0.045712247	1.102671609	0.966932447	0.985371227
<i>sufD</i>	0.043991515	0.875593875	0.959929609	0.982467719
<i>ulaA</i>	0.0428456	1.085358577	0.968510899	0.985569455
<i>trpC</i>	0.042810612	0.728337608	0.953128512	0.98015677
<i>yecH</i>	0.042765902	1.202679784	0.971634126	0.98746672
<i>yfiN</i>	0.041395895	0.629222791	0.947545869	0.978283415
<i>rtcB</i>	0.040939685	1.063437685	0.96929103	0.986074238
<i>yhfX</i>	0.040718938	1.220703994	0.973389955	0.988260175
<i>yeiQ</i>	0.040385346	0.628864885	0.948795505	0.978283415
<i>rstB</i>	0.039319908	0.604499035	0.948137818	0.978283415
<i>mdtK</i>	0.037870584	0.660636903	0.954286821	0.98015677
<i>mscS</i>	0.036656525	0.653097812	0.955240508	0.980887796
<i>cpsG</i>	0.036283001	1.275791428	0.977311539	0.989832706

<i>yfiQ</i>	0.036080465	1.272535564	0.977380444	0.989832706
<i>clsC</i>	0.035949842	0.591185817	0.951510752	0.979411763
<i>lysR</i>	0.035393056	0.864094671	0.967328026	0.985371227
<i>pstC</i>	0.035158313	0.943541902	0.970276057	0.986333786
<i>ytfH</i>	0.034436676	0.794008554	0.965406065	0.984592752
<i>blr</i>	0.034062076	1.690788541	0.983927164	0.992495826
<i>yaaW</i>	0.033399941	1.224610551	0.978241251	0.989962564
<i>barA</i>	0.032480694	0.693598721	0.962649333	0.98316116
<i>yfgO</i>	0.03217224	0.581351177	0.955867231	0.980898446
<i>pyrD</i>	0.03195859	0.573006489	0.955522228	0.980898446
<i>abgR</i>	0.029127299	0.561985764	0.958664751	0.981985466
<i>dgkA</i>	0.028477244	0.994255902	0.977150302	0.989832706
<i>hyfI</i>	0.028405197	1.319497482	0.982825039	0.99195534
<i>fliH</i>	0.028134174	0.950684053	0.976391161	0.989832706
<i>nadC</i>	0.027602726	0.585621327	0.962406361	0.98316116
<i>wecF</i>	0.027230205	0.622825369	0.965127239	0.984556071
<i>mpaA</i>	0.026246474	0.664932178	0.968513752	0.985569455
<i>yhhJ</i>	0.023620786	1.052844257	0.982100791	0.991887545
<i>fucA</i>	0.022809698	0.788086409	0.976909937	0.989832706
<i>yfiP</i>	0.022348868	0.7143377	0.975041345	0.989441205
<i>yidZ</i>	0.021546763	0.848691388	0.979745308	0.99098968
<i>ygfT</i>	0.020529853	1.170473648	0.986005996	0.993088882
<i>ugpB</i>	0.020315071	1.166233901	0.986102049	0.993088882
<i>rluE</i>	0.020247875	0.578621387	0.972085079	0.987677421
<i>dsdX</i>	0.017324292	0.592413881	0.976670338	0.989832706
<i>yghA</i>	0.016644094	1.062455753	0.987501106	0.993875244
<i>yfhL</i>	0.014652204	1.326236831	0.991185187	0.996258166
<i>ycaD</i>	0.014610855	1.000564292	0.988349213	0.993988516
<i>atoC</i>	0.014408506	0.593514997	0.980632005	0.991392057
<i>yihW</i>	0.013280571	0.570867976	0.98143983	0.991467
<i>purF</i>	0.013046651	0.755925639	0.986229857	0.993088882
<i>speC</i>	0.012645408	0.727434417	0.986130616	0.993088882
<i>ycjU</i>	0.012449735	1.421665949	0.993012899	0.997194523
<i>ycbF</i>	0.007858977	0.867722234	0.992773643	0.997194523
<i>ligB</i>	0.007405892	1.083000025	0.994543859	0.997990298
<i>gcl</i>	0.007030973	1.248996675	0.995508495	0.998414441
<i>trg</i>	0.005705678	0.92390092	0.995072585	0.998273759
<i>ydhP</i>	0.005279999	0.662487709	0.993640962	0.997578122
<i>ybhS</i>	0.005092995	0.690310123	0.994113392	0.997805321
<i>ybiR</i>	0.004040084	0.986283761	0.996731659	0.998414441
<i>yafS</i>	0.002745367	0.627855557	0.996511174	0.998414441
<i>yhdN</i>	0.001536305	0.708192768	0.998269125	0.999008709
<i>msyB</i>	-0.000201634	1.002876461	0.999839581	0.999839581
<i>yafK</i>	-0.000955968	1.092984303	0.999302138	0.999795377
<i>leuV</i>	-0.001319192	2.928771224	0.999640613	0.999839581
<i>ykgE</i>	-0.002158978	0.995404344	0.998269433	0.999008709
<i>flgM</i>	-0.002271269	0.636162258	0.997151345	0.998414441
<i>fecI</i>	-0.003106031	0.66802701	0.996290202	0.998414441
<i>moaB</i>	-0.003311482	0.617700471	0.995722574	0.998414441

<i>allC</i>	-0.003549899	1.005484743	0.997183047	0.998414441
<i>mdtE</i>	-0.004439781	1.208513341	0.997068775	0.998414441
<i>bglF</i>	-0.010241034	1.091386468	0.992513153	0.997186697
<i>ydqD</i>	-0.011728983	0.668209621	0.985995571	0.993088882
<i>hcaF</i>	-0.012289971	1.132729887	0.991343227	0.996258166
<i>ybiI</i>	-0.01241639	0.649350472	0.984744383	0.992826095
<i>yjfC</i>	-0.012969147	1.130235848	0.990844694	0.996251089
<i>fliL</i>	-0.014397438	0.548691869	0.979066256	0.990550188
<i>nlpC</i>	-0.016994447	0.804505075	0.983146659	0.99195534
<i>fruK</i>	-0.017794298	0.586456091	0.975794237	0.989832706
<i>eptA</i>	-0.018092985	1.187457293	0.987843306	0.993972887
<i>ygaM</i>	-0.018850201	0.678633164	0.977840236	0.989962564
<i>yraR</i>	-0.0194109	0.773897245	0.979989548	0.99098968
<i>aroH</i>	-0.020625077	0.598816165	0.972523825	0.987875617
<i>ykfG</i>	-0.021180787	0.960794409	0.982411998	0.99195473
<i>tauD</i>	-0.024680532	1.059247417	0.981410921	0.991467
<i>yadE</i>	-0.025256914	0.61752208	0.967375281	0.985371227
<i>soxS</i>	-0.025507448	1.300842267	0.984355755	0.992681152
<i>ecnB</i>	-0.025755075	1.760184941	0.988325748	0.993988516
<i>insA</i>	-0.030193157	1.097512192	0.978052531	0.989962564
<i>btuD</i>	-0.030384258	0.591270363	0.959016271	0.981985466
<i>frmR</i>	-0.030786432	1.070390815	0.977054518	0.989832706
<i>yjhC</i>	-0.03143332	0.587642502	0.957341061	0.981553025
<i>fhuF</i>	-0.033860821	0.629497784	0.957102306	0.981553025
<i>mdtH</i>	-0.034862741	1.072280848	0.974063192	0.988696089
<i>yohF</i>	-0.035824471	1.060617417	0.97305498	0.988167557
<i>narH</i>	-0.038318422	0.747624036	0.959123443	0.981985466
<i>ldcC</i>	-0.039156256	0.823324009	0.962067912	0.98316116
<i>dsbE</i>	-0.039175371	0.563527091	0.944577172	0.978044951
<i>acpH</i>	-0.039749047	0.607302912	0.947814311	0.978283415
<i>fadJ</i>	-0.03988413	0.768938747	0.958633027	0.981985466
<i>clcB</i>	-0.0422299	0.890982675	0.962196825	0.98316116
<i>nudC</i>	-0.042615491	0.568528799	0.940248535	0.975938366
<i>cbrB</i>	-0.043303458	0.745285743	0.953666456	0.98015677
<i>evgS</i>	-0.043831477	0.686417793	0.949085372	0.978283415
<i>pheP</i>	-0.046120836	0.598906964	0.938616904	0.975680238
<i>dkgA</i>	-0.048300552	0.550510899	0.930085167	0.972966762
<i>yfgH</i>	-0.04830174	1.217118707	0.968344009	0.985569455
<i>ugpA</i>	-0.048651707	1.293535886	0.969997512	0.986333786
<i>insQ</i>	-0.049047741	0.599836924	0.934830837	0.974124305
<i>nadR</i>	-0.049437022	0.625006126	0.936954308	0.974879591
<i>yceA</i>	-0.049785284	0.54630038	0.927387942	0.972485959
<i>csiE</i>	-0.050067157	0.76124383	0.947560783	0.978283415
<i>rhaR</i>	-0.050182026	0.724140895	0.944751857	0.978044951
<i>ytfR</i>	-0.05028209	1.097951076	0.963472613	0.983363034
<i>crcB</i>	-0.050766454	0.881772697	0.954088617	0.98015677
<i>yehX</i>	-0.051404231	1.117887635	0.963323512	0.983363034
<i>ypjA</i>	-0.052221283	1.400066573	0.970246489	0.986333786
<i>wzxB</i>	-0.052402137	0.764174402	0.945329088	0.978283415

<i>cho</i>	-0.053635996	0.587346738	0.927239014	0.972485959
<i>yiiX</i>	-0.055571936	0.551694836	0.919765206	0.971244791
<i>betA</i>	-0.056875457	1.296490236	0.965008994	0.984556071
<i>aceK</i>	-0.05702336	1.11510522	0.959216193	0.981985466
<i>murJ</i>	-0.05716638	0.901642624	0.949446011	0.978283415
<i>uspC</i>	-0.058171379	0.958949582	0.951628745	0.979411763
<i>ykgB</i>	-0.058492466	0.917547831	0.94917034	0.978283415
<i>kup</i>	-0.058567378	0.677924781	0.931154689	0.973301901
<i>yrdB</i>	-0.058694977	1.01322341	0.953805216	0.98015677
<i>ppdC</i>	-0.059080898	0.924655575	0.949053808	0.978283415
<i>leuP</i>	-0.059343877	2.800770237	0.983095357	0.99195534
<i>metI</i>	-0.062699513	0.545717876	0.908529427	0.967475255
<i>yfeO</i>	-0.062839097	0.859696502	0.941730908	0.976413581
<i>recN</i>	-0.063844501	0.956750003	0.946796174	0.978283415
<i>carA</i>	-0.064081183	0.748424012	0.93176731	0.973301901
<i>yfaE</i>	-0.064850902	1.263218909	0.959056334	0.981985466
<i>chiA</i>	-0.067606711	0.851876504	0.936744611	0.974879591
<i>yqhC</i>	-0.068629186	0.706686574	0.922635833	0.971271272
<i>tehB</i>	-0.068852615	0.776309489	0.929326513	0.972682993
<i>feaB</i>	-0.069278238	0.85205711	0.935197779	0.974124305
<i>fepC</i>	-0.070000944	0.826790761	0.932527044	0.973566127
<i>dcuS</i>	-0.071095188	0.588744977	0.903883361	0.965571317
<i>trpE</i>	-0.072493796	1.220727606	0.952644882	0.979959997
<i>pyrE</i>	-0.072586615	0.882267031	0.934429751	0.974124305
<i>ygaU</i>	-0.072750753	0.887110535	0.934639821	0.974124305
<i>nrfG</i>	-0.072866356	0.927518504	0.937382174	0.974896699
<i>rseC</i>	-0.072884343	0.769982537	0.924587164	0.971287022
<i>ybcH</i>	-0.072918936	0.975584216	0.940418505	0.975938366
<i>yaaU</i>	-0.072938463	1.263582468	0.953968836	0.98015677
<i>hypA</i>	-0.073648325	0.971177958	0.939551153	0.975938366
<i>dtpD</i>	-0.07527391	0.723063798	0.917086733	0.970573193
<i>narV</i>	-0.076382169	1.182301636	0.948488792	0.978283415
<i>argT</i>	-0.07647503	0.685510292	0.911172866	0.968763388
<i>ascB</i>	-0.07702342	0.808310653	0.924084978	0.971283511
<i>fes</i>	-0.0772232	1.154618421	0.946675635	0.978283415
<i>nanC</i>	-0.078188886	0.632518377	0.901619957	0.964424091
<i>puuD</i>	-0.078244601	0.678709569	0.908219732	0.967399578
<i>patD</i>	-0.079214533	1.119645	0.943596975	0.977598297
<i>eutR</i>	-0.080584214	0.954749979	0.932735646	0.973566127
<i>ygdQ</i>	-0.080584409	0.557511262	0.885071621	0.956468768
<i>waaJ</i>	-0.081152663	0.59142801	0.890861031	0.958988481
<i>yciE</i>	-0.081649975	1.001205102	0.935003214	0.974124305
<i>torR</i>	-0.083041955	0.770978172	0.914225844	0.970330302
<i>hicB</i>	-0.083161316	1.048655088	0.936791756	0.974879591
<i>ykgF</i>	-0.084434569	0.829626064	0.918935866	0.970905917
<i>hscC</i>	-0.084655648	0.967109038	0.930246465	0.972966762
<i>wcaK</i>	-0.084763266	1.029769367	0.934397925	0.974124305
<i>apbE</i>	-0.085170428	0.856593921	0.920797518	0.971271272
<i>actP</i>	-0.085617062	1.148784797	0.940589965	0.975938366

<i>clsB</i>	-0.086364635	1.192224535	0.942251826	0.976454219
<i>aaeB</i>	-0.086372259	1.162862041	0.940791103	0.975938366
<i>tam</i>	-0.086933473	0.877730598	0.921103766	0.971271272
<i>rluF</i>	-0.087855557	0.608592283	0.885217272	0.956468768
<i>yfeR</i>	-0.088600633	1.032772811	0.931634085	0.973301901
<i>allD</i>	-0.089172852	1.17025778	0.93926052	0.975938366
<i>yjeM</i>	-0.089258348	0.617770704	0.885117822	0.956468768
<i>mazG</i>	-0.089595934	0.717289395	0.900595557	0.964015834
<i>ycgN</i>	-0.091596241	0.706028235	0.896776463	0.961537769
<i>mntR</i>	-0.092407866	0.549316865	0.866407653	0.947534878
<i>araC</i>	-0.093369054	0.545859701	0.864184808	0.947114201
<i>ycgV</i>	-0.095740513	1.027742619	0.925779536	0.971553258
<i>yfiM</i>	-0.0961918	1.069201837	0.928314243	0.972682993
<i>yfcL</i>	-0.099129808	1.030415028	0.923358738	0.971283511
<i>xylR</i>	-0.099333308	0.79995707	0.901178063	0.964205824
<i>greB</i>	-0.099864139	0.979363307	0.918781734	0.970905917
<i>ydhK</i>	-0.100168031	0.967496864	0.917539814	0.970573193
<i>ompT</i>	-0.102326085	0.775450423	0.89501833	0.961407025
<i>insF1</i>	-0.103417084	4.420505629	0.98133531	0.991467
<i>rutE</i>	-0.104237162	1.235079839	0.93274071	0.973566127
<i>aaeA</i>	-0.104265352	0.979091229	0.915192027	0.970491363
<i>ybgS</i>	-0.105484922	0.829769123	0.898840967	0.962976025
<i>cusS</i>	-0.106512344	1.006657019	0.915734707	0.970573193
<i>znuB</i>	-0.106854536	0.736348981	0.884620876	0.956468768
<i>uidB</i>	-0.108143134	0.779949155	0.889723504	0.95878232
<i>mngB</i>	-0.108828451	0.732571301	0.881903361	0.955717638
<i>dsrB</i>	-0.109704629	1.494871542	0.941497901	0.976413581
<i>yeaH</i>	-0.109870242	1.04010775	0.915873129	0.970573193
<i>mdaB</i>	-0.111814678	0.824489542	0.89212418	0.959715652
<i>deoR</i>	-0.112470307	0.830273054	0.892246742	0.959715652
<i>dsbG</i>	-0.113306067	0.730409062	0.876721305	0.953339127
<i>dgoD</i>	-0.113328576	1.07897385	0.916349097	0.970573193
<i>ybaN</i>	-0.114241398	0.604510153	0.850107106	0.942136196
<i>ygbN</i>	-0.116514099	1.115547912	0.916815717	0.970573193
<i>ydcI</i>	-0.117362558	0.580872259	0.839881245	0.937208524
<i>proV</i>	-0.117414685	0.556963083	0.833033717	0.932648078
<i>caiE</i>	-0.118472575	1.007797078	0.906419484	0.966555166
<i>wza</i>	-0.118531858	1.25992284	0.925046668	0.971287022
<i>ulaR</i>	-0.119482991	0.545162804	0.826518111	0.929460312
<i>yiaK</i>	-0.120827837	1.202688363	0.919975332	0.971244791
<i>mppA</i>	-0.121688969	0.756377947	0.872184911	0.950363936
<i>ydbH</i>	-0.122761033	0.8914571	0.890470967	0.958903945
<i>waaU</i>	-0.123217337	0.679463377	0.856096728	0.943871671
<i>lpxT</i>	-0.125059951	0.798803961	0.875592415	0.952600863
<i>yghJ</i>	-0.125611169	0.970164881	0.896982563	0.961537769
<i>intD</i>	-0.125932966	0.618082641	0.838550602	0.936755067
<i>narY</i>	-0.12625322	1.216535247	0.917343161	0.970573193
<i>mreD</i>	-0.12706352	0.780677114	0.870706886	0.949991062
<i>nhoA</i>	-0.127563698	0.867230967	0.88305853	0.956224624

<i>pqiA</i>	-0.127719301	0.689757055	0.853099125	0.942579924
<i>ygcS</i>	-0.128836541	1.303446568	0.921262944	0.971271272
<i>mnaT</i>	-0.129179969	0.715471408	0.856719042	0.944300978
<i>nrdE</i>	-0.129191245	1.096104806	0.906175455	0.966555166
<i>yfiC</i>	-0.129224628	0.768463389	0.866457588	0.947534878
<i>yijE</i>	-0.130208312	0.867965321	0.880752331	0.955717638
<i>ugpE</i>	-0.130856428	1.22579064	0.914985194	0.970491363
<i>dhaL</i>	-0.133446804	0.938643846	0.886945889	0.956971295
<i>caiB</i>	-0.133913042	0.772563285	0.862387315	0.946175419
<i>aroD</i>	-0.136714525	0.732301989	0.851902555	0.942579924
<i>ccmE</i>	-0.137454935	0.647039344	0.831766318	0.932596713
<i>hyfA</i>	-0.138265521	1.170916826	0.906001792	0.966555166
<i>potI</i>	-0.139411335	1.218497035	0.908910777	0.967627177
<i>queD</i>	-0.140895302	1.104057047	0.898452898	0.962814711
<i>sxy</i>	-0.142349028	0.70947784	0.840980746	0.937919104
<i>tehA</i>	-0.142373998	0.878092275	0.871195503	0.949991062
<i>sapB</i>	-0.14253609	0.641465498	0.824155213	0.928090343
<i>paaX</i>	-0.144561938	0.633773012	0.819570569	0.92458507
<i>yceJ</i>	-0.148570493	1.092096242	0.891788414	0.959715652
<i>allB</i>	-0.149238433	0.888872639	0.866664856	0.947534878
<i>ykgI</i>	-0.149674336	1.007741974	0.881928881	0.955717638
<i>fryC</i>	-0.150001389	1.350714655	0.91157404	0.968935805
<i>osmC</i>	-0.152926727	0.857329934	0.858428023	0.944479745
<i>ygiV</i>	-0.153216364	0.579025094	0.791309205	0.913602398
<i>yeiB</i>	-0.153602381	0.911543371	0.866183624	0.947534878
<i>cvpA</i>	-0.153954311	0.808228324	0.848930125	0.94173934
<i>wcaC</i>	-0.155427036	1.390191325	0.910979908	0.968763388
<i>sgcQ</i>	-0.160470315	0.804276034	0.841854871	0.938377687
<i>dhaM</i>	-0.162759137	0.723834086	0.822090548	0.926440659
<i>bcsE</i>	-0.163895016	0.860029359	0.848863205	0.94173934
<i>ydjY</i>	-0.164394712	0.575493075	0.775139395	0.908667209
<i>artM</i>	-0.164614993	0.673698228	0.806963406	0.91948485
<i>hyfC</i>	-0.164880907	1.262060691	0.896056777	0.961537769
<i>fliD</i>	-0.167451831	1.156619572	0.884886997	0.956468768
<i>insJ</i>	-0.168214345	1.15779145	0.884482711	0.956468768
<i>yfeA</i>	-0.169077299	0.665174482	0.799352728	0.917982978
<i>yidJ</i>	-0.169437427	1.101875195	0.877789602	0.953781572
<i>purM</i>	-0.169672988	0.607754028	0.780106415	0.909824916
<i>appB</i>	-0.170524833	0.998612443	0.864411087	0.947114201
<i>rihB</i>	-0.170548079	1.132232816	0.880267699	0.955705745
<i>nudJ</i>	-0.173380972	0.955402052	0.85599526	0.943871671
<i>yqcE</i>	-0.173556392	0.856535705	0.839427377	0.936959963
<i>gspL</i>	-0.1798241	1.037131034	0.862347954	0.946175419
<i>caiC</i>	-0.181714532	0.983829006	0.853463298	0.942579924
<i>smrA</i>	-0.182028092	0.655947824	0.781393196	0.910531625
<i>pstS</i>	-0.182563782	0.731042388	0.802795557	0.918717545
<i>modF</i>	-0.182940092	0.793549457	0.817676885	0.923184599
<i>rsxA</i>	-0.184776238	0.657136496	0.778569312	0.909078338
<i>mqsA</i>	-0.185054852	1.005130879	0.853927001	0.942579924

<i>yciH</i>	-0.185694079	1.001693538	0.852930892	0.942579924
<i>shiA</i>	-0.186853189	0.605631765	0.757682065	0.896603997
<i>oppF</i>	-0.189947151	0.611433912	0.756060237	0.896480902
<i>aroL</i>	-0.191059734	0.750519771	0.79905532	0.917982978
<i>yliI</i>	-0.193064231	1.014376429	0.849052119	0.94173934
<i>ykgM</i>	-0.193128386	1.20151275	0.872300002	0.950363936
<i>napB</i>	-0.194105088	0.702857891	0.782420969	0.910861003
<i>paaZ</i>	-0.196282526	1.267280246	0.876912088	0.953339127
<i>gntK</i>	-0.198036546	0.590247837	0.737237215	0.885202119
<i>setA</i>	-0.198173035	0.645801476	0.758947115	0.897490204
<i>oppC</i>	-0.198257128	0.732566294	0.786672772	0.912495399
<i>ygcE</i>	-0.199504217	0.789934693	0.800609896	0.918382466
<i>efeB</i>	-0.200487592	1.044064403	0.847721778	0.94173934
<i>ansP</i>	-0.202118347	0.639713784	0.752039538	0.894612243
<i>dhaR</i>	-0.205047704	0.96435063	0.831617326	0.932596713
<i>feoC</i>	-0.206270955	1.10289431	0.851639505	0.942546152
<i>yhgN</i>	-0.207358385	0.604541072	0.731597468	0.881723797
<i>kbaY</i>	-0.207765765	1.255434829	0.868555904	0.948834717
<i>yhaK</i>	-0.210136044	0.78347925	0.788538587	0.913188139
<i>ecpC</i>	-0.210226184	1.409001635	0.881394062	0.955717638
<i>yabI</i>	-0.211052584	0.786182553	0.788351118	0.913188139
<i>yjtD</i>	-0.212873029	0.554940827	0.701277975	0.864569483
<i>yeeR</i>	-0.214159679	0.746084678	0.774078067	0.908018658
<i>caiT</i>	-0.21437114	1.072610027	0.841590585	0.938341098
<i>ybaZ</i>	-0.21492413	0.767447897	0.779438799	0.909824916
<i>tadA</i>	-0.217986223	0.555622935	0.694816159	0.861638946
<i>yfhH</i>	-0.218859108	0.560270585	0.696069943	0.861638946
<i>yhfZ</i>	-0.22013912	0.799038967	0.782928391	0.910993273
<i>cobU</i>	-0.221586	0.759176575	0.770380852	0.90629502
<i>yfeW</i>	-0.221586224	0.716561748	0.757142505	0.896603997
<i>betT</i>	-0.222219144	1.31294086	0.865597664	0.947534878
<i>rsxD</i>	-0.22237305	0.591959249	0.707172644	0.867961823
<i>pflC</i>	-0.223163364	1.174813681	0.849343305	0.941804639
<i>gfcD</i>	-0.223348647	1.137983633	0.844440118	0.939917953
<i>insL1</i>	-0.224849908	1.38226532	0.870780087	0.949991062
<i>cobS</i>	-0.225965016	0.629009361	0.719415921	0.874823363
<i>glpE</i>	-0.226112628	0.884442442	0.798216813	0.917982978
<i>rbn</i>	-0.228703221	0.571059061	0.688795934	0.857873645
<i>ybhJ</i>	-0.22877025	1.019566823	0.822461749	0.926440659
<i>yeaE</i>	-0.230831438	0.730842399	0.752121697	0.894612243
<i>acrF</i>	-0.231014078	1.106129189	0.834566046	0.933847847
<i>envY</i>	-0.231921957	0.949919129	0.8071153	0.91948485
<i>csiR</i>	-0.232539185	0.864140569	0.787853659	0.913100613
<i>insF1</i>	-0.232552968	1.563991917	0.881796734	0.955717638
<i>yeaQ</i>	-0.233025868	1.185630664	0.844186196	0.939917953
<i>fecE</i>	-0.235422504	0.836025536	0.778252338	0.908982566
<i>insF1</i>	-0.235531191	1.376117937	0.864100904	0.947114201
<i>paaY</i>	-0.23696899	0.646088924	0.713787175	0.872382637
<i>yiiR</i>	-0.237406864	0.697080651	0.733425041	0.882810308

<i>lsrK</i>	-0.237424808	0.88654719	0.788846784	0.913188139
<i>cspF</i>	-0.237859622	1.035425467	0.818308089	0.923558183
<i>yhaO</i>	-0.238479123	0.59780589	0.689949197	0.858884942
<i>yiaJ</i>	-0.238716117	0.698766584	0.732633139	0.882381089
<i>ygdD</i>	-0.240226172	0.619413475	0.698142985	0.862887701
<i>ulaG</i>	-0.240273421	0.935485392	0.797299523	0.917918719
<i>yebQ</i>	-0.241334657	0.856984303	0.778243192	0.908982566
<i>pliG</i>	-0.241470536	0.913003738	0.791410658	0.913602398
<i>yicO</i>	-0.241911817	1.138783304	0.831771529	0.932596713
<i>atoB</i>	-0.243232131	1.029071809	0.813152791	0.92122904
<i>yeaX</i>	-0.244364355	1.088743459	0.822410109	0.926440659
<i>yejB</i>	-0.245763515	0.787469687	0.754970099	0.896236832
<i>chbC</i>	-0.246060047	0.648176667	0.704228405	0.866446724
<i>atoE</i>	-0.246857697	1.213691259	0.838826975	0.936805663
<i>insL1</i>	-0.247108422	1.430754447	0.862877833	0.94645745
<i>dgt</i>	-0.247923894	0.576070387	0.666925907	0.844612647
<i>vsr</i>	-0.247979861	0.91425072	0.786207716	0.912216966
<i>yfcC</i>	-0.249527068	0.798042147	0.754528315	0.895974748
<i>gsiB</i>	-0.25202329	0.751624097	0.73739505	0.885202119
<i>araE</i>	-0.252163826	0.720524928	0.726359424	0.879528407
<i>sgcC</i>	-0.252351357	0.902635995	0.779806226	0.909824916
<i>rhtA</i>	-0.253029907	0.727536022	0.727997741	0.880260709
<i>astE</i>	-0.254309031	1.219437586	0.834802541	0.933854719
<i>yeeJ</i>	-0.255616934	1.034587727	0.804853045	0.91948485
<i>yfgD</i>	-0.255816437	0.84343931	0.761660077	0.899437795
<i>yjgR</i>	-0.256649038	1.051748115	0.807214253	0.91948485
<i>fliN</i>	-0.256960144	0.731982852	0.725553335	0.879340275
<i>ypeC</i>	-0.257555187	0.938847479	0.783830084	0.910993273
<i>lacZ</i>	-0.257636533	0.777035951	0.740219105	0.887549959
<i>paaK</i>	-0.257988714	0.791488141	0.74445917	0.889394801
<i>hycH</i>	-0.259765894	0.871546075	0.765663613	0.902448923
<i>iap</i>	-0.262084395	0.901403083	0.771241299	0.90629502
<i>yeeS</i>	-0.262380904	0.842553674	0.755487812	0.896382252
<i>yfcF</i>	-0.264165294	0.666109936	0.691677851	0.859949516
<i>yadS</i>	-0.265166671	0.771375639	0.731028168	0.881723797
<i>yejA</i>	-0.265502814	0.743450475	0.72100018	0.875654502
<i>oppD</i>	-0.26668569	0.63289769	0.673483087	0.84783718
<i>baeR</i>	-0.266779973	0.573578531	0.641849111	0.832924551
<i>cheA</i>	-0.270216236	1.064168379	0.799555475	0.917982978
<i>yddG</i>	-0.270459449	0.566229122	0.632899201	0.828909368
<i>hofO</i>	-0.271062439	1.149101969	0.813517504	0.92122904
<i>yicN</i>	-0.27119589	0.716357166	0.705002478	0.866664719
<i>dcuD</i>	-0.272218915	1.226779076	0.824393864	0.928101284
<i>tusC</i>	-0.274585965	0.890946584	0.757933374	0.896603997
<i>ybeQ</i>	-0.274664129	0.58905521	0.641015741	0.832453872
<i>trpR</i>	-0.274844088	0.787820326	0.727189566	0.880046843
<i>phoH</i>	-0.276064887	1.102292971	0.802242445	0.918717545
<i>yecM</i>	-0.276591367	0.729975245	0.704758313	0.866664719
<i>btuE</i>	-0.276871434	0.823411789	0.736683066	0.885155053

<i>yfaA</i>	-0.283008084	1.059595779	0.789399397	0.913255609
<i>yddB</i>	-0.28419136	0.708247196	0.688228616	0.857540136
<i>cynS</i>	-0.284794221	1.159420967	0.805964892	0.91948485
<i>paaH</i>	-0.28536803	1.200232174	0.812066709	0.92122904
<i>yeaJ</i>	-0.290313874	0.586025609	0.620321664	0.819681886
<i>insH1</i>	-0.290622638	1.257899351	0.817285227	0.923184599
<i>sapF</i>	-0.290893147	0.622336209	0.640198548	0.832453872
<i>yfiE</i>	-0.293375776	0.586927925	0.617180878	0.81659637
<i>yecE</i>	-0.293880423	0.649945378	0.65115248	0.835568019
<i>hisM</i>	-0.295500742	0.562332447	0.599241782	0.803083036
<i>cmtA</i>	-0.296047864	1.222045607	0.808581816	0.920008611
<i>torZ</i>	-0.297279347	1.112789539	0.789355317	0.913255609
<i>alsE</i>	-0.299431329	0.884136318	0.734857591	0.883485372
<i>rsxE</i>	-0.299633408	0.706346487	0.671418692	0.84716196
<i>rsxG</i>	-0.299954099	0.6871246	0.662448441	0.841524323
<i>waaP</i>	-0.300264924	0.676104494	0.656962889	0.838288833
<i>yqgA</i>	-0.300374896	0.604312818	0.619152381	0.8186705
<i>yggP</i>	-0.301055728	1.173095911	0.797461699	0.917918719
<i>yoaD</i>	-0.30149616	0.867927146	0.72830964	0.880312249
<i>glsA</i>	-0.302633712	0.943808565	0.748474441	0.892380382
<i>narK</i>	-0.305023909	0.970738741	0.75335522	0.895106114
<i>treR</i>	-0.305194408	0.603207135	0.612889705	0.813666378
<i>elaA</i>	-0.305241494	0.543495861	0.574370752	0.790393425
<i>ykfl</i>	-0.30627316	1.072588646	0.775226037	0.908667209
<i>wzyE</i>	-0.30672257	0.939443732	0.744050767	0.889263505
<i>alsC</i>	-0.30703315	1.150842915	0.789631009	0.913255609
<i>ybiO</i>	-0.307034375	1.183215189	0.795255981	0.91668119
<i>astA</i>	-0.307943574	1.266296497	0.807862539	0.919964812
<i>yehP</i>	-0.308943475	1.224054678	0.800736904	0.918382466
<i>gcvA</i>	-0.310866454	0.636879177	0.625472641	0.823001002
<i>ydhX</i>	-0.311569569	0.828310979	0.706805031	0.867961823
<i>sgcE</i>	-0.312078754	0.79776593	0.695656151	0.861638946
<i>mdtL</i>	-0.313723782	1.044538913	0.763912739	0.901026473
<i>rfaH</i>	-0.31376441	0.625998658	0.616214769	0.815584287
<i>trxC</i>	-0.316571224	0.981054928	0.746934188	0.891395702
<i>opgC</i>	-0.318456357	0.553967224	0.565382615	0.786568676
<i>ykfB</i>	-0.319717184	0.916558326	0.727221737	0.880046843
<i>yghR</i>	-0.325540915	1.209841843	0.787870237	0.913100613
<i>mutM</i>	-0.325661132	0.750033851	0.664146665	0.842971377
<i>lsrR</i>	-0.326477516	0.575089596	0.570239693	0.78845253
<i>araH</i>	-0.326673828	0.61055611	0.592620061	0.800235515
<i>ygdB</i>	-0.326843796	1.02883214	0.750724438	0.894076636
<i>tdk</i>	-0.328756604	0.615463955	0.593230416	0.800584589
<i>ybjH</i>	-0.330807766	0.718902303	0.645403693	0.834598588
<i>oxyS</i>	-0.330889946	2.483175215	0.893993488	0.961285739
<i>lsrA</i>	-0.331932804	1.086672849	0.760017431	0.898282993
<i>hyaC</i>	-0.332887907	0.789219576	0.673175547	0.847795485
<i>agaC</i>	-0.333906092	1.277942862	0.793873462	0.915608255
<i>ddpD</i>	-0.335829776	0.926464657	0.716989441	0.874516201

<i>ybbM</i>	-0.338064948	0.802670001	0.673626925	0.84783718
<i>ybjM</i>	-0.338944831	0.993974803	0.733104018	0.882685979
<i>insH1</i>	-0.339748761	1.080114699	0.753104274	0.89507028
<i>yggC</i>	-0.339785651	0.593269968	0.566825077	0.786799618
<i>yhhA</i>	-0.34067532	0.699707776	0.626341755	0.823727421
<i>cadB</i>	-0.346071481	0.93886135	0.712420188	0.8719979
<i>argA</i>	-0.346469918	0.765031136	0.650632689	0.835568019
<i>torD</i>	-0.350350445	0.762015741	0.645682762	0.834693213
<i>ybcJ</i>	-0.350510338	0.869898777	0.686998009	0.856687151
<i>gspO</i>	-0.353152352	0.949781666	0.710023318	0.870010764
<i>ecpB</i>	-0.356765192	1.32185185	0.787238714	0.912890659
<i>speF</i>	-0.357042265	1.118370588	0.74953528	0.893185193
<i>yciW</i>	-0.358099701	0.680728803	0.598851105	0.803067964
<i>focB</i>	-0.360734113	0.793717747	0.649478605	0.835568019
<i>slyX</i>	-0.363405834	1.327235808	0.784233304	0.910993273
<i>yhjV</i>	-0.36384801	0.612165786	0.552270096	0.778019674
<i>cirA</i>	-0.364521117	0.780056882	0.640284765	0.832453872
<i>ygcP</i>	-0.366476887	0.712538554	0.6070243	0.809969492
<i>ycaI</i>	-0.367471948	0.942841411	0.696721806	0.8619195
<i>rclA</i>	-0.367691764	1.123716471	0.743508723	0.888877724
<i>frvR</i>	-0.368894089	1.032791642	0.720955919	0.875654502
<i>wzxC</i>	-0.369499717	1.279267691	0.772706191	0.90667175
<i>insL1</i>	-0.372370693	1.471783624	0.800263259	0.918382466
<i>ydeA</i>	-0.374232098	0.709429984	0.597838801	0.803067964
<i>bluF</i>	-0.374932824	0.562045745	0.504717229	0.744381716
<i>rutG</i>	-0.377282389	1.050301164	0.719435356	0.874823363
<i>yacG</i>	-0.377509262	1.097769815	0.73093093	0.881723797
<i>ydcT</i>	-0.379335417	1.180491342	0.747955103	0.89235138
<i>yibD</i>	-0.379538023	1.031988727	0.71304219	0.8719979
<i>yeaG</i>	-0.380048149	0.639516465	0.552328718	0.778019674
<i>mtr</i>	-0.380836251	0.840588684	0.650506273	0.835568019
<i>ypjK</i>	-0.380975931	1.444779423	0.792017711	0.913866578
<i>ybaV</i>	-0.384122306	0.589932097	0.514962769	0.750686468
<i>mntH</i>	-0.384853837	0.757086765	0.611218302	0.8127195
<i>rhtB</i>	-0.387379767	0.700370298	0.580190092	0.794025658
<i>yicL</i>	-0.387389697	0.559483832	0.488682697	0.734075985
<i>aat</i>	-0.38846326	0.719619722	0.589322955	0.799302528
<i>hisP</i>	-0.389222791	0.581805547	0.503501091	0.743875155
<i>insH1</i>	-0.391678254	2.092143408	0.851492954	0.942546152
<i>ydjZ</i>	-0.392356923	0.910877929	0.666653148	0.844612647
<i>puuR</i>	-0.396285607	0.585286161	0.49835514	0.741338802
<i>insH1</i>	-0.397572402	2.061571179	0.847077052	0.941351526
<i>yibB</i>	-0.397854	0.69543441	0.567258151	0.787017297
<i>ymcE</i>	-0.399086168	1.439598119	0.781610769	0.910531625
<i>yihL</i>	-0.399538788	0.57515564	0.487267125	0.733796777
<i>dhaK</i>	-0.400066393	0.875400833	0.647664303	0.8353901
<i>gfcE</i>	-0.400448221	0.946838026	0.672344781	0.847495718
<i>cdh</i>	-0.400734165	0.698932982	0.566406827	0.786799618
<i>srlA</i>	-0.400804712	0.673241081	0.551618837	0.777560072

<i>yhjA</i>	-0.400842896	0.746758665	0.591421642	0.79991618
<i>bglB</i>	-0.401209267	1.218507284	0.741956968	0.888070136
<i>ydcR</i>	-0.401288708	0.812790525	0.621505876	0.820166358
<i>tyrP</i>	-0.401608679	0.615457543	0.514054958	0.750179195
<i>potE</i>	-0.403294551	0.909207965	0.657355747	0.838288833
<i>yaaH</i>	-0.404465667	0.768659684	0.598752019	0.803067964
<i>ybiY</i>	-0.405724483	1.1058165	0.713693335	0.872382637
<i>ssuE</i>	-0.406818397	1.105905706	0.712977679	0.8719979
<i>metA</i>	-0.40750541	0.743166077	0.58346057	0.79587791
<i>ddpX</i>	-0.407806692	0.969249668	0.673941493	0.847969837
<i>ydcJ</i>	-0.408138233	0.867484536	0.638008737	0.831525666
<i>ydcS</i>	-0.40892575	0.933221626	0.661250604	0.84061146
<i>yiiS</i>	-0.412401443	0.964502959	0.668957483	0.845108643
<i>ygjV</i>	-0.412694917	0.563397049	0.463856318	0.716098063
<i>ycgU</i>	-0.412760033	0.96487691	0.668807535	0.845108643
<i>fhuE</i>	-0.413940531	0.764628964	0.588258575	0.798660503
<i>prpB</i>	-0.415046748	1.393172706	0.765768203	0.902448923
<i>ssuC</i>	-0.415764787	1.287093062	0.746675396	0.891349251
<i>pnuC</i>	-0.416252137	0.56305046	0.459736783	0.712996526
<i>ygqI</i>	-0.417514758	0.715928042	0.559772281	0.783322752
<i>crl</i>	-0.417968239	1.030946576	0.685167474	0.855485032
<i>kduI</i>	-0.419696446	0.7648369	0.58318403	0.795768448
<i>codA</i>	-0.420577879	0.785742551	0.592468919	0.800235515
<i>hcaE</i>	-0.423653992	0.826069571	0.608052683	0.81060361
<i>mhpE</i>	-0.42416303	1.457338951	0.771010703	0.90629502
<i>yidG</i>	-0.424266696	0.648446299	0.512930186	0.749974408
<i>yeaN</i>	-0.425998853	0.807155103	0.597653302	0.803067964
<i>fxsA</i>	-0.42730813	0.87786884	0.62643109	0.823727421
<i>emtA</i>	-0.429103483	0.600864794	0.475138659	0.725503625
<i>yccM</i>	-0.43039615	0.929018778	0.643163424	0.833030199
<i>insH1</i>	-0.43113767	4.419334631	0.922283955	0.971271272
<i>pqqL</i>	-0.431420822	0.707142031	0.541801684	0.769634188
<i>yfiR</i>	-0.43465827	0.714063777	0.542716205	0.770119433
<i>yraK</i>	-0.434722415	0.771691501	0.573205393	0.789593837
<i>yjhX</i>	-0.435389787	1.036323808	0.674391146	0.848009215
<i>cbrA</i>	-0.44027927	1.07358634	0.68173156	0.853796646
<i>yedI</i>	-0.440866159	0.593176649	0.457342976	0.711734519
<i>hofC</i>	-0.442656129	0.923637619	0.631758631	0.828292448
<i>yhfT</i>	-0.444923658	1.091984455	0.683681147	0.855271111
<i>yaaX</i>	-0.444994533	0.745250908	0.550435945	0.77643261
<i>yiaU</i>	-0.445327924	0.729538044	0.541580617	0.769634188
<i>yigE</i>	-0.445650378	0.976886823	0.648250133	0.835484773
<i>mhpD</i>	-0.446492723	1.156421178	0.699423567	0.863943675
<i>yaeR</i>	-0.44709462	0.581953198	0.44232941	0.701566287
<i>yahK</i>	-0.447260666	0.966755266	0.643621683	0.833195635
<i>yiaV</i>	-0.449146738	1.1387315	0.693265626	0.860795972
<i>gspJ</i>	-0.450546589	1.010587317	0.655722591	0.838288833
<i>ygeA</i>	-0.452907963	0.58122933	0.435847653	0.696462904
<i>hdhA</i>	-0.45320822	0.66334256	0.494468489	0.739780307

<i>ylaB</i>	-0.454719967	0.638791445	0.476561276	0.726581201
<i>livK</i>	-0.456747512	1.078149613	0.671828237	0.847414957
<i>ynjD</i>	-0.458175612	0.586371427	0.434582333	0.695263133
<i>yobH</i>	-0.458235855	1.333520738	0.731125619	0.881723797
<i>citT</i>	-0.458599073	1.032992377	0.657077259	0.838288833
<i>waaZ</i>	-0.460744983	0.63596524	0.468770247	0.720119204
<i>gabP</i>	-0.463130029	1.154532983	0.688316627	0.857540136
<i>abgB</i>	-0.463435833	1.026779086	0.65173795	0.835727495
<i>wzb</i>	-0.464040667	1.242768121	0.708856118	0.869238567
<i>gfcC</i>	-0.466024627	1.05448305	0.658528241	0.838465291
<i>otsB</i>	-0.466714845	0.715868934	0.514429739	0.750179195
<i>scpC</i>	-0.469037625	1.030426928	0.648974235	0.835484773
<i>ydiV</i>	-0.470015581	0.74421017	0.527672493	0.7567387
<i>yhaV</i>	-0.472252185	0.862669253	0.584082429	0.796190372
<i>prpR</i>	-0.473227404	1.438695762	0.742210066	0.888110864
<i>yaaY</i>	-0.474068991	1.120839598	0.672325308	0.847495718
<i>otsA</i>	-0.474798445	0.684475485	0.48789071	0.733917973
<i>yiaO</i>	-0.475135975	1.157735463	0.681511697	0.853785049
<i>yicJ</i>	-0.477086953	1.077396301	0.657899747	0.838465291
<i>chpS</i>	-0.478358993	1.131706505	0.672522761	0.847495718
<i>intS</i>	-0.478668894	0.671650941	0.476046835	0.72622959
<i>putP</i>	-0.47960699	0.879960454	0.585731209	0.797370552
<i>yedY</i>	-0.479842203	0.824816403	0.560730791	0.783322752
<i>amyA</i>	-0.482616321	0.832949761	0.562315069	0.784184826
<i>dacD</i>	-0.482760749	0.581267494	0.406238555	0.673575093
<i>ppdB</i>	-0.483482274	0.876000234	0.581002989	0.794025658
<i>rpiB</i>	-0.484154344	0.665247072	0.466747505	0.718100337
<i>acrE</i>	-0.484717002	1.060418699	0.647599431	0.8353901
<i>moaE</i>	-0.484955644	0.641390846	0.449589218	0.706193044
<i>metC</i>	-0.48625798	0.555260088	0.38117677	0.654882068
<i>ybaT</i>	-0.486687652	1.161690912	0.675254408	0.848357316
<i>frlA</i>	-0.487641301	1.209512476	0.686821857	0.856687151
<i>ybgQ</i>	-0.491141113	1.285108085	0.702328719	0.865422682
<i>rutB</i>	-0.491214647	1.289048123	0.703152989	0.865911973
<i>ybdZ</i>	-0.494607878	1.052215449	0.638309786	0.831525666
<i>ydhV</i>	-0.494891583	0.705391361	0.482938376	0.730927125
<i>gspD</i>	-0.495337625	1.066136346	0.642210758	0.833030199
<i>casC</i>	-0.496422544	1.039923413	0.633102572	0.828909368
<i>creD</i>	-0.496852934	0.983288382	0.61335006	0.813666378
<i>chbG</i>	-0.497676347	0.673817167	0.460154443	0.713371363
<i>sfmD</i>	-0.50214249	1.262105821	0.690732763	0.859493745
<i>bioD</i>	-0.502778003	1.070355786	0.638548079	0.831568876
<i>yieL</i>	-0.503174593	1.109509391	0.650180903	0.835568019
<i>srlD</i>	-0.507057281	0.767980422	0.509094908	0.74684004
<i>bluR</i>	-0.508018996	0.619095313	0.41188392	0.678771305
<i>katE</i>	-0.508511811	0.947673895	0.591551235	0.79991618
<i>insH1</i>	-0.50937078	1.801898997	0.777417906	0.908982566
<i>cusC</i>	-0.510575185	1.373688347	0.710129654	0.870010764
<i>gspA</i>	-0.511078299	1.102576239	0.642983779	0.833030199

<i>leuD</i>	-0.512191429	0.631062239	0.417001804	0.683875756
<i>yfjY</i>	-0.512772344	1.138431005	0.652407468	0.835922843
<i>ybbY</i>	-0.51391633	1.153474927	0.655931369	0.838288833
<i>thiB</i>	-0.515347272	0.811242426	0.52526094	0.755815269
<i>yqcC</i>	-0.518379298	0.770397389	0.501028342	0.743473243
<i>rhaS</i>	-0.519891976	0.913476647	0.569264198	0.787912959
<i>ypeA</i>	-0.521367759	0.577766607	0.366852534	0.645121132
<i>xapR</i>	-0.522024776	0.91423123	0.568000574	0.787777738
<i>idnT</i>	-0.524017767	1.067291672	0.623441321	0.821394577
<i>hisQ</i>	-0.524612505	0.62302033	0.399761552	0.666780619
<i>chiQ</i>	-0.524727792	0.952568078	0.581732427	0.794322418
<i>scpB</i>	-0.52596203	0.932836325	0.572869158	0.789593837
<i>yhbQ</i>	-0.528257606	0.643184839	0.411466644	0.678686879
<i>ppsR</i>	-0.528679107	0.570162924	0.353800813	0.633528487
<i>yedZ</i>	-0.529256341	1.027125468	0.606357965	0.809675622
<i>yraJ</i>	-0.529735046	0.962189821	0.581941166	0.794339894
<i>cadA</i>	-0.529945214	0.95014281	0.577012909	0.791871212
<i>yjfF</i>	-0.53202964	0.952421859	0.576429874	0.791653087
<i>mglC</i>	-0.532607042	0.572833078	0.352486537	0.632320079
<i>yjgM</i>	-0.533128575	0.607797704	0.380406225	0.654569964
<i>ydhZ</i>	-0.535874142	1.392212075	0.700305272	0.86432447
<i>insH1</i>	-0.540027374	1.861585993	0.77174743	0.906333743
<i>argO</i>	-0.540027659	0.902050536	0.549395137	0.775504139
<i>fucP</i>	-0.541749613	0.6751115	0.422287227	0.686703737
<i>gsiD</i>	-0.542508095	0.848309686	0.522486942	0.754366262
<i>yedA</i>	-0.542940553	0.940981842	0.563943741	0.785254688
<i>yqiK</i>	-0.544166267	0.891430879	0.541569485	0.769634188
<i>waaS</i>	-0.547706209	0.718431175	0.445842666	0.703834177
<i>ydiQ</i>	-0.547738837	1.135532917	0.629548243	0.826485938
<i>tusA</i>	-0.548126666	0.705812251	0.437400762	0.697582372
<i>mlrA</i>	-0.549060407	0.773115139	0.477584905	0.726905286
<i>kduD</i>	-0.550720147	0.808311978	0.495668225	0.739780307
<i>torC</i>	-0.550973603	1.030203887	0.592774359	0.800235515
<i>ynfM</i>	-0.553133322	0.87549982	0.527523146	0.7567387
<i>yjhF</i>	-0.553153023	1.080216496	0.608597768	0.810996435
<i>ydhI</i>	-0.553292016	1.251228698	0.658345246	0.838465291
<i>tus</i>	-0.55667952	0.606005268	0.358302173	0.636177042
<i>yhcF</i>	-0.55779918	0.88120508	0.526736337	0.756693519
<i>ycbC</i>	-0.558218749	0.683364031	0.414003416	0.680604155
<i>ycgJ</i>	-0.558720488	0.860981691	0.51638089	0.750863748
<i>asnC</i>	-0.560124343	0.691569131	0.417978948	0.684521428
<i>ydhJ</i>	-0.56186341	0.647413556	0.385471755	0.657847271
<i>kdqT</i>	-0.563616157	0.990246929	0.569242619	0.787912959
<i>ycaK</i>	-0.56404528	1.019426685	0.580060355	0.794025658
<i>sad</i>	-0.564650971	0.708876688	0.425716323	0.688805982
<i>mdtJ</i>	-0.565272577	1.017397653	0.578480003	0.793086889
<i>wzc</i>	-0.566610654	1.29855867	0.662591425	0.841524323
<i>yhhM</i>	-0.5676857	0.832223979	0.495156177	0.739780307
<i>ddpC</i>	-0.567822481	0.939078971	0.545405646	0.772562714

<i>mltF</i>	-0.568023562	0.640799247	0.375385955	0.651793399
<i>prpC</i>	-0.569413511	1.454784072	0.695495991	0.861638946
<i>ydhW</i>	-0.570358156	0.707905314	0.420416791	0.685587156
<i>mhpT</i>	-0.572050552	1.604502634	0.721444983	0.875932303
<i>ybjI</i>	-0.573066414	0.61680992	0.35284708	0.632469061
<i>insK</i>	-0.575035016	1.012020274	0.569895752	0.78824885
<i>yafZ</i>	-0.575436253	1.132801046	0.61146986	0.812753708
<i>yqjG</i>	-0.575704944	0.556999655	0.301331512	0.585769243
<i>casA</i>	-0.576160652	1.071612934	0.590813577	0.79991618
<i>feaR</i>	-0.577361982	0.812032892	0.477079203	0.726825579
<i>yddW</i>	-0.577452283	0.797452915	0.468991545	0.720186259
<i>cbpM</i>	-0.578511983	0.686790352	0.399596854	0.666780619
<i>yhbP</i>	-0.578602542	0.726761814	0.425951954	0.688805982
<i>yqbT</i>	-0.579614969	1.045614875	0.579353497	0.794015915
<i>ydcO</i>	-0.581231209	0.855510652	0.49688647	0.740035911
<i>yhgA</i>	-0.585186079	0.788297984	0.45788063	0.712253936
<i>yhdV</i>	-0.585536693	1.314406206	0.655975649	0.838288833
<i>artJ</i>	-0.586613207	0.625969812	0.348693239	0.629388959
<i>hdeA</i>	-0.587073492	0.842721599	0.486028178	0.732560474
<i>mhpR</i>	-0.591538855	1.068012014	0.579668432	0.794025658
<i>yche</i>	-0.593489186	0.597840151	0.320845356	0.608091198
<i>ssrS</i>	-0.594678552	2.553823256	0.815871559	0.92234894
<i>rsxB</i>	-0.596905814	0.632008005	0.34493501	0.626843182
<i>yejE</i>	-0.597027101	0.755123272	0.429156852	0.690456087
<i>yfiP</i>	-0.598527174	1.084730072	0.581102367	0.794025658
<i>mngR</i>	-0.59891246	0.57882233	0.300805005	0.585717334
<i>yghD</i>	-0.600920482	0.856818255	0.483091172	0.730927125
<i>xylF</i>	-0.602574418	1.134657014	0.595375086	0.802143769
<i>ypfN</i>	-0.604481785	1.046080155	0.563362575	0.784867886
<i>sgcA</i>	-0.606431393	0.822229189	0.460790718	0.713811834
<i>bglH</i>	-0.607284482	1.211434182	0.616164346	0.815584287
<i>gadC</i>	-0.608145007	0.957525082	0.525349012	0.755815269
<i>cadC</i>	-0.609040969	0.771476768	0.429850077	0.69083882
<i>yohD</i>	-0.610187014	0.645199036	0.344284001	0.626843182
<i>ttdB</i>	-0.61369906	1.070597113	0.566488546	0.786799618
<i>motB</i>	-0.614379529	0.934515304	0.510903688	0.747996948
<i>ybdK</i>	-0.614688876	0.949059183	0.517190427	0.750963463
<i>yegI</i>	-0.615830004	0.963077492	0.522536915	0.754366262
<i>hyfE</i>	-0.616177566	1.082449458	0.569190749	0.787912959
<i>yehL</i>	-0.616764703	1.183828153	0.602372518	0.805646453
<i>yehD</i>	-0.619252152	0.644479094	0.33662415	0.620658879
<i>ynjF</i>	-0.620707667	0.805794095	0.441118662	0.70101727
<i>yceI</i>	-0.622501996	0.629364408	0.322616037	0.60989259
<i>sfsB</i>	-0.622859654	0.942037	0.508494415	0.74684004
<i>casD</i>	-0.625256564	0.918571133	0.496071537	0.739780307
<i>entH</i>	-0.626558038	0.751579599	0.404475462	0.672067326
<i>yodD</i>	-0.628811392	1.305136459	0.629949855	0.826632681
<i>xylE</i>	-0.62939003	0.875611167	0.472263649	0.723099271
<i>rspA</i>	-0.631864841	0.942092209	0.502409231	0.743875155

<i>mglA</i>	-0.632252816	0.946409283	0.504098915	0.744215951
<i>xapA</i>	-0.633162245	1.166037959	0.587127657	0.798455182
<i>fadK</i>	-0.633286628	1.058961411	0.549822477	0.775837216
<i>ynjH</i>	-0.634517673	1.149818875	0.581057011	0.794025658
<i>ytfQ</i>	-0.635520642	0.746471827	0.39456614	0.664825907
<i>moaD</i>	-0.635545787	0.889176692	0.474758846	0.725196821
<i>gltK</i>	-0.635634536	0.687503326	0.355197506	0.634039006
<i>yfdN</i>	-0.636132897	1.221742196	0.602591893	0.805646453
<i>eamA</i>	-0.636527437	0.627737567	0.310581579	0.597119553
<i>ygbJ</i>	-0.636974659	0.996975408	0.522883374	0.754366262
<i>ydeP</i>	-0.638014949	0.942585134	0.498483492	0.741338802
<i>gspK</i>	-0.638486917	0.89087563	0.473561753	0.724186852
<i>cysH</i>	-0.638960294	0.698754991	0.360492622	0.637903575
<i>uacT</i>	-0.639640472	0.817119893	0.433745272	0.694746477
<i>rcnB</i>	-0.640647393	0.848557168	0.450258365	0.706403796
<i>ecpD</i>	-0.641209648	1.028201178	0.532875365	0.76280958
<i>gnsA</i>	-0.643077194	1.34907873	0.633590881	0.828909368
<i>ygaC</i>	-0.644631218	0.850338442	0.448398409	0.706193044
<i>metF</i>	-0.645337356	0.923765029	0.484805355	0.732265615
<i>ycqB</i>	-0.645872108	0.734145267	0.378988993	0.65374791
<i>rrlE</i>	-0.646211766	2.440733252	0.791193333	0.913602398
<i>yihG</i>	-0.646289124	0.724589073	0.372425725	0.648973612
<i>yjaA</i>	-0.648523111	0.716305362	0.365268128	0.642823404
<i>ydhU</i>	-0.649737764	0.665537275	0.32893538	0.615301461
<i>bdcR</i>	-0.650867578	0.602613724	0.280109109	0.562159567
<i>yhjD</i>	-0.652699052	0.9655774	0.499061207	0.741640078
<i>fliO</i>	-0.653845488	0.96119238	0.496349885	0.739780307
<i>ynbC</i>	-0.654883349	1.08902158	0.547606758	0.774483305
<i>ugd</i>	-0.655927802	0.590094501	0.266325659	0.548341403
<i>yneF</i>	-0.656145965	0.561720962	0.242766639	0.523497849
<i>ygjI</i>	-0.656604907	1.293656948	0.611763908	0.812878034
<i>dadA</i>	-0.657646784	0.896079588	0.463000182	0.715471269
<i>alsA</i>	-0.657762969	1.007500257	0.513842474	0.750179195
<i>nupX</i>	-0.659907189	1.211414512	0.585931641	0.797370552
<i>ybeF</i>	-0.660025896	0.704309728	0.348694524	0.629388959
<i>ddpB</i>	-0.660626376	1.184096176	0.576901645	0.791871212
<i>metW</i>	-0.660713491	1.973163479	0.737738356	0.885202119
<i>yidB</i>	-0.66244593	0.879349182	0.451247665	0.707408366
<i>ykgG</i>	-0.663005788	0.605228898	0.273313902	0.556688785
<i>pitB</i>	-0.66479837	1.183128923	0.574185174	0.790393425
<i>yphH</i>	-0.667041275	0.826309799	0.419520589	0.685228231
<i>yiaT</i>	-0.667563682	1.039231021	0.520637439	0.75321007
<i>yadC</i>	-0.668485432	1.146285393	0.559775236	0.783322752
<i>yafC</i>	-0.669827216	0.54775017	0.221378825	0.505332069
<i>yadD</i>	-0.670128134	0.849026204	0.429942364	0.69083882
<i>yjfJ</i>	-0.670568998	1.179916506	0.569818363	0.78824885
<i>sufB</i>	-0.671047799	0.97321305	0.490497426	0.73592767
<i>ycjM</i>	-0.671730508	1.21792809	0.581266677	0.794025658
<i>frvA</i>	-0.672826537	1.11916709	0.547716733	0.774483305

<i>cysC</i>	-0.675678288	0.935496724	0.47013042	0.721388616
<i>ybjK</i>	-0.676262993	0.68156001	0.321086269	0.608263428
<i>ygcB</i>	-0.676636302	0.919818955	0.461962595	0.714535048
<i>lsrB</i>	-0.68045269	1.003621872	0.49777355	0.741084822
<i>yciU</i>	-0.681232751	0.885745613	0.441830062	0.701488916
<i>pspA</i>	-0.68157677	0.710153588	0.337176186	0.620759427
<i>ycjN</i>	-0.685214292	1.072137463	0.522751061	0.754366262
<i>ydiO</i>	-0.685889253	0.947647814	0.469200344	0.720234077
<i>yddH</i>	-0.686016288	0.674052621	0.30879732	0.595583075
<i>insH1</i>	-0.688773811	1.484148466	0.642585511	0.833030199
<i>gadB</i>	-0.68935486	1.203269762	0.566711497	0.786799618
<i>elfG</i>	-0.689612468	0.733856367	0.347366123	0.628109841
<i>cobC</i>	-0.690040655	0.552289445	0.211512042	0.495360959
<i>puuP</i>	-0.691450314	0.974592608	0.478028982	0.726905286
<i>ychO</i>	-0.691905761	0.675779089	0.3058996	0.591434224
<i>ydcN</i>	-0.692005021	0.79083454	0.381556844	0.654882068
<i>yfgF</i>	-0.692722025	1.035271351	0.503418157	0.743875155
<i>fdnI</i>	-0.695658139	0.567515017	0.220275121	0.50480234
<i>ydjJ</i>	-0.697523583	1.07869712	0.517868038	0.751602485
<i>chiP</i>	-0.69982323	0.893389738	0.43343056	0.694746477
<i>tynA</i>	-0.699989312	0.920638708	0.4470573	0.704961613
<i>xylG</i>	-0.70040005	1.027182657	0.495324228	0.739780307
<i>ylbA</i>	-0.703201944	0.613193858	0.251470203	0.531799793
<i>alsB</i>	-0.703439229	0.584558381	0.228833694	0.513487682
<i>yjaZ</i>	-0.704950992	0.603146639	0.242488764	0.52345551
<i>sgcB</i>	-0.705152788	0.812679497	0.385564793	0.657847271
<i>setB</i>	-0.707168672	0.779041517	0.36401457	0.641370025
<i>ybiX</i>	-0.709902447	0.632004447	0.261329014	0.543017849
<i>rhaT</i>	-0.710497453	1.055089147	0.500692595	0.743473243
<i>ydcV</i>	-0.710908469	1.061750427	0.503136607	0.743875155
<i>yhdY</i>	-0.712352109	1.096705418	0.515990537	0.750820131
<i>ynbD</i>	-0.71327914	0.982614983	0.467900748	0.719328643
<i>yedP</i>	-0.71593902	0.807989089	0.375577055	0.651793399
<i>elfC</i>	-0.716201511	1.085467992	0.509376431	0.74684004
<i>ybhD</i>	-0.717604728	1.141806547	0.529688312	0.759051402
<i>glvV</i>	-0.718190217	4.593697712	0.875763053	0.952600863
<i>ypdC</i>	-0.719187706	0.816533185	0.378435841	0.65374791
<i>yahI</i>	-0.720408387	1.289745706	0.576457798	0.791653087
<i>yaeI</i>	-0.721523185	0.773631764	0.351003699	0.63145218
<i>nlpA</i>	-0.722577072	1.115285376	0.517059098	0.750963463
<i>ybjG</i>	-0.72369308	0.544010018	0.183421534	0.472775241
<i>ydbD</i>	-0.724660919	1.065959784	0.496618359	0.739908426
<i>yihF</i>	-0.725742089	0.994131115	0.465373968	0.717094577
<i>ydjK</i>	-0.728296794	1.147529352	0.525646881	0.755815269
<i>glxR</i>	-0.728477452	1.232242922	0.554399778	0.779853122
<i>ygbL</i>	-0.730426764	0.82942745	0.378512849	0.65374791
<i>yjfZ</i>	-0.731239882	0.907488203	0.420367146	0.685587156
<i>ydfI</i>	-0.732064899	0.8639198	0.396785581	0.66524762
<i>tqsA</i>	-0.732971732	0.625058782	0.240938404	0.52345551

<i>yeaI</i>	-0.733740246	0.880926696	0.404890629	0.672067326
<i>yhbX</i>	-0.73545818	0.998385128	0.461336576	0.713839114
<i>pppA</i>	-0.735762377	0.947946766	0.43765202	0.697696143
<i>ybhN</i>	-0.739071015	1.082107142	0.494611609	0.739780307
<i>rarD</i>	-0.739110142	0.699845173	0.290920145	0.5746692
<i>yfaP</i>	-0.7407521	0.920269039	0.420860112	0.685857636
<i>yhdZ</i>	-0.743823841	0.919737458	0.418667612	0.684938861
<i>yafX</i>	-0.745181005	0.580096475	0.198938684	0.485231275
<i>srlB</i>	-0.745474211	0.799545491	0.351144063	0.63145218
<i>ycjW</i>	-0.747845185	0.688640494	0.277490808	0.561506402
<i>erfK</i>	-0.747922455	0.58062624	0.197700488	0.485231275
<i>yidP</i>	-0.750131933	0.982654042	0.445240754	0.703431806
<i>yjcC</i>	-0.750541082	1.093485691	0.492476757	0.738525346
<i>insD1</i>	-0.756038035	1.703758728	0.657225421	0.838288833
<i>nei</i>	-0.756982825	0.64170282	0.23814063	0.520998895
<i>aceB</i>	-0.757350607	0.954611765	0.42756822	0.689757885
<i>eamB</i>	-0.762441047	0.661436891	0.249031839	0.528408773
<i>yjaB</i>	-0.764126214	0.739418391	0.30140963	0.585769243
<i>gspF</i>	-0.766396016	1.007529773	0.44685518	0.704961613
<i>yehI</i>	-0.766908132	1.205281874	0.524587785	0.755480952
<i>ybbL</i>	-0.773337603	0.620028947	0.212302003	0.495978403
<i>yhhT</i>	-0.776300472	0.748092191	0.299406505	0.583554793
<i>chbF</i>	-0.777307164	0.839534141	0.354508784	0.633836756
<i>allS</i>	-0.777479553	1.039008159	0.454285175	0.709130947
<i>hydN</i>	-0.778297347	0.963681443	0.419304028	0.685150556
<i>ycbV</i>	-0.779347892	0.847808948	0.357965122	0.636177042
<i>psrO</i>	-0.780688377	1.820417248	0.668031414	0.844991997
<i>ydcZ</i>	-0.783092296	0.62436658	0.209762492	0.493398174
<i>cynT</i>	-0.784098898	1.183214557	0.507532124	0.746201681
<i>ydaS</i>	-0.784414946	0.901540682	0.384255214	0.65700997
<i>insD1</i>	-0.784687036	1.776881177	0.658772041	0.838512357
<i>hyfJ</i>	-0.784754404	0.911619341	0.389328582	0.660043224
<i>yfdV</i>	-0.786322853	1.186633667	0.50755471	0.746201681
<i>ydhS</i>	-0.787270637	0.982228578	0.422833741	0.687146297
<i>lsrC</i>	-0.787302996	1.126616264	0.484663963	0.732265615
<i>ynfL</i>	-0.787390178	0.829490347	0.342495643	0.625712378
<i>yccT</i>	-0.789105274	1.079283798	0.464694936	0.716846754
<i>ttdR</i>	-0.789535123	0.928313756	0.395044602	0.664992388
<i>ydhT</i>	-0.792370627	0.831972475	0.340894133	0.625049668
<i>ydcX</i>	-0.793323436	1.214156976	0.513502012	0.750179195
<i>lsrF</i>	-0.793882891	0.934946251	0.395813731	0.664992388
<i>yfjH</i>	-0.794597416	0.745616379	0.286562891	0.570400668
<i>insD1</i>	-0.794695804	1.796819831	0.658287275	0.838465291
<i>treA</i>	-0.796941356	1.04480571	0.445603485	0.70373063
<i>ygaP</i>	-0.802351126	0.589841784	0.173740721	0.463147989
<i>yjhB</i>	-0.803311148	0.682442231	0.239150684	0.521806712
<i>glyX</i>	-0.803765346	2.908658441	0.782290455	0.910861003
<i>motA</i>	-0.803977862	0.911008257	0.377498722	0.65317107
<i>ydfV</i>	-0.804345918	0.915822877	0.379793563	0.654070987

<i>yfaT</i>	-0.804537564	1.005159373	0.42347447	0.687464692
<i>ybaQ</i>	-0.805893124	1.072766867	0.452515106	0.708213692
<i>idnD</i>	-0.806047047	0.86338606	0.350516349	0.63145218
<i>sbp</i>	-0.809573993	0.827005619	0.327618522	0.61460689
<i>ynfC</i>	-0.809873479	0.67134419	0.227684051	0.511998543
<i>osmY</i>	-0.815133049	0.639732987	0.2026007	0.486866174
<i>yfbP</i>	-0.817788453	0.564385326	0.147340495	0.4313125
<i>yihN</i>	-0.818653561	0.927291832	0.377320837	0.653142047
<i>yfdQ</i>	-0.820174012	0.926891058	0.376229123	0.652087587
<i>yneJ</i>	-0.821879379	0.757147338	0.277702635	0.561506402
<i>gmr</i>	-0.822477028	0.915818653	0.369143709	0.64755889
<i>efeO</i>	-0.823519455	0.871631035	0.344759555	0.626843182
<i>ydiB</i>	-0.824497719	0.652150396	0.206131187	0.489461478
<i>yigZ</i>	-0.824919533	0.963372257	0.391841121	0.66216086
<i>yaeF</i>	-0.826949988	0.783180954	0.291020194	0.5746692
<i>yaiP</i>	-0.827751551	1.193200632	0.487855503	0.733917973
<i>yeaW</i>	-0.827905826	1.004776686	0.409956616	0.677799396
<i>pgaA</i>	-0.828271882	0.94002728	0.378255726	0.65374791
<i>yhhZ</i>	-0.834566646	1.145534676	0.466283726	0.717666444
<i>yohC</i>	-0.838233554	0.750647438	0.264130846	0.545762716
<i>ytfI</i>	-0.843213735	1.087385942	0.438073634	0.698093754
<i>ygbM</i>	-0.843443206	0.857093929	0.3250795	0.612394188
<i>yadN</i>	-0.84427468	1.160620092	0.466960046	0.71815479
<i>nudG</i>	-0.844827282	0.651624359	0.194805235	0.48257161
<i>ydjE</i>	-0.846801683	1.154064088	0.463097338	0.715471269
<i>fliS</i>	-0.850736898	0.828699919	0.304612514	0.590295953
<i>yieH</i>	-0.852820422	0.644370789	0.185671383	0.473701881
<i>ycfT</i>	-0.85377048	0.975695643	0.381553388	0.654882068
<i>umuC</i>	-0.85493549	0.995877897	0.390630666	0.661494034
<i>ycaM</i>	-0.855634646	0.720753287	0.235172628	0.518992833
<i>frc</i>	-0.856292279	1.143295512	0.453876216	0.709031176
<i>djlB</i>	-0.857795044	1.238073638	0.488405858	0.734075985
<i>idnO</i>	-0.860552294	0.94748502	0.363746696	0.641370025
<i>pspB</i>	-0.863006817	1.089028017	0.428094821	0.690332699
<i>djlC</i>	-0.86494426	1.054736024	0.41218329	0.678988645
<i>oxc</i>	-0.866123071	1.156819951	0.454031804	0.709031176
<i>bfr</i>	-0.869767466	0.686953406	0.205469071	0.489461478
<i>yihO</i>	-0.871593605	1.130057664	0.440539552	0.70082364
<i>yebF</i>	-0.873606684	0.99649748	0.38066196	0.65473211
<i>nadA</i>	-0.87586081	0.584881592	0.134262927	0.418122342
<i>ogrK</i>	-0.876101121	1.546717373	0.571104143	0.788843678
<i>murR</i>	-0.87696025	0.821034835	0.285468296	0.569812147
<i>yfcR</i>	-0.880119316	0.982412655	0.370319321	0.648498717
<i>mhpF</i>	-0.881990824	1.144249937	0.440823947	0.70082364
<i>dinB</i>	-0.882930405	0.999721681	0.377141073	0.653142047
<i>yhcG</i>	-0.88599285	0.612675547	0.148147901	0.4313125
<i>ybaM</i>	-0.88738581	1.44681525	0.539653311	0.768712061
<i>ycaL</i>	-0.889269599	0.788905012	0.259649428	0.541192175
<i>yiiG</i>	-0.88935236	1.055393001	0.399410729	0.666780619

<i>stfQ</i>	-0.892020213	0.944535419	0.344964761	0.626843182
<i>insH1</i>	-0.89351674	1.357276625	0.510335183	0.747434549
<i>yehA</i>	-0.894809135	1.11319013	0.421498528	0.68597151
<i>xapB</i>	-0.895210421	1.00204269	0.371650759	0.648608662
<i>gltU</i>	-0.895988357	2.47370449	0.717198776	0.874516201
<i>fadM</i>	-0.897238426	0.586465362	0.126039344	0.409405752
<i>ycjZ</i>	-0.898608441	0.645636634	0.163977634	0.450994116
<i>yijF</i>	-0.898686391	0.932252883	0.335048823	0.620079601
<i>lsrD</i>	-0.900512725	1.002446877	0.369017819	0.64755889
<i>yddA</i>	-0.90570742	0.716221323	0.206027806	0.489461478
<i>ppdD</i>	-0.913498417	0.927750427	0.324801868	0.612155637
<i>idnR</i>	-0.914754266	0.790890249	0.247430342	0.527105941
<i>ybdO</i>	-0.915232308	0.917383597	0.318446694	0.606095258
<i>leuE</i>	-0.920274664	0.630923152	0.144670801	0.429666981
<i>yfhR</i>	-0.923526711	0.954133944	0.3330836	0.618562032
<i>nemR</i>	-0.923569473	0.636441441	0.1467392	0.4313125
<i>yeeY</i>	-0.924918294	0.615099156	0.132661271	0.416330989
<i>sibC</i>	-0.925587172	1.520625389	0.542730937	0.770119433
<i>ilvH</i>	-0.926846216	0.614326813	0.131370741	0.414456796
<i>yodC</i>	-0.929171958	1.079582524	0.389415908	0.660043224
<i>ssuA</i>	-0.931278552	1.063229092	0.381086348	0.654882068
<i>wcaM</i>	-0.934364582	0.920628813	0.310143971	0.597119553
<i>yqeI</i>	-0.935643341	0.564526539	0.097439685	0.390380788
<i>yeaM</i>	-0.936857491	0.770500581	0.224020133	0.508788564
<i>yjfK</i>	-0.937174031	1.17315256	0.424376846	0.687894336
<i>yfeS</i>	-0.93808881	0.565750622	0.097290969	0.390380788
<i>ycjY</i>	-0.939338435	0.720134104	0.19209936	0.48030403
<i>yeeE</i>	-0.940754888	1.111444567	0.397315486	0.665860678
<i>yeeO</i>	-0.942167602	1.020345428	0.355808679	0.634177488
<i>yafJ</i>	-0.943961373	0.743533481	0.204240923	0.487965088
<i>ecpE</i>	-0.945555074	0.739851811	0.20123777	0.485802033
<i>yghQ</i>	-0.95327983	1.002271942	0.341544	0.625712378
<i>ydiE</i>	-0.955011414	1.547447003	0.537133875	0.766803996
<i>folK</i>	-0.955710972	0.609432317	0.116834766	0.404381925
<i>agaI</i>	-0.955746854	1.001529904	0.339938444	0.62357939
<i>yjdK</i>	-0.958222482	0.921759725	0.298545406	0.582436515
<i>quuQ</i>	-0.960078687	0.704508963	0.172957243	0.462863982
<i>dgoT</i>	-0.962022104	1.131887064	0.395365316	0.664992388
<i>yibA</i>	-0.964172836	0.758336213	0.203575048	0.487965088
<i>holE</i>	-0.965751282	1.159820441	0.405029119	0.672067326
<i>yjeT</i>	-0.970476273	1.085983425	0.371515501	0.648608662
<i>recE</i>	-0.973162762	1.210478924	0.421426696	0.68597151
<i>blc</i>	-0.975380478	0.652101885	0.134719182	0.418506946
<i>pspD</i>	-0.977193686	0.813975415	0.229937488	0.514905463
<i>dosP</i>	-0.980730094	1.112257194	0.377913323	0.653609475
<i>uidC</i>	-0.981686617	0.981014565	0.316979093	0.604152912
<i>htrE</i>	-0.982690863	1.167633604	0.400006892	0.666787804
<i>fixX</i>	-0.984719106	1.216062171	0.418077842	0.684521428
<i>yjfM</i>	-0.984784114	1.110390295	0.375142944	0.651793399

<i>frwD</i>	-0.987305261	1.024341937	0.335124421	0.620079601
<i>gatD</i>	-0.9936721	1.1594812	0.391446452	0.661769773
<i>insB1</i>	-0.994271543	1.524600212	0.514302924	0.750179195
<i>yccX</i>	-0.99555715	0.679386442	0.142818136	0.427567449
<i>yncG</i>	-0.997340423	1.042273986	0.338623327	0.623140702
<i>mutT</i>	-1.000417162	0.810870715	0.217293585	0.500762051
<i>cysD</i>	-1.000563371	1.088431556	0.357953936	0.636177042
<i>chbA</i>	-1.0006947	0.737227259	0.174661722	0.464923585
<i>ybdR</i>	-1.000769507	0.889923325	0.260776803	0.542148286
<i>yieK</i>	-1.000948671	1.119935419	0.371452613	0.648608662
<i>atoA</i>	-1.002847362	1.3332621	0.451945401	0.707954658
<i>yhjH</i>	-1.003376723	1.039758749	0.334540221	0.619847375
<i>ybbW</i>	-1.005331412	1.164060571	0.387784673	0.659152648
<i>yqiI</i>	-1.008008184	0.782441527	0.19764655	0.485231275
<i>eutP</i>	-1.008099244	0.789141715	0.201438879	0.485802033
<i>yfeN</i>	-1.009467069	0.863149519	0.242195847	0.52345551
<i>yhiD</i>	-1.009651083	1.169830598	0.388096448	0.65940612
<i>citC</i>	-1.010637275	0.898169339	0.260496211	0.54191833
<i>ydiY</i>	-1.013424073	0.579947409	0.080560813	0.37803293
<i>ydjL</i>	-1.0148984	1.049324647	0.333448062	0.618672057
<i>ompN</i>	-1.015013073	1.098158347	0.355337104	0.634039006
<i>aroM</i>	-1.015185417	0.626010611	0.104873071	0.396303494
<i>etp</i>	-1.015554218	0.703341625	0.148767408	0.4313125
<i>yiaC</i>	-1.018734886	0.628017	0.10477222	0.396303494
<i>nac</i>	-1.022235919	1.049208248	0.329911236	0.61580782
<i>torY</i>	-1.024120474	0.977072664	0.294568672	0.578856712
<i>ybdN</i>	-1.027773633	1.112589068	0.355607374	0.634177488
<i>yfeK</i>	-1.029780026	0.801662504	0.198947637	0.485231275
<i>yhaC</i>	-1.03204254	1.163214309	0.374953275	0.651793399
<i>yfbN</i>	-1.032664244	1.03647097	0.319091181	0.606705216
<i>leuO</i>	-1.032813289	0.868270883	0.234240673	0.517780307
<i>ydcU</i>	-1.035264488	1.098693334	0.34605502	0.627418179
<i>nth</i>	-1.035408091	0.593270295	0.08094045	0.37803293
<i>cbrC</i>	-1.035871264	0.708423374	0.143680763	0.42798076
<i>ppdA</i>	-1.037440443	0.715086662	0.146838398	0.4313125
<i>ydiZ</i>	-1.037982911	0.911216119	0.254653836	0.534627992
<i>yjgN</i>	-1.040962592	1.146806086	0.364033653	0.641370025
<i>sgcR</i>	-1.041254798	0.823256856	0.205943238	0.489461478
<i>cynR</i>	-1.044284585	0.881570636	0.236186402	0.519106803
<i>ydcK</i>	-1.046372957	0.840877891	0.213359159	0.49681679
<i>ulaC</i>	-1.056834233	0.894289639	0.237301605	0.519997013
<i>ybfC</i>	-1.059974422	0.765640751	0.166227469	0.453730509
<i>yfcQ</i>	-1.060024213	0.762487753	0.164462683	0.451715257
<i>yajI</i>	-1.060696346	0.72775171	0.144979083	0.429756275
<i>kch</i>	-1.062746205	0.731978065	0.146534256	0.4310957
<i>pspC</i>	-1.064540653	0.776351216	0.170309461	0.46076355
<i>ygfI</i>	-1.064965409	0.567235223	0.060454117	0.36375562
<i>ynbE</i>	-1.0680233	1.657157516	0.519257015	0.752078578
<i>adiY</i>	-1.068089452	0.960382826	0.2660738	0.548164829

<i>yjhI</i>	-1.068818094	0.836638366	0.201420475	0.485802033
<i>yjeJ</i>	-1.073470644	0.660768867	0.104252482	0.396303494
<i>yfiL</i>	-1.077930179	0.942241791	0.252621185	0.532458247
<i>ccmD</i>	-1.078560027	0.832125107	0.194923369	0.48257161
<i>ybaK</i>	-1.079797706	0.778776858	0.165585037	0.453568742
<i>pphB</i>	-1.079923339	0.951414806	0.256345578	0.536512635
<i>yfcP</i>	-1.081174918	1.062813813	0.30902218	0.595708949
<i>yfcI</i>	-1.08269245	0.701762539	0.122874743	0.409386299
<i>yghS</i>	-1.086287689	1.101061532	0.323847509	0.611209405
<i>pagP</i>	-1.090722201	0.677023683	0.107167796	0.396303494
<i>hdeB</i>	-1.097758623	0.643426828	0.087987116	0.383960999
<i>yhdT</i>	-1.102065721	0.830289444	0.184400487	0.472916736
<i>ygjQ</i>	-1.102796459	0.886549319	0.213528995	0.496926834
<i>mmuP</i>	-1.10296293	1.457242513	0.449119614	0.706193044
<i>yfbK</i>	-1.105052327	1.067488873	0.300580835	0.585562088
<i>cysP</i>	-1.106447979	0.81344419	0.173766179	0.463147989
<i>gadX</i>	-1.107864589	0.751822171	0.14059669	0.426950547
<i>weeH</i>	-1.11027179	0.897919766	0.216275248	0.49987449
<i>insB1</i>	-1.115236299	0.911570271	0.221169862	0.505144582
<i>ecpA</i>	-1.116897297	0.663408822	0.092264186	0.387027055
<i>dsdC</i>	-1.11704845	0.732620504	0.12732646	0.409405752
<i>ydeE</i>	-1.119144328	0.850822644	0.188386473	0.476558741
<i>yliF</i>	-1.119302241	1.021104675	0.273005273	0.556688785
<i>yhaH</i>	-1.11968158	0.650528076	0.085216586	0.382674906
<i>yecR</i>	-1.120378263	1.035127439	0.27909357	0.561943644
<i>yehE</i>	-1.120389732	1.075697551	0.297621677	0.582202085
<i>setC</i>	-1.121877681	1.106095234	0.310454596	0.597119553
<i>yqjF</i>	-1.122920482	0.611955431	0.066509983	0.367589495
<i>hcaC</i>	-1.123778481	0.681339321	0.099072504	0.393168651
<i>yaiL</i>	-1.125468909	0.738105343	0.127307002	0.409405752
<i>hyaE</i>	-1.126023878	0.85563637	0.188171526	0.476558741
<i>gadW</i>	-1.126585916	0.71682265	0.116034464	0.403550127
<i>yjgL</i>	-1.126961409	0.840398431	0.179925431	0.46975269
<i>hcaR</i>	-1.1272159	0.562018449	0.04489292	0.346511754
<i>ymiA</i>	-1.127492175	1.615470391	0.485218291	0.732515133
<i>ydfU</i>	-1.13016246	1.018261368	0.267044589	0.549263705
<i>lsrG</i>	-1.130436059	0.986971809	0.252060888	0.532458247
<i>ybhI</i>	-1.131909436	1.164715214	0.331133313	0.616918405
<i>ddpA</i>	-1.132156758	0.943815263	0.230312854	0.514941258
<i>cbtA</i>	-1.134293103	0.668745225	0.089857225	0.38548274
<i>yfbL</i>	-1.135643702	1.0520756	0.280395347	0.562455585
<i>rutR</i>	-1.136510399	0.764957778	0.137354122	0.423017114
<i>ynaI</i>	-1.144440428	0.630090373	0.069322593	0.367589495
<i>flgN</i>	-1.145714264	0.873995886	0.189894235	0.47904868
<i>ykgD</i>	-1.146591444	0.608426452	0.059494755	0.36375562
<i>yfdE</i>	-1.14671377	1.075971389	0.286537819	0.570400668
<i>ydaM</i>	-1.150824845	0.79061389	0.145500685	0.430240539
<i>fliJ</i>	-1.15587264	0.740068651	0.118324471	0.405691946
<i>ompG</i>	-1.156222332	1.220580609	0.343499987	0.626612068

<i>yhiJ</i>	-1.156434	0.99980696	0.247412409	0.527105941
<i>ycaP</i>	-1.158909553	0.577773849	0.044875602	0.346511754
<i>ybeR</i>	-1.159616955	1.073129623	0.279877951	0.562128506
<i>yihR</i>	-1.160139738	1.066142555	0.276521973	0.560426315
<i>hipA</i>	-1.164967799	0.875398817	0.183259696	0.472775241
<i>yedV</i>	-1.166435472	0.829232116	0.159532588	0.443535602
<i>yeiL</i>	-1.166787165	0.977664008	0.232695563	0.516947839
<i>dkgB</i>	-1.167503687	0.721675223	0.105712425	0.396303494
<i>ydH</i>	-1.169190928	0.558312038	0.036246337	0.328323548
<i>entD</i>	-1.173715496	0.597515396	0.049492208	0.357424257
<i>psuT</i>	-1.176499967	1.010185689	0.244165825	0.524806542
<i>bglJ</i>	-1.176576648	0.933895378	0.207720173	0.490627705
<i>ycbU</i>	-1.177393186	0.920320395	0.200780989	0.485440792
<i>ykqH</i>	-1.178156551	0.708998212	0.096568917	0.390380788
<i>potH</i>	-1.181771858	0.990661293	0.232903794	0.516947839
<i>yfeZ</i>	-1.182447607	0.825610723	0.152083844	0.434494647
<i>zraP</i>	-1.182475557	0.82954183	0.154025368	0.43699194
<i>yehB</i>	-1.184642292	1.162643608	0.308240349	0.595050655
<i>ybjO</i>	-1.185499896	0.630253536	0.059973431	0.36375562
<i>mntP</i>	-1.188177927	0.678005604	0.079694685	0.377432539
<i>yegK</i>	-1.188855517	1.226252612	0.332294312	0.618229069
<i>ycaN</i>	-1.19216026	0.912630509	0.1914539	0.48030403
<i>recT</i>	-1.193163249	0.902463682	0.186128945	0.473701881
<i>ydiM</i>	-1.197260739	1.103572221	0.27796786	0.561570911
<i>yeaV</i>	-1.197307709	1.048204479	0.253351647	0.533415372
<i>hofP</i>	-1.198428397	0.960753326	0.212256703	0.495978403
<i>ybfB</i>	-1.206896111	0.884433535	0.172379477	0.462863982
<i>yqhG</i>	-1.207374603	0.862595445	0.161603258	0.446280386
<i>ybgO</i>	-1.207686556	0.737119594	0.10134116	0.395053485
<i>ybgA</i>	-1.208011374	0.618072146	0.050644148	0.357424257
<i>cheY</i>	-1.209026525	0.887206217	0.172966199	0.462863982
<i>chpB</i>	-1.209661617	0.650248147	0.062842009	0.36375562
<i>ybdM</i>	-1.211150271	0.840358397	0.149519535	0.4313125
<i>mcbA</i>	-1.211324986	0.740291691	0.101780859	0.395053485
<i>recX</i>	-1.212025963	0.702503593	0.084474316	0.382635615
<i>codB</i>	-1.215206561	1.068657396	0.255482311	0.535535309
<i>yidH</i>	-1.217105432	0.603550143	0.043739659	0.346511754
<i>ydjX</i>	-1.217237652	0.625735667	0.051740024	0.357424257
<i>yeeT</i>	-1.220167981	1.293055435	0.345357934	0.626990813
<i>yciQ</i>	-1.220487472	0.936146043	0.192323547	0.48030403
<i>ybaA</i>	-1.222416701	0.827842906	0.139775159	0.426485017
<i>emrK</i>	-1.222629932	0.910599347	0.179380451	0.469426815
<i>potF</i>	-1.225769281	0.839169734	0.144099736	0.428546609
<i>envR</i>	-1.227623308	0.957937629	0.200008486	0.485231275
<i>gatC</i>	-1.229028733	1.076754327	0.25369526	0.533415372
<i>ydjG</i>	-1.229844623	0.692998709	0.075952247	0.373744519
<i>ybcV</i>	-1.231783003	0.642582588	0.055247386	0.35965674
<i>trkG</i>	-1.235000497	0.789394936	0.117702536	0.405562888
<i>ydjM</i>	-1.236017625	0.808136117	0.126148682	0.409405752

<i>ygcW</i>	-1.236618998	0.716647537	0.084426431	0.382635615
<i>yfbM</i>	-1.238552376	0.637864088	0.052171212	0.357424257
<i>yidI</i>	-1.238641628	0.64889106	0.056280266	0.360656205
<i>ycgG</i>	-1.238970823	1.011953545	0.220825626	0.505144582
<i>ldrB</i>	-1.240709635	2.35943366	0.598992006	0.803067964
<i>yciY</i>	-1.243757407	1.644056854	0.44933912	0.706193044
<i>alkB</i>	-1.244779621	0.927037704	0.179353028	0.469426815
<i>agaV</i>	-1.245708696	0.654933811	0.057166247	0.362679132
<i>ybgD</i>	-1.245808007	1.015582764	0.219938096	0.504315069
<i>ycdT</i>	-1.246502082	0.966301458	0.197060287	0.485231275
<i>mobB</i>	-1.251224	0.678198962	0.065048926	0.367589495
<i>ybgP</i>	-1.252968774	0.993711311	0.207345537	0.490627705
<i>arpA</i>	-1.25323148	1.149705948	0.275693222	0.559159889
<i>pqaD</i>	-1.253823249	0.92904295	0.177148855	0.466641624
<i>elfD</i>	-1.255161359	1.012751542	0.215213082	0.498706873
<i>ycgR</i>	-1.255309377	0.984078114	0.202090005	0.486536435
<i>nanS</i>	-1.257882212	0.800145996	0.115935276	0.403550127
<i>sgrS</i>	-1.261489773	1.245435877	0.311112618	0.597183028
<i>hipB</i>	-1.261633731	1.133815129	0.265823034	0.5481417
<i>csgD</i>	-1.270011639	0.989004873	0.199096186	0.485231275
<i>ymdF</i>	-1.270653593	0.677136489	0.060585242	0.36375562
<i>abgT</i>	-1.271030917	0.906515018	0.160883342	0.445202094
<i>ydjF</i>	-1.272177387	0.584370388	0.029480178	0.312860316
<i>yfjW</i>	-1.272410941	0.768487608	0.09777573	0.39091007
<i>thiS</i>	-1.275534656	0.994823184	0.199782237	0.485231275
<i>yegS</i>	-1.276449623	0.928335327	0.169135269	0.458645071
<i>yjeN</i>	-1.276699238	0.717040904	0.074992366	0.373744519
<i>paaI</i>	-1.27863106	0.76778168	0.095841432	0.390380788
<i>ompL</i>	-1.28092721	1.060477651	0.227094343	0.511182936
<i>ynjI</i>	-1.284113536	0.86283303	0.136684279	0.422024424
<i>iraM</i>	-1.290660741	0.904749147	0.153712564	0.436807564
<i>yadV</i>	-1.290910522	0.979433579	0.187497815	0.475667174
<i>asr</i>	-1.294391241	0.803224061	0.107071962	0.396303494
<i>wcaA</i>	-1.297429606	1.10638853	0.240927815	0.52345551
<i>narU</i>	-1.297588585	1.084359199	0.231446546	0.51581338
<i>ilvM</i>	-1.29895692	0.756188076	0.085838641	0.382674906
<i>allA</i>	-1.299547944	0.647866124	0.044868024	0.346511754
<i>ydqC</i>	-1.299669183	0.738942174	0.078607418	0.374816185
<i>paaA</i>	-1.30048565	1.074654839	0.226224162	0.510641844
<i>yedW</i>	-1.302549594	0.673715406	0.053189092	0.357424257
<i>yhdJ</i>	-1.302972293	0.988942583	0.187657384	0.475774255
<i>pyrI</i>	-1.30463556	0.598619451	0.02930143	0.312860316
<i>yhjR</i>	-1.304729312	1.298644845	0.315048436	0.602171787
<i>rzpQ</i>	-1.306162043	1.07414664	0.223985018	0.508788564
<i>yjjQ</i>	-1.308748039	1.026273934	0.202223457	0.486536435
<i>yciF</i>	-1.312580135	0.873188134	0.132786376	0.416330989
<i>yraH</i>	-1.313177032	0.87761246	0.13457386	0.418376097
<i>yecT</i>	-1.315018772	0.651149628	0.043431754	0.346511754
<i>ycjP</i>	-1.316891305	0.995536246	0.185903248	0.473701881

<i>gspC</i>	-1.318460701	0.949834199	0.165107927	0.453159932
<i>psuG</i>	-1.323276567	1.181857391	0.262859355	0.544753837
<i>ybeU</i>	-1.323511326	0.890294415	0.137120592	0.423017114
<i>ydcD</i>	-1.325572927	0.625726562	0.034136638	0.326714539
<i>flhE</i>	-1.325682306	0.834093753	0.11197723	0.400636634
<i>zinT</i>	-1.329201629	0.669546011	0.047119087	0.352557243
<i>pgaB</i>	-1.330359809	1.148591231	0.246760603	0.526615058
<i>cnu</i>	-1.33093275	1.402224783	0.342540303	0.625712378
<i>yjbM</i>	-1.335096453	0.931976948	0.151988665	0.434494647
<i>yaiY</i>	-1.335405717	0.64599446	0.038714442	0.336799028
<i>yhdX</i>	-1.335411598	1.029014766	0.194370689	0.482342452
<i>ygbF</i>	-1.338360654	0.877198671	0.1270793	0.409405752
<i>yidX</i>	-1.350466737	0.5961904	0.023502854	0.286927951
<i>yfdC</i>	-1.356546147	0.818650446	0.097509015	0.390380788
<i>chbR</i>	-1.356728159	0.710849629	0.056313611	0.360656205
<i>ygiL</i>	-1.360646308	0.908858128	0.134368727	0.418122342
<i>yjcF</i>	-1.360744185	1.104776393	0.21806418	0.502005784
<i>yhiM</i>	-1.361837064	0.82601732	0.0992135	0.393168651
<i>ybjE</i>	-1.362910201	0.649248429	0.035798202	0.32752865
<i>yqbE</i>	-1.362919024	0.752032374	0.069937647	0.367589495
<i>ydiF</i>	-1.366142284	1.161949863	0.239701764	0.522727785
<i>ygeH</i>	-1.36686315	1.165923314	0.241058991	0.52345551
<i>yafT</i>	-1.373266677	0.89210146	0.123716058	0.409405752
<i>ybdF</i>	-1.373587013	0.728858734	0.059487599	0.36375562
<i>yccE</i>	-1.374534237	1.033841908	0.183669857	0.472916736
<i>yiaM</i>	-1.377271659	1.073437148	0.199475171	0.485231275
<i>mhpC</i>	-1.382326247	1.198472888	0.248743634	0.528238183
<i>yraI</i>	-1.387210668	1.041069818	0.18270063	0.472775241
<i>ybhM</i>	-1.38985363	0.743755896	0.061665128	0.36375562
<i>ydeO</i>	-1.392181347	1.113683984	0.2112745	0.495360959
<i>phoE</i>	-1.397298003	1.155547442	0.226582682	0.510882198
<i>bglG</i>	-1.398475548	1.055285674	0.185101377	0.473439107
<i>pgaC</i>	-1.404870858	1.026940449	0.1713071	0.462061866
<i>ydeJ</i>	-1.405022418	0.769546048	0.067883283	0.367589495
<i>sfmF</i>	-1.408380417	1.042599398	0.176748091	0.466641624
<i>ycaC</i>	-1.411607506	0.5784086	0.014666853	0.253499259
<i>citD</i>	-1.414494961	1.636244611	0.387326202	0.658855774
<i>hdeD</i>	-1.416118937	0.748377042	0.058457238	0.36375562
<i>ves</i>	-1.41682836	0.705336831	0.044566211	0.346511754
<i>ydeM</i>	-1.421817181	0.846743636	0.093121064	0.387027055
<i>yfiZ</i>	-1.423499216	1.090542467	0.191786303	0.48030403
<i>yfcS</i>	-1.42482406	0.869979362	0.101470171	0.395053485
<i>yohJ</i>	-1.427039186	0.599327268	0.017262509	0.263454633
<i>ybcI</i>	-1.427276095	0.75690332	0.059338331	0.36375562
<i>frwB</i>	-1.429847081	0.768665689	0.062861804	0.36375562
<i>yliE</i>	-1.43008786	0.962560932	0.137355444	0.423017114
<i>yqiJ</i>	-1.430519029	0.615812462	0.020180314	0.277602331
<i>yjeO</i>	-1.433758202	0.64838605	0.027016977	0.30007349
<i>insE1</i>	-1.442577305	1.077114006	0.180473477	0.47047263

<i>yadK</i>	-1.443552161	1.011938615	0.153717874	0.436807564
<i>cbl</i>	-1.443771576	0.848630446	0.08888742	0.385449519
<i>yahB</i>	-1.446200842	0.747816559	0.053125688	0.357424257
<i>aqpZ</i>	-1.447762279	1.084326062	0.181819913	0.472195982
<i>yjjB</i>	-1.449112093	0.572769948	0.011406019	0.225664635
<i>insB1</i>	-1.452122878	1.198342682	0.225598145	0.510610481
<i>yagK</i>	-1.455274038	0.607882228	0.016665451	0.262886141
<i>fliZ</i>	-1.455395389	0.753142611	0.053306452	0.357424257
<i>dosC</i>	-1.456117793	1.135467786	0.199704247	0.485231275
<i>insH1</i>	-1.458870134	1.325146896	0.270934954	0.554732477
<i>csqA</i>	-1.459888806	0.794886011	0.066268752	0.367589495
<i>oppB</i>	-1.461801953	0.855294091	0.087428352	0.383361441
<i>yfdR</i>	-1.462514793	1.035876704	0.157990645	0.442556244
<i>hyi</i>	-1.4627087	1.083362336	0.176965788	0.466641624
<i>yedK</i>	-1.46554105	0.839277799	0.080777414	0.37803293
<i>soxR</i>	-1.475506686	0.826050991	0.074064059	0.373744519
<i>dinI</i>	-1.478916132	1.258689534	0.240008724	0.523115789
<i>paaC</i>	-1.481083218	0.946802954	0.117747291	0.405562888
<i>perR</i>	-1.481752606	0.801477998	0.064490287	0.367196101
<i>ykfF</i>	-1.486358802	1.028023005	0.148221533	0.4313125
<i>insB1</i>	-1.487384609	1.725000806	0.388549111	0.659622318
<i>ydiP</i>	-1.500200637	0.718509519	0.036803766	0.332031619
<i>slp</i>	-1.504586424	0.807453086	0.062409781	0.36375562
<i>elaD</i>	-1.507154417	1.021210255	0.139983833	0.426485017
<i>yhfY</i>	-1.507179194	0.987758402	0.127045199	0.409405752
<i>insE1</i>	-1.507286282	1.343052878	0.261741857	0.543318734
<i>npr</i>	-1.510860214	1.301516253	0.245704446	0.525469563
<i>yhjB</i>	-1.512059656	0.763838557	0.047753668	0.353745052
<i>paoA</i>	-1.512228715	0.979251237	0.122522837	0.409149571
<i>yneK</i>	-1.512464494	1.06430741	0.155293908	0.439945145
<i>emrY</i>	-1.516945275	1.068742086	0.15578986	0.440489098
<i>ydjI</i>	-1.517696237	1.051578519	0.148948576	0.4313125
<i>yahN</i>	-1.519396733	0.903737586	0.092716961	0.387027055
<i>ygjH</i>	-1.52046125	0.678621017	0.025057443	0.295116348
<i>tfaR</i>	-1.520914151	1.354610291	0.261535706	0.543168929
<i>sdiA</i>	-1.521029949	0.824710434	0.065136518	0.367589495
<i>pphA</i>	-1.522319945	0.634397227	0.016411557	0.262685063
<i>yafW</i>	-1.52356963	0.66480278	0.021919391	0.27856179
<i>ynfA</i>	-1.530041673	0.598789618	0.010611945	0.219558829
<i>elfA</i>	-1.53524539	0.572975956	0.0073749	0.179028999
<i>sufE</i>	-1.535975341	0.583055653	0.00842974	0.195280949
<i>ykfH</i>	-1.538587294	0.612516715	0.012007947	0.231521653
<i>cheW</i>	-1.53934267	0.613116824	0.012049747	0.231521653
<i>ycdU</i>	-1.543794745	0.97308544	0.112627168	0.400636634
<i>metZ</i>	-1.544892288	1.945668245	0.427185946	0.689690094
<i>mdtI</i>	-1.549456593	0.754091134	0.039904717	0.338654556
<i>rybB</i>	-1.549594476	2.512321455	0.537368069	0.766803996
<i>umuD</i>	-1.556804505	0.701592809	0.026489628	0.299970731
<i>ygbA</i>	-1.561235476	0.686945987	0.023043094	0.283941352

<i>gspG</i>	-1.562016374	0.887535456	0.0784166	0.374816185
<i>yjcH</i>	-1.568259022	0.756921802	0.038275663	0.336427168
<i>bhsA</i>	-1.569155978	0.91457277	0.086212264	0.382674906
<i>yhdU</i>	-1.57076954	1.072293099	0.142956504	0.427567449
<i>ydjH</i>	-1.571371039	0.998260932	0.115462363	0.403550127
<i>arsR</i>	-1.572732431	0.787648273	0.045852935	0.350071185
<i>pyrL</i>	-1.574830906	1.46214035	0.281447956	0.564008904
<i>eutN</i>	-1.575259602	0.989170245	0.111271044	0.400259817
<i>araJ</i>	-1.578519269	0.888248052	0.075549259	0.373744519
<i>yfdX</i>	-1.579004326	1.03772932	0.128110451	0.409405752
<i>yjfY</i>	-1.579843986	0.877788752	0.071892262	0.37116173
<i>ydiN</i>	-1.580523644	1.106764021	0.153275053	0.436372057
<i>ybhH</i>	-1.582074109	1.129208514	0.161200043	0.445774198
<i>ybdJ</i>	-1.583909577	0.836790319	0.058379247	0.36375562
<i>insI1</i>	-1.587390618	1.688614039	0.347189183	0.628070035
<i>yfjX</i>	-1.588491232	0.826690746	0.054667946	0.359195874
<i>yahM</i>	-1.589271586	0.632831232	0.012026453	0.231521653
<i>ygaV</i>	-1.591010716	1.123706755	0.156816689	0.441176167
<i>yaiO</i>	-1.591425922	0.753292295	0.034632674	0.327274732
<i>wcaD</i>	-1.591901686	1.215095446	0.190160577	0.47942225
<i>sfmA</i>	-1.594327099	0.747344067	0.03289815	0.324499023
<i>nrdF</i>	-1.594387508	0.823311229	0.052799759	0.357424257
<i>appY</i>	-1.594846499	0.822979108	0.052636123	0.357424257
<i>napD</i>	-1.599005674	0.869493475	0.065913973	0.367589495
<i>psuK</i>	-1.603319403	1.095585523	0.143348087	0.427567449
<i>yqeH</i>	-1.605768687	0.868472216	0.064463872	0.367196101
<i>ycfZ</i>	-1.605893832	0.934368189	0.085669943	0.382674906
<i>acpS</i>	-1.611019907	0.662909535	0.015089416	0.255951844
<i>yfcG</i>	-1.611311024	0.931196715	0.083564926	0.381205511
<i>yfgI</i>	-1.617736802	0.811231438	0.046133021	0.351547495
<i>yneE</i>	-1.618432772	0.721862157	0.024959777	0.295116348
<i>sufC</i>	-1.624858232	0.816162864	0.046497327	0.351679413
<i>yjdI</i>	-1.626295972	1.052747456	0.122391958	0.409049461
<i>yegP</i>	-1.628065458	0.674924972	0.015855844	0.258150962
<i>psiF</i>	-1.629425133	0.615925944	0.008157301	0.191154321
<i>fliR</i>	-1.630212254	0.784046537	0.037596312	0.334793019
<i>yfjS</i>	-1.631793832	0.811634964	0.04437807	0.346511754
<i>arsC</i>	-1.63394414	0.578827923	0.00475989	0.150754652
<i>ygcG</i>	-1.634593863	1.067797871	0.125816773	0.409405752
<i>insA</i>	-1.639161103	1.073609631	0.126816795	0.409405752
<i>yehR</i>	-1.639875664	0.708458981	0.020628918	0.277602331
<i>yidL</i>	-1.643815101	0.898660192	0.067372006	0.367589495
<i>fliT</i>	-1.644852277	0.775313746	0.033877128	0.325991311
<i>yhhI</i>	-1.645089784	1.187503233	0.165950058	0.453730509
<i>ulaB</i>	-1.65081162	0.698580576	0.018123069	0.268142043
<i>rspB</i>	-1.658269923	1.07199477	0.121887088	0.408034893
<i>gspB</i>	-1.663666163	0.599956872	0.005554617	0.164265687
<i>ydjO</i>	-1.663756422	0.914766333	0.068945383	0.367589495
<i>sfmC</i>	-1.666615426	0.916493292	0.06899235	0.367589495

<i>yafY</i>	-1.666918419	0.652914393	0.010678636	0.219752234
<i>yhbO</i>	-1.668435147	0.651009231	0.010381866	0.216948897
<i>intF</i>	-1.6691033	0.815015792	0.040565896	0.339781285
<i>tyrT</i>	-1.669147883	2.868872758	0.560692549	0.783322752
<i>ybfP</i>	-1.669600831	0.748689782	0.025745437	0.297356134
<i>ycjD</i>	-1.678451854	0.704414076	0.017183249	0.263454633
<i>ydeQ</i>	-1.690336848	0.996022073	0.089680074	0.385449519
<i>pspG</i>	-1.692651588	0.698593249	0.015395344	0.257639363
<i>yqiH</i>	-1.692940552	0.876516656	0.05342849	0.357424257
<i>idnK</i>	-1.695127607	0.801890394	0.034522584	0.327274732
<i>gfcB</i>	-1.705113109	0.941802958	0.070221763	0.367589495
<i>yfiT</i>	-1.708812914	0.712423817	0.016458314	0.262685063
<i>yebW</i>	-1.71011999	1.113503196	0.124587047	0.409405752
<i>yigF</i>	-1.713682826	0.615289418	0.005350042	0.161858725
<i>ydbL</i>	-1.713777799	0.584377472	0.003360766	0.120571195
<i>yhfU</i>	-1.718113962	0.604827517	0.00450192	0.144847498
<i>yegL</i>	-1.722900749	0.943234191	0.06776166	0.367589495
<i>fliE</i>	-1.727314529	0.864925422	0.045817841	0.350071185
<i>yghT</i>	-1.735191435	0.959571488	0.070560096	0.367589495
<i>agaD</i>	-1.736192202	0.990393384	0.079596357	0.377407758
<i>yagN</i>	-1.741096558	0.746679153	0.019711912	0.277602331
<i>wcaB</i>	-1.747073184	0.922034277	0.058118524	0.36375562
<i>isrC</i>	-1.747758512	0.988957312	0.077182357	0.374512315
<i>yodB</i>	-1.749576623	0.773171262	0.023644456	0.286927951
<i>yiaG</i>	-1.751039582	0.916783076	0.056135473	0.360654848
<i>sfmH</i>	-1.754012685	1.139604822	0.123769839	0.409405752
<i>yjdO</i>	-1.754811015	1.443523346	0.224120428	0.508788564
<i>ydhO</i>	-1.756709801	0.814787169	0.031080918	0.317916139
<i>sibA</i>	-1.765146922	1.534954071	0.250157358	0.529852627
<i>dctR</i>	-1.765580009	0.946820526	0.062216983	0.36375562
<i>yjgH</i>	-1.76592372	0.615254588	0.004101701	0.137423924
<i>rutC</i>	-1.766917219	0.744009705	0.017555714	0.265562929
<i>lacY</i>	-1.768746155	0.912413355	0.05255786	0.357424257
<i>ymfA</i>	-1.772543103	0.643739655	0.00589601	0.164265687
<i>yafQ</i>	-1.780747943	1.109836747	0.108600931	0.398282207
<i>insD1</i>	-1.783094704	1.16583317	0.126150554	0.409405752
<i>chaB</i>	-1.786579756	1.027898354	0.082194973	0.379645316
<i>mcbR</i>	-1.791613956	0.626442546	0.00423666	0.140782133
<i>pinR</i>	-1.792056159	0.727305774	0.013740943	0.249801717
<i>sibD</i>	-1.793876444	1.74662098	0.304394396	0.590295953
<i>insD1</i>	-1.795062491	1.529765378	0.240626058	0.52345551
<i>casE</i>	-1.796636819	1.014330131	0.076518388	0.373744519
<i>yedL</i>	-1.799258822	0.817999766	0.027836456	0.305485257
<i>yoaC</i>	-1.807885856	0.850542324	0.033539216	0.324660621
<i>ylcI</i>	-1.808178683	1.051257879	0.085429825	0.382674906
<i>gspI</i>	-1.809012529	0.981888609	0.065419497	0.367589495
<i>yjdN</i>	-1.81194874	0.897121172	0.043410685	0.346511754
<i>hycA</i>	-1.815512998	0.828846898	0.02849465	0.310222676
<i>psiE</i>	-1.816789647	0.624687464	0.003633789	0.126994659

<i>yphF</i>	-1.821565313	1.097285463	0.096901355	0.390380788
<i>ytjA</i>	-1.821733477	1.111548024	0.101230823	0.395053485
<i>yiaA</i>	-1.822822135	1.036864976	0.078745293	0.374816185
<i>yahC</i>	-1.82347211	1.170910332	0.11939655	0.406500994
<i>intR</i>	-1.82484015	0.84107381	0.030032978	0.315424071
<i>ydaV</i>	-1.830679688	0.928589018	0.048670843	0.355636903
<i>yjfl</i>	-1.831069682	0.901779988	0.042305131	0.345787635
<i>insD1</i>	-1.837421007	1.264950001	0.146344809	0.430851022
<i>ryjA</i>	-1.840558105	1.612453674	0.253676812	0.533415372
<i>ygeG</i>	-1.844899437	1.081776358	0.088113295	0.384098171
<i>nrfF</i>	-1.847173973	0.687789683	0.007238522	0.179028999
<i>ygqM</i>	-1.851854751	0.893056304	0.038115101	0.335910045
<i>yahO</i>	-1.858383141	0.562175107	0.000947389	0.060963749
<i>yfjJ</i>	-1.861931424	0.966343964	0.054007156	0.357756229
<i>fepE</i>	-1.862948515	1.142300739	0.10291692	0.39523855
<i>arfA</i>	-1.864489494	0.937892621	0.046816529	0.352374686
<i>yfdF</i>	-1.868450609	0.871655147	0.032067652	0.321852891
<i>yhaB</i>	-1.875180156	0.667493311	0.004965139	0.153703466
<i>ydaU</i>	-1.877617886	0.913824309	0.03990978	0.338654556
<i>yafL</i>	-1.88023711	1.224978292	0.124804798	0.409405752
<i>yfdK</i>	-1.886101777	0.592016673	0.00144308	0.080714133
<i>gspM</i>	-1.888593511	0.820193358	0.021300241	0.277602331
<i>bcsF</i>	-1.896259754	1.130357599	0.093430079	0.387027055
<i>ycqX</i>	-1.901265596	0.596509655	0.001435991	0.080714133
<i>fliQ</i>	-1.905823827	0.836359531	0.022684097	0.283101448
<i>yfjM</i>	-1.91219283	0.873670447	0.028619458	0.310222676
<i>iraP</i>	-1.913003407	0.681231256	0.004982614	0.153703466
<i>yaiV</i>	-1.915903792	0.780840892	0.01414178	0.250352735
<i>ynbB</i>	-1.919474635	1.198551732	0.109267321	0.398679812
<i>aaeX</i>	-1.921503941	0.917734053	0.036282425	0.328323548
<i>ydfC</i>	-1.923146272	0.943916488	0.041608826	0.344194738
<i>ybfD</i>	-1.933573319	1.030885549	0.06070431	0.36375562
<i>cmtB</i>	-1.935774732	0.919246762	0.035219375	0.32752865
<i>ybeT</i>	-1.947403761	1.022825507	0.056917316	0.362203401
<i>yjfl</i>	-1.948326997	0.999477846	0.051254255	0.357424257
<i>yqhH</i>	-1.953499313	0.75291545	0.009470659	0.209803562
<i>yadM</i>	-1.953844879	1.019767122	0.055368706	0.35965674
<i>gadE</i>	-1.953846039	0.650134645	0.002653239	0.106497321
<i>yqeJ</i>	-1.961493797	0.834358744	0.018728077	0.273106558
<i>ydeS</i>	-1.962057617	0.97889104	0.045030683	0.346511754
<i>ybfK</i>	-1.962162873	1.005541352	0.051015454	0.357424257
<i>yfbO</i>	-1.962474602	0.620559378	0.001564592	0.08417859
<i>rcaA</i>	-1.977703882	0.612710482	0.001247483	0.075482032
<i>yfjI</i>	-1.979795548	1.123271006	0.077980288	0.374816185
<i>fimZ</i>	-1.986673278	0.823284111	0.015817142	0.258150962
<i>yeaR</i>	-1.993586093	0.737332237	0.006855512	0.173701536
<i>ynbA</i>	-1.995608571	1.062818128	0.060428016	0.36375562
<i>rhaM</i>	-1.999143995	0.634774914	0.001636203	0.086145031
<i>csgB</i>	-2.022357505	0.988725975	0.040813706	0.340359392

<i>yehC</i>	-2.023876051	1.16871729	0.083325722	0.381205511
<i>rrfC</i>	-2.029866737	1.277085269	0.111958206	0.400636634
<i>casB</i>	-2.030760451	0.852537387	0.017217998	0.263454633
<i>higA</i>	-2.044371482	0.71937115	0.004484739	0.144847498
<i>hlyE</i>	-2.046485218	0.831968691	0.013901044	0.250352735
<i>ydfA</i>	-2.046610575	1.582449788	0.195901146	0.483373856
<i>ydfR</i>	-2.046638108	0.781814752	0.008849751	0.203845977
<i>yibG</i>	-2.056233372	0.723825411	0.004500245	0.144847498
<i>insA</i>	-2.059260355	0.601269388	0.000615128	0.04653025
<i>wcaF</i>	-2.06167101	1.079213397	0.056088677	0.360654848
<i>tfaQ</i>	-2.063886225	1.413224914	0.144177731	0.428546609
<i>ldrC</i>	-2.064921769	1.91959581	0.282058521	0.564674195
<i>ebgC</i>	-2.071457953	0.78420941	0.00825495	0.192330853
<i>insF1</i>	-2.075828422	1.30891806	0.112759349	0.400636634
<i>ydiT</i>	-2.089447225	0.874841011	0.016923126	0.263454633
<i>rrrQ</i>	-2.096933692	0.922014279	0.022948176	0.283633854
<i>agaB</i>	-2.097880872	1.054843291	0.046722389	0.352374686
<i>ydaQ</i>	-2.109850333	1.153807099	0.067459725	0.367589495
<i>insF1</i>	-2.110432937	1.620084527	0.192687991	0.48030403
<i>ydeR</i>	-2.114721553	0.846341232	0.012466278	0.238388173
<i>yicS</i>	-2.120398651	0.858092645	0.013471311	0.24823952
<i>sieB</i>	-2.129980507	0.691111656	0.002056404	0.095180594
<i>ydcC</i>	-2.130216216	1.099627146	0.052718844	0.357424257
<i>yebB</i>	-2.131134163	0.996970849	0.032548466	0.321852891
<i>lacA</i>	-2.134406914	0.702764486	0.002388201	0.096817664
<i>yegJ</i>	-2.136272551	0.795724817	0.007259763	0.179028999
<i>yjbT</i>	-2.142126442	0.931388027	0.021452236	0.277602331
<i>rem</i>	-2.148422868	0.705547699	0.002326473	0.096240008
<i>ybbC</i>	-2.150722858	0.728391684	0.003150069	0.11504847
<i>yfdP</i>	-2.155353459	0.850845644	0.011302975	0.225664635
<i>ynfN</i>	-2.162758526	1.810388748	0.23222864	0.516947839
<i>yfdT</i>	-2.16618484	0.742071566	0.003510379	0.124834014
<i>yiaL</i>	-2.167542148	1.047828814	0.038583327	0.336799028
<i>higB</i>	-2.176061002	0.56860074	0.00012969	0.018129832
<i>ymiB</i>	-2.186207334	2.623162193	0.404605427	0.672067326
<i>nrdH</i>	-2.186705299	0.755201271	0.003785231	0.130045126
<i>ymgA</i>	-2.190692661	0.794926091	0.005854083	0.164265687
<i>yibI</i>	-2.191291887	0.713223489	0.002123609	0.095180594
<i>yaiS</i>	-2.197037436	1.179916539	0.062599167	0.36375562
<i>yghG</i>	-2.197091304	0.56675188	0.00010591	0.017256289
<i>ydaG</i>	-2.198982848	1.638724055	0.17963257	0.469523171
<i>yhaI</i>	-2.208423735	0.901212607	0.014265698	0.251448428
<i>yahD</i>	-2.211153731	0.710567812	0.001859426	0.091928216
<i>eutS</i>	-2.230930766	0.765452132	0.003562282	0.125578186
<i>insA</i>	-2.23910745	0.685723614	0.001093402	0.067161413
<i>insI1</i>	-2.258747208	0.92539579	0.014652963	0.253499259
<i>yahA</i>	-2.259788688	0.779316839	0.003735144	0.129421139
<i>yigG</i>	-2.265504175	0.892802699	0.011164118	0.225664635
<i>sibB</i>	-2.266045322	1.68994048	0.179952128	0.46975269

<i>ydhL</i>	-2.274683478	1.01560157	0.025107806	0.295116348
<i>yghW</i>	-2.278732365	0.810351969	0.004923023	0.153703466
<i>ythA</i>	-2.282202518	1.559384295	0.143322968	0.427567449
<i>cedA</i>	-2.285260375	1.088882022	0.035841437	0.32752865
<i>rayT</i>	-2.287942965	0.684403526	0.000828858	0.055085064
<i>ariR</i>	-2.290255924	0.945561447	0.015430585	0.257639363
<i>pinQ</i>	-2.296201494	0.664198602	0.000546021	0.043403288
<i>ymgC</i>	-2.306141316	1.040345811	0.026643155	0.299970731
<i>yaqL</i>	-2.315678315	0.758529844	0.002266787	0.096240008
<i>dicB</i>	-2.316336787	1.394573084	0.096720519	0.390380788
<i>yiaB</i>	-2.321018805	0.778542256	0.002870867	0.111275325
<i>ydiL</i>	-2.330715931	0.619323493	0.000167669	0.019992026
<i>ykfM</i>	-2.331654854	0.896638347	0.009310411	0.208532625
<i>ycqZ</i>	-2.338484937	0.739062256	0.001555503	0.08417859
<i>yadL</i>	-2.360461136	0.953030996	0.013256852	0.247664866
<i>yjjZ</i>	-2.364580291	1.056461555	0.02520752	0.295116348
<i>rttR</i>	-2.365227335	1.382392514	0.08708729	0.383361441
<i>ymdA</i>	-2.365240456	0.772709774	0.002206221	0.095667434
<i>yfcV</i>	-2.375992282	0.908814347	0.008938776	0.204620921
<i>ymgI</i>	-2.376507579	0.86570034	0.00604768	0.164265687
<i>metV</i>	-2.376875315	1.918099837	0.215278004	0.498706873
<i>yqeK</i>	-2.379393385	0.847744462	0.005004652	0.153703466
<i>yahL</i>	-2.396042341	1.162187334	0.039239527	0.337743189
<i>ydaT</i>	-2.398089528	0.947919179	0.011411261	0.225664635
<i>essQ</i>	-2.410399163	1.051119016	0.021837969	0.278399774
<i>ydeI</i>	-2.411313218	0.619428983	0.0000991	0.017256289
<i>wcaE</i>	-2.413321016	1.135430677	0.033547622	0.324660621
<i>yahE</i>	-2.443716998	1.057652468	0.020859915	0.277602331
<i>yfdS</i>	-2.476250584	0.751615793	0.000985725	0.061478917
<i>hiuH</i>	-2.489907672	0.710516997	0.000457705	0.038733895
<i>cusF</i>	-2.492527792	0.655227143	0.00014234	0.018614372
<i>ypjF</i>	-2.500855788	0.809468563	0.002004915	0.095180594
<i>yaqU</i>	-2.516569644	0.815879336	0.002039032	0.095180594
<i>yiiF</i>	-2.51909113	1.312836639	0.055007703	0.35965674
<i>bdm</i>	-2.528627466	1.10901051	0.022603223	0.283101448
<i>yhcO</i>	-2.529465481	0.683924342	0.000216913	0.025124746
<i>yphA</i>	-2.53383882	0.632996239	0.0000626	0.012681552
<i>yiiE</i>	-2.53426355	0.73805502	0.000595391	0.046417582
<i>yedR</i>	-2.55104997	0.728074384	0.000458615	0.038733895
<i>yegR</i>	-2.565074449	0.651561737	0.0000826	0.015940347
<i>csgE</i>	-2.571815016	0.737815393	0.000490822	0.040607971
<i>fryB</i>	-2.607451591	0.855135543	0.002294764	0.096240008
<i>yhhH</i>	-2.623716418	0.695442967	0.000161473	0.019836711
<i>ysaB</i>	-2.6260643	0.887096472	0.003073479	0.113271675
<i>ytca</i>	-2.630712888	0.794479205	0.000928829	0.060733402
<i>ryhB</i>	-2.640690379	2.216144362	0.233430028	0.516947839
<i>glnK</i>	-2.642006614	0.789100931	0.00081361	0.055085064
<i>ykgJ</i>	-2.646866514	0.561676766	0.00000245	0.00158843
<i>istR</i>	-2.654796523	1.844017251	0.149957683	0.431773005

<i>yniD</i>	-2.663383839	2.134364869	0.212083139	0.495978403
<i>yafO</i>	-2.664280192	0.733750746	0.000282279	0.028608938
<i>yafN</i>	-2.689282389	0.73664754	0.000261522	0.02718489
<i>ynaK</i>	-2.697498663	0.698675598	0.000112982	0.017256289
<i>hokE</i>	-2.739734129	1.798511645	0.127675139	0.409405752
<i>ykgO</i>	-2.750015585	1.412239863	0.051502096	0.357424257
<i>yjdJ</i>	-2.769523727	0.727749787	0.000141462	0.018614372
<i>tdcR</i>	-2.779382776	1.214921475	0.022154666	0.280517603
<i>bfd</i>	-2.786774115	0.666721771	0.0000292	0.006957271
<i>insC1</i>	-2.792060622	1.137380865	0.014095676	0.250352735
<i>paaB</i>	-2.815856483	0.832414241	0.000717617	0.051950319
<i>insC1</i>	-2.827366212	1.169491025	0.015623068	0.257639363
<i>ymgE</i>	-2.846288495	0.650472831	0.0000121	0.003504712
<i>yqiZ</i>	-2.85492146	0.627726005	0.00000541	0.002150447
<i>ydfB</i>	-2.857550708	1.359291464	0.035532655	0.32752865
<i>rzoR</i>	-2.868241969	0.804915383	0.000366071	0.032978924
<i>yagM</i>	-2.868649294	0.944237512	0.002381073	0.096817664
<i>ecpR</i>	-2.869716831	0.793608908	0.000299151	0.029381351
<i>csgC</i>	-2.898914818	0.766458172	0.000155435	0.019691641
<i>yehK</i>	-2.900281287	1.087013676	0.007627735	0.182975376
<i>yafP</i>	-2.903810324	0.788565669	0.000231053	0.025511361
<i>yaaI</i>	-2.904994993	0.753233477	0.000114928	0.017256289
<i>cspH</i>	-2.919495338	0.937213351	0.001838945	0.091928216
<i>insC1</i>	-2.936807196	1.379532449	0.0332673	0.324660621
<i>insI1</i>	-2.943667299	1.26964621	0.020422481	0.277602331
<i>csgF</i>	-2.960162719	0.644478754	0.00000437	0.002150447
<i>flxA</i>	-2.967844369	0.581399321	0.000000331	0.000428719
<i>yhfL</i>	-2.970160619	1.412585668	0.035497158	0.32752865
<i>racC</i>	-2.975127533	0.777368753	0.000129621	0.018129832
<i>ycgY</i>	-3.011816004	0.676758996	0.00000857	0.002896229
<i>yojO</i>	-3.030154543	1.668287522	0.069320329	0.367589495
<i>rrfE</i>	-3.034681991	3.304335552	0.358412623	0.636177042
<i>aspV</i>	-3.053927278	3.135235286	0.330023582	0.61580782
<i>insA</i>	-3.087738181	1.327934942	0.020060308	0.277602331
<i>dicC</i>	-3.104999875	1.199483388	0.009636295	0.210528636
<i>kilR</i>	-3.142227918	0.715931184	0.0000114	0.003504712
<i>rrfB</i>	-3.159378532	3.17600301	0.319850282	0.607341004
<i>yiaW</i>	-3.162278667	0.860209426	0.000236759	0.025511361
<i>ffs</i>	-3.214325142	1.819667611	0.077322844	0.374512315
<i>ypjJ</i>	-3.235040137	0.907223177	0.000362651	0.032978924
<i>serT</i>	-3.283915498	3.890033539	0.398564953	0.666569049
<i>safA</i>	-3.324798969	1.237717251	0.007226232	0.179028999
<i>aspU</i>	-3.367020022	3.09540312	0.276706162	0.560426315
<i>ryeA</i>	-3.367996846	1.10560202	0.002316756	0.096240008
<i>yoaJ</i>	-3.444270711	3.029784397	0.255620274	0.535547592
<i>yoaG</i>	-3.446285891	1.497692059	0.021387991	0.277602331
<i>yjbL</i>	-3.493556491	0.892864002	0.0000912	0.016814845
<i>yrhB</i>	-3.522603286	0.773230977	0.00000522	0.002150447
<i>serW</i>	-3.529774407	3.121478694	0.25813843	0.538596601

<i>ymqF</i>	-3.574055511	0.989623418	0.000304395	0.029381351
<i>gadY</i>	-3.600024285	1.796132041	0.045035738	0.346511754
<i>glyY</i>	-3.630262976	2.939476723	0.216829336	0.500536144
<i>yciG</i>	-3.632015747	1.061123414	0.000619791	0.04653025
<i>rrfG</i>	-3.669349989	1.176167827	0.001810044	0.091723967
<i>rrfD</i>	-3.674108652	1.187187197	0.001969447	0.09504926
<i>rrfH</i>	-3.686310702	1.154898581	0.001413445	0.080714133
<i>insA</i>	-3.698509732	1.066724139	0.000525977	0.042646202
<i>ykqL</i>	-3.704653078	0.862422628	0.0000174	0.004707877
<i>ralR</i>	-3.729506715	0.921778517	0.0000521	0.011336942
<i>ygeI</i>	-3.747862185	1.112792887	0.000757216	0.053855315
<i>yjbS</i>	-3.793596756	1.191520515	0.001453412	0.080714133
<i>ydaF</i>	-3.809600003	1.395779116	0.006345514	0.169241531
<i>ypdI</i>	-3.812110868	0.753634619	0.000000423	0.000428719
<i>alpA</i>	-3.816631397	0.842099073	0.00000583	0.002150447
<i>rrfA</i>	-3.833901876	1.236967108	0.001938887	0.094701769
<i>gltT</i>	-3.851533043	2.718457825	0.156539043	0.441176167
<i>ydfK</i>	-3.898367095	1.808619566	0.031127586	0.317916139
<i>ynfO</i>	-3.948780138	0.589148522	2.05E-11	0.000000083
<i>ymqJ</i>	-3.968178937	0.933062163	0.0000211	0.005347768
<i>yqfG</i>	-4.047022606	1.70763909	0.017790397	0.266133831
<i>yncH</i>	-4.076795751	1.052075327	0.000106623	0.017256289
<i>insC1</i>	-4.183461067	1.303715964	0.001332556	0.079443846
<i>rcbA</i>	-4.255623395	0.90753681	0.00000274	0.00158843
<i>ydfD</i>	-4.306607566	1.227524909	0.000450867	0.038733895
<i>insC1</i>	-4.374399031	1.461981518	0.002770629	0.109049815
<i>insC1</i>	-4.512019499	1.782909314	0.011383318	0.225664635
<i>yrhD</i>	-4.518219462	1.663218358	0.00659658	0.170334607
<i>rseX</i>	-4.551385794	1.979907277	0.021517018	0.277602331
<i>rrfF</i>	-4.609780563	2.15466318	0.032399751	0.321852891
<i>yqcG</i>	-4.806654124	1.456833112	0.000968967	0.061378022
<i>micC</i>	-5.026996571	2.379023034	0.034596418	0.327274732
<i>insE1</i>	-5.227563806	1.754190111	0.002882069	0.111275325
<i>insE1</i>	-5.270712277	0.931851736	1.55E-08	0.0000314
<i>serX</i>	-5.874976586	1.845164949	0.001452628	0.080714133
<i>yceO</i>	-6.063878533	1.292913586	0.00000273	0.00158843

Table S2. Complete list of up- and down-regulated genes in gentamicin-resistant cells.

GENE	log2FoldChange	Standard error of the log2Fold Change	p-value	Corrected p-value
<i>phnI</i>	3.601392461	0.974426682	0.000219101	0.004335844
<i>dgoA</i>	3.498722805	0.633030569	3.26E-08	0.00000526
<i>phnK</i>	3.318951195	0.527732561	3.19E-10	0.000000161
<i>phnM</i>	3.14077839	1.004581306	0.001769275	0.018697809
<i>phnG</i>	3.076080688	1.097891126	0.005081703	0.037711093
<i>phnH</i>	2.993991426	0.923432065	0.001185927	0.014099149
<i>fepD</i>	2.97745597	0.747178325	0.0000675	0.001853697
<i>fecC</i>	2.970871394	0.617742336	0.00000152	0.0000956
<i>phnF</i>	2.966782972	0.887691809	0.000831376	0.011076781
<i>yaqF</i>	2.948732817	1.098951424	0.007291614	0.048019975
<i>rhsD</i>	2.801896796	0.671476959	0.0000301	0.001038448
<i>phnL</i>	2.629673899	0.765530573	0.000592336	0.009080555
<i>yjbG</i>	2.58762849	0.654527702	0.000077	0.002008634
<i>ypdE</i>	2.576378079	0.652924169	0.0000795	0.002057277
<i>yaqH</i>	2.565686443	1.141989005	0.024660341	0.109761626
<i>gabD</i>	2.565244501	0.853476682	0.002650217	0.024708836
<i>nikC</i>	2.545245432	0.659202719	0.000112879	0.002602194
<i>yaqI</i>	2.502902771	0.647873238	0.000111884	0.002602194
<i>phnC</i>	2.472688014	0.500755724	0.00000079	0.000059
<i>rhsB</i>	2.472162202	0.779667928	0.001520257	0.016907103
<i>dppC</i>	2.45954318	0.645779541	0.000139732	0.003116564
<i>emrD</i>	2.451640782	0.455547048	7.38E-08	0.00000961
<i>yaqG</i>	2.418646474	0.8184729	0.003125959	0.027613781
<i>puuE</i>	2.377137891	0.783007779	0.002398142	0.023161007
<i>yhfS</i>	2.356962651	0.440353317	8.68E-08	0.0000103
<i>fecR</i>	2.350449698	0.658866886	0.000360524	0.006300591
<i>fecA</i>	2.347405192	0.502259663	0.00000296	0.000163602
<i>rtcA</i>	2.347008941	0.663001122	0.000400161	0.006818218
<i>phnN</i>	2.343513369	0.835022139	0.005007849	0.037473068
<i>insA</i>	2.336429364	0.9653217	0.015505001	0.082350786
<i>rhsA</i>	2.334468257	0.741831488	0.001650123	0.018052976
<i>thiF</i>	2.323757662	0.410946126	1.56E-08	0.00000287
<i>fepG</i>	2.297595548	0.736593591	0.001813321	0.019013967
<i>ynaE</i>	2.296432689	1.617123005	0.155586435	0.365489836
<i>fhuB</i>	2.271555351	0.690688472	0.001006056	0.012613194
<i>insH1</i>	2.245011445	1.828859631	0.219617008	0.449819311
<i>nanE</i>	2.233071203	0.718272509	0.001877554	0.019335928
<i>eutG</i>	2.205538648	0.683214652	0.001245813	0.0146202
<i>cysA</i>	2.204156653	0.75643475	0.003569723	0.03027515
<i>ugpC</i>	2.204041514	0.582337414	0.000153821	0.003346475
<i>zntA</i>	2.196039701	0.468288236	0.00000274	0.000155719
<i>tilS</i>	2.186449315	0.560445574	0.0000957	0.002310516
<i>nikD</i>	2.171122303	0.352038584	6.95E-10	0.000000251
<i>yaqA</i>	2.166100155	0.550992161	0.0000845	0.002145387

<i>insH1</i>	2.160230317	1.183385236	0.067930635	0.212750949
<i>eutD</i>	2.143307682	0.750611782	0.004298071	0.033691868
<i>insH1</i>	2.13394083	1.111033714	0.054771995	0.18581054
<i>glcE</i>	2.125381504	0.749806588	0.004588697	0.035217816
<i>insH1</i>	2.118031739	1.07298222	0.048385469	0.171343983
<i>nanK</i>	2.091293054	0.623320322	0.000793404	0.010820854
<i>rsmJ</i>	2.090086445	0.720873494	0.00373901	0.031006634
<i>rrsD</i>	2.086833931	0.868866149	0.016315076	0.084658051
<i>yjhP</i>	2.063230684	0.543037811	0.000145033	0.003209978
<i>rrlE</i>	2.062514512	1.77543831	0.245360132	0.47887512
<i>rrsB</i>	2.046707015	2.928085828	0.484557362	0.699877664
<i>rrsE</i>	2.042852619	1.789992081	0.253760288	0.489334145
<i>hycE</i>	2.029467793	0.34010068	2.41E-09	0.000000649
<i>envC</i>	2.017704222	0.410796225	0.000000903	0.0000628
<i>fecB</i>	1.997641471	0.487998007	0.0000425	0.001299268
<i>insH1</i>	1.991216019	0.847543847	0.018803903	0.092338281
<i>thiE</i>	1.989836195	0.30695489	9.02E-11	6.07E-08
<i>fecD</i>	1.981985727	0.52639282	0.000166401	0.003552675
<i>eutA</i>	1.963097754	0.746999576	0.008589431	0.054265307
<i>insH1</i>	1.957977877	0.801366136	0.014553634	0.079628823
<i>rutF</i>	1.931832482	0.525004626	0.000233556	0.004533001
<i>dnaX</i>	1.927766047	0.463715124	0.0000322	0.001102111
<i>thiG</i>	1.921310832	0.520598354	0.000223742	0.004406074
<i>puuB</i>	1.908351904	0.651923748	0.003419602	0.029309836
<i>ilvA</i>	1.899235485	0.534587192	0.000381279	0.006549878
<i>yiaQ</i>	1.895720671	0.785449502	0.015798014	0.08282673
<i>rrsA</i>	1.881848857	1.008255253	0.061979703	0.199213425
<i>yjbE</i>	1.880811316	0.589013325	0.00140727	0.016003236
<i>nikE</i>	1.874872046	0.600262152	0.001787612	0.018842271
<i>flgF</i>	1.871334986	0.663593203	0.004802316	0.036648301
<i>hycB</i>	1.870932978	0.529834724	0.000413736	0.006930509
<i>hypF</i>	1.848334428	0.564461877	0.001058465	0.013146698
<i>gabT</i>	1.842352368	0.786903208	0.019218296	0.093250315
<i>astD</i>	1.839465769	0.702657291	0.008848039	0.0556379
<i>insB1</i>	1.838222498	0.741244368	0.013141397	0.074198348
<i>gutM</i>	1.829165735	0.297146633	7.47E-10	0.000000251
<i>rhsC</i>	1.826477043	0.578891839	0.001604285	0.017599178
<i>yagE</i>	1.822842196	0.693945892	0.008619741	0.054336839
<i>rrlA</i>	1.822533457	1.057129013	0.084700494	0.247600212
<i>ugpQ</i>	1.815108316	0.526086857	0.000560158	0.008731108
<i>fadA</i>	1.811771261	0.210220619	6.79E-18	2.74E-14
<i>napG</i>	1.80965424	0.757232356	0.016856316	0.086686559
<i>citX</i>	1.804065527	0.534975339	0.000745593	0.010487662
<i>eutK</i>	1.788488005	0.56528564	0.001556885	0.017266878
<i>ynjA</i>	1.77573729	0.477937063	0.000202866	0.004094847
<i>hycD</i>	1.774241487	0.483018051	0.000239494	0.004582204
<i>nfi</i>	1.774236275	0.354308409	0.000000551	0.0000455
<i>livG</i>	1.768299279	0.323906094	4.78E-08	0.00000715
<i>serB</i>	1.765849123	0.371446592	0.00000199	0.000120177

<i>eutT</i>	1.750042031	0.697506539	0.012107441	0.069428605
<i>metL</i>	1.749724606	0.373661532	0.00000283	0.000158786
<i>yidF</i>	1.741368908	0.256347076	1.1E-11	1.11E-08
<i>hflD</i>	1.737542224	0.480296719	0.000297298	0.005406265
<i>insH1</i>	1.737170378	0.554651271	0.001736171	0.018464291
<i>ulaD</i>	1.723781578	0.429410064	0.0000596	0.001731612
<i>fixB</i>	1.718973572	0.516761134	0.000879638	0.011498307
<i>yigA</i>	1.702690225	0.320848537	0.000000112	0.0000126
<i>entA</i>	1.697024988	0.70062771	0.015429006	0.082269422
<i>priC</i>	1.693774533	0.509273625	0.000881451	0.011498307
<i>paoB</i>	1.69372521	0.793569587	0.032817238	0.134228154
<i>priA</i>	1.69348153	0.354731606	0.00000181	0.000111055
<i>rrlD</i>	1.691095741	1.00560111	0.09263159	0.259509875
<i>lyxK</i>	1.684402384	0.408151381	0.0000368	0.001197024
<i>purE</i>	1.683744337	0.556983184	0.002503057	0.023858946
<i>rutD</i>	1.6741315	0.650747654	0.010092969	0.060632909
<i>hyaA</i>	1.664531568	0.451347983	0.000226102	0.00443094
<i>hyaD</i>	1.65707741	0.661753843	0.012277402	0.070203785
<i>phnP</i>	1.655642332	0.597081906	0.005556093	0.040016757
<i>araB</i>	1.650339304	0.525036772	0.001670641	0.018228046
<i>selB</i>	1.637936886	0.479007451	0.000627503	0.009452355
<i>copA</i>	1.629963306	0.565548534	0.003950435	0.03199144
<i>fhuA</i>	1.628195999	0.830842823	0.050031806	0.175087444
<i>uvrD</i>	1.618663503	0.446187857	0.000285888	0.005270004
<i>narJ</i>	1.612326362	0.497343148	0.001187444	0.014099149
<i>uhpB</i>	1.610330787	0.461361932	0.000482325	0.007726771
<i>yhjE</i>	1.587742883	0.324671823	0.00000101	0.000068
<i>hofN</i>	1.586987338	0.411433464	0.000114686	0.002615754
<i>nikB</i>	1.582574454	0.574738058	0.005895136	0.041899058
<i>nohD</i>	1.577229757	0.927220099	0.088937242	0.255835955
<i>ygbK</i>	1.570558066	0.220794483	1.13E-12	2.29E-09
<i>yehY</i>	1.553813054	0.675734312	0.021479753	0.100479447
<i>yhiI</i>	1.548273827	0.386877941	0.0000628	0.00177618
<i>mdtP</i>	1.541297595	0.398872761	0.000111484	0.002602194
<i>lhqO</i>	1.531728365	0.626951762	0.014560253	0.079628823
<i>insD1</i>	1.522559845	0.907405043	0.09336126	0.260469527
<i>ulaF</i>	1.520511783	0.243885241	4.53E-10	0.000000203
<i>rrlH</i>	1.516342325	0.754216751	0.044379762	0.162283603
<i>hisD</i>	1.506648359	0.528071125	0.004329277	0.033730895
<i>flgJ</i>	1.505839924	0.507102364	0.002982859	0.026700222
<i>rrsH</i>	1.498063874	0.505791909	0.003058279	0.027209873
<i>gldA</i>	1.497590614	0.244026425	8.41E-10	0.000000261
<i>fdrA</i>	1.482304442	0.517589537	0.004185117	0.03299867
<i>ssuD</i>	1.478429694	0.622873825	0.017617431	0.089461093
<i>yphD</i>	1.478388952	0.527290331	0.005051245	0.037692928
<i>yhbU</i>	1.476115819	0.434577027	0.000682106	0.009842458
<i>hscA</i>	1.470312906	0.465207174	0.001574688	0.017416483
<i>rrlC</i>	1.468718259	0.49387729	0.002940863	0.026441569
<i>thiP</i>	1.467883766	0.527714196	0.005409357	0.039135439

<i>rrsC</i>	1.465925804	1.110279539	0.186727743	0.409239902
<i>glxK</i>	1.464292513	0.567864102	0.009920252	0.060042067
<i>ybbJ</i>	1.450688125	0.541385277	0.007371338	0.048308591
<i>nrfE</i>	1.449012709	0.493403816	0.003316517	0.028608506
<i>chaC</i>	1.447042131	0.266679214	5.76E-08	0.0000083
<i>hycG</i>	1.445888501	0.528985807	0.006269902	0.043653382
<i>gutQ</i>	1.441769332	0.63021687	0.022152945	0.10255899
<i>qseB</i>	1.440289513	0.276603712	0.000000192	0.0000194
<i>pbpC</i>	1.43464877	0.58137095	0.013598444	0.07592935
<i>recR</i>	1.434114924	0.243336644	3.78E-09	0.000000898
<i>puuC</i>	1.411263568	0.686546861	0.039821391	0.152089835
<i>cysW</i>	1.410462107	0.504292655	0.005159361	0.037993333
<i>insD1</i>	1.40796413	0.747436727	0.059602386	0.195401212
<i>rrlG</i>	1.405124918	1.275090469	0.27047012	0.507911127
<i>insD1</i>	1.399258311	0.736737352	0.057529848	0.191308071
<i>bioC</i>	1.390127702	0.508603266	0.006271727	0.043653382
<i>paaJ</i>	1.390096045	0.605020091	0.021584388	0.100636236
<i>ilvB</i>	1.387339039	0.297817859	0.00000319	0.000171577
<i>hrpB</i>	1.387252143	0.506058657	0.006119898	0.043116977
<i>acpT</i>	1.384699921	0.409685303	0.000725093	0.01034346
<i>zipA</i>	1.376334853	0.429501201	0.001352992	0.01542946
<i>fliI</i>	1.37034634	0.731830655	0.061138701	0.198174274
<i>yfiF</i>	1.365443181	0.342390648	0.0000666	0.001842682
<i>eutE</i>	1.363733873	0.779915374	0.080365986	0.238556975
<i>ygdG</i>	1.362694914	0.290235718	0.00000266	0.000153657
<i>purL</i>	1.359954229	0.441484351	0.002067136	0.020605006
<i>purD</i>	1.352693279	0.558306183	0.015399197	0.082269422
<i>entS</i>	1.351941048	0.651676168	0.03802737	0.148181942
<i>stfR</i>	1.347455098	0.451342727	0.002831738	0.025631676
<i>yhdE</i>	1.343222629	0.295326818	0.00000541	0.000266303
<i>hemE</i>	1.340666096	0.247907441	6.38E-08	0.00000888
<i>ynjC</i>	1.335102826	0.710581304	0.060259761	0.195868482
<i>mutL</i>	1.334843459	0.425712274	0.001715303	0.018416703
<i>nnr</i>	1.326380745	0.475514374	0.005281233	0.038415026
<i>hycC</i>	1.325216547	0.607350385	0.029112205	0.122830431
<i>ybdH</i>	1.322642813	0.337932943	0.0000908	0.002277003
<i>bcsC</i>	1.316791701	0.455131317	0.00381323	0.03135236
<i>metR</i>	1.314434283	0.302410122	0.0000138	0.000563993
<i>yihV</i>	1.311702669	0.280955627	0.00000303	0.000165345
<i>paoD</i>	1.30985815	0.596509182	0.028101066	0.120387107
<i>mmuM</i>	1.30236312	0.830863695	0.117002286	0.303169594
<i>rimK</i>	1.294198129	0.285143855	0.00000566	0.000275232
<i>sdaB</i>	1.278444977	0.218636559	4.99E-09	0.00000112
<i>yihU</i>	1.277232677	0.284592062	0.00000719	0.000329908
<i>ssuB</i>	1.273456208	0.374639727	0.000675959	0.009842458
<i>hyaF</i>	1.270411413	0.339307523	0.00018102	0.003747579
<i>selA</i>	1.27032135	0.292197697	0.0000138	0.000563993
<i>bioF</i>	1.266996004	0.695213043	0.068385645	0.213513417
<i>amiB</i>	1.266993719	0.257656459	0.000000877	0.0000628

<i>tmcA</i>	1.266160551	0.449340552	0.004835099	0.036792193
<i>phnJ</i>	1.264822754	0.559528732	0.023789344	0.107184801
<i>kdpD</i>	1.262300091	0.563287194	0.025029124	0.111100339
<i>yjhG</i>	1.26202377	0.249217238	0.000000411	0.0000368
<i>bcsB</i>	1.25676335	0.319427265	0.0000834	0.002130803
<i>dnaA</i>	1.253195423	0.405097698	0.001977683	0.020095075
<i>ubiH</i>	1.25226	0.376051581	0.000868392	0.011498307
<i>cueR</i>	1.248432076	0.271761331	0.00000435	0.000222358
<i>ybgL</i>	1.239228252	0.6479335	0.05580113	0.18788087
<i>uhpT</i>	1.238167822	0.233390828	0.000000113	0.0000126
<i>insG</i>	1.235562324	0.316277225	0.0000936	0.00228814
<i>ypdF</i>	1.230297238	0.483741887	0.010981318	0.064341916
<i>glgA</i>	1.229388377	0.212371229	7.09E-09	0.00000143
<i>cysJ</i>	1.223743417	0.469560202	0.009156687	0.056870067
<i>yggW</i>	1.221921961	0.218379629	0.000000022	0.00000386
<i>glnG</i>	1.221444116	0.345773081	0.000411647	0.006930509
<i>nrfD</i>	1.221335803	0.433476865	0.004839399	0.036792193
<i>fhuC</i>	1.220997627	0.450978346	0.006780396	0.046470667
<i>dppF</i>	1.218182371	0.247983605	0.0000009	0.0000628
<i>argF</i>	1.217603811	0.516292031	0.018355754	0.091710618
<i>acs</i>	1.21510331	0.428332999	0.004556539	0.035037619
<i>nepI</i>	1.214402846	0.354796262	0.000619757	0.00937063
<i>ybbP</i>	1.213081203	0.448145129	0.006791601	0.046470667
<i>yihT</i>	1.209138567	0.31723421	0.000138125	0.003097846
<i>yjcE</i>	1.198142984	0.354092629	0.000715163	0.010237986
<i>dedD</i>	1.195192593	0.508385896	0.018725276	0.092338281
<i>ppc</i>	1.191588286	0.208865367	1.16E-08	0.00000224
<i>murP</i>	1.190148536	0.627027914	0.057685672	0.191668359
<i>yecS</i>	1.188872364	0.298852256	0.0000695	0.00188195
<i>kdpE</i>	1.184993479	0.522212672	0.023257507	0.105900142
<i>ftsN</i>	1.183647105	0.254474604	0.0000033	0.000175179
<i>amtB</i>	1.181334438	0.448853886	0.008491114	0.05389721
<i>kefF</i>	1.179248147	0.436425612	0.006891135	0.046598845
<i>carB</i>	1.17780927	0.36264408	0.001162854	0.014097423
<i>livH</i>	1.176306147	0.310364035	0.000150596	0.0033041
<i>yjgB</i>	1.170924303	0.229404213	0.000000332	0.0000312
<i>putA</i>	1.170586599	0.533152997	0.02812114	0.120387107
<i>recG</i>	1.16811281	0.459208038	0.010966793	0.064341916
<i>argH</i>	1.167270563	0.407191484	0.004148573	0.032774538
<i>mutS</i>	1.165798835	0.319247481	0.000260501	0.004891364
<i>leuC</i>	1.165156877	0.478530911	0.014897457	0.080722588
<i>argB</i>	1.16272315	0.351316246	0.000934228	0.011945893
<i>ygiF</i>	1.16195894	0.340796753	0.000650734	0.009658135
<i>recQ</i>	1.160499162	0.374142015	0.001923731	0.019661019
<i>sapC</i>	1.158798199	0.647303578	0.073422923	0.223199053
<i>glcF</i>	1.154149272	0.528917203	0.029102287	0.122830431
<i>bioA</i>	1.153952791	0.502807643	0.02173207	0.100957844
<i>mdtN</i>	1.153906851	0.538399696	0.032095757	0.131811364
<i>kbaZ</i>	1.153337737	0.335850126	0.000594559	0.009080555

<i>entF</i>	1.145527324	0.523372286	0.028615539	0.12160098
<i>yhaM</i>	1.144087395	0.44939676	0.010901851	0.064341916
<i>glnE</i>	1.143618771	0.409811317	0.005261072	0.03833745
<i>ilvI</i>	1.142801519	0.212775036	7.83E-08	0.00000961
<i>mdtB</i>	1.12882044	0.585710124	0.053946226	0.183781364
<i>hda</i>	1.1171936	0.361591564	0.002003883	0.020173759
<i>mokC</i>	1.116960077	2.351766891	0.63482613	0.810278348
<i>yhhS</i>	1.105941359	0.501541375	0.027448131	0.118765385
<i>yqjH</i>	1.104420753	0.354589497	0.001841658	0.019112528
<i>recD</i>	1.099599112	0.458881084	0.016563265	0.085520737
<i>yihQ</i>	1.096645698	0.203332009	6.91E-08	0.0000093
<i>uhpA</i>	1.091568805	0.232412716	0.00000264	0.000153657
<i>fabB</i>	1.079473971	0.40692268	0.007983327	0.051401418
<i>yiaD</i>	1.078381459	0.253776931	0.0000214	0.000794114
<i>glcC</i>	1.075110937	0.214606817	0.000000545	0.0000455
<i>qorB</i>	1.072185357	0.412003256	0.009258162	0.057236139
<i>tauC</i>	1.07158409	0.670800597	0.110160893	0.29123741
<i>eutC</i>	1.071470599	0.421093602	0.010943585	0.064341916
<i>rrsG</i>	1.068818961	0.758361549	0.158723084	0.369343025
<i>yehM</i>	1.068218431	0.516497682	0.038621598	0.148963176
<i>yihP</i>	1.066233293	0.332441848	0.001339976	0.015324318
<i>metE</i>	1.065685921	0.272676897	0.000093	0.00228814
<i>scpA</i>	1.065585089	0.359456677	0.003032417	0.027083775
<i>hofM</i>	1.064220636	0.514916261	0.038754522	0.14914395
<i>norW</i>	1.063216533	0.471643873	0.024178668	0.107968693
<i>nrfC</i>	1.06287309	0.42257648	0.011895791	0.068604724
<i>aeqA</i>	1.060614031	0.491261236	0.030853164	0.128010506
<i>moeA</i>	1.054083662	0.382094126	0.00580315	0.041597702
<i>kdpB</i>	1.048730462	0.548283701	0.055779875	0.18788087
<i>ampH</i>	1.045056408	0.230673211	0.00000589	0.000281845
<i>paoC</i>	1.041675588	0.677670134	0.124258409	0.313911887
<i>ssb</i>	1.035048599	0.308782063	0.000802196	0.01090392
<i>lplT</i>	1.031213247	0.305502296	0.000736902	0.010439255
<i>cstA</i>	1.03011983	0.511418717	0.043984384	0.161655802
<i>yraQ</i>	1.029986542	0.415213165	0.01311537	0.074155111
<i>fadH</i>	1.029216598	0.546559387	0.059689144	0.195401212
<i>yaiC</i>	1.027933827	0.256700505	0.0000622	0.00177618
<i>hypE</i>	1.026211986	0.331820301	0.00198362	0.020095075
<i>mrcA</i>	1.019987562	0.23511321	0.0000144	0.000579715
<i>insK</i>	1.019742744	0.320366646	0.001457329	0.016433627
<i>yeiE</i>	1.019021455	0.340704035	0.002781305	0.025398642
<i>paaD</i>	1.01746924	0.336850248	0.002523254	0.023858946
<i>leuB</i>	1.016244669	0.270617802	0.00017315	0.0036218
<i>yiaN</i>	1.01620988	0.384016613	0.008138593	0.05206894
<i>ygcN</i>	1.010792312	0.326952388	0.00199109	0.020095075
<i>frvB</i>	1.010322448	0.44181366	0.02220975	0.102704195
<i>yigZ</i>	1.007835153	0.388526457	0.009486825	0.058381571
<i>gspH</i>	1.007780822	0.431344453	0.019471896	0.094254249
<i>kefC</i>	1.007385427	0.443998528	0.023274796	0.105900142

<i>yhgF</i>	1.006247009	0.443951232	0.023416442	0.106335408
<i>flu</i>	1.006096326	0.347373673	0.003775983	0.031109478
<i>hyfB</i>	1.000921012	0.542310655	0.064941608	0.206435222
<i>proW</i>	0.999449426	0.548073361	0.068217302	0.213152669
<i>argI</i>	0.997091937	0.216136723	0.00000396	0.000205177
<i>rhaB</i>	0.996253072	0.243068849	0.0000416	0.001280668
<i>napA</i>	0.994840317	0.47354188	0.035654162	0.141669146
<i>eutJ</i>	0.994775537	0.528789013	0.05994018	0.195851341
<i>ycjO</i>	0.99394457	0.4409027	0.02417479	0.107968693
<i>panB</i>	0.993391806	0.225388655	0.0000105	0.000449177
<i>hldE</i>	0.993232057	0.219960524	0.00000632	0.000296518
<i>mak</i>	0.988971591	0.416944462	0.017694465	0.089739392
<i>ylbF</i>	0.988249959	0.430481495	0.021693892	0.100896594
<i>pepB</i>	0.987035286	0.208180732	0.00000212	0.000126104
<i>gph</i>	0.981606732	0.272195004	0.000310638	0.005598427
<i>panM</i>	0.981141942	0.48410411	0.042691381	0.159578802
<i>yajL</i>	0.971883416	0.50742057	0.055449031	0.187320284
<i>guaC</i>	0.970145926	0.236511712	0.000041	0.00127549
<i>hyfD</i>	0.968376925	0.493584488	0.049770939	0.174414305
<i>livF</i>	0.967737333	0.34435102	0.004949192	0.037253735
<i>gfcA</i>	0.967713973	0.472157495	0.040407624	0.153402862
<i>ubiF</i>	0.967560515	0.390495248	0.013220339	0.074435857
<i>dcd</i>	0.96647296	0.354560069	0.006413866	0.044185627
<i>ycjQ</i>	0.96588064	0.591093982	0.102247102	0.276900479
<i>yggF</i>	0.965829928	0.357316399	0.00687146	0.046598845
<i>glcD</i>	0.961240615	0.519131908	0.064078861	0.204818973
<i>ribD</i>	0.960524321	0.234196736	0.0000411	0.00127549
<i>envZ</i>	0.960205216	0.326567434	0.003278979	0.028467177
<i>yiaS</i>	0.959139274	0.261668457	0.00024688	0.004690825
<i>tsaD</i>	0.95850827	0.403445484	0.017510659	0.089255719
<i>dgoK</i>	0.95678515	0.380511858	0.011921189	0.068653124
<i>ptsA</i>	0.953626617	0.441925919	0.030936544	0.12822467
<i>glpG</i>	0.952955481	0.214589644	0.00000896	0.000393229
<i>insD1</i>	0.950372877	1.129924026	0.400294999	0.631204301
<i>norR</i>	0.949574401	0.482080232	0.048867775	0.172145907
<i>yahG</i>	0.949243046	0.764726235	0.21450056	0.443099451
<i>nrdI</i>	0.947256621	0.351817545	0.007092586	0.047326893
<i>tar</i>	0.945795115	0.531408905	0.075110686	0.227302728
<i>mdlB</i>	0.944360141	0.312215648	0.00248876	0.023808349
<i>ulaE</i>	0.943014036	0.487681657	0.053154056	0.182313445
<i>ada</i>	0.941566302	0.601891716	0.117736567	0.304485921
<i>radA</i>	0.940090047	0.55776004	0.091897157	0.258953448
<i>ypfG</i>	0.940061403	0.40923809	0.021612984	0.100636236
<i>metH</i>	0.939149928	0.267396733	0.000444419	0.00726364
<i>emrA</i>	0.938686795	0.236734965	0.0000734	0.001944517
<i>Int</i>	0.937370995	0.263141366	0.000367713	0.006398524
<i>lldD</i>	0.937061078	0.213623765	0.0000115	0.000489489
<i>insD1</i>	0.931819025	1.083817041	0.38992314	0.622427726
<i>acuI</i>	0.930367644	0.318937154	0.003533164	0.030091528

<i>folB</i>	0.92980049	0.279479613	0.000878181	0.011498307
<i>ygjK</i>	0.925949477	0.37619611	0.01384161	0.076923605
<i>insD1</i>	0.92371172	1.065158001	0.385828989	0.620060362
<i>rihC</i>	0.923613305	0.283048648	0.001102044	0.013563876
<i>xylB</i>	0.922050958	0.210894314	0.0000123	0.000513782
<i>cysS</i>	0.921310043	0.220443497	0.0000292	0.001024928
<i>wecD</i>	0.918430752	0.311151413	0.00316013	0.027854679
<i>glnL</i>	0.916374826	0.234402471	0.0000925	0.00228814
<i>glcB</i>	0.915284563	0.369750359	0.013308247	0.0746186
<i>fepB</i>	0.913695067	0.395573718	0.020899384	0.098300179
<i>purH</i>	0.912933106	0.287680526	0.001506509	0.016847022
<i>gpsA</i>	0.912708409	0.289223375	0.001601017	0.017599178
<i>citE</i>	0.91177382	0.496720885	0.066418934	0.20947909
<i>insL1</i>	0.911720053	1.150572957	0.428124419	0.651957102
<i>cysE</i>	0.911114337	0.332886444	0.006199995	0.043378474
<i>hisA</i>	0.907506752	0.624705839	0.146308587	0.350740954
<i>ytfT</i>	0.907077762	0.621404147	0.14436629	0.348152159
<i>insL1</i>	0.904644411	1.131541477	0.424012328	0.649369412
<i>ade</i>	0.903517156	0.248022253	0.000269597	0.005015493
<i>rbbA</i>	0.90202402	0.523522675	0.084890442	0.247717609
<i>garL</i>	0.898718928	0.252728786	0.000376457	0.006522562
<i>yacH</i>	0.896234976	0.210110729	0.0000199	0.000766483
<i>basS</i>	0.893508684	0.249654348	0.000344934	0.006080776
<i>rhlE</i>	0.892665197	0.248613942	0.000329958	0.005893993
<i>yjbB</i>	0.892566531	0.307860232	0.003740458	0.031006634
<i>flgH</i>	0.892337272	0.352479643	0.011354361	0.066048353
<i>visC</i>	0.89159139	0.253448752	0.00043508	0.007169046
<i>wcaI</i>	0.89047506	0.763491318	0.243485161	0.476466115
<i>entC</i>	0.88952241	0.417315778	0.033045245	0.134479491
<i>uvrA</i>	0.888240546	0.288085664	0.002047521	0.020510771
<i>gor</i>	0.887375648	0.217449388	0.0000449	0.001362068
<i>ggt</i>	0.885799855	0.397688474	0.025922476	0.11376265
<i>yaaJ</i>	0.876944159	0.392576483	0.025495093	0.112607977
<i>yggR</i>	0.875745117	0.384580257	0.022777551	0.104610893
<i>murF</i>	0.873654224	0.217109743	0.0000572	0.001685897
<i>yfjR</i>	0.873519825	0.265548557	0.001003684	0.012613194
<i>lldR</i>	0.870911813	0.225632393	0.000113447	0.002602194
<i>yidR</i>	0.870614085	0.248421531	0.000457322	0.007414486
<i>fdhD</i>	0.865808285	0.322620037	0.007281721	0.048019975
<i>purK</i>	0.864884986	0.386731513	0.025325813	0.111982811
<i>recF</i>	0.861236255	0.296276667	0.003650708	0.03080262
<i>ilvD</i>	0.858632967	0.329547259	0.009174224	0.056891461
<i>ilvY</i>	0.857688801	0.433583139	0.047912746	0.169818925
<i>cynX</i>	0.857044157	0.638911736	0.179786577	0.399854937
<i>dinF</i>	0.85667037	0.391017683	0.028460931	0.121558519
<i>recB</i>	0.855902359	0.416941682	0.040090937	0.15254205
<i>yphG</i>	0.854375275	0.465089919	0.066208278	0.209141487
<i>glyS</i>	0.853855887	0.222420478	0.000123573	0.002802616
<i>cbeA</i>	0.851511064	0.315636639	0.00698083	0.046891201

<i>ilvE</i>	0.851276249	0.379022948	0.024705578	0.109841872
<i>bdcA</i>	0.849829594	0.253860716	0.000815082	0.010968293
<i>tauA</i>	0.848868461	0.279392399	0.002379437	0.023090837
<i>kdpC</i>	0.847152458	0.446673885	0.057883481	0.191882081
<i>phnO</i>	0.846506499	0.600585701	0.158696745	0.369343025
<i>adiC</i>	0.842531579	0.242285468	0.000506239	0.007983148
<i>cdaR</i>	0.841038753	0.261626493	0.001306017	0.015107132
<i>insL1</i>	0.840983581	0.991657129	0.39640521	0.628375685
<i>ydiK</i>	0.840140978	0.243658857	0.000564709	0.0087346
<i>katG</i>	0.837924069	0.212715359	0.0000818	0.002102341
<i>uhpC</i>	0.837422861	0.405813583	0.039058943	0.149744494
<i>alr</i>	0.835903454	0.279218893	0.002755979	0.02538587
<i>livJ</i>	0.834730595	0.242316457	0.000571492	0.008805775
<i>folD</i>	0.832788703	0.477296826	0.081019251	0.240137904
<i>araD</i>	0.827851106	0.399599409	0.038293191	0.148358554
<i>yiaR</i>	0.827633966	0.56854641	0.145475104	0.349573212
<i>cusB</i>	0.826337363	0.469618956	0.078477151	0.234502043
<i>malK</i>	0.825594174	0.212672457	0.000103601	0.002474788
<i>frlB</i>	0.822736484	0.367464678	0.025158914	0.111489064
<i>rhaA</i>	0.822543876	0.373536674	0.02766226	0.119308274
<i>lldP</i>	0.822432469	0.243835036	0.000743795	0.010487662
<i>yphB</i>	0.822309292	0.417373813	0.048815617	0.172112353
<i>ebgA</i>	0.821906646	0.307731037	0.00756571	0.049421961
<i>fdhF</i>	0.820591574	0.204353635	0.0000593	0.001731612
<i>insF1</i>	0.816163588	1.14500046	0.475965601	0.693434122
<i>cheR</i>	0.8152102	0.481239543	0.090269068	0.257902497
<i>ybiW</i>	0.814794614	0.48491767	0.092903993	0.259732285
<i>btuC</i>	0.813422168	0.532362506	0.126525476	0.318348837
<i>mreC</i>	0.81029793	0.278911994	0.003670067	0.03080262
<i>gadA</i>	0.810070391	0.505314331	0.108912147	0.290025288
<i>yjbH</i>	0.807133432	0.299113638	0.006967003	0.046876322
<i>ycjX</i>	0.806889223	0.515349337	0.117415791	0.30399856
<i>thrB</i>	0.805531098	0.31897168	0.011556665	0.066935804
<i>kbl</i>	0.803703019	0.239544031	0.000793257	0.010820854
<i>rtcR</i>	0.803037629	0.511275874	0.11626298	0.302418589
<i>rlpA</i>	0.802865381	0.313418566	0.010417939	0.062280087
<i>ybgJ</i>	0.801953438	0.516832457	0.120741195	0.309308482
<i>cueO</i>	0.798105114	0.266755295	0.002772472	0.02538587
<i>moeB</i>	0.796667663	0.395146105	0.043785922	0.161575654
<i>mog</i>	0.795138314	0.332890083	0.016913111	0.086867976
<i>xylF</i>	0.793981751	0.404035261	0.049399211	0.173448284
<i>yjjW</i>	0.793173834	0.403041851	0.049071615	0.172562812
<i>patA</i>	0.792804298	0.396667098	0.045644707	0.164880193
<i>frlD</i>	0.787618742	0.380691378	0.038553906	0.148963176
<i>livM</i>	0.786603211	0.433245001	0.069430483	0.215277157
<i>argK</i>	0.785827605	0.279137904	0.004874766	0.03695039
<i>yjhH</i>	0.785804691	0.324167409	0.015347621	0.082269422
<i>nfrB</i>	0.784524878	0.410168476	0.055787833	0.18788087
<i>ybhP</i>	0.783060227	0.402907417	0.051952881	0.179259642

<i>kdpA</i>	0.782371857	0.4622042	0.090513076	0.258179976
<i>holC</i>	0.781918468	0.290879876	0.007185671	0.047790039
<i>wecE</i>	0.778641977	0.351576254	0.026779481	0.116496515
<i>fryA</i>	0.776760067	0.565730735	0.169745881	0.384904479
<i>yfcJ</i>	0.775814753	0.48217017	0.107615004	0.287139306
<i>dppB</i>	0.775066721	0.22050816	0.0004399	0.007219012
<i>aroC</i>	0.775054234	0.588980092	0.188198871	0.410760621
<i>tdcE</i>	0.773126549	0.232192433	0.000869458	0.011498307
<i>fic</i>	0.771019916	0.237743314	0.001182462	0.014099149
<i>hyaB</i>	0.768590186	0.547163427	0.160116095	0.371274368
<i>mdtC</i>	0.768171072	0.664156125	0.247430838	0.481726239
<i>ycjT</i>	0.765107877	0.581969059	0.188614701	0.410778023
<i>yfgC</i>	0.764803872	0.287929112	0.007902139	0.051041494
<i>qlcA</i>	0.764723986	0.352919733	0.030246323	0.126271361
<i>rsxC</i>	0.764028289	0.643971281	0.235451646	0.467572833
<i>wcaG</i>	0.762258692	0.511188516	0.13592215	0.333567003
<i>yjbF</i>	0.759874818	0.343031274	0.026747952	0.116484879
<i>cysI</i>	0.759758618	0.532611517	0.15373041	0.363399154
<i>phnD</i>	0.759302478	0.459345574	0.098328983	0.271328847
<i>lptG</i>	0.757559589	0.329216461	0.02138605	0.100157173
<i>ygiD</i>	0.755342492	0.257023019	0.003294722	0.028481355
<i>srlE</i>	0.754498688	0.26995646	0.005191733	0.038038161
<i>malZ</i>	0.75361998	0.348043343	0.030364338	0.126567523
<i>yfaQ</i>	0.752580271	0.336473594	0.02530794	0.111982811
<i>hemH</i>	0.748540476	0.219956634	0.000666192	0.009779695
<i>ybiC</i>	0.745477715	0.492776779	0.130327889	0.323774577
<i>bcsG</i>	0.745266608	0.289371862	0.01001059	0.0604077
<i>qorA</i>	0.743764239	0.230476804	0.001250659	0.014634521
<i>eutL</i>	0.741956338	0.435916126	0.088743718	0.255716197
<i>paaG</i>	0.740489364	0.363790679	0.041802402	0.157716167
<i>frlC</i>	0.740462068	0.260652331	0.004500002	0.034735199
<i>insF1</i>	0.739534658	0.977919181	0.449509571	0.669619977
<i>rlmB</i>	0.738271722	0.278198158	0.007959993	0.051333053
<i>cheB</i>	0.738063519	0.566203046	0.192393362	0.413574016
<i>sufA</i>	0.737412129	0.370095539	0.046317182	0.165911681
<i>trpD</i>	0.737106414	0.57643807	0.20099352	0.424378054
<i>prpD</i>	0.735470328	0.694379874	0.289519744	0.5288648
<i>glpX</i>	0.734192907	0.257377769	0.004336471	0.033730895
<i>mscM</i>	0.733343878	0.491122329	0.135384834	0.332848571
<i>aidB</i>	0.731873949	0.32211154	0.023079661	0.105518226
<i>hemC</i>	0.731244414	0.218779912	0.000830649	0.011076781
<i>lhr</i>	0.730125392	0.583844714	0.211099712	0.437969394
<i>xylH</i>	0.727583581	0.247847241	0.003328894	0.028654036
<i>cusA</i>	0.726879636	0.493550621	0.140816842	0.342456381
<i>ccmF</i>	0.72549488	0.528742422	0.170027952	0.384904479
<i>fsr</i>	0.723780709	0.374865119	0.053510716	0.18322541
<i>lplA</i>	0.720968785	0.587852645	0.220031358	0.45011601
<i>malQ</i>	0.720783111	0.250966538	0.004078459	0.032628631
<i>galE</i>	0.720619776	0.213489192	0.00073698	0.010439255

<i>ygcR</i>	0.717321702	0.457626087	0.117001535	0.303169594
<i>adiA</i>	0.71380818	0.220169113	0.001186564	0.014099149
<i>glrR</i>	0.712002682	0.513414251	0.165502877	0.378709686
<i>tesA</i>	0.711292355	0.233487484	0.002316124	0.022639694
<i>yhhQ</i>	0.71126117	0.226702563	0.001704417	0.018348621
<i>gsiA</i>	0.711209867	0.423153541	0.092813985	0.259660471
<i>wcaH</i>	0.710657969	0.674710296	0.292213287	0.53151325
<i>ynjB</i>	0.705220986	0.599455617	0.239420815	0.471496507
<i>cca</i>	0.699915252	0.212754922	0.001002685	0.012613194
<i>mdtF</i>	0.698975943	0.233415402	0.002748429	0.02538587
<i>tamB</i>	0.698891454	0.262159907	0.007678309	0.04991519
<i>rhaD</i>	0.698304014	0.248840669	0.005012499	0.037473068
<i>rapA</i>	0.698151658	0.280448316	0.012795426	0.072753713
<i>ilvC</i>	0.696949041	0.244796308	0.004412546	0.03419088
<i>ycjF</i>	0.696050501	0.584023481	0.233332077	0.465856377
<i>eutQ</i>	0.695617018	0.613045549	0.25650498	0.492631115
<i>trpB</i>	0.695404495	0.42635505	0.102880714	0.277812336
<i>yheT</i>	0.69526188	0.343874909	0.043192333	0.160264199
<i>norV</i>	0.69526023	0.360063549	0.053490775	0.18322541
<i>yahF</i>	0.693999337	0.637896298	0.27661714	0.51382911
<i>yjcD</i>	0.693665713	0.222591899	0.001831287	0.019053877
<i>fliA</i>	0.69345312	0.515783087	0.178797558	0.399008148
<i>bglX</i>	0.693325868	0.286918353	0.015672377	0.082489419
<i>nirB</i>	0.692685725	0.229451214	0.002537108	0.023874841
<i>tldD</i>	0.689452525	0.23279387	0.003060015	0.027209873
<i>selU</i>	0.689375606	0.252304522	0.006289085	0.043698855
<i>phr</i>	0.688949233	0.285968783	0.01598857	0.08350046
<i>ugpA</i>	0.688921176	0.292909533	0.018673125	0.092338281
<i>yjcZ</i>	0.688895622	0.298005805	0.020795035	0.098185682
<i>insH1</i>	0.688798777	0.642096246	0.283390269	0.520968359
<i>recJ</i>	0.686158415	0.324148367	0.034276524	0.138374326
<i>ytfF</i>	0.685284837	0.303923122	0.024146095	0.107968693
<i>pdxJ</i>	0.685148829	0.279135696	0.014106624	0.07801936
<i>rnhB</i>	0.684303844	0.646742083	0.29001969	0.529167081
<i>aslA</i>	0.682810492	0.254180343	0.007224322	0.047889307
<i>yicH</i>	0.681579658	0.28169135	0.015537699	0.082350786
<i>pncC</i>	0.681524652	0.365098562	0.061945344	0.199213425
<i>citG</i>	0.681507256	0.335387145	0.042153482	0.158448422
<i>gltS</i>	0.681350609	0.225462414	0.002510988	0.023858946
<i>yhbW</i>	0.680948359	0.305331981	0.025734826	0.113301556
<i>yiiD</i>	0.679796829	0.32890039	0.038745695	0.14914395
<i>hcaT</i>	0.678618248	0.503096342	0.177374457	0.396793952
<i>yjjV</i>	0.677530766	0.376214034	0.071715747	0.219830272
<i>bcsZ</i>	0.676334343	0.447294181	0.130519336	0.324050775
<i>pflD</i>	0.675710331	0.339619861	0.046634154	0.166898617
<i>hcaB</i>	0.673897566	0.524416816	0.198777653	0.42212803
<i>betB</i>	0.673723743	0.765021351	0.378501845	0.613112592
<i>ftsP</i>	0.67208301	0.244748889	0.006032484	0.042649979
<i>feoB</i>	0.67067808	0.369944238	0.069844673	0.21606356

<i>dgoR</i>	0.66793681	0.260581371	0.01036955	0.062109606
<i>nfrA</i>	0.667272394	0.481434349	0.165744121	0.378883928
<i>nanT</i>	0.666306683	0.455679207	0.14367887	0.34690885
<i>fiu</i>	0.665686046	0.360753645	0.064999011	0.206435222
<i>hyfH</i>	0.664072608	0.348457092	0.056682461	0.189898004
<i>ycjR</i>	0.662503371	0.52540236	0.207328738	0.433446977
<i>ttdA</i>	0.65986949	0.269637465	0.014395213	0.079281686
<i>lpoA</i>	0.659543698	0.388060914	0.089208436	0.255983572
<i>ybgK</i>	0.6564695	0.326139145	0.044130308	0.16181113
<i>mdtA</i>	0.655323688	0.48917979	0.180363162	0.400413305
<i>modB</i>	0.653696156	0.496414323	0.187893668	0.410760621
<i>yicI</i>	0.653214298	0.217703531	0.002695577	0.025016192
<i>gyrB</i>	0.649771366	0.252275783	0.010005502	0.0604077
<i>ybjJ</i>	0.648923966	0.412417724	0.115611685	0.301112498
<i>betI</i>	0.648910617	0.438771271	0.139159864	0.339449168
<i>nanC</i>	0.648672911	0.265465293	0.014544284	0.079628823
<i>malT</i>	0.647070256	0.247431839	0.008918946	0.055909602
<i>folC</i>	0.64636839	0.49407172	0.190789172	0.411983443
<i>torA</i>	0.645645231	0.508133883	0.203863759	0.427753635
<i>hemF</i>	0.645188938	0.386995472	0.095479735	0.265097448
<i>ydhB</i>	0.643150198	0.419818971	0.125529762	0.316727281
<i>mdtD</i>	0.64222128	0.46515922	0.167387128	0.381559479
<i>ypjK</i>	0.637625187	0.369108216	0.084082405	0.246686533
<i>ybcF</i>	0.637070644	0.377055815	0.091105958	0.258953448
<i>bcsA</i>	0.635107468	0.268985184	0.01821962	0.091523534
<i>yjcS</i>	0.634767294	0.377401019	0.092579743	0.259509875
<i>kefB</i>	0.633525205	0.325579027	0.051673773	0.178754947
<i>hypD</i>	0.62994384	0.246791826	0.010694332	0.06358324
<i>dppD</i>	0.629271409	0.306998823	0.040388651	0.153402862
<i>dadX</i>	0.628745779	0.543167265	0.247045836	0.481333995
<i>yaaU</i>	0.628054552	0.331787018	0.058365194	0.192282462
<i>php</i>	0.627270928	0.247597731	0.011295307	0.06589473
<i>fabA</i>	0.626535768	0.416808745	0.132794366	0.327884315
<i>nuoL</i>	0.623483078	0.251479249	0.013165437	0.074230263
<i>recO</i>	0.62332463	0.27985354	0.025925598	0.11376265
<i>entE</i>	0.623040996	0.51409223	0.225541263	0.456624913
<i>plsB</i>	0.622947463	0.239943486	0.009425411	0.058092189
<i>ytfE</i>	0.622712633	0.233689303	0.00770563	0.050012263
<i>arsB</i>	0.622562173	0.39000731	0.110425547	0.29174603
<i>ascF</i>	0.622117553	0.43112885	0.149021371	0.355920987
<i>nirC</i>	0.617457365	0.326278423	0.05843441	0.192282462
<i>gntU</i>	0.617175317	0.3972022	0.120230605	0.308563861
<i>insB1</i>	0.617014533	1.299239751	0.634855193	0.810278348
<i>frwC</i>	0.616585091	0.255543838	0.015828988	0.082881485
<i>treF</i>	0.615043169	0.296531087	0.038067506	0.148195297
<i>atoD</i>	0.613769525	0.248454778	0.013498203	0.07550954
<i>hyfG</i>	0.612621836	0.397550659	0.12331907	0.313500683
<i>hyfF</i>	0.609324456	0.418485929	0.145386712	0.349573212
<i>thiQ</i>	0.608160399	0.539482373	0.259614158	0.496241647

<i>yhbV</i>	0.6081451	0.310649533	0.050270324	0.175472242
<i>yedZ</i>	0.608003786	0.735997079	0.408749989	0.637359484
<i>gltJ</i>	0.607635234	0.234767219	0.009646616	0.059094671
<i>dapF</i>	0.606620314	0.258101708	0.01875753	0.092338281
<i>yhjK</i>	0.604854418	0.205017228	0.003175052	0.027925236
<i>artQ</i>	0.602777978	0.344444598	0.080118348	0.238162499
<i>yjfC</i>	0.601334877	0.222450507	0.006866922	0.046598845
<i>ccmC</i>	0.60095921	0.289465332	0.037884628	0.147960422
<i>xerC</i>	0.600916948	0.232784668	0.009839241	0.059710616
<i>sbcD</i>	0.59952441	0.302617017	0.047576416	0.169370362
<i>yjjP</i>	0.598805604	0.217656128	0.005938565	0.042059629
<i>wzxE</i>	0.598138481	0.283334432	0.034766398	0.139403565
<i>yigB</i>	0.597776987	0.480029315	0.21302419	0.440788649
<i>yicO</i>	0.596203952	0.20774047	0.004105418	0.03268949
<i>pepA</i>	0.595960898	0.319148012	0.061852789	0.199213425
<i>alsK</i>	0.594452579	0.301570736	0.04870239	0.172013602
<i>tdcG</i>	0.593661616	0.219471433	0.006831246	0.046515543
<i>tap</i>	0.593606229	0.491462777	0.227110512	0.458207332
<i>yjdL</i>	0.592413902	0.21923376	0.00688819	0.046598845
<i>ybbN</i>	0.592248712	0.30792158	0.054432954	0.184971243
<i>kdgK</i>	0.591675404	0.285373643	0.038141035	0.148195724
<i>ygfS</i>	0.591312738	0.254804008	0.020305356	0.09712408
<i>sgrR</i>	0.590303434	0.357960997	0.099132898	0.272244565
<i>yhjG</i>	0.590204645	0.33917909	0.08184192	0.241694098
<i>ileS</i>	0.589740854	0.218469485	0.006946049	0.046813359
<i>abrB</i>	0.588454972	0.407865991	0.149086547	0.355920987
<i>fixC</i>	0.588229598	0.358832721	0.101153628	0.276103582
<i>mnmE</i>	0.587741974	0.260073235	0.023826868	0.107234188
<i>narW</i>	0.586829804	0.366764214	0.109594313	0.291073842
<i>damX</i>	0.586695526	0.24995401	0.018914393	0.092369789
<i>yhgE</i>	0.586256966	0.231330162	0.011267648	0.065828503
<i>gntT</i>	0.586129662	0.248759989	0.018462699	0.091903719
<i>puuA</i>	0.582804916	0.363651114	0.109012277	0.290100569
<i>gcd</i>	0.582341624	0.289084768	0.043964192	0.161655802
<i>potG</i>	0.582291941	0.409589847	0.155128921	0.365376577
<i>dsbD</i>	0.581451295	0.277011355	0.035815481	0.142030547
<i>tkkB</i>	0.581438955	0.412010485	0.158178668	0.369327521
<i>mdtO</i>	0.581220794	0.387426692	0.133560417	0.329328554
<i>ybaE</i>	0.580618535	0.305252738	0.057159237	0.190726867
<i>amiD</i>	0.579264887	0.635770806	0.362230998	0.598823316
<i>yhiN</i>	0.578655504	0.215827615	0.00733805	0.048168628
<i>yidG</i>	0.57853696	0.256403573	0.024048535	0.107871042
<i>mdtE</i>	0.578507356	0.228630972	0.011396162	0.066196122
<i>bcr</i>	0.577522532	0.368191857	0.116755874	0.303169594
<i>fadB</i>	0.577439384	0.319543749	0.070750652	0.217532661
<i>rutA</i>	0.576178604	0.399983222	0.14972403	0.357231625
<i>yjeH</i>	0.575227251	0.241599683	0.017269902	0.088475372
<i>yihS</i>	0.573949975	0.235612246	0.014850938	0.080690764
<i>hcp</i>	0.573052745	0.417965351	0.170358363	0.384904479

<i>mreB</i>	0.571077022	0.512649814	0.265291631	0.502808599
<i>yraN</i>	0.570771829	0.380224916	0.133318676	0.328977686
<i>poxB</i>	0.570275097	0.424476118	0.179116657	0.399278821
<i>purP</i>	0.56938669	0.265423853	0.031937028	0.131561002
<i>yhfW</i>	0.567589257	0.248338574	0.022280827	0.102797371
<i>ybiS</i>	0.56732075	0.477975085	0.235257063	0.467572833
<i>leuA</i>	0.567172695	0.313338842	0.070281243	0.216559535
<i>fumB</i>	0.566466708	0.281572319	0.044241205	0.162070548
<i>torS</i>	0.564175439	0.403975639	0.162546506	0.374436109
<i>apaH</i>	0.562962012	0.321752001	0.080174098	0.238162499
<i>rtcB</i>	0.562522764	0.220176696	0.010622756	0.063250835
<i>mutY</i>	0.562346233	0.364341304	0.122719203	0.31217229
<i>dusC</i>	0.561171395	0.400400977	0.161057574	0.37260139
<i>panF</i>	0.560349649	0.366773356	0.126566728	0.318348837
<i>yibQ</i>	0.559676289	0.245541237	0.022645816	0.104124325
<i>sgcX</i>	0.55800364	0.322715775	0.083793531	0.24619686
<i>mdtL</i>	0.557117843	0.253667939	0.028074158	0.120387107
<i>ykfG</i>	0.556852363	0.563307826	0.322888216	0.562426756
<i>yihM</i>	0.556750028	0.382018797	0.145009006	0.34928482
<i>yedD</i>	0.556587972	0.358859571	0.120903836	0.309308482
<i>aceF</i>	0.555776238	0.290778321	0.055960901	0.187953471
<i>entB</i>	0.555305006	0.377929748	0.141742235	0.344292059
<i>yiaY</i>	0.553151965	0.276629707	0.045542222	0.164880193
<i>hsrA</i>	0.552676735	0.252383949	0.028536916	0.12160098
<i>yhbS</i>	0.55265129	0.307250675	0.072066407	0.220236248
<i>lpxK</i>	0.552211215	0.407182718	0.175043344	0.393238721
<i>ubiA</i>	0.550117286	0.220045881	0.012418919	0.070812396
<i>ugpE</i>	0.550029868	0.33302332	0.098610881	0.271356895
<i>yafV</i>	0.549369362	0.360551395	0.127585609	0.31982398
<i>insI1</i>	0.549149435	0.856621232	0.521480798	0.730978466
<i>ygjJ</i>	0.547449326	0.225391654	0.015145536	0.081523371
<i>kdsC</i>	0.546636441	0.257013569	0.033430242	0.135636068
<i>yjfP</i>	0.543644565	0.248374226	0.028610484	0.12160098
<i>yidK</i>	0.540529603	0.276713219	0.050773072	0.176404667
<i>aer</i>	0.540456564	0.278594654	0.052387135	0.180318709
<i>metB</i>	0.538548143	0.341774282	0.115085238	0.300322628
<i>eptA</i>	0.536646696	0.265057262	0.042903894	0.159762217
<i>ybdL</i>	0.535908707	0.348524901	0.124134641	0.313911887
<i>aslB</i>	0.534417554	0.214634169	0.012777915	0.072753713
<i>waaA</i>	0.534199975	0.214729642	0.012854345	0.072907843
<i>ftsE</i>	0.533662475	0.405725672	0.188399577	0.410760621
<i>mrcB</i>	0.533262532	0.209648436	0.010971549	0.064341916
<i>xanP</i>	0.532006138	0.24945704	0.032952928	0.134467273
<i>yidJ</i>	0.531429561	0.253847925	0.03630492	0.143207765
<i>nrfB</i>	0.531381244	0.302519348	0.078999683	0.235366582
<i>aldB</i>	0.531083699	0.346951897	0.125840397	0.317312731
<i>yhiD</i>	0.529486096	0.294860042	0.072539048	0.22117835
<i>yhhJ</i>	0.529126305	0.248188952	0.033011001	0.13447569
<i>glyQ</i>	0.526992096	0.343244325	0.124703657	0.314839689

<i>mhpB</i>	0.526240813	0.607019754	0.385982912	0.62006089
<i>ykfA</i>	0.52576139	0.263266652	0.045817804	0.164880193
<i>gspO</i>	0.525035667	0.215197705	0.014696094	0.080064952
<i>fliG</i>	0.524214765	0.667383673	0.432173739	0.654911932
<i>tsaB</i>	0.524206437	0.338475444	0.121447092	0.310108734
<i>lamB</i>	0.522214418	0.316169997	0.098598023	0.271356895
<i>ligA</i>	0.521022929	0.374549287	0.164205292	0.376645888
<i>ygiS</i>	0.520508726	0.270732944	0.054531433	0.185150037
<i>fruB</i>	0.51896074	0.310817952	0.094986373	0.264272906
<i>rph</i>	0.518913305	0.36807091	0.158593181	0.369343025
<i>yojI</i>	0.517547553	0.398097669	0.193583248	0.415061256
<i>hemY</i>	0.517352469	0.261218934	0.047643776	0.169411425
<i>lpxB</i>	0.516259987	0.43205752	0.232131117	0.464796105
<i>fsaB</i>	0.516012158	0.248565001	0.03789722	0.147960422
<i>hofB</i>	0.515170586	0.212826744	0.015494482	0.082350786
<i>araA</i>	0.514310157	0.350861601	0.142689405	0.345760581
<i>xylR</i>	0.513183703	0.218240912	0.018700147	0.092338281
<i>yjjK</i>	0.511937282	0.211339954	0.015420903	0.082269422
<i>cysN</i>	0.510588454	0.420327508	0.224465437	0.455818395
<i>murC</i>	0.510517303	0.297483743	0.086140388	0.249999098
<i>sugE</i>	0.509681751	0.633319521	0.420947677	0.646392459
<i>ulaA</i>	0.509551017	0.212121231	0.016298183	0.084658051
<i>cadB</i>	0.509265085	0.315156286	0.106113162	0.283882594
<i>thiH</i>	0.506889653	0.240210783	0.034842258	0.139403565
<i>yrfF</i>	0.506175617	0.299922707	0.091471352	0.258953448
<i>argD</i>	0.504392132	0.283113367	0.074816008	0.226750918
<i>prpE</i>	0.50289428	0.725266546	0.488063357	0.7011811
<i>astC</i>	0.502439469	0.600411445	0.402690791	0.632799815
<i>yijO</i>	0.501388718	0.359935785	0.163621329	0.375733394
<i>polB</i>	0.501053415	0.428917749	0.242733904	0.475456948
<i>wcaJ</i>	0.500050009	0.494999826	0.312398332	0.551950915
<i>bglF</i>	0.499801993	0.212929947	0.018912042	0.092369789
<i>ybgI</i>	0.499779897	0.314448741	0.111973654	0.295445386
<i>citF</i>	0.497439241	0.487088382	0.307135784	0.546696279
<i>cysU</i>	0.495848024	0.608797505	0.415375074	0.642478611
<i>fadE</i>	0.495319102	0.322160611	0.12417307	0.313911887
<i>cheZ</i>	0.49522753	0.3504019	0.157563739	0.368317784
<i>emrB</i>	0.494817072	0.405373291	0.222220281	0.453082463
<i>rne</i>	0.493264698	0.212547986	0.020301876	0.09712408
<i>sgcC</i>	0.493165809	0.252505243	0.05080877	0.176404667
<i>glpD</i>	0.491656909	0.239101735	0.039756827	0.151987038
<i>acrD</i>	0.49149109	0.366407639	0.179797806	0.399854937
<i>ypjA</i>	0.491340532	0.224301108	0.028485102	0.121558519
<i>trmJ</i>	0.490809617	0.236011845	0.037562477	0.147080232
<i>insH1</i>	0.490756115	1.103505562	0.65651876	0.822328959
<i>xylA</i>	0.490555656	0.207920695	0.018307463	0.091582689
<i>hemN</i>	0.490350726	0.353532077	0.165440266	0.378709686
<i>mtlD</i>	0.49030694	0.374231693	0.190138511	0.411983443
<i>yjjJ</i>	0.490044176	0.237823844	0.039347495	0.150707625

<i>garK</i>	0.490012358	0.338980975	0.148304776	0.354473878
<i>malG</i>	0.488786866	0.234160985	0.03685229	0.144720522
<i>zraR</i>	0.488139665	0.483223565	0.312412148	0.551950915
<i>yibH</i>	0.487535679	0.2563438	0.057186573	0.190726867
<i>trmH</i>	0.48634396	0.242270059	0.044702239	0.16287269
<i>yfiH</i>	0.486204836	0.459572817	0.290078462	0.529167081
<i>xylG</i>	0.485965168	0.222540722	0.028983311	0.122647408
<i>bglB</i>	0.48591206	0.204939568	0.017739951	0.08985719
<i>yhdP</i>	0.485884593	0.295877771	0.100552682	0.275207578
<i>cydD</i>	0.485232	0.371420797	0.191409364	0.412337034
<i>dnaE</i>	0.48433277	0.20160122	0.016286562	0.084658051
<i>yiaO</i>	0.483978235	0.238139606	0.042120272	0.158448422
<i>hyuA</i>	0.483718452	0.259010731	0.061823226	0.199213425
<i>recC</i>	0.483607185	0.288095209	0.093222874	0.260263306
<i>insH1</i>	0.483075513	1.084989368	0.656149755	0.822328959
<i>hcaD</i>	0.482265101	0.395911869	0.223181316	0.45435349
<i>rluA</i>	0.481912915	0.233273856	0.038840977	0.14933431
<i>yegD</i>	0.481595347	0.466517745	0.301922487	0.542197989
<i>spoT</i>	0.481419065	0.208293986	0.020819159	0.098185682
<i>yidE</i>	0.480260739	0.217318143	0.027109109	0.117550452
<i>nika</i>	0.480100614	0.340028543	0.157967011	0.369046774
<i>pyrB</i>	0.479897363	0.231997266	0.03858857	0.148963176
<i>yhjC</i>	0.479726996	0.250098836	0.055092038	0.186582682
<i>dgoD</i>	0.479219505	0.29055983	0.099086769	0.272244565
<i>truC</i>	0.478293498	0.472446053	0.311357852	0.551052892
<i>yciV</i>	0.477107127	0.281584419	0.090195715	0.257875425
<i>mukB</i>	0.473891376	0.311594314	0.128294935	0.320499166
<i>oxyR</i>	0.473763645	0.217217126	0.029178958	0.122959764
<i>slt</i>	0.471006018	0.260514819	0.070609354	0.217263689
<i>wecC</i>	0.470326595	0.237378771	0.047553846	0.169370362
<i>yifB</i>	0.469930714	0.211038242	0.025963572	0.113805583
<i>pflC</i>	0.468770939	0.221724971	0.034498187	0.138714323
<i>parE</i>	0.468715312	0.265895101	0.077937128	0.233753482
<i>asnA</i>	0.467756393	0.274729692	0.088641846	0.255605094
<i>insB1</i>	0.467609624	0.930355755	0.615235838	0.799075767
<i>rsmC</i>	0.4668873	0.365947121	0.202014668	0.424946857
<i>tdcD</i>	0.46660533	1.474197926	0.751611861	0.877797051
<i>glmS</i>	0.466154035	0.363019361	0.199106126	0.422159366
<i>holB</i>	0.466085947	0.274871134	0.089951694	0.257542545
<i>ybiH</i>	0.465949518	0.315595485	0.139832849	0.340705233
<i>frvX</i>	0.465905385	0.35233776	0.186059615	0.407997102
<i>yiaK</i>	0.465781818	0.22160047	0.035562119	0.141472322
<i>yahJ</i>	0.465483437	0.585970728	0.426974234	0.651434234
<i>bisC</i>	0.465108813	0.362367175	0.199306773	0.422362961
<i>brnQ</i>	0.464120433	0.23437091	0.04767188	0.169411425
<i>prlC</i>	0.463656084	0.292321702	0.112713033	0.296238617
<i>argP</i>	0.461785233	0.308047066	0.133854532	0.329695391
<i>yjdA</i>	0.46138937	0.299729684	0.123718482	0.313911887
<i>macB</i>	0.460838624	0.460028641	0.316459171	0.555356132

<i>nanA</i>	0.459990456	0.269083281	0.08736347	0.252821741
<i>ttdT</i>	0.459821335	0.463806526	0.321486569	0.561107382
<i>ybhG</i>	0.459764492	0.365215308	0.208071458	0.43454965
<i>opgB</i>	0.459087513	0.303225859	0.13002286	0.323614233
<i>cpxA</i>	0.458912666	0.224559963	0.040992231	0.154949098
<i>murG</i>	0.458273082	0.232407979	0.048627023	0.171897803
<i>csrD</i>	0.458184704	0.231472196	0.04776679	0.169492244
<i>ygcQ</i>	0.458070876	0.407607473	0.261096218	0.497895812
<i>yicJ</i>	0.458034669	0.230256814	0.046675387	0.166898617
<i>cobT</i>	0.457883411	0.233058549	0.04945231	0.173448284
<i>yfaL</i>	0.457577503	0.253302834	0.070848941	0.217669082
<i>aas</i>	0.454963854	0.292927891	0.120384939	0.308763659
<i>cadA</i>	0.454828549	0.26157895	0.082073264	0.242023204
<i>agaS</i>	0.454578319	0.332092633	0.171052459	0.385991491
<i>chiA</i>	0.454130874	0.203630831	0.025736321	0.113301556
<i>mtlA</i>	0.453726028	0.419787127	0.279764784	0.517603316
<i>creC</i>	0.453359873	0.390053499	0.245112906	0.478723175
<i>lysR</i>	0.452265945	0.257403986	0.078913081	0.235282207
<i>sthA</i>	0.452253801	0.445696948	0.31024339	0.54985303
<i>malP</i>	0.451751892	0.226119064	0.045732963	0.164880193
<i>cynS</i>	0.451510459	0.339954936	0.184129228	0.406191088
<i>yibF</i>	0.45150215	0.275855226	0.101685665	0.276665901
<i>yfgH</i>	0.450764241	0.334744595	0.17811182	0.397917773
<i>glgX</i>	0.450457114	0.228841712	0.049019476	0.17252975
<i>glgB</i>	0.449902303	0.207929925	0.030485784	0.12678797
<i>abgA</i>	0.449851451	0.339678073	0.18538801	0.407187919
<i>mngA</i>	0.448815898	0.47149456	0.341147456	0.577860031
<i>viaA</i>	0.447231495	0.242408395	0.065044737	0.206435222
<i>aceA</i>	0.447078683	0.233024844	0.055036489	0.186551054
<i>btuF</i>	0.445055406	0.374724504	0.234956764	0.467251456
<i>wcaL</i>	0.444619047	0.558666541	0.426114773	0.65104145
<i>waaC</i>	0.44392582	0.261203089	0.089216964	0.255983572
<i>gsiC</i>	0.4435052	0.374181056	0.235911112	0.467717972
<i>afuC</i>	0.442325134	0.449037972	0.324599206	0.563926663
<i>mnmG</i>	0.439731463	0.33668935	0.191537234	0.412392434
<i>frmA</i>	0.438253047	0.239604251	0.06738906	0.211711779
<i>fepA</i>	0.438049817	0.259761317	0.091727427	0.258953448
<i>tauB</i>	0.438041725	0.524921462	0.404004905	0.634124339
<i>paaE</i>	0.436319379	0.506339373	0.388845297	0.622009501
<i>glpR</i>	0.43628656	0.465539923	0.348674974	0.585320532
<i>ybgS</i>	0.435395268	0.2541847	0.086729277	0.251346798
<i>wecB</i>	0.434783853	0.227052573	0.055504763	0.187351779
<i>menA</i>	0.433589284	0.250387348	0.083331605	0.245196568
<i>yigL</i>	0.433227302	0.393159761	0.270500105	0.507911127
<i>alkA</i>	0.43271616	0.528497377	0.412919418	0.640088529
<i>gudD</i>	0.4325462	0.309061742	0.161649242	0.373542067
<i>mutM</i>	0.432514599	0.236686005	0.067643081	0.212179579
<i>appA</i>	0.432449232	0.414424499	0.296719833	0.535475176
<i>hofO</i>	0.432337079	0.497718126	0.385044942	0.619293399

<i>gcl</i>	0.43226129	0.318822999	0.175161745	0.393285853
<i>yiaV</i>	0.431884844	0.286194816	0.131283723	0.325548151
<i>caiT</i>	0.431628714	0.368521088	0.241500058	0.474652257
<i>caiD</i>	0.431032443	0.605069027	0.47623628	0.693566329
<i>melB</i>	0.4298917	0.218788263	0.049428648	0.173448284
<i>yjdP</i>	0.427177534	0.297819145	0.151471792	0.360124632
<i>ybiB</i>	0.427100913	0.248496263	0.085661398	0.248787815
<i>ycaK</i>	0.426841831	0.282121549	0.130286928	0.323774577
<i>prmC</i>	0.426161337	0.344373141	0.215901973	0.444665428
<i>zraS</i>	0.425462801	0.230194094	0.06456206	0.205711948
<i>mpl</i>	0.425013376	0.226078763	0.060116938	0.195868482
<i>yjhC</i>	0.424886385	0.240064878	0.076746884	0.231041888
<i>pstA</i>	0.422655809	0.27484014	0.124091614	0.313911887
<i>liqB</i>	0.42123996	0.308715452	0.172412571	0.388312622
<i>hycI</i>	0.421063044	0.285549686	0.140328145	0.341473612
<i>dapB</i>	0.420331464	0.224747875	0.061451115	0.198462522
<i>dmsA</i>	0.419565085	0.25173192	0.095571312	0.265169339
<i>aroB</i>	0.419362682	0.275373481	0.12778699	0.31982398
<i>opgH</i>	0.417757693	0.306012302	0.172200776	0.388148818
<i>yqbN</i>	0.417469267	0.290270634	0.150375322	0.358361968
<i>yidA</i>	0.415698977	0.281645269	0.13995289	0.340765874
<i>bioH</i>	0.415157702	0.432994239	0.337656221	0.575398128
<i>dcuD</i>	0.415111751	0.292148911	0.155348458	0.365489836
<i>bglH</i>	0.413218694	0.24297837	0.08901064	0.255835955
<i>galR</i>	0.413117373	0.24353665	0.089824297	0.257360318
<i>hycF</i>	0.41241725	0.40422936	0.307607276	0.546748622
<i>mnmc</i>	0.412093509	0.440517807	0.349543428	0.586251275
<i>glgP</i>	0.411660518	0.331997533	0.214993691	0.443446489
<i>eutB</i>	0.411200809	0.319892142	0.19864004	0.422057811
<i>rffH</i>	0.410410697	0.264536511	0.12079793	0.309308482
<i>yfbT</i>	0.409701125	0.258297755	0.112703407	0.296238617
<i>mscK</i>	0.408992715	0.222750997	0.066343128	0.209403602
<i>yidZ</i>	0.408637394	0.279272501	0.14340691	0.34654665
<i>ccmH</i>	0.408231273	0.271251489	0.132326178	0.327328911
<i>pstC</i>	0.408128129	0.280494549	0.145660813	0.349811245
<i>sbcC</i>	0.405700819	0.408661763	0.320829591	0.560818235
<i>actP</i>	0.404781795	0.272303268	0.137144018	0.336024546
<i>amiC</i>	0.403907362	0.213440254	0.058442056	0.192282462
<i>eutM</i>	0.403813411	0.359292926	0.26105062	0.497895812
<i>insJ</i>	0.403487577	0.22537001	0.073400243	0.223199053
<i>ygfT</i>	0.403389031	0.315547453	0.201116055	0.424414801
<i>waaF</i>	0.402861757	0.226685085	0.075537499	0.22810419
<i>fliF</i>	0.402400972	0.51101637	0.431017192	0.654387516
<i>mobA</i>	0.40185636	0.361625127	0.266460234	0.504076835
<i>ugpB</i>	0.400920052	0.245139125	0.101948536	0.276900479
<i>wzzE</i>	0.400785317	0.239511988	0.094260114	0.262614273
<i>hemL</i>	0.40040759	0.237505365	0.091817255	0.258953448
<i>fliP</i>	0.398699776	0.575369697	0.488343826	0.70133192
<i>ispF</i>	0.39757363	0.267474125	0.13717326	0.336024546

<i>yfiQ</i>	0.396252539	0.41492918	0.339583581	0.576977659
<i>ybhF</i>	0.395545813	0.376131224	0.29297552	0.531808531
<i>yihW</i>	0.395090767	0.245795378	0.107967295	0.287889015
<i>gspE</i>	0.39505608	0.315050018	0.209861207	0.437008586
<i>malS</i>	0.393184241	0.300779428	0.19113873	0.411983443
<i>yfiY</i>	0.39226953	0.276390307	0.155823416	0.365519541
<i>gspL</i>	0.392217638	0.215020382	0.068137687	0.213152669
<i>yadC</i>	0.391669115	0.491630608	0.425640634	0.650875469
<i>yghJ</i>	0.391405697	0.226226303	0.083603275	0.245816766
<i>yjdF</i>	0.390745951	0.226581461	0.084612667	0.247522707
<i>yifK</i>	0.390257061	0.231475219	0.091804252	0.258953448
<i>hofQ</i>	0.39020577	0.416270153	0.348560094	0.585320532
<i>rsmD</i>	0.389625818	0.364901371	0.285630356	0.523655652
<i>flhB</i>	0.389385177	0.496746968	0.433116239	0.655054902
<i>eutH</i>	0.388855902	0.544435232	0.475080511	0.692632727
<i>yraK</i>	0.387539261	0.303776005	0.202047373	0.424946857
<i>ygiQ</i>	0.387523339	0.238842706	0.104695393	0.281372027
<i>rffG</i>	0.387126827	0.292680983	0.185937789	0.407951551
<i>ygfF</i>	0.387120291	0.404766926	0.338868685	0.576005424
<i>kup</i>	0.386692096	0.200514805	0.053793402	0.183570551
<i>ruvB</i>	0.386637959	0.376657003	0.304656532	0.544689032
<i>gspA</i>	0.38596849	0.210745492	0.067034354	0.21092571
<i>yajR</i>	0.385317583	0.370490586	0.298330655	0.537181469
<i>cysQ</i>	0.385103144	0.419327739	0.358418791	0.594734274
<i>queA</i>	0.384299247	0.280241156	0.170276397	0.384904479
<i>allC</i>	0.383531486	0.332922208	0.249314775	0.484066669
<i>casC</i>	0.382786757	0.275881348	0.16528782	0.378698598
<i>yheS</i>	0.382665861	0.320855433	0.233009372	0.46567269
<i>yiaU</i>	0.38145637	0.226311072	0.091884429	0.258953448
<i>wzyE</i>	0.381126526	0.36224005	0.292736235	0.531613217
<i>rlmH</i>	0.380976651	0.41276615	0.356015419	0.592896394
<i>waaB</i>	0.380469105	0.340713147	0.264129229	0.501547365
<i>yaaW</i>	0.379923631	0.252534086	0.132466838	0.327476193
<i>frvR</i>	0.379842551	0.303342609	0.210500676	0.437585597
<i>paaF</i>	0.379791161	0.593680047	0.522352283	0.731438143
<i>tnaA</i>	0.377565195	0.467782152	0.419586434	0.645529891
<i>cmtA</i>	0.376931684	0.240334057	0.116795818	0.303169594
<i>clcA</i>	0.376301039	0.436145055	0.388253636	0.621758205
<i>accC</i>	0.376239241	0.501996124	0.453564124	0.672699636
<i>ispH</i>	0.376017407	0.265225775	0.156270853	0.365719093
<i>nikR</i>	0.375944404	0.419038564	0.369633844	0.604379032
<i>narV</i>	0.375836019	0.287260317	0.190755824	0.411983443
<i>prkB</i>	0.375542955	0.229428615	0.101659332	0.276665901
<i>speB</i>	0.375514653	0.23741368	0.11372054	0.29791682
<i>fucO</i>	0.375426556	0.268518836	0.162071443	0.374060132
<i>rarA</i>	0.375070842	0.26859751	0.162592643	0.374436109
<i>yieL</i>	0.374641503	0.232674993	0.107365241	0.286662354
<i>uacT</i>	0.374332307	0.262998948	0.154642702	0.364444009
<i>gntX</i>	0.374267103	0.222412466	0.092421299	0.259280599

<i>xseA</i>	0.372132848	0.351166186	0.289278459	0.528663258
<i>dmsC</i>	0.371936664	0.227725596	0.102412887	0.277105112
<i>cyaA</i>	0.371331632	0.306644333	0.225913722	0.45692069
<i>yhjJ</i>	0.369934223	0.369121673	0.316246376	0.555356132
<i>ycjU</i>	0.367623136	0.647678505	0.570305751	0.768209648
<i>thiC</i>	0.367552069	0.443556775	0.407304085	0.635841683
<i>gudX</i>	0.367170208	0.313199133	0.241067836	0.474264549
<i>glmM</i>	0.366959308	0.213256473	0.085297704	0.248267362
<i>prfC</i>	0.366649816	0.256908639	0.153533688	0.363315064
<i>dnaJ</i>	0.366614083	0.454906062	0.420293809	0.645633983
<i>acrF</i>	0.366004232	0.212500065	0.085002093	0.247717609
<i>aceK</i>	0.365763577	0.268458749	0.173053617	0.38941887
<i>ytfH</i>	0.365632669	0.431552579	0.396856117	0.628524184
<i>naqE</i>	0.365556823	0.206912833	0.077275308	0.23228624
<i>glnD</i>	0.365092804	0.373887198	0.328827405	0.56686713
<i>malI</i>	0.364856389	0.431806741	0.398137097	0.629934022
<i>yedJ</i>	0.364721112	0.572856463	0.52433915	0.732652886
<i>ltaE</i>	0.364277043	0.573202546	0.525094604	0.732989943
<i>murD</i>	0.364119176	0.215653908	0.091326361	0.258953448
<i>yhqA</i>	0.363621777	0.294365393	0.216728723	0.445712611
<i>hcaF</i>	0.36332059	0.400610018	0.364449958	0.600034454
<i>casA</i>	0.362754561	0.3046525	0.233765152	0.46608109
<i>yhfK</i>	0.362646788	0.273178372	0.184340316	0.406392768
<i>aaeA</i>	0.362462202	0.226303574	0.109230014	0.290488517
<i>waaR</i>	0.362323667	0.338343612	0.284225703	0.522028736
<i>argC</i>	0.361999658	0.22789938	0.112191671	0.295445386
<i>casD</i>	0.361110597	0.270350779	0.181643646	0.402025987
<i>bcsE</i>	0.359830194	0.314482633	0.252541803	0.488271675
<i>pheT</i>	0.357654082	0.219707698	0.10355389	0.279130296
<i>rep</i>	0.357002548	0.263067566	0.174757223	0.392814538
<i>ybjT</i>	0.356264403	0.301904912	0.237978338	0.470248923
<i>yiaT</i>	0.355883811	0.425762714	0.403226017	0.633394332
<i>pfkB</i>	0.3558126	0.507399958	0.483149004	0.699190852
<i>uraA</i>	0.355723269	0.427929086	0.40582289	0.635248936
<i>hemD</i>	0.355487776	0.312326758	0.255040374	0.490986166
<i>nrfA</i>	0.355179554	0.210446249	0.091460236	0.258953448
<i>insF1</i>	0.353947402	1.726351434	0.837551597	0.918054792
<i>dnaG</i>	0.353383122	0.220935347	0.109712529	0.29113325
<i>yicG</i>	0.353141722	0.341338962	0.300866113	0.54102294
<i>kefG</i>	0.353125255	0.291035133	0.224998953	0.456213346
<i>waaG</i>	0.352956396	0.261255344	0.176694909	0.395847584
<i>fryC</i>	0.34994076	0.527814114	0.507330552	0.720343379
<i>dpiB</i>	0.349832349	0.332802937	0.293180676	0.531899599
<i>fucI</i>	0.34973266	0.213180527	0.100891498	0.275760986
<i>mfd</i>	0.349710885	0.518838114	0.500294163	0.712411829
<i>ygcE</i>	0.349495428	0.270665795	0.196619282	0.418866512
<i>csdA</i>	0.349370185	0.377362099	0.354538421	0.590946162
<i>sapA</i>	0.34935512	0.354119965	0.323865967	0.563797719
<i>caiE</i>	0.348940217	0.253151531	0.16808452	0.382670705

<i>dapE</i>	0.348241485	0.254715479	0.171569414	0.386941745
<i>dnaN</i>	0.346012343	0.328700826	0.292493875	0.53151325
<i>pyrE</i>	0.344955273	0.364991293	0.344605025	0.580858948
<i>yjhF</i>	0.344799357	0.280057707	0.218258342	0.4486298
<i>insE1</i>	0.343862505	0.665237165	0.605224484	0.794307946
<i>gspD</i>	0.343565761	0.237496361	0.148004827	0.35396652
<i>yhfX</i>	0.34344273	0.304265894	0.258999701	0.495301654
<i>aaeB</i>	0.343099371	0.363133397	0.344745613	0.580858948
<i>insI1</i>	0.342127832	1.04726377	0.743904365	0.872446923
<i>qseC</i>	0.341882098	0.238875559	0.152368829	0.361831155
<i>mgo</i>	0.341662132	0.400288195	0.393359713	0.626427283
<i>ispD</i>	0.341451583	0.287866844	0.235565364	0.467572833
<i>adiY</i>	0.340933174	0.380929901	0.370785807	0.605771875
<i>ycjS</i>	0.340844736	0.51790398	0.51045883	0.722170021
<i>btuB</i>	0.340579732	0.384321892	0.375518635	0.61029337
<i>hyfI</i>	0.340139853	0.733415291	0.642808784	0.814447504
<i>fhuD</i>	0.339360444	0.305128395	0.266056898	0.503785975
<i>trkA</i>	0.338955111	0.285948819	0.235871244	0.467717972
<i>tatD</i>	0.336568254	0.299192919	0.260622715	0.497698156
<i>yhjY</i>	0.336456337	0.50072132	0.501619793	0.714047639
<i>gcvP</i>	0.335835374	0.20546489	0.102150832	0.276900479
<i>ynfG</i>	0.335749849	0.328179556	0.306275917	0.54612892
<i>rlmM</i>	0.335546664	0.352205249	0.340741052	0.577728528
<i>yhfT</i>	0.335509547	0.296218881	0.257365189	0.493447271
<i>proB</i>	0.334943576	0.482757259	0.487799081	0.7011811
<i>ampC</i>	0.334737192	0.228041863	0.142137892	0.344838143
<i>malF</i>	0.334452578	0.421995173	0.428039631	0.651957102
<i>mdlA</i>	0.334352198	0.224193885	0.13586887	0.333567003
<i>ulaG</i>	0.333051515	0.251722425	0.185805328	0.407882605
<i>parC</i>	0.333030992	0.287280086	0.246352094	0.480446089
<i>yphE</i>	0.332285356	0.443362948	0.45357652	0.672699636
<i>trkH</i>	0.332228293	0.222450704	0.13530851	0.332848571
<i>ppdB</i>	0.332184759	0.231765856	0.151778583	0.360641636
<i>yqcE</i>	0.331879201	0.24098156	0.168451196	0.383119707
<i>yigM</i>	0.331677214	0.357503499	0.353532414	0.589756345
<i>yhdY</i>	0.331558407	0.241893752	0.170475405	0.384904479
<i>yraP</i>	0.32860976	0.302077428	0.27666889	0.51382911
<i>pcnB</i>	0.328498449	0.229648425	0.15259058	0.361931946
<i>moaC</i>	0.328305715	0.362151067	0.364648224	0.600047487
<i>dbpA</i>	0.327718538	0.333569257	0.325873153	0.564613699
<i>gmd</i>	0.327069304	0.511228812	0.522321571	0.731438143
<i>tktA</i>	0.326336988	0.37023341	0.378081979	0.612978694
<i>ampG</i>	0.326112101	0.278798617	0.242119757	0.475407324
<i>ytfR</i>	0.324527379	0.376848678	0.389149384	0.622009501
<i>rsmA</i>	0.324396904	0.406277575	0.424602866	0.649764616
<i>nuoN</i>	0.323925843	0.259038365	0.211119257	0.437969394
<i>idnT</i>	0.323007114	0.248683611	0.193989331	0.415676715
<i>ccmB</i>	0.322680962	0.496976714	0.516152311	0.726283332
<i>yohF</i>	0.322660932	0.290894905	0.267343462	0.504771323

<i>murB</i>	0.320759519	0.473057272	0.497735922	0.710272152
<i>aroE</i>	0.320111811	0.337376642	0.342708993	0.579121896
<i>nanR</i>	0.319919814	0.330966159	0.333732059	0.571542559
<i>recA</i>	0.318552374	0.232337086	0.170350498	0.384904479
<i>eptC</i>	0.318404277	0.283850643	0.261976515	0.499315686
<i>flgI</i>	0.318129208	0.359945945	0.376790715	0.61135866
<i>gshB</i>	0.318076741	0.325575679	0.328585419	0.56686713
<i>yraJ</i>	0.317969712	0.223100547	0.154090573	0.363526107
<i>yehW</i>	0.317013457	0.714424467	0.657235892	0.822971866
<i>rsmI</i>	0.316270293	0.360550001	0.380384295	0.615228925
<i>mhpE</i>	0.31622829	0.619040752	0.609465912	0.796587383
<i>creB</i>	0.315207063	0.239662791	0.188439106	0.410760621
<i>ppdC</i>	0.313555938	0.408343455	0.442562604	0.662694818
<i>yjcC</i>	0.313457317	0.262539848	0.232500708	0.465116629
<i>ddpF</i>	0.312099831	0.363134231	0.390086043	0.622441643
<i>bglJ</i>	0.311964955	0.261897616	0.233586298	0.46608109
<i>alsA</i>	0.310872302	0.254595918	0.222070128	0.453005107
<i>yjjG</i>	0.310736177	0.307500058	0.312244325	0.551950915
<i>hycH</i>	0.310712443	0.405026467	0.442997638	0.662957587
<i>folP</i>	0.310348154	0.315748603	0.325658448	0.564483964
<i>hflK</i>	0.310243935	0.332676983	0.351043021	0.587545886
<i>napF</i>	0.309693001	0.412576079	0.452873875	0.672398615
<i>proC</i>	0.308270509	0.257795227	0.231776166	0.46435751
<i>cbrB</i>	0.308091752	0.482502469	0.523129472	0.73186377
<i>recN</i>	0.307655787	0.300616337	0.306110856	0.546075795
<i>cydC</i>	0.307575264	0.354017295	0.384948748	0.619293399
<i>hyfR</i>	0.307406061	0.346686554	0.375241847	0.61029337
<i>pgl</i>	0.307147493	0.246424187	0.212611049	0.440159387
<i>alsE</i>	0.306329253	0.280182606	0.274253315	0.51162691
<i>ytjC</i>	0.304921367	0.242472298	0.208554055	0.43510735
<i>glrK</i>	0.304241063	0.234030707	0.193599293	0.415061256
<i>flhA</i>	0.30376123	0.461114373	0.510053344	0.721979435
<i>melR</i>	0.303684201	0.32408383	0.34873054	0.585320532
<i>fdnG</i>	0.303119227	0.428858127	0.479687436	0.696832738
<i>gspJ</i>	0.30177923	0.2770152	0.275979329	0.513523158
<i>allB</i>	0.301778828	0.2669591	0.25829468	0.494656369
<i>yidP</i>	0.301260804	0.214614806	0.160399872	0.371718877
<i>srmB</i>	0.301259682	0.247881117	0.22423668	0.455812425
<i>trpE</i>	0.301154249	0.458809809	0.511578721	0.722751135
<i>birA</i>	0.30087046	0.215282078	0.162244065	0.374060132
<i>nudL</i>	0.300359929	0.267827162	0.262088169	0.499315686
<i>dacB</i>	0.300296411	0.264951206	0.257045183	0.493433858
<i>alsC</i>	0.300106668	0.377936113	0.427156317	0.651465829
<i>yihO</i>	0.299861813	0.230333345	0.192964183	0.414472668
<i>lysC</i>	0.298865142	0.245259973	0.223009459	0.454232688
<i>ompL</i>	0.298722965	0.363787582	0.411562724	0.639522216
<i>lepA</i>	0.297523773	0.352447135	0.398576833	0.629934022
<i>avtA</i>	0.296542649	0.215530643	0.168861162	0.383619871
<i>yihF</i>	0.296508674	0.257358338	0.249270192	0.484066669

<i>suhB</i>	0.296235739	0.625420745	0.63574358	0.810643346
<i>yibD</i>	0.296015211	0.239339981	0.216162083	0.444773867
<i>ycaD</i>	0.295304108	0.230935508	0.200992234	0.424378054
<i>bglA</i>	0.295148286	0.250562442	0.238819313	0.471218753
<i>hofC</i>	0.29466569	0.269336127	0.273935492	0.511270265
<i>fliD</i>	0.294353595	0.365071517	0.420075526	0.645633983
<i>yfhM</i>	0.29337323	0.295915859	0.321486593	0.561107382
<i>yraR</i>	0.292076513	0.245369011	0.233906438	0.46608109
<i>hslV</i>	0.290998337	0.289580573	0.314946969	0.55448771
<i>narZ</i>	0.290300114	0.547683005	0.596076331	0.787971293
<i>ynjE</i>	0.290249834	0.388260555	0.454722844	0.673657292
<i>dnaT</i>	0.289908771	0.23958708	0.226265433	0.45717395
<i>cpsB</i>	0.28964388	0.571503645	0.612287994	0.797871734
<i>pgm</i>	0.289123013	0.287795971	0.315084173	0.55448771
<i>cusR</i>	0.288934994	0.263952896	0.273671735	0.511250715
<i>nanM</i>	0.286945027	0.26099577	0.271583144	0.509169165
<i>dgoT</i>	0.285984239	0.409809616	0.485273145	0.700410328
<i>yhjX</i>	0.285920762	0.208559325	0.170395991	0.384904479
<i>pdxA</i>	0.285434746	0.261233091	0.274550176	0.511944138
<i>yqcS</i>	0.283770444	0.466017387	0.542573005	0.747310549
<i>yhfZ</i>	0.283031025	0.230806086	0.22009636	0.45011601
<i>insE1</i>	0.282323663	0.601468293	0.638790347	0.812731368
<i>narG</i>	0.282132516	0.397249286	0.477570642	0.695008176
<i>hisH</i>	0.281790055	0.345860982	0.415215726	0.6424783
<i>trg</i>	0.281584346	0.341561213	0.409710183	0.637655644
<i>clsA</i>	0.281279079	0.389765657	0.470502285	0.688801332
<i>dfp</i>	0.28088494	0.231494396	0.224994028	0.456213346
<i>murE</i>	0.279800279	0.26748227	0.29553717	0.534057097
<i>pepE</i>	0.279415615	0.278244409	0.315277756	0.554568708
<i>rlmL</i>	0.279372084	0.366203488	0.445530458	0.665903909
<i>cbrA</i>	0.279070901	0.348291233	0.422982692	0.648306096
<i>metN</i>	0.278296893	0.226628399	0.219451574	0.449723299
<i>yphC</i>	0.277957413	0.452555731	0.539086556	0.744335164
<i>yqeA</i>	0.277938932	0.414509638	0.502523395	0.71482979
<i>ubiD</i>	0.27670206	0.232752393	0.234508207	0.467049645
<i>baeS</i>	0.276593906	0.645157974	0.668124997	0.829537807
<i>yeaD</i>	0.276480016	0.419144313	0.509491522	0.721572898
<i>ftsX</i>	0.274609186	0.333602792	0.410415799	0.637985591
<i>ybbA</i>	0.27455006	0.400655631	0.493184935	0.706023965
<i>yfjK</i>	0.274371346	0.29544048	0.353051999	0.589253694
<i>garP</i>	0.272601403	0.221654181	0.218753267	0.449359873
<i>ycfJ</i>	0.271021638	0.246658378	0.271866965	0.509169165
<i>gcvA</i>	0.270901987	0.244772363	0.268401723	0.505865854
<i>valS</i>	0.27087464	0.257746735	0.293289202	0.531899599
<i>polA</i>	0.270747117	0.231380612	0.241945664	0.475296664
<i>edd</i>	0.270590469	0.291389322	0.353085134	0.589253694
<i>pstS</i>	0.269751865	0.219376666	0.218836143	0.449359873
<i>yceM</i>	0.269294564	0.500793361	0.590759398	0.784081396
<i>phoU</i>	0.267849276	0.427953125	0.531390628	0.73882415

<i>metA</i>	0.267727049	0.296525081	0.366588721	0.602050552
<i>sgcQ</i>	0.267608778	0.327036957	0.413195617	0.640088529
<i>msrA</i>	0.267415794	0.271966329	0.325475546	0.564483964
<i>secD</i>	0.267387102	0.46884554	0.568467747	0.7665011
<i>gadX</i>	0.267369767	0.341483654	0.433647635	0.655423251
<i>ompR</i>	0.267291208	0.403885078	0.508099306	0.720476606
<i>fhlA</i>	0.266776874	0.298242005	0.371055506	0.605967264
<i>yqiK</i>	0.266254095	0.214831869	0.215212087	0.443497292
<i>hypB</i>	0.266067335	0.421279192	0.527667839	0.736072933
<i>yqhD</i>	0.265139465	0.363112072	0.465276308	0.684020559
<i>yejM</i>	0.264363926	0.249748257	0.289817705	0.529167081
<i>setC</i>	0.263831016	0.318739057	0.407821405	0.636157269
<i>dcuB</i>	0.263308693	0.242655665	0.277871836	0.514605833
<i>qlqC</i>	0.263227576	0.339436748	0.438054048	0.659079275
<i>dinG</i>	0.263035485	0.320845559	0.412318943	0.640088529
<i>sufS</i>	0.262890368	0.47946604	0.583487161	0.77791865
<i>waaL</i>	0.262627382	0.308880302	0.39518268	0.62720056
<i>yeeJ</i>	0.262477834	0.269190841	0.329529369	0.567012106
<i>yhjA</i>	0.260020983	0.325758344	0.424753238	0.649764616
<i>yegE</i>	0.259866716	0.341799909	0.447081846	0.667481292
<i>bioB</i>	0.259187371	0.515902971	0.615389289	0.799075767
<i>rhtC</i>	0.257710105	0.26445616	0.329812885	0.567012106
<i>ybbO</i>	0.25722154	0.351240418	0.463971266	0.682350455
<i>yhhI</i>	0.256920896	0.27003939	0.341391175	0.577860031
<i>pta</i>	0.256849937	0.321569344	0.424441837	0.649764616
<i>hslU</i>	0.255597704	0.222812719	0.251323169	0.486381415
<i>melA</i>	0.255172212	0.212773473	0.230424129	0.462566985
<i>ybhR</i>	0.255058931	0.219589464	0.245427947	0.47887512
<i>yoaA</i>	0.254488962	0.434999751	0.558525911	0.758376177
<i>araE</i>	0.253966915	0.233267099	0.276269136	0.513725703
<i>gntR</i>	0.253965358	0.343379826	0.459539845	0.677808678
<i>clsC</i>	0.253417937	0.229878574	0.270288195	0.507911127
<i>yqjD</i>	0.252098312	0.282327986	0.371896209	0.606604039
<i>yejB</i>	0.25178676	0.403342905	0.532463494	0.739186769
<i>gspK</i>	0.251667991	0.221712085	0.256328503	0.492631115
<i>fliK</i>	0.251224423	0.491874063	0.609526487	0.796587383
<i>ycgV</i>	0.250773547	0.271984253	0.356520778	0.592896394
<i>nrdE</i>	0.250626044	0.409771978	0.540787093	0.74615003
<i>ycfS</i>	0.249864661	0.25597432	0.328999179	0.56686713
<i>lpxH</i>	0.249452656	0.254769661	0.327515677	0.56600205
<i>glpT</i>	0.24916113	0.391774244	0.524788549	0.732816109
<i>rutE</i>	0.248434529	0.488708902	0.611208831	0.797627992
<i>tyrR</i>	0.248384423	0.360197112	0.490458874	0.703368552
<i>ybaA</i>	0.247986651	0.61242672	0.685532928	0.836607144
<i>ysgA</i>	0.247243844	0.371715541	0.505959284	0.718957279
<i>gpp</i>	0.246848336	0.274947524	0.369291314	0.604255151
<i>tatB</i>	0.246175592	0.27955457	0.378534672	0.613112592
<i>ygfQ</i>	0.245836047	0.235751092	0.297051132	0.535833521
<i>flgL</i>	0.245285259	0.312937303	0.433148096	0.655054902

<i>yhhT</i>	0.244944597	0.219992903	0.265527897	0.503020235
<i>yigI</i>	0.244695178	0.233060341	0.293753978	0.53235683
<i>queC</i>	0.244645513	0.290945707	0.400424626	0.631204301
<i>ccmA</i>	0.244036727	0.309280666	0.430085019	0.653463765
<i>yaiW</i>	0.243859853	0.417199094	0.558872709	0.758376177
<i>yihN</i>	0.243698268	0.23686929	0.303559496	0.544411233
<i>alx</i>	0.243573543	0.241863764	0.313901531	0.553604326
<i>hemX</i>	0.243429665	0.254507383	0.338832872	0.576005424
<i>yhhN</i>	0.243085774	0.348911246	0.485991799	0.700946371
<i>malM</i>	0.242099641	0.271988317	0.373406586	0.608084868
<i>gadW</i>	0.241602627	0.410143711	0.555815508	0.75646253
<i>yjgN</i>	0.241417305	0.253650601	0.341213095	0.577860031
<i>yedQ</i>	0.240977533	0.24059447	0.316540614	0.555356132
<i>purT</i>	0.240834723	0.33030772	0.465926857	0.684478429
<i>ycbB</i>	0.240703067	0.223044548	0.280511785	0.517916666
<i>ygcU</i>	0.240381511	0.237401571	0.311274044	0.551052892
<i>mdtG</i>	0.240302746	0.237136659	0.310892384	0.550711959
<i>glsA</i>	0.240215043	0.289411696	0.406532267	0.635374504
<i>ybaL</i>	0.238980434	0.234104174	0.307335251	0.546748622
<i>frvA</i>	0.23882018	0.280686431	0.394856383	0.62720056
<i>fdnH</i>	0.238755658	0.511395798	0.640592469	0.813768269
<i>argE</i>	0.238401796	0.258563188	0.356515391	0.592896394
<i>gfcD</i>	0.237371594	0.330054235	0.472024068	0.6903603
<i>glmU</i>	0.236281457	0.315989848	0.454610874	0.673657292
<i>insA</i>	0.236260645	0.349428382	0.498955145	0.711508979
<i>atoE</i>	0.236220696	0.418147738	0.57212708	0.76989234
<i>ycjG</i>	0.235991227	0.335904876	0.4823339	0.699167668
<i>ubiG</i>	0.235177457	0.244433231	0.335982431	0.57363869
<i>caiA</i>	0.233822239	0.225374613	0.299511001	0.53906639
<i>speC</i>	0.233600994	0.280602819	0.405128493	0.63502421
<i>appC</i>	0.233535595	0.342836427	0.495753398	0.708444767
<i>ytjB</i>	0.23327993	0.401524003	0.561249711	0.76083448
<i>yibA</i>	0.233021039	0.391576834	0.551787442	0.752895703
<i>yicL</i>	0.232872463	0.212617192	0.273399951	0.510979446
<i>mhpA</i>	0.232251595	0.677017722	0.731560106	0.86505804
<i>degS</i>	0.232078052	0.260066803	0.372190034	0.606838113
<i>yeaL</i>	0.231431286	0.318199803	0.467033404	0.685605036
<i>wecF</i>	0.231386873	0.293664726	0.430738399	0.654210277
<i>nrdA</i>	0.230797456	0.210084219	0.271944794	0.509169165
<i>yiaA</i>	0.22986986	0.318407783	0.470334176	0.688801332
<i>yggP</i>	0.229846388	0.382799572	0.548216146	0.750792319
<i>phoA</i>	0.228977195	0.367488599	0.533227664	0.739307945
<i>torC</i>	0.22897359	0.275283596	0.405536825	0.635047386
<i>hscC</i>	0.228967936	0.48134598	0.634300476	0.810169369
<i>psd</i>	0.228503584	0.409689063	0.577015928	0.774124131
<i>nrfG</i>	0.228442906	0.325931951	0.483370783	0.699190852
<i>dsdX</i>	0.228343836	0.265852176	0.390388629	0.622678346
<i>ydiS</i>	0.228252795	0.558063526	0.682533332	0.83430303
<i>kduI</i>	0.227731974	0.26983213	0.398682543	0.629934022

<i>yijE</i>	0.227421409	0.387338301	0.557110381	0.757257443
<i>intS</i>	0.227002459	0.217353017	0.296302559	0.53520064
<i>yiiG</i>	0.226687343	0.253727022	0.371626922	0.606526668
<i>thiI</i>	0.226535797	0.259467306	0.382619301	0.616969633
<i>ydjN</i>	0.226241711	0.31491753	0.472500984	0.690617839
<i>potI</i>	0.226175904	0.544138289	0.677659644	0.833940919
<i>flkB</i>	0.226089983	0.245027481	0.356156916	0.592896394
<i>yeaH</i>	0.225899033	0.432234777	0.601231483	0.791794473
<i>ecpB</i>	0.225648665	0.578123815	0.696305847	0.843886732
<i>endA</i>	0.225007278	0.382114534	0.55596342	0.75646253
<i>holD</i>	0.224848267	0.298874545	0.451860717	0.671516637
<i>cdh</i>	0.224696597	0.280438565	0.422996843	0.648306096
<i>yigP</i>	0.224689532	0.266959908	0.399978176	0.630993316
<i>cysG</i>	0.224399338	0.272381355	0.410029053	0.637655644
<i>yjfF</i>	0.223283369	0.259308877	0.38919891	0.622009501
<i>htrE</i>	0.221627753	0.224954892	0.324521052	0.563926663
<i>yhhY</i>	0.221085361	0.617035144	0.720116794	0.858061244
<i>yehX</i>	0.220216234	0.452139259	0.626220064	0.805368079
<i>cusS</i>	0.219956392	0.283253909	0.437433544	0.658788667
<i>tauD</i>	0.219760356	0.352027239	0.532449701	0.739186769
<i>yfjP</i>	0.219431472	0.291527315	0.451632557	0.671516637
<i>ymdB</i>	0.218195299	0.258403307	0.398446903	0.629934022
<i>mraY</i>	0.218139442	0.400092055	0.585600066	0.779448555
<i>nhoA</i>	0.217986398	0.291087077	0.453935525	0.672984838
<i>hisI</i>	0.217965152	0.235084972	0.353835145	0.590017547
<i>sfmD</i>	0.217323153	0.336655381	0.518579925	0.728429769
<i>ypdA</i>	0.216942668	0.286422097	0.448796516	0.669051527
<i>hofP</i>	0.216631987	0.290412071	0.455699485	0.674114629
<i>yhiJ</i>	0.215891801	0.401722335	0.590980654	0.784081396
<i>fixA</i>	0.215749334	0.235168472	0.358920204	0.594734274
<i>rhaR</i>	0.215304281	0.241864604	0.373366473	0.608084868
<i>trmI</i>	0.215211047	0.237056131	0.363958283	0.599779298
<i>hisC</i>	0.214963927	0.514217096	0.675917001	0.833183796
<i>gspF</i>	0.214562394	0.297284112	0.47045319	0.688801332
<i>narX</i>	0.214416396	0.4436539	0.628885194	0.807067525
<i>bacA</i>	0.214104248	0.229254914	0.35034854	0.587344027
<i>proS</i>	0.214065262	0.276609907	0.438996654	0.659079275
<i>ravA</i>	0.213605703	0.232757622	0.358766875	0.594734274
<i>xylE</i>	0.211881245	0.226946194	0.350500537	0.587344027
<i>yjfZ</i>	0.211862761	0.35827455	0.554291345	0.754950796
<i>tsaA</i>	0.211510238	0.337065178	0.530327963	0.738253098
<i>rhtB</i>	0.210536716	0.264888719	0.426722906	0.651399331
<i>gss</i>	0.20977057	0.22912171	0.359907114	0.59546927
<i>oppC</i>	0.209027065	0.253207855	0.40907886	0.637379914
<i>idnD</i>	0.208489609	0.243413743	0.391708238	0.624043471
<i>ycbV</i>	0.20833642	0.241477779	0.388271597	0.621758205
<i>ftsK</i>	0.208273371	0.202650771	0.304069668	0.544689032
<i>ybcH</i>	0.208117239	0.427243743	0.626176168	0.805368079
<i>ydiR</i>	0.207778255	0.511024607	0.68430805	0.836123365

<i>yieK</i>	0.207462653	0.256406816	0.418448884	0.645501776
<i>rhaS</i>	0.207229484	0.273939034	0.449361277	0.669619977
<i>frc</i>	0.206874008	0.334268694	0.535991871	0.74178923
<i>setA</i>	0.205944857	0.211374133	0.329900467	0.567012106
<i>wecG</i>	0.205858058	0.246832984	0.40428247	0.634313382
<i>yfeH</i>	0.205748394	0.247314745	0.405448826	0.635047386
<i>fadI</i>	0.20548685	0.211378255	0.33098657	0.567867735
<i>yejH</i>	0.205125149	0.444048061	0.644121784	0.814620978
<i>gudP</i>	0.204757982	0.357664596	0.566992752	0.765279084
<i>yiiQ</i>	0.204671196	0.266412365	0.442338905	0.662605625
<i>yghA</i>	0.204207994	0.219437906	0.352062686	0.588520523
<i>ybiO</i>	0.202446537	0.4423901	0.647225505	0.817244062
<i>frlR</i>	0.20194801	0.233450973	0.387008417	0.621213908
<i>smf</i>	0.201899456	0.210651558	0.337834768	0.575459476
<i>narI</i>	0.201178874	0.308962988	0.514954627	0.725705969
<i>tdh</i>	0.201092457	0.400256145	0.615379555	0.799075767
<i>nudC</i>	0.200912803	0.264028495	0.446686208	0.667137338
<i>yjeM</i>	0.200408803	0.232605224	0.388916802	0.622009501
<i>mdtH</i>	0.200189592	0.408708905	0.624268557	0.8040357
<i>idi</i>	0.200086875	0.325790823	0.53911126	0.744335164
<i>ygeX</i>	0.199709492	0.229643101	0.384490824	0.619293399
<i>gluQ</i>	0.199093008	0.391155703	0.610761622	0.797627992
<i>hflX</i>	0.198899964	0.401402202	0.620238129	0.802928873
<i>dxs</i>	0.198896806	0.283861188	0.483500654	0.699190852
<i>tyrA</i>	0.198701056	0.224206397	0.375487304	0.61029337
<i>allD</i>	0.198532994	0.314744597	0.528187714	0.736289296
<i>mgtA</i>	0.198035712	0.228842234	0.386829729	0.621174071
<i>yjiI</i>	0.196727241	0.208543925	0.345508456	0.581416273
<i>elfC</i>	0.195887446	0.313037626	0.531470233	0.73882415
<i>paaH</i>	0.194996067	0.434437556	0.65354191	0.820942771
<i>fes</i>	0.194917755	0.421079848	0.643436228	0.814534981
<i>znuB</i>	0.194158693	0.239796502	0.418123489	0.645246379
<i>ybiY</i>	0.193958153	0.528337348	0.713536645	0.853748499
<i>galP</i>	0.193829202	0.235282895	0.410045592	0.637655644
<i>xanQ</i>	0.192460504	0.219073825	0.379662166	0.614553394
<i>lysA</i>	0.191970876	0.346024773	0.579038719	0.774124131
<i>exuT</i>	0.191953549	0.727979866	0.792026701	0.895647744
<i>hyfA</i>	0.191800132	0.282082734	0.496540662	0.709067794
<i>ssuC</i>	0.191433891	0.547683235	0.726688479	0.863370914
<i>etk</i>	0.191416679	0.371963048	0.60682412	0.795201383
<i>caiC</i>	0.190384902	0.293666856	0.516789439	0.726926468
<i>yhcF</i>	0.190290297	0.538969267	0.724040945	0.861211931
<i>nuoK</i>	0.190032239	0.626663625	0.76170361	0.882955657
<i>tnaB</i>	0.189216904	0.340385841	0.578286419	0.774124131
<i>cpsG</i>	0.189022763	0.562461247	0.736822891	0.867963206
<i>insF1</i>	0.188858709	0.991852768	0.848987843	0.923651849
<i>mdfA</i>	0.188786622	0.340753255	0.579560129	0.774124131
<i>barA</i>	0.187754247	0.324516532	0.562882021	0.762023715
<i>rhaT</i>	0.187723168	0.265833891	0.480084182	0.697158217

<i>torR</i>	0.186739934	0.271988958	0.492352637	0.705332716
<i>yadE</i>	0.186591351	0.246204782	0.448528488	0.668898968
<i>treB</i>	0.186227587	0.216432746	0.389546048	0.622281223
<i>fecI</i>	0.186067898	0.236407669	0.431244568	0.654486588
<i>cadC</i>	0.185991111	0.304525781	0.541360772	0.74615003
<i>ecpC</i>	0.185959562	0.451731178	0.680588801	0.83430303
<i>speF</i>	0.185219093	0.276846147	0.503474693	0.715930728
<i>astB</i>	0.184741754	0.537376566	0.73100833	0.864719669
<i>murQ</i>	0.184606471	0.426029217	0.664783178	0.828231584
<i>yadV</i>	0.184460673	0.46737488	0.693083557	0.841750819
<i>yehP</i>	0.184114616	0.429597933	0.668233081	0.829537807
<i>garR</i>	0.184089311	0.240004251	0.443066527	0.662957587
<i>ptrA</i>	0.183272293	0.261806393	0.483908655	0.699190852
<i>yhaJ</i>	0.183191748	0.263540296	0.486981013	0.7011811
<i>wcaK</i>	0.183067172	0.365512228	0.616475976	0.800200669
<i>elfG</i>	0.182655585	0.236318786	0.439569554	0.659334251
<i>yceG</i>	0.182511719	0.233860163	0.435137232	0.656936801
<i>citT</i>	0.18246966	0.278173174	0.511851745	0.722751135
<i>yggI</i>	0.181466639	0.243176593	0.455526081	0.674105128
<i>nuoM</i>	0.180298427	0.358185044	0.614706473	0.799075767
<i>gpmM</i>	0.180284278	0.20544834	0.38020624	0.615187411
<i>agaC</i>	0.178910801	0.433659904	0.679928892	0.83430303
<i>ygcB</i>	0.178909649	0.256685301	0.485802808	0.700924209
<i>waaZ</i>	0.17889824	0.413431283	0.665221266	0.82834616
<i>frwD</i>	0.178733541	0.420313273	0.670662551	0.830765486
<i>waaJ</i>	0.17819777	0.290157726	0.539122125	0.744335164
<i>yqbT</i>	0.177940934	0.335498173	0.595849704	0.787971293
<i>aaeR</i>	0.177932003	0.224919423	0.428890185	0.652387716
<i>yqeI</i>	0.177794447	0.253604891	0.483260153	0.699190852
<i>mngB</i>	0.176375539	0.218788507	0.420158516	0.645633983
<i>gabP</i>	0.175473287	0.363362337	0.62915577	0.807067525
<i>rng</i>	0.175413196	0.222183702	0.42982203	0.653463765
<i>mrdA</i>	0.175136819	0.208873038	0.401758612	0.6323195
<i>dsdA</i>	0.17325261	0.354443487	0.624982032	0.804288321
<i>atoB</i>	0.172587296	0.311052927	0.578998187	0.774124131
<i>fucK</i>	0.171554898	0.234092053	0.463648521	0.682300887
<i>nupX</i>	0.171062267	0.555725123	0.758220726	0.880985096
<i>ydcT</i>	0.170316157	0.357072037	0.633376489	0.809822208
<i>yhhW</i>	0.16944146	0.352168922	0.63041921	0.807625212
<i>rpe</i>	0.169271026	0.421758232	0.688165319	0.838299153
<i>ydhC</i>	0.169184664	0.366454946	0.644311316	0.814620978
<i>frlA</i>	0.168710892	0.362110418	0.641279868	0.814102776
<i>atoS</i>	0.168335059	0.287972	0.558847938	0.758376177
<i>cpdB</i>	0.167405556	0.309689135	0.5888109	0.782690025
<i>mutH</i>	0.166992565	0.271307166	0.538217259	0.744102043
<i>yfdV</i>	0.166678346	0.217582435	0.443648408	0.663336527
<i>dcuS</i>	0.164730853	0.26159819	0.528884697	0.736752078
<i>tehA</i>	0.164500662	0.423299312	0.697560619	0.84420259
<i>ldcC</i>	0.164162324	0.281253189	0.559434519	0.758883452

<i>evgS</i>	0.163218082	0.267187232	0.541282133	0.74615003
<i>emrK</i>	0.162353588	0.280365063	0.562535706	0.761810347
<i>ligT</i>	0.162268207	0.499008349	0.745043826	0.872707636
<i>rclA</i>	0.162067585	0.694105069	0.815379824	0.908982164
<i>yedE</i>	0.162019039	0.425341145	0.703265944	0.847235039
<i>fruA</i>	0.161884654	0.294246452	0.582204916	0.776713973
<i>wza</i>	0.161471536	0.301439805	0.592188303	0.784081396
<i>yiaJ</i>	0.161451591	0.314206972	0.607365015	0.795201383
<i>tsaC</i>	0.161159967	0.413704359	0.696866768	0.84420259
<i>yhbX</i>	0.160802372	0.30045709	0.592516773	0.784259086
<i>groL</i>	0.160455938	0.449134959	0.720900535	0.858741652
<i>epmB</i>	0.160146662	0.352428819	0.649534814	0.819157847
<i>ybgQ</i>	0.159162227	0.403710591	0.693397705	0.841789168
<i>mglA</i>	0.158530138	0.60238418	0.792418666	0.895647744
<i>cof</i>	0.158365688	0.265469487	0.550808199	0.751982651
<i>paaZ</i>	0.158305406	0.399735523	0.692086317	0.841298543
<i>ycjN</i>	0.157902146	0.343004106	0.645264587	0.815315536
<i>aroP</i>	0.157558085	0.31015856	0.611458914	0.797627992
<i>basR</i>	0.156733224	0.403216236	0.697492443	0.84420259
<i>yhiM</i>	0.156012196	0.263550314	0.553874954	0.754638269
<i>yggT</i>	0.153398137	0.285815639	0.591472721	0.784081396
<i>ybhA</i>	0.153283787	0.276124023	0.578808076	0.774124131
<i>pstB</i>	0.152636562	0.284529935	0.591646421	0.784081396
<i>hyaC</i>	0.152482603	0.371623649	0.681575195	0.83430303
<i>yjjQ</i>	0.152045252	0.243686196	0.532667834	0.739216242
<i>relA</i>	0.15070201	0.249285292	0.545487136	0.74876966
<i>yjhQ</i>	0.150589898	0.311649013	0.62895124	0.807067525
<i>caiB</i>	0.150034477	0.336223016	0.655427504	0.822164258
<i>dtd</i>	0.149377597	0.355526299	0.674369257	0.832764793
<i>eutR</i>	0.149358963	0.502218059	0.766162189	0.885737903
<i>mlrA</i>	0.149088439	0.301546416	0.621014603	0.803279702
<i>blc</i>	0.1490805	0.24231519	0.538400314	0.744102043
<i>tsqA</i>	0.149005727	0.294932161	0.613404084	0.798432153
<i>ydiU</i>	0.148810634	0.363060073	0.681894843	0.83430303
<i>flgG</i>	0.148582204	0.289148166	0.607348599	0.795201383
<i>gadB</i>	0.147901899	0.676927083	0.827047234	0.914235948
<i>yjgM</i>	0.147596915	0.231446917	0.52365994	0.732253266
<i>dauA</i>	0.1469119	0.34872528	0.67354872	0.832452278
<i>murA</i>	0.146512245	0.213287965	0.492131737	0.705266533
<i>arpA</i>	0.146493483	0.29758731	0.622528062	0.8040357
<i>ytfL</i>	0.146009963	0.22870507	0.523200109	0.73186377
<i>creD</i>	0.145726373	0.294559978	0.620793802	0.803251468
<i>dhaR</i>	0.145458221	0.355141064	0.682115013	0.83430303
<i>torZ</i>	0.144780195	0.493207234	0.76910301	0.888374493
<i>thiL</i>	0.144588596	0.234024618	0.536684119	0.74249273
<i>djlB</i>	0.144315566	0.286986952	0.615059504	0.799075767
<i>holA</i>	0.143985916	0.247613054	0.560906444	0.76062456
<i>macA</i>	0.143901048	0.217229466	0.507690574	0.720343379
<i>ybbY</i>	0.143574652	0.403896946	0.72223491	0.859823749

<i>fepC</i>	0.143244152	0.417951269	0.731802108	0.865090808
<i>ruvA</i>	0.142811625	0.469563998	0.76102378	0.882831322
<i>gspC</i>	0.142472919	0.247797202	0.565319879	0.763787266
<i>ygbJ</i>	0.142314346	0.265437989	0.59185549	0.784081396
<i>guaD</i>	0.142109004	0.318728395	0.655696652	0.822164258
<i>yqhC</i>	0.141514175	0.23817782	0.55240948	0.752895703
<i>yfiL</i>	0.141109903	0.269606365	0.600701262	0.791794473
<i>waaP</i>	0.141068491	0.248288895	0.569924491	0.767952327
<i>accA</i>	0.140914699	0.418246468	0.736178832	0.867963206
<i>rhtA</i>	0.140851769	0.235292811	0.549424087	0.751363496
<i>ygjV</i>	0.140773654	0.251668045	0.575914384	0.773441905
<i>betA</i>	0.140496765	0.533108258	0.792132352	0.895647744
<i>osmF</i>	0.140232993	0.414419897	0.735073955	0.867963206
<i>ptsP</i>	0.140107127	0.230913016	0.544014952	0.747829602
<i>wcaC</i>	0.138663334	0.506094698	0.784094663	0.895175447
<i>yjgR</i>	0.138071644	0.31774208	0.663896353	0.827973301
<i>fliO</i>	0.137890292	0.487033446	0.777082675	0.891678156
<i>phoB</i>	0.137583031	0.262548851	0.600258848	0.791794473
<i>adhP</i>	0.136949846	0.229303749	0.550345775	0.751605512
<i>yebT</i>	0.13663686	0.326294726	0.675396736	0.833183796
<i>kdsD</i>	0.134273943	0.321544161	0.676246189	0.833335124
<i>ybdN</i>	0.134061156	0.249774623	0.591455176	0.784081396
<i>panE</i>	0.133601849	0.264069196	0.612902282	0.798156939
<i>yjfJ</i>	0.132918818	0.304237228	0.662189658	0.827378412
<i>yghR</i>	0.132238388	0.407215381	0.745379224	0.872707636
<i>yigE</i>	0.131219692	0.28983853	0.650740455	0.819157847
<i>mepA</i>	0.129873166	0.330519714	0.694366592	0.841789168
<i>argG</i>	0.129033568	0.371753509	0.728520387	0.8642326
<i>yfcO</i>	0.129007142	0.309488319	0.676795368	0.83375737
<i>ybjD</i>	0.128445836	0.30115373	0.669734428	0.830125234
<i>ybaZ</i>	0.128319561	0.442829798	0.77199087	0.890690809
<i>ybbM</i>	0.128189881	0.34720659	0.711976062	0.852639384
<i>treC</i>	0.12818064	0.270274778	0.635314184	0.810607889
<i>hybB</i>	0.127932655	0.682665609	0.851345736	0.9237455
<i>speA</i>	0.127740386	0.522977511	0.807032572	0.904626068
<i>ybeR</i>	0.127713424	0.283040292	0.651831039	0.820019291
<i>narY</i>	0.127375468	0.458235656	0.781035886	0.893736623
<i>ynbC</i>	0.127185515	0.3982237	0.749436795	0.876270584
<i>insF1</i>	0.127112653	0.887327655	0.886090103	0.944891297
<i>yfiN</i>	0.126895825	0.249972044	0.611705787	0.797627992
<i>tyrB</i>	0.126389408	0.228317449	0.579874009	0.774124131
<i>fliM</i>	0.125756185	0.442389076	0.77620652	0.891678156
<i>yjhU</i>	0.125233094	0.547920474	0.819210363	0.91057487
<i>nadB</i>	0.125173744	0.296743996	0.673153476	0.832452278
<i>epmC</i>	0.124572341	0.296300034	0.674174024	0.832764793
<i>yggE</i>	0.122828967	0.264772676	0.642716896	0.814447504
<i>aroF</i>	0.122740671	0.226913193	0.588566411	0.782690025
<i>csiE</i>	0.122301057	0.298456315	0.681968252	0.83430303
<i>wzb</i>	0.122281757	0.437361591	0.779792379	0.893055839

<i>yhhZ</i>	0.121409556	0.316372578	0.701160051	0.846373654
<i>yjaH</i>	0.120922851	0.238925512	0.612778665	0.798156939
<i>yaaA</i>	0.120748964	0.27289586	0.658147192	0.823602051
<i>yhaK</i>	0.120624548	0.270010059	0.655062118	0.822034744
<i>ybhJ</i>	0.120339157	0.347118909	0.728831796	0.8642326
<i>agaR</i>	0.119856651	0.445931753	0.788100512	0.895647744
<i>nlpA</i>	0.119631838	0.346599046	0.729974715	0.8643334
<i>dcyD</i>	0.119571883	0.347848707	0.731036705	0.864719669
<i>ybiI</i>	0.119560547	0.433375215	0.782638476	0.894538938
<i>yeiH</i>	0.119418808	0.24354012	0.623889416	0.8040357
<i>truD</i>	0.11861684	0.261969233	0.650700539	0.819157847
<i>ycbF</i>	0.118591943	0.295128446	0.687807946	0.838175989
<i>motB</i>	0.118513569	0.278108173	0.670004388	0.830204946
<i>ybiR</i>	0.117930195	0.351220519	0.737042422	0.867963206
<i>proP</i>	0.116741992	0.255763698	0.648070207	0.817581071
<i>yihR</i>	0.116636819	0.227064611	0.607481066	0.795201383
<i>naqZ</i>	0.116221395	0.250067281	0.642102978	0.814447504
<i>ybaP</i>	0.116036199	0.232659984	0.617964502	0.800934796
<i>zitB</i>	0.11481248	0.254797411	0.652275697	0.82032305
<i>pabA</i>	0.114059695	0.268944015	0.671491425	0.831537081
<i>menD</i>	0.113768619	0.564082444	0.840160701	0.919167683
<i>sgcA</i>	0.113693228	0.336176044	0.735215861	0.867963206
<i>ghrB</i>	0.113613733	0.261774908	0.664278945	0.828119138
<i>uvrB</i>	0.112725099	0.215844769	0.601495733	0.791794473
<i>garD</i>	0.112570501	0.266795375	0.673071931	0.832452278
<i>ygjI</i>	0.112468568	0.37666402	0.765251967	0.885192605
<i>rarD</i>	0.112411893	0.263438047	0.669589891	0.830125234
<i>bglG</i>	0.111812334	0.278302455	0.687856589	0.838175989
<i>djlC</i>	0.111584913	0.298313348	0.70836511	0.850679367
<i>nuoF</i>	0.111436097	0.226952524	0.623418945	0.8040357
<i>ycaI</i>	0.111383083	0.276304794	0.68686236	0.837723066
<i>yccS</i>	0.108991015	0.326049498	0.738170158	0.868802603
<i>yegI</i>	0.108946926	0.38770746	0.778708165	0.892573782
<i>sgrS</i>	0.108600584	0.723847538	0.880739053	0.942437059
<i>clsB</i>	0.10839864	0.559938737	0.84649679	0.922499874
<i>ybaT</i>	0.108055904	0.409349612	0.791803249	0.895647744
<i>gspI</i>	0.108042578	0.264226083	0.68261157	0.83430303
<i>focB</i>	0.107502144	0.348000348	0.757387025	0.88063693
<i>rsmB</i>	0.107312934	0.265656918	0.686247213	0.837225748
<i>yqeB</i>	0.105138358	0.213822961	0.622926119	0.8040357
<i>kbaY</i>	0.105106042	0.32086785	0.743238316	0.871971253
<i>yidC</i>	0.103996332	0.666804435	0.876062763	0.940102439
<i>yfeO</i>	0.103366216	0.395746209	0.793943527	0.896101284
<i>coaA</i>	0.103040539	0.325812864	0.751807585	0.877797051
<i>ascB</i>	0.102824804	0.324563863	0.751388414	0.877797051
<i>yohK</i>	0.102601694	0.369339822	0.781167781	0.893736623
<i>tynA</i>	0.102267772	0.281178621	0.716073789	0.854561594
<i>mhpD</i>	0.102010504	0.434863581	0.814534367	0.908755262
<i>ytfQ</i>	0.101904086	0.247662268	0.680732397	0.83430303

<i>dcuC</i>	0.101314112	0.217020321	0.640613217	0.813768269
<i>ydiJ</i>	0.100943354	0.442437579	0.819527487	0.91057487
<i>corA</i>	0.100890287	0.44808518	0.821855799	0.912006956
<i>xdhA</i>	0.100887535	0.263018628	0.701293008	0.846373654
<i>ybhD</i>	0.100653746	0.232389697	0.664924093	0.828231584
<i>lexA</i>	0.100309375	0.55064978	0.855452872	0.926606719
<i>topB</i>	0.098827998	0.475874408	0.835481459	0.917030628
<i>pphB</i>	0.098765718	0.421323623	0.814660712	0.908755262
<i>dtpB</i>	0.098632242	0.466981261	0.83272152	0.916441401
<i>hyfC</i>	0.098592396	0.43473664	0.820589771	0.911089357
<i>rihB</i>	0.097943469	0.25512046	0.701044651	0.846373654
<i>hisF</i>	0.097874446	0.394672267	0.80414279	0.902258044
<i>ddpD</i>	0.097304589	0.347528947	0.779485267	0.893055839
<i>ycaQ</i>	0.096974754	0.399033188	0.807986588	0.905204389
<i>iaaA</i>	0.09629934	0.445268398	0.828775291	0.915644732
<i>tas</i>	0.096178724	0.240015342	0.68862697	0.838497695
<i>dut</i>	0.095958959	0.339050183	0.777159299	0.891678156
<i>yeeR</i>	0.095917882	0.372377049	0.79672899	0.8979327
<i>ytfI</i>	0.095534939	0.287264944	0.739460899	0.869054919
<i>kdqT</i>	0.095190017	0.31933081	0.76563281	0.885379448
<i>narK</i>	0.094998682	0.324130695	0.769455209	0.888527082
<i>helD</i>	0.094622813	0.415793605	0.819979306	0.910662024
<i>ttdB</i>	0.094539708	0.300681293	0.753203341	0.878302105
<i>ansP</i>	0.09389596	0.354050751	0.790851695	0.895647744
<i>csiR</i>	0.093332532	0.419863817	0.824086275	0.913021024
<i>oppF</i>	0.093020237	0.213364607	0.662859619	0.827447211
<i>nusA</i>	0.092938672	0.406065551	0.81896527	0.91057487
<i>htpG</i>	0.092553995	0.205545879	0.652505766	0.820356828
<i>coaE</i>	0.092494982	0.299284102	0.757280366	0.88063693
<i>yieH</i>	0.092312171	0.452376271	0.838306146	0.918386526
<i>rpoD</i>	0.092163988	0.375640932	0.80618444	0.904297468
<i>wzxC</i>	0.09201817	0.524563251	0.860750698	0.929601543
<i>dhaL</i>	0.091780036	0.378409761	0.808360676	0.905204389
<i>yihY</i>	0.091380884	0.270080128	0.735101479	0.867963206
<i>prmA</i>	0.09088132	0.219276907	0.678537879	0.834122235
<i>secA</i>	0.090830834	0.339421846	0.789003721	0.895647744
<i>pldB</i>	0.08999035	0.430966976	0.834596319	0.916822141
<i>mdtK</i>	0.089662274	0.344177268	0.794468937	0.896136099
<i>purN</i>	0.089524812	0.288698551	0.756486515	0.880096848
<i>idnO</i>	0.089085857	0.289559545	0.758341146	0.880985096
<i>flgE</i>	0.088758638	0.271881723	0.744075986	0.872446923
<i>yhjH</i>	0.088071458	0.262501874	0.737241971	0.867963206
<i>ydbK</i>	0.086281831	0.214195754	0.687082372	0.837738307
<i>pcm</i>	0.086249194	0.268609161	0.748138018	0.875429906
<i>betT</i>	0.086200786	0.437952877	0.843963216	0.921063116
<i>aes</i>	0.086178766	0.255903489	0.736295747	0.867963206
<i>mtlR</i>	0.086071506	0.239400316	0.71919892	0.85722056
<i>rluF</i>	0.085121644	0.226853835	0.707491781	0.850549232
<i>modA</i>	0.085084443	0.224727759	0.704976615	0.848789322

<i>yfcR</i>	0.084593078	0.425352646	0.842358556	0.920325167
<i>pheP</i>	0.084176086	0.317334007	0.790809013	0.895647744
<i>rutG</i>	0.084133783	0.386006296	0.827460578	0.914442473
<i>yehT</i>	0.083540629	0.229590514	0.71595662	0.854561594
<i>yqeG</i>	0.083438062	0.416474357	0.841211696	0.919904188
<i>alaS</i>	0.082158975	0.383584474	0.830400894	0.916159834
<i>wecH</i>	0.082122334	0.219750015	0.70862159	0.850679367
<i>yecC</i>	0.08181891	0.432372357	0.849910583	0.923651849
<i>gfcC</i>	0.081301137	0.369094572	0.825659457	0.913772671
<i>lptB</i>	0.081230573	0.32693729	0.803779144	0.902100752
<i>csiD</i>	0.081181111	0.220581147	0.712848729	0.853178274
<i>uidB</i>	0.081043544	0.398868964	0.838991703	0.918386526
<i>fpr</i>	0.079342442	0.278091522	0.775406241	0.891678156
<i>yihI</i>	0.079320083	0.331769792	0.811042237	0.906472179
<i>wrbA</i>	0.078977119	0.346447617	0.819675273	0.91057487
<i>yjjU</i>	0.077774626	0.379321606	0.837543914	0.918054792
<i>tusD</i>	0.07747673	0.375541578	0.836551374	0.917955395
<i>agaI</i>	0.077117961	0.217627871	0.723071349	0.860565754
<i>cvrA</i>	0.07692568	0.347355772	0.824733673	0.91342931
<i>hyfE</i>	0.076667791	0.406653467	0.850458478	0.923675242
<i>nrdD</i>	0.076298453	0.347081983	0.826004854	0.913834364
<i>yhaO</i>	0.075344289	0.24988715	0.763023142	0.883373796
<i>yqiI</i>	0.075185902	0.263337346	0.775252118	0.891678156
<i>ybhN</i>	0.074550663	0.281564667	0.791184498	0.895647744
<i>ompN</i>	0.07445224	0.293694263	0.799879903	0.899440462
<i>lpoB</i>	0.07424861	0.272660571	0.785382512	0.89554997
<i>dinD</i>	0.074215761	0.440017765	0.866059856	0.932342304
<i>yadM</i>	0.074183834	0.317995716	0.815539608	0.908982164
<i>guaB</i>	0.074150741	0.306428523	0.80879271	0.905204389
<i>sgcR</i>	0.07387664	0.244810252	0.762826623	0.883373796
<i>yfgF</i>	0.073834211	0.336681712	0.826416566	0.914039363
<i>appB</i>	0.073722593	0.368163522	0.841289636	0.919904188
<i>rlmF</i>	0.072692202	0.354184615	0.837386048	0.918054792
<i>dhaK</i>	0.072533181	0.317452272	0.819268974	0.91057487
<i>ybiU</i>	0.072487988	0.342117472	0.832200341	0.916298342
<i>fecE</i>	0.071899673	0.269861425	0.789906657	0.895647744
<i>feaB</i>	0.071003168	0.322462346	0.82572274	0.913772671
<i>ydcS</i>	0.0707503	0.374460155	0.850140265	0.923651849
<i>mhpT</i>	0.068992253	0.688825399	0.920217876	0.958194368
<i>idnR</i>	0.068740471	0.25623467	0.788490307	0.895647744
<i>ydjE</i>	0.068631175	0.322977305	0.831720607	0.916298342
<i>insE1</i>	0.066993629	1.773333087	0.969864392	0.982766705
<i>yfcC</i>	0.066726616	0.310437218	0.829810982	0.916159834
<i>yjdC</i>	0.066155107	0.356263778	0.852686801	0.924602905
<i>cdsA</i>	0.06595925	0.226993034	0.771373859	0.890318484
<i>ampE</i>	0.065260176	0.337410497	0.846634143	0.922499874
<i>yehL</i>	0.064772146	0.532312042	0.903151833	0.952158378
<i>rtn</i>	0.06462029	0.22245895	0.771447624	0.890318484
<i>sufD</i>	0.06454335	0.430440606	0.880806298	0.942437059

<i>galM</i>	0.064473951	0.215454961	0.764752653	0.884868575
<i>sbp</i>	0.064335118	0.243958692	0.792000953	0.895647744
<i>acrB</i>	0.064113141	0.342332233	0.851438446	0.9237455
<i>yddB</i>	0.064017524	0.338257316	0.849891489	0.923651849
<i>asmA</i>	0.063814096	0.31037565	0.837101208	0.918054792
<i>proY</i>	0.062835497	0.22736296	0.782266611	0.894367123
<i>insA</i>	0.062438756	0.785824926	0.936669674	0.966050976
<i>patD</i>	0.061823759	0.497910474	0.901183512	0.952158378
<i>purF</i>	0.061634946	0.420819599	0.883555061	0.943877159
<i>hslO</i>	0.061619914	0.255616349	0.809505471	0.905506674
<i>yggS</i>	0.060925546	0.358369552	0.865004163	0.93191002
<i>pncA</i>	0.06058783	0.382025099	0.873986815	0.938696108
<i>yjjX</i>	0.060533957	0.290346684	0.834847528	0.916822141
<i>obqE</i>	0.060242063	0.313128677	0.847438634	0.923127298
<i>rnd</i>	0.060112734	0.377543298	0.873494941	0.938696108
<i>livK</i>	0.060094363	0.27990153	0.830002602	0.916159834
<i>ydhQ</i>	0.05993889	0.256536277	0.815259164	0.908982164
<i>frmB</i>	0.059707566	0.254611386	0.814593187	0.908755262
<i>pnuC</i>	0.059654238	0.247863983	0.809808349	0.905594544
<i>yjhB</i>	0.059369063	0.251876719	0.813660169	0.908392174
<i>ebgR</i>	0.05930717	0.256617329	0.817228321	0.909859551
<i>prfA</i>	0.059298896	0.343577262	0.862971662	0.93075517
<i>yiiM</i>	0.05807057	0.219732963	0.791565774	0.895647744
<i>yehA</i>	0.057947891	0.29046177	0.841869577	0.920272516
<i>hemB</i>	0.057658537	0.50638551	0.909346454	0.954506405
<i>malE</i>	0.057616939	0.224465757	0.797422136	0.898021783
<i>yabI</i>	0.057526827	0.379109304	0.879390381	0.94183835
<i>argA</i>	0.057452611	0.214103382	0.788437225	0.895647744
<i>dmsD</i>	0.057273568	0.34231922	0.867125815	0.932992248
<i>waaU</i>	0.057016648	0.311737407	0.854876794	0.926231244
<i>yrbG</i>	0.056902588	0.227218908	0.802254298	0.901140957
<i>alaC</i>	0.056488219	0.271128027	0.834959453	0.916822141
<i>yiiX</i>	0.056147599	0.262610645	0.830698738	0.916159834
<i>scpC</i>	0.056136778	0.438749566	0.898190759	0.950706895
<i>sfmF</i>	0.055859896	0.240743266	0.816513952	0.909589544
<i>nuoC</i>	0.055391763	0.313891425	0.85992636	0.92901035
<i>yebS</i>	0.054817784	0.278890996	0.844174766	0.921063116
<i>ubiB</i>	0.05469452	0.269080824	0.838928472	0.918386526
<i>truA</i>	0.054577588	0.237117017	0.817958479	0.910170446
<i>rsmG</i>	0.054571011	0.542697627	0.919903645	0.958114297
<i>acrE</i>	0.053992481	0.22087714	0.806885604	0.904626068
<i>ybgF</i>	0.053915327	0.22634852	0.811729029	0.906876628
<i>ybgD</i>	0.053752392	0.435065774	0.901671556	0.952158378
<i>cysM</i>	0.052996765	0.458390799	0.907957826	0.954423114
<i>ycaM</i>	0.052795769	0.287705449	0.854400759	0.925963991
<i>astA</i>	0.052645238	0.675657726	0.937894059	0.966050976
<i>yhcM</i>	0.052500834	0.220558637	0.81185339	0.906876628
<i>ygaZ</i>	0.052092753	0.256150859	0.838847822	0.918386526
<i>yceJ</i>	0.05152009	0.246578358	0.834495052	0.916822141

<i>lsrD</i>	0.050749392	0.440161507	0.908209553	0.954423114
<i>ushA</i>	0.050596988	0.269085693	0.850850788	0.9237455
<i>sdaA</i>	0.05046844	0.446448449	0.909995456	0.954691179
<i>surA</i>	0.050425058	0.268481217	0.851020922	0.9237455
<i>pmbA</i>	0.050291459	0.282950376	0.858927562	0.92862629
<i>nanS</i>	0.050262841	0.217949829	0.817612698	0.910036521
<i>vsr</i>	0.049597136	0.638117366	0.938047476	0.966050976
<i>ttdR</i>	0.049034985	0.259646509	0.850208143	0.923651849
<i>lysU</i>	0.048628253	0.399891802	0.903213022	0.952158378
<i>tamA</i>	0.047574813	0.340331216	0.888826118	0.94547321
<i>nuoG</i>	0.047565294	0.419228519	0.909666581	0.954594226
<i>dsbE</i>	0.045865549	0.292650597	0.875461895	0.939707436
<i>rfbD</i>	0.045510514	0.268471692	0.865390007	0.93191002
<i>yeeA</i>	0.045087336	0.268575925	0.86668117	0.932762433
<i>ygjP</i>	0.044327127	0.370089572	0.90466214	0.952765468
<i>dkgA</i>	0.043425136	0.227899626	0.848882076	0.923651849
<i>scpB</i>	0.043313911	0.376132286	0.908321428	0.954423114
<i>yfbL</i>	0.043153856	0.23835007	0.856326432	0.926929539
<i>yjtD</i>	0.042926231	0.246637906	0.861829661	0.930269076
<i>yfeR</i>	0.042760383	0.34458815	0.901243006	0.952158378
<i>pppA</i>	0.042590691	0.235427249	0.856439728	0.926929539
<i>pyrC</i>	0.042433163	0.384596787	0.91214643	0.95512832
<i>acpH</i>	0.042179033	0.346849166	0.903210849	0.952158378
<i>sgcE</i>	0.041840454	0.331466808	0.8995513	0.951647956
<i>modC</i>	0.041774563	0.388363573	0.914340282	0.956094797
<i>slp</i>	0.04130293	0.438904289	0.925026036	0.960955945
<i>ddlB</i>	0.041101852	0.447713119	0.926853772	0.961433778
<i>zapD</i>	0.040776076	0.274705538	0.881999023	0.943463184
<i>fliH</i>	0.040759492	0.616926303	0.947323165	0.970399294
<i>yrfG</i>	0.040743273	0.346687914	0.906446832	0.953446029
<i>fhuE</i>	0.04068854	0.268609255	0.879598232	0.94183835
<i>murJ</i>	0.040524953	0.51737562	0.937567213	0.966050976
<i>yjbM</i>	0.040390529	0.39641472	0.918844321	0.957803931
<i>yghS</i>	0.040366534	0.217106547	0.852499968	0.924602905
<i>asd</i>	0.040347444	0.452300813	0.92891908	0.962618358
<i>gfcE</i>	0.040213785	0.429990106	0.925488411	0.960955945
<i>ygjI</i>	0.039987108	0.286365135	0.888946972	0.94547321
<i>ydbH</i>	0.039965174	0.423040139	0.924734738	0.960914836
<i>ydbD</i>	0.039701021	0.332973706	0.905091793	0.952765468
<i>yiaM</i>	0.038928093	0.31918546	0.902930116	0.952158378
<i>napH</i>	0.038836275	0.4531433	0.931701579	0.964022656
<i>xerD</i>	0.037485796	0.333192269	0.910423006	0.954771134
<i>envY</i>	0.036683161	0.311579417	0.906279265	0.953446029
<i>ybiT</i>	0.036297284	0.247510244	0.883408585	0.943877159
<i>flgK</i>	0.03581988	0.340193882	0.916143677	0.956676381
<i>yfaA</i>	0.035200669	0.42104636	0.933372213	0.965169986
<i>narH</i>	0.034715812	0.389597926	0.928997058	0.962618358
<i>ycjM</i>	0.033103969	0.336629154	0.921662651	0.959259236
<i>yebQ</i>	0.032709598	0.317971906	0.918066577	0.957544554

<i>pka</i>	0.032053608	0.200493271	0.872980538	0.93854126
<i>rcsC</i>	0.031957911	0.267561141	0.904925564	0.952765468
<i>ydeP</i>	0.031761782	0.260397084	0.902919281	0.952158378
<i>yejE</i>	0.031399518	0.383004856	0.934660998	0.966007795
<i>dnaB</i>	0.031173754	0.224493435	0.889558683	0.94547321
<i>clpB</i>	0.030933496	0.271502237	0.909289645	0.954506405
<i>ybjS</i>	0.030689693	0.301902127	0.919030962	0.957803931
<i>dtpD</i>	0.030462929	0.248742159	0.902528468	0.952158378
<i>nagB</i>	0.03024977	0.388087498	0.937871209	0.966050976
<i>lptF</i>	0.029387201	0.365634395	0.935940453	0.966050976
<i>coaD</i>	0.028340064	0.337900759	0.933159022	0.965169986
<i>chpB</i>	0.027633273	0.253092842	0.913057853	0.955229439
<i>djlA</i>	0.026629141	0.23223663	0.908711586	0.954506405
<i>tam</i>	0.025954626	0.342598149	0.939611456	0.966915995
<i>purM</i>	0.02558912	0.223737589	0.908943601	0.954506405
<i>hmp</i>	0.025260123	0.324864148	0.938022181	0.966050976
<i>yliF</i>	0.025157688	0.308872321	0.93508399	0.966050976
<i>ybgP</i>	0.02498372	0.317616946	0.937303134	0.966050976
<i>yfeA</i>	0.024414563	0.294224836	0.933868021	0.965435391
<i>ybhC</i>	0.02433021	0.248709913	0.922070735	0.959259236
<i>ydjK</i>	0.023910802	0.36362112	0.947570924	0.970406854
<i>yhdX</i>	0.023882644	0.31024555	0.938639605	0.966408591
<i>insC1</i>	0.023355548	0.982117448	0.981027448	0.989359932
<i>feaR</i>	0.022691392	0.305723774	0.940833841	0.966941501
<i>ydiO</i>	0.022384971	0.439575532	0.959386034	0.976831106
<i>apbE</i>	0.02214823	0.480977974	0.963271732	0.979035242
<i>yieE</i>	0.022132171	0.400908344	0.955975095	0.975795564
<i>fsaA</i>	0.022127554	0.241313483	0.926939337	0.961433778
<i>serA</i>	0.021868854	0.291664892	0.940231116	0.966941501
<i>xdhD</i>	0.021820704	0.351222027	0.95046094	0.971641128
<i>yeiB</i>	0.021498073	0.496009032	0.965428832	0.979747661
<i>wcaM</i>	0.020950062	0.38731053	0.956862564	0.975961135
<i>dpiA</i>	0.020213221	0.302432806	0.946712733	0.970020128
<i>ypfH</i>	0.020066664	0.390573484	0.959024765	0.976831106
<i>degQ</i>	0.020021569	0.233198668	0.931580669	0.964022656
<i>tsaE</i>	0.019938301	0.34467552	0.953870833	0.974123906
<i>era</i>	0.019923215	0.256355099	0.938052967	0.966050976
<i>dxr</i>	0.019869954	0.255147493	0.937926417	0.966050976
<i>envR</i>	0.01976696	0.287019232	0.945093249	0.969657339
<i>ybhS</i>	0.018628577	0.415303726	0.964222638	0.979262086
<i>ydjJ</i>	0.018114278	0.360651257	0.959941834	0.977126874
<i>nagC</i>	0.017204132	0.254502141	0.94610472	0.970020128
<i>rsmF</i>	0.017185825	0.315851402	0.956607629	0.975947688
<i>yafT</i>	0.016413836	0.261667388	0.949983211	0.971641128
<i>rlmG</i>	0.015865893	0.231792261	0.945428406	0.969688637
<i>wzc</i>	0.015641428	0.4107528	0.969623973	0.982766705
<i>hflC</i>	0.015318742	0.636709474	0.980805361	0.989359932
<i>mtr</i>	0.01489104	0.238720019	0.950261273	0.971641128
<i>queF</i>	0.014539383	0.299789606	0.961318863	0.978035345

<i>yqeC</i>	0.014490973	0.411191666	0.971887244	0.983503167
<i>ylaB</i>	0.014354382	0.261664398	0.956251604	0.975831073
<i>prpR</i>	0.013640065	0.562672667	0.980659926	0.989359932
<i>ysaA</i>	0.013612854	0.681413182	0.984061412	0.9901934
<i>eutP</i>	0.013539198	0.304235353	0.964503952	0.979301422
<i>tdcC</i>	0.013412905	0.255491887	0.958131601	0.976761938
<i>ssuE</i>	0.012799428	0.447345783	0.977174094	0.986953169
<i>yfeW</i>	0.012440282	0.39168402	0.974662637	0.985649565
<i>ypfJ</i>	0.011828138	0.227754519	0.958581512	0.976831106
<i>yadN</i>	0.011753956	0.336576303	0.972141847	0.983503167
<i>glxR</i>	0.011738236	0.267598682	0.965011955	0.979570848
<i>astE</i>	0.010892388	0.470763603	0.981540432	0.989623746
<i>lsrK</i>	0.010486487	0.416719628	0.979923857	0.989235461
<i>yddG</i>	0.009025321	0.305287603	0.976415303	0.986680495
<i>cysH</i>	0.008572676	0.225322135	0.969650759	0.982766705
<i>metF</i>	0.008450606	0.235651832	0.971393547	0.983328924
<i>yncD</i>	0.007027035	0.288587225	0.980573607	0.989359932
<i>mltB</i>	0.006287147	0.275290541	0.981779317	0.989623746
<i>yfdE</i>	0.006196996	0.331250007	0.985074117	0.990965415
<i>qshA</i>	0.006078818	0.236678829	0.979509524	0.989064519
<i>bdcR</i>	0.006063242	0.287895049	0.983197316	0.9901934
<i>yhjV</i>	0.005440448	0.301266424	0.98559211	0.991157071
<i>ygdB</i>	0.004234439	0.407670725	0.991712593	0.995658726
<i>elfD</i>	0.003595129	0.248323411	0.988448944	0.993370273
<i>yfiD</i>	0.003217524	0.307254945	0.991644835	0.995658726
<i>menF</i>	0.00264957	0.4502635	0.995304886	0.997281167
<i>yebK</i>	0.002389324	0.379676489	0.994978903	0.997248962
<i>yafZ</i>	0.001602833	0.224729997	0.994309329	0.997248962
<i>pgi</i>	0.001501035	0.408318598	0.997066875	0.998055783
<i>phoR</i>	0.001224682	0.277536891	0.996479199	0.997772852
<i>yhhX</i>	0.001013098	0.233424405	0.996537067	0.997772852
<i>plaP</i>	0.000812591	0.244990363	0.997353559	0.99809527
<i>lysS</i>	0.000552912	0.473982079	0.999069247	0.999069247
<i>yjhl</i>	-0.000594501	0.249210844	0.998096622	0.998591341
<i>ydiQ</i>	-0.000774784	0.46829292	0.998679913	0.998927356
<i>asnB</i>	-0.00155142	0.248540608	0.995019543	0.997248962
<i>prmB</i>	-0.002456626	0.316079365	0.993798758	0.997248962
<i>lsrA</i>	-0.002550444	0.496495299	0.995901369	0.997631223
<i>oxc</i>	-0.002621598	0.420506575	0.995025717	0.997248962
<i>argO</i>	-0.003626358	0.36316307	0.992032872	0.995732646
<i>yjbQ</i>	-0.00373932	0.506374838	0.994108082	0.997248962
<i>der</i>	-0.00474842	0.265964764	0.98575567	0.991157071
<i>iap</i>	-0.005889797	0.2867923	0.983615155	0.9901934
<i>yafE</i>	-0.006729564	0.419589894	0.987203732	0.992365903
<i>yicC</i>	-0.006872929	0.309628915	0.982290564	0.989850093
<i>pqiA</i>	-0.007838977	0.392113036	0.984050052	0.9901934
<i>dnaK</i>	-0.009232095	0.420750834	0.982494259	0.989850093
<i>chiP</i>	-0.009252996	0.304700904	0.975773987	0.986519241
<i>intD</i>	-0.009324243	0.225102344	0.966959283	0.980561322

<i>insC1</i>	-0.009726196	0.925738514	0.991617245	0.995658726
<i>dcuR</i>	-0.009921655	0.27081609	0.970775129	0.983195985
<i>potE</i>	-0.010107308	0.218647314	0.963129693	0.979035242
<i>cpxR</i>	-0.01050873	0.522356477	0.983949299	0.9901934
<i>mukF</i>	-0.011077223	0.243117859	0.963658415	0.97903889
<i>modF</i>	-0.011314709	0.392297212	0.976990455	0.986953169
<i>fadJ</i>	-0.011904049	0.395880081	0.976011357	0.986519241
<i>pitB</i>	-0.012155778	0.350027005	0.972296542	0.983503167
<i>insC1</i>	-0.012614501	0.921095454	0.989073227	0.993750278
<i>sapD</i>	-0.012970073	0.254840502	0.959409298	0.976831106
<i>wbbH</i>	-0.013455725	0.28013902	0.96169049	0.97816692
<i>rsxD</i>	-0.013556483	0.375334652	0.97118796	0.983328924
<i>fieF</i>	-0.014337078	0.3155494	0.963760354	0.97903889
<i>nudF</i>	-0.014720401	0.354840818	0.966909634	0.980561322
<i>yihG</i>	-0.015510024	0.239877359	0.948446191	0.970635149
<i>yqjE</i>	-0.016226639	0.263074527	0.950817055	0.971759101
<i>hcr</i>	-0.016598377	0.349863691	0.962160628	0.978398604
<i>nac</i>	-0.016803804	0.225630709	0.940632586	0.966941501
<i>alsB</i>	-0.017036515	0.229176392	0.94074144	0.966941501
<i>araH</i>	-0.017525108	0.356881526	0.960834634	0.977789114
<i>yfiC</i>	-0.017557405	0.22363148	0.937422029	0.966050976
<i>ydhK</i>	-0.018943204	0.515131544	0.970665582	0.983195985
<i>atoC</i>	-0.01966899	0.308855308	0.949222236	0.971112561
<i>fucR</i>	-0.020142826	0.311945917	0.948515151	0.970635149
<i>shiA</i>	-0.021347146	0.310328603	0.945157698	0.969657339
<i>tesB</i>	-0.021733123	0.229808925	0.924656059	0.960914836
<i>rsmH</i>	-0.021830888	0.326570143	0.946701913	0.970020128
<i>yghQ</i>	-0.021866462	0.227852414	0.923546262	0.960174159
<i>cheA</i>	-0.022434325	0.534841856	0.966541971	0.980561322
<i>umuC</i>	-0.022576856	0.388029641	0.953602601	0.974112778
<i>leuS</i>	-0.022844949	0.389872784	0.953273971	0.974023543
<i>trpC</i>	-0.022862963	0.307685934	0.940766767	0.966941501
<i>yadS</i>	-0.022968519	0.247226345	0.925979177	0.961218292
<i>yaiI</i>	-0.023376702	0.317468754	0.941301096	0.967175496
<i>yaiP</i>	-0.023545609	0.294285307	0.93622973	0.966050976
<i>ygiL</i>	-0.023591324	0.351947379	0.946557161	0.970020128
<i>ribF</i>	-0.024567226	0.339312408	0.942281222	0.967689975
<i>uidC</i>	-0.024966437	0.282256794	0.929516703	0.962909656
<i>fliS</i>	-0.02505763	0.287073761	0.930443877	0.963406181
<i>yghT</i>	-0.025079634	0.24026209	0.916864235	0.956676381
<i>yecD</i>	-0.02581114	0.245563039	0.916288496	0.956676381
<i>clcB</i>	-0.025893922	0.506062506	0.959192099	0.976831106
<i>ygiB</i>	-0.026494488	0.406041558	0.947974411	0.970573851
<i>yjcF</i>	-0.026958443	0.308981518	0.930473297	0.963406181
<i>yegH</i>	-0.027240884	0.297138789	0.926954428	0.961433778
<i>yeaX</i>	-0.028782221	0.500005644	0.954096092	0.974123906
<i>yhdZ</i>	-0.029952775	0.271415435	0.912125723	0.95512832
<i>yqeF</i>	-0.030341891	0.257584319	0.906230871	0.953446029
<i>yjgL</i>	-0.031809775	0.348738424	0.927322669	0.961433778

<i>metI</i>	-0.03205791	0.232616972	0.890387302	0.94547321
<i>srlR</i>	-0.032202305	0.295122773	0.913111322	0.955229439
<i>queG</i>	-0.032560099	0.235873927	0.890208595	0.94547321
<i>ybdK</i>	-0.03292423	0.308671379	0.91505527	0.956271842
<i>ybeQ</i>	-0.03303811	0.235544543	0.888452446	0.94547321
<i>bax</i>	-0.033073993	0.35286748	0.925324259	0.960955945
<i>yejF</i>	-0.033242869	0.25815847	0.897540249	0.950516786
<i>ybdO</i>	-0.033707317	0.344486861	0.922053069	0.959259236
<i>dkgB</i>	-0.034094811	0.336443334	0.919281404	0.957803931
<i>mlc</i>	-0.034290879	0.246400671	0.889318066	0.94547321
<i>yihX</i>	-0.034619977	0.331225108	0.916755909	0.956676381
<i>dctR</i>	-0.034692821	0.330484679	0.916395186	0.956676381
<i>fmt</i>	-0.035400703	0.506079933	0.944232809	0.96920108
<i>dgt</i>	-0.036232614	0.280937368	0.897381044	0.950516786
<i>cysC</i>	-0.036379619	0.32571305	0.911067436	0.95483468
<i>yejK</i>	-0.036585473	0.25698112	0.886790614	0.944960793
<i>yeiQ</i>	-0.036603412	0.261884494	0.88884227	0.94547321
<i>rfbB</i>	-0.037109911	0.239580683	0.876903896	0.940505055
<i>trpS</i>	-0.038112187	0.370963711	0.918170663	0.957544554
<i>yiiR</i>	-0.038912632	0.29030182	0.893369375	0.947460535
<i>ydcK</i>	-0.038958851	0.31906469	0.90281721	0.952158378
<i>narQ</i>	-0.039095881	0.256084308	0.87866009	0.941638116
<i>ogt</i>	-0.039359912	0.358413611	0.912554498	0.955141952
<i>uup</i>	-0.039744822	0.392621541	0.9193684	0.957803931
<i>nudK</i>	-0.039928698	0.328608468	0.903288339	0.952158378
<i>potH</i>	-0.0401164	0.414931583	0.922978963	0.959831549
<i>hslR</i>	-0.04048171	0.29603603	0.891231656	0.94606947
<i>paaK</i>	-0.041424854	0.38543726	0.91441219	0.956094797
<i>yoaE</i>	-0.042023494	0.277845072	0.879780138	0.94183835
<i>dhaM</i>	-0.042479931	0.236650369	0.85754117	0.927743682
<i>yehB</i>	-0.043333655	0.313041325	0.889902244	0.94547321
<i>prpB</i>	-0.043671208	0.602714479	0.942237795	0.967689975
<i>cirA</i>	-0.043677415	0.338673369	0.8973844	0.950516786
<i>gmr</i>	-0.043962133	0.399177611	0.91230488	0.95512832
<i>acrA</i>	-0.0446569	0.48995558	0.927377541	0.961433778
<i>ygbM</i>	-0.045455836	0.313527044	0.884724936	0.944377199
<i>pitA</i>	-0.046044929	0.57264482	0.935913175	0.966050976
<i>tufB</i>	-0.046086472	0.604521658	0.939231133	0.966771056
<i>torT</i>	-0.046240083	0.323041354	0.886179753	0.944891297
<i>pinR</i>	-0.046702275	0.349533962	0.893708618	0.947460535
<i>ybjI</i>	-0.046922859	0.304185912	0.877406965	0.940794666
<i>yciK</i>	-0.047174111	0.263007092	0.857651578	0.927743682
<i>ppdA</i>	-0.047194428	0.331852699	0.886910192	0.944960793
<i>ygeV</i>	-0.047620601	0.330914535	0.885574665	0.944784599
<i>treR</i>	-0.048187247	0.226149929	0.831267255	0.916159834
<i>yraI</i>	-0.048227301	0.331128309	0.884201359	0.94421603
<i>epmA</i>	-0.048232657	0.325953091	0.882363108	0.943520951
<i>amyA</i>	-0.049175199	0.387378842	0.898985173	0.951298333
<i>xapB</i>	-0.049198012	0.355876834	0.890047193	0.94547321

<i>ppx</i>	-0.049439235	0.426398791	0.907695337	0.954423114
<i>yqjG</i>	-0.049578022	0.235311747	0.833128547	0.916441401
<i>pldA</i>	-0.049907765	0.40012609	0.900737231	0.952158378
<i>ftsY</i>	-0.050508182	0.421730796	0.904670073	0.952765468
<i>ftsA</i>	-0.051405405	0.526294637	0.922191007	0.959259236
<i>yijF</i>	-0.051897177	0.242315611	0.830413066	0.916159834
<i>trmL</i>	-0.0521845	0.406424797	0.897833295	0.950577764
<i>yeeE</i>	-0.052647154	0.468593084	0.910544678	0.954771134
<i>ispB</i>	-0.053051644	0.359724083	0.882754182	0.943520951
<i>yhjD</i>	-0.053865932	0.403594078	0.893825157	0.947460535
<i>proA</i>	-0.054141531	0.446769547	0.903544923	0.952158378
<i>csdE</i>	-0.054208317	0.44744524	0.903571649	0.952158378
<i>glcG</i>	-0.054685792	0.309995537	0.859973168	0.92901035
<i>yccM</i>	-0.054956058	0.349802683	0.875161404	0.939634731
<i>ydcC</i>	-0.055038757	0.331890332	0.868287456	0.933884791
<i>ddpA</i>	-0.05511755	0.400119149	0.890435755	0.94547321
<i>ssuA</i>	-0.055541432	0.399045684	0.88930345	0.94547321
<i>carA</i>	-0.055808862	0.222031583	0.801539261	0.900839086
<i>ycfH</i>	-0.05615365	0.326011079	0.863245232	0.930801549
<i>nadK</i>	-0.056398466	0.285529402	0.843418718	0.920984951
<i>yqjR</i>	-0.056435925	0.207206523	0.785340935	0.89554997
<i>pdxK</i>	-0.056522511	0.258479448	0.826904678	0.914235948
<i>lolD</i>	-0.056923622	0.531152706	0.914654135	0.95610014
<i>insA</i>	-0.057177653	0.801967623	0.943161613	0.968347771
<i>sppA</i>	-0.058206981	0.274911164	0.832317567	0.916298342
<i>yiaF</i>	-0.058480184	0.525360549	0.911367052	0.954889382
<i>waaM</i>	-0.058621831	0.410257705	0.88637685	0.944891297
<i>panC</i>	-0.058780291	0.2622672	0.822661064	0.91236111
<i>efeB</i>	-0.059002413	0.340115538	0.862276066	0.930502132
<i>yhqN</i>	-0.059502129	0.231444512	0.7971091	0.898021783
<i>mrdB</i>	-0.059825222	0.307127343	0.845557639	0.922073525
<i>cusC</i>	-0.060193069	0.538985258	0.911078322	0.95483468
<i>plsY</i>	-0.061116488	0.310815033	0.844114755	0.921063116
<i>nhaB</i>	-0.061269784	0.228387814	0.788490874	0.895647744
<i>yehU</i>	-0.061518583	0.265494084	0.816760489	0.909589544
<i>yoaD</i>	-0.061769818	0.454252225	0.891836046	0.946462176
<i>rlmJ</i>	-0.062451907	0.361575014	0.862870064	0.93075517
<i>yedV</i>	-0.062499135	0.32280141	0.846477497	0.922499874
<i>yadD</i>	-0.062638002	0.238095278	0.792489253	0.895647744
<i>rutB</i>	-0.062746241	0.592779903	0.915700712	0.956676381
<i>rnr</i>	-0.06275301	0.231775261	0.786583788	0.895647744
<i>ypeA</i>	-0.063220243	0.323538678	0.845077917	0.921799393
<i>abgB</i>	-0.063253106	0.448771975	0.887911738	0.94547321
<i>ydhV</i>	-0.063613029	0.363795585	0.861190219	0.929827471
<i>ydiB</i>	-0.063909096	0.303299669	0.833111455	0.916441401
<i>phoH</i>	-0.064071097	0.25299154	0.800072009	0.899440462
<i>emrY</i>	-0.065128414	0.268334925	0.808227621	0.905204389
<i>yqhG</i>	-0.065448812	0.247399667	0.791358541	0.895647744
<i>rfbA</i>	-0.065544083	0.241108505	0.78574139	0.89554997

<i>ydeA</i>	-0.066157771	0.334628521	0.843275785	0.920984951
<i>eamA</i>	-0.066359599	0.231050394	0.773952804	0.891678156
<i>dmlR</i>	-0.066439271	0.418954658	0.873997077	0.938696108
<i>ydfI</i>	-0.066685836	0.312998085	0.831283991	0.916159834
<i>pqiB</i>	-0.066749261	0.235937236	0.777244991	0.891678156
<i>phoQ</i>	-0.066835832	0.235148108	0.776235153	0.891678156
<i>yraH</i>	-0.066906989	0.268702074	0.803360284	0.901881386
<i>yfdQ</i>	-0.067179425	0.362822832	0.853105381	0.924808384
<i>puuD</i>	-0.0674813	0.235078866	0.774067808	0.891678156
<i>fruK</i>	-0.067870185	0.340661543	0.842082406	0.920272516
<i>rluD</i>	-0.06787968	0.326014277	0.835064407	0.916822141
<i>yehI</i>	-0.068389452	0.446158604	0.878173475	0.941366521
<i>rodZ</i>	-0.068503501	0.470912586	0.884340057	0.94421603
<i>ynbD</i>	-0.069259523	0.387324826	0.858082898	0.927961602
<i>fumC</i>	-0.070016525	0.268427372	0.7942161	0.896101284
<i>gcvR</i>	-0.070168056	0.475321995	0.882640972	0.943520951
<i>galK</i>	-0.070404701	0.244828415	0.773677808	0.891678156
<i>kduD</i>	-0.070588218	0.278155538	0.799671343	0.899440462
<i>tfaR</i>	-0.070655183	0.82541939	0.931785089	0.964022656
<i>curA</i>	-0.070766328	0.213227126	0.739978069	0.869225051
<i>yfbS</i>	-0.070843738	0.240381312	0.768212367	0.887734929
<i>yliI</i>	-0.071023491	0.532779702	0.893950254	0.947460535
<i>pabC</i>	-0.071038906	0.22821165	0.755583826	0.880061139
<i>xapR</i>	-0.071795038	0.318936224	0.821895398	0.912006956
<i>gsiB</i>	-0.072820989	0.479673906	0.879334011	0.94183835
<i>yihL</i>	-0.074049847	0.223556773	0.740466919	0.869225051
<i>ycaN</i>	-0.074657968	0.290932855	0.797475376	0.898021783
<i>sbmA</i>	-0.076161216	0.217865248	0.726654328	0.863370914
<i>tatC</i>	-0.076338725	0.529941268	0.885459965	0.944784599
<i>dmsB</i>	-0.076373217	0.284069365	0.788041949	0.895647744
<i>ycaO</i>	-0.077620524	0.214264968	0.717154619	0.855541724
<i>fixX</i>	-0.078021755	0.363413735	0.830008033	0.916159834
<i>hydN</i>	-0.079111884	0.254036709	0.755482035	0.880061139
<i>lon</i>	-0.080598945	0.259733244	0.756321941	0.880096848
<i>ybjL</i>	-0.081148515	0.234295367	0.729078688	0.8642326
<i>yjfK</i>	-0.08188395	0.283564121	0.772759715	0.891112203
<i>lysP</i>	-0.082155809	0.215859426	0.703501073	0.847265463
<i>ypjD</i>	-0.082239933	0.24684911	0.739014479	0.869036252
<i>yhaC</i>	-0.08225982	0.317775216	0.795741981	0.897321334
<i>mltF</i>	-0.082312776	0.319055383	0.796415405	0.897829933
<i>gsiD</i>	-0.082411473	0.454795279	0.856206162	0.926929539
<i>mltC</i>	-0.082520565	0.297733175	0.781655091	0.893921134
<i>aroH</i>	-0.082563993	0.395566903	0.834664321	0.916822141
<i>yaeI</i>	-0.083208059	0.256619443	0.745751118	0.872889899
<i>ung</i>	-0.083537579	0.262291955	0.750112659	0.876724031
<i>ydqI</i>	-0.083866718	0.415626452	0.840085685	0.919167683
<i>ndh</i>	-0.084107991	0.2770624	0.761455075	0.882955657
<i>yejA</i>	-0.084518934	0.444263697	0.849117173	0.923651849
<i>sstT</i>	-0.084557992	0.415663266	0.83879968	0.918386526

<i>cbrC</i>	-0.085035903	0.29741658	0.774943117	0.891678156
<i>yciW</i>	-0.085244072	0.305593964	0.780286622	0.893368432
<i>uxaA</i>	-0.085352693	0.55078612	0.876848736	0.940505055
<i>yeiI</i>	-0.085573885	0.321687007	0.790226901	0.895647744
<i>fliL</i>	-0.08609005	0.25867411	0.739275608	0.869054919
<i>wecA</i>	-0.0865166	0.305712471	0.777176911	0.891678156
<i>lolC</i>	-0.087649415	0.334300187	0.793176696	0.89593014
<i>ompG</i>	-0.08823634	0.344554301	0.797882623	0.898229825
<i>rbsR</i>	-0.08838996	0.467410195	0.850009928	0.923651849
<i>araG</i>	-0.088488596	0.520864125	0.86509817	0.93191002
<i>yfcH</i>	-0.088713323	0.237772193	0.709072398	0.850679367
<i>yicS</i>	-0.088772375	0.560041488	0.874054662	0.938696108
<i>abgT</i>	-0.089055391	0.397814963	0.822865197	0.91236111
<i>ygcW</i>	-0.089648948	0.241177462	0.710106081	0.850948683
<i>tdcF</i>	-0.089837751	0.668439147	0.893086838	0.947460535
<i>leuO</i>	-0.090147902	0.345258468	0.794013345	0.896101284
<i>ybdG</i>	-0.092739593	0.297216828	0.755020215	0.879912415
<i>thiK</i>	-0.092873213	0.391660206	0.812558261	0.907412918
<i>ygfK</i>	-0.09309773	0.372514831	0.802651658	0.901336507
<i>ybeZ</i>	-0.093377005	0.243691565	0.701588524	0.846477248
<i>yeeO</i>	-0.09341014	0.341614545	0.784517127	0.895175447
<i>naqA</i>	-0.093419473	0.230331043	0.685045456	0.836517999
<i>thiB</i>	-0.093709798	0.441607044	0.831949624	0.916298342
<i>rlmC</i>	-0.094456272	0.344015685	0.783646874	0.89493138
<i>ugd</i>	-0.094673757	0.252701979	0.707923842	0.850679367
<i>hdfR</i>	-0.094733464	0.300532406	0.752595532	0.877846912
<i>yidX</i>	-0.094960995	0.335025005	0.776836121	0.891678156
<i>ydcJ</i>	-0.095069251	0.345720696	0.783324994	0.89493138
<i>aat</i>	-0.09574947	0.33993778	0.778198375	0.892242783
<i>yadH</i>	-0.095907734	0.3321854	0.772797578	0.891112203
<i>yfcP</i>	-0.096197899	0.45134657	0.831221411	0.916159834
<i>htpX</i>	-0.096426117	0.218182971	0.65852488	0.823819318
<i>pqqL</i>	-0.096765847	0.438184005	0.82522183	0.913719289
<i>yfcS</i>	-0.096786287	0.287952137	0.736780862	0.867963206
<i>prpC</i>	-0.096872893	0.584740139	0.86841801	0.933884791
<i>ansB</i>	-0.096919092	0.512667806	0.850054785	0.923651849
<i>thrA</i>	-0.097516461	0.207977362	0.63915529	0.812939478
<i>yjeJ</i>	-0.098002829	0.268833442	0.715448461	0.854516402
<i>yfbN</i>	-0.098027859	0.346527684	0.777264164	0.891678156
<i>uspD</i>	-0.098857669	0.314923865	0.753589592	0.878498753
<i>ispA</i>	-0.099087056	0.294345507	0.736391924	0.867963206
<i>csdL</i>	-0.099402573	0.266217503	0.708859265	0.850679367
<i>mleA</i>	-0.099758948	0.226647041	0.659827663	0.824937836
<i>ygeH</i>	-0.100147047	0.351840653	0.775921872	0.891678156
<i>bamB</i>	-0.100352153	0.323012209	0.756046915	0.880092675
<i>trmA</i>	-0.100368277	0.269138016	0.709204312	0.850679367
<i>hdeD</i>	-0.100413282	0.371939599	0.787181786	0.895647744
<i>ftsW</i>	-0.100674243	0.208610174	0.629383277	0.807067525
<i>cheY</i>	-0.100705622	0.332717896	0.762137019	0.883107677

<i>cysD</i>	-0.1010464	0.373741543	0.786879943	0.895647744
<i>ddpB</i>	-0.101057124	0.53302293	0.849628503	0.923651849
<i>preA</i>	-0.101154115	0.264875926	0.702541146	0.846867306
<i>cycA</i>	-0.101302895	0.291173097	0.727905549	0.864026669
<i>pyrH</i>	-0.102218401	0.603167407	0.865427462	0.93191002
<i>ybdM</i>	-0.102256661	0.338271468	0.762429697	0.88319331
<i>ulaR</i>	-0.102280384	0.22808636	0.653844105	0.821016688
<i>argS</i>	-0.102541153	0.26885722	0.702909196	0.847058037
<i>ydeN</i>	-0.102590752	0.366770337	0.779697032	0.893055839
<i>hcaE</i>	-0.102628539	0.362361501	0.777007109	0.891678156
<i>yrdA</i>	-0.103051016	0.606992047	0.86518846	0.93191002
<i>ydhX</i>	-0.103103483	0.425711144	0.808632031	0.905204389
<i>talA</i>	-0.103228942	0.2397412	0.66677022	0.828965058
<i>fucP</i>	-0.103403626	0.21968595	0.637863276	0.812063716
<i>yciA</i>	-0.103413487	0.298754238	0.729230726	0.8642326
<i>rpiR</i>	-0.10373425	0.262835647	0.693083904	0.841750819
<i>yhcG</i>	-0.103986205	0.283774329	0.714036934	0.854093957
<i>yfcA</i>	-0.10417079	0.430988365	0.809011007	0.905204389
<i>cra</i>	-0.104203261	0.272558311	0.702227375	0.846867306
<i>manZ</i>	-0.104344636	0.469545359	0.824138869	0.913021024
<i>yfbP</i>	-0.104430387	0.228119352	0.647104489	0.817244062
<i>slmA</i>	-0.104488762	0.389743762	0.788625388	0.895647744
<i>yhjB</i>	-0.104601428	0.277657313	0.706375368	0.849966427
<i>yjaZ</i>	-0.105001695	0.391127243	0.788345899	0.895647744
<i>pqaA</i>	-0.105194132	0.373305253	0.778103626	0.892242783
<i>malY</i>	-0.105365406	0.300080832	0.725495763	0.862688188
<i>flgD</i>	-0.10543031	0.313785079	0.736874414	0.867963206
<i>ppsA</i>	-0.105746736	0.233798239	0.651053515	0.819296459
<i>yeaJ</i>	-0.105930891	0.289823918	0.714737566	0.854382602
<i>yphH</i>	-0.106105198	0.332312202	0.749503798	0.876270584
<i>ycgG</i>	-0.106314304	0.257242029	0.679397727	0.83430303
<i>otsB</i>	-0.106500659	0.246586979	0.665814854	0.82839692
<i>pfkA</i>	-0.106758569	0.479263082	0.823725672	0.913021024
<i>narL</i>	-0.108004937	0.274473376	0.69395113	0.841789168
<i>ynfF</i>	-0.108477562	0.425397779	0.79872105	0.898923022
<i>csgD</i>	-0.108600073	0.271816129	0.689498997	0.839164139
<i>abgR</i>	-0.108882541	0.299417922	0.716121345	0.854561594
<i>ybeU</i>	-0.109181312	0.345739677	0.752161514	0.877797051
<i>ynjD</i>	-0.109626072	0.282411822	0.69788427	0.844278933
<i>pdxB</i>	-0.110196232	0.229806551	0.631570617	0.80838636
<i>yhcH</i>	-0.110364498	0.330767706	0.738634894	0.868977633
<i>chbG</i>	-0.110599534	0.302853789	0.714968697	0.854382602
<i>rcsD</i>	-0.111501014	0.239600679	0.641672353	0.81434495
<i>ssnA</i>	-0.112626996	0.337702053	0.738749378	0.868977633
<i>opgC</i>	-0.11304614	0.243722939	0.642769167	0.814447504
<i>yaeQ</i>	-0.113237263	0.328219535	0.730090882	0.8643334
<i>yceA</i>	-0.11360408	0.236708876	0.631276001	0.808265529
<i>ecpD</i>	-0.113650643	0.328002467	0.728972051	0.8642326
<i>gadC</i>	-0.11387533	0.402048558	0.77699459	0.891678156

<i>yfcQ</i>	-0.116049681	0.426684639	0.785637411	0.89554997
<i>yddA</i>	-0.116071819	0.339388641	0.732348887	0.865483741
<i>pgaD</i>	-0.116490662	0.292849092	0.690789465	0.839975021
<i>intA</i>	-0.117910207	0.245178125	0.630575841	0.807625212
<i>purR</i>	-0.117925805	0.239492474	0.622437454	0.8040357
<i>tyrS</i>	-0.118356181	0.342819001	0.72991099	0.8643334
<i>ydiM</i>	-0.118398228	0.216080522	0.583736068	0.777993564
<i>ycfQ</i>	-0.11840315	0.316196405	0.708061537	0.850679367
<i>rsqA</i>	-0.118610102	0.2867729	0.679164952	0.83430303
<i>yadG</i>	-0.118656378	0.288061791	0.680403239	0.83430303
<i>yaeF</i>	-0.118691513	0.251591087	0.637095548	0.81148902
<i>ftsI</i>	-0.118956365	0.446510924	0.789921068	0.895647744
<i>yeiR</i>	-0.11946719	0.454593777	0.792704827	0.895647744
<i>mntH</i>	-0.119527803	0.275527803	0.664423554	0.828119138
<i>purC</i>	-0.119721775	0.35671458	0.737154844	0.867963206
<i>ybhI</i>	-0.119969057	0.400370994	0.764448164	0.88476985
<i>yahI</i>	-0.120001838	0.67999069	0.859920232	0.92901035
<i>mukE</i>	-0.120920901	0.246623586	0.623917735	0.8040357
<i>plsC</i>	-0.121309805	0.453668507	0.789163157	0.895647744
<i>sapB</i>	-0.121487694	0.452162229	0.788174673	0.895647744
<i>yfjH</i>	-0.121555362	0.242955564	0.616850256	0.800200669
<i>lolE</i>	-0.121768531	0.219900795	0.579754727	0.774124131
<i>yedA</i>	-0.122047606	0.446364408	0.784525819	0.895175447
<i>yfdC</i>	-0.122259742	0.219485554	0.577507854	0.774124131
<i>artM</i>	-0.122821532	0.250024311	0.623257872	0.8040357
<i>appY</i>	-0.123043495	0.389919196	0.752335347	0.877797051
<i>tus</i>	-0.124362103	0.294474375	0.672792242	0.832452278
<i>ygbI</i>	-0.124505406	0.296499634	0.674545671	0.832764793
<i>yddH</i>	-0.124560093	0.334106563	0.709285794	0.850679367
<i>rlmD</i>	-0.124776153	0.216802798	0.564934034	0.763787266
<i>pepN</i>	-0.124876013	0.204778331	0.541987226	0.746758509
<i>ydjY</i>	-0.125234744	0.322023751	0.697350794	0.84420259
<i>tag</i>	-0.125643544	0.382767584	0.742722479	0.871619375
<i>ygaH</i>	-0.125914696	0.31434624	0.68874371	0.838497695
<i>stfQ</i>	-0.125964766	0.360448221	0.726738726	0.863370914
<i>ybgO</i>	-0.126155294	0.241535052	0.601457041	0.791794473
<i>ygdQ</i>	-0.126546701	0.29050258	0.663117534	0.827466829
<i>uidA</i>	-0.126811217	0.244879919	0.6045625	0.793697175
<i>treA</i>	-0.129056699	0.422797554	0.760179815	0.882286149
<i>metK</i>	-0.129370168	0.302395141	0.66878343	0.829674556
<i>yfiE</i>	-0.129546548	0.30758207	0.673625709	0.832452278
<i>artJ</i>	-0.130094127	0.255590141	0.610755664	0.797627992
<i>paaY</i>	-0.130233658	0.346429637	0.706968154	0.850172904
<i>ampD</i>	-0.130272452	0.351397779	0.710841286	0.851533019
<i>yegK</i>	-0.130434961	0.458286018	0.775939308	0.891678156
<i>mhpR</i>	-0.130787823	0.491793449	0.79028499	0.895647744
<i>miaA</i>	-0.130990517	0.427282805	0.759173493	0.881444748
<i>galS</i>	-0.131032949	0.26570002	0.621898669	0.8040357
<i>ycdT</i>	-0.131046537	0.281136591	0.641121592	0.814102776

<i>nadR</i>	-0.131173101	0.219474194	0.550060269	0.751605512
<i>ydcV</i>	-0.131556072	0.585076991	0.822093959	0.912006956
<i>pyrF</i>	-0.131572623	0.40407848	0.744718267	0.872707636
<i>ppdD</i>	-0.132382435	0.399319401	0.740251609	0.869225051
<i>dosP</i>	-0.132784966	0.420519524	0.752181575	0.877797051
<i>pdxY</i>	-0.133263291	0.311301918	0.668590152	0.829674556
<i>pdhR</i>	-0.133474267	0.294633452	0.650535755	0.819157847
<i>psiE</i>	-0.135297496	0.376092746	0.719037814	0.85722056
<i>ytjB</i>	-0.135435806	0.333504163	0.684669643	0.836312057
<i>paaX</i>	-0.135785323	0.441137921	0.758229224	0.880985096
<i>chbC</i>	-0.135852089	0.384580687	0.72390305	0.861211931
<i>ycgB</i>	-0.135991258	0.277736213	0.624387396	0.8040357
<i>ydcI</i>	-0.136781465	0.301257732	0.649803848	0.819157847
<i>trkG</i>	-0.137643173	0.265698783	0.604428851	0.793697175
<i>ydhU</i>	-0.138327727	0.327294444	0.672557931	0.832452278
<i>ybeF</i>	-0.138896499	0.323806565	0.667960348	0.829537807
<i>yfeN</i>	-0.138898697	0.258487276	0.591024379	0.784081396
<i>yghB</i>	-0.140362858	0.271012504	0.604513928	0.793697175
<i>putP</i>	-0.140499756	0.538379562	0.794117301	0.896101284
<i>mreD</i>	-0.14089355	0.258143955	0.585207207	0.779182551
<i>metC</i>	-0.141231367	0.217035784	0.515221773	0.725705969
<i>ddpX</i>	-0.141706543	0.318453138	0.656331335	0.822328959
<i>ygfM</i>	-0.143404336	0.537816363	0.789744951	0.895647744
<i>ycfT</i>	-0.143497112	0.302942607	0.635729866	0.810643346
<i>degP</i>	-0.143543662	0.259127764	0.579613495	0.774124131
<i>hisP</i>	-0.143758008	0.239795565	0.548837935	0.750936255
<i>yafC</i>	-0.144606487	0.219273404	0.5095874	0.721572898
<i>ygjQ</i>	-0.145088855	0.369195865	0.694329723	0.841789168
<i>potB</i>	-0.145114279	0.282488895	0.607462411	0.795201383
<i>btuD</i>	-0.14548125	0.27788705	0.600607875	0.791794473
<i>amn</i>	-0.145524995	0.212746177	0.493955546	0.706876477
<i>anmK</i>	-0.145951534	0.272399569	0.592097175	0.784081396
<i>fadK</i>	-0.146360155	0.470772117	0.755881321	0.880092675
<i>sspB</i>	-0.146409994	0.599783298	0.80714964	0.904626068
<i>dsdC</i>	-0.146703594	0.257076291	0.568228984	0.766435151
<i>lptD</i>	-0.146797362	0.478072939	0.75879725	0.881261363
<i>ycaL</i>	-0.147824349	0.296864095	0.618517211	0.801333113
<i>murI</i>	-0.148452925	0.45618211	0.744859666	0.872707636
<i>yfbK</i>	-0.149116288	0.390358413	0.702462554	0.846867306
<i>yghU</i>	-0.151778493	0.222104006	0.494375124	0.707226214
<i>yfdR</i>	-0.152301675	0.276964856	0.58239118	0.776713973
<i>ydjZ</i>	-0.152610033	0.63584395	0.810321131	0.905917032
<i>yeaV</i>	-0.152648809	0.410172314	0.709775395	0.850948683
<i>waaQ</i>	-0.153144958	0.218756535	0.483883387	0.699190852
<i>frwB</i>	-0.153145058	0.602308112	0.799291881	0.89931475
<i>sgcB</i>	-0.153214506	0.566850015	0.786936323	0.895647744
<i>ytjJ</i>	-0.153466213	0.37236421	0.680236758	0.83430303
<i>ydhP</i>	-0.153569862	0.306922243	0.616825631	0.800200669
<i>sbcB</i>	-0.153785945	0.374167979	0.681066841	0.83430303

<i>ydcO</i>	-0.1539511	0.42715659	0.718541262	0.85694271
<i>srID</i>	-0.154330751	0.509115854	0.761787107	0.882955657
<i>ulaC</i>	-0.154540262	0.278071545	0.578376851	0.774124131
<i>hyi</i>	-0.154633555	0.338085784	0.647398194	0.817244062
<i>xapA</i>	-0.154697863	0.27345026	0.571580204	0.769669541
<i>soxR</i>	-0.155233234	0.436672249	0.722221478	0.859823749
<i>rlmI</i>	-0.155302883	0.394110732	0.693537477	0.841789168
<i>nhaA</i>	-0.155912354	0.291589097	0.59285812	0.784453697
<i>dusA</i>	-0.157327548	0.36656946	0.667785752	0.829537807
<i>ydaN</i>	-0.157650054	0.382649352	0.680342255	0.83430303
<i>yhhA</i>	-0.157862894	0.331078788	0.633494806	0.809822208
<i>baeR</i>	-0.158020946	0.352103048	0.653581884	0.820942771
<i>rspA</i>	-0.158356832	0.337098284	0.638523227	0.812647625
<i>ygeA</i>	-0.158412899	0.295222413	0.591552012	0.784081396
<i>aceB</i>	-0.158663556	0.367436157	0.665877633	0.82839692
<i>gsk</i>	-0.159083264	0.350679127	0.650085525	0.819157847
<i>uvrC</i>	-0.159418646	0.351794946	0.650435072	0.819157847
<i>hrpA</i>	-0.159444517	0.415260482	0.701006127	0.846373654
<i>eamB</i>	-0.159893718	0.306203474	0.601544129	0.791794473
<i>yeaI</i>	-0.160211263	0.305583034	0.600083373	0.791794473
<i>yeaN</i>	-0.160635137	0.545337799	0.768329413	0.887734929
<i>ydaM</i>	-0.161018451	0.333264735	0.628985838	0.807067525
<i>flgA</i>	-0.161058744	0.255184315	0.527944595	0.736204604
<i>ebgC</i>	-0.162797163	0.278150845	0.558356954	0.758376177
<i>yhdN</i>	-0.163131861	0.393282833	0.678291778	0.834073685
<i>exbB</i>	-0.164119672	0.448269074	0.714276536	0.854127481
<i>citC</i>	-0.165833471	0.290349645	0.567897336	0.766243831
<i>hdeB</i>	-0.166075635	0.348227642	0.633421322	0.809822208
<i>ygaM</i>	-0.166086985	0.501315465	0.740416126	0.869225051
<i>ahpF</i>	-0.166326086	0.278401112	0.550218149	0.751605512
<i>dnaC</i>	-0.167697384	0.226953003	0.459962878	0.677937254
<i>yfjS</i>	-0.167978352	0.526101851	0.749507636	0.876270584
<i>sfmH</i>	-0.168086209	0.355383693	0.636233813	0.810779838
<i>yfaT</i>	-0.168218577	0.298569707	0.573152495	0.770441983
<i>gntK</i>	-0.168420031	0.353059562	0.633340702	0.809822208
<i>dosC</i>	-0.168651717	0.360488306	0.639897292	0.813563576
<i>torY</i>	-0.169035099	0.268863308	0.529543683	0.737415608
<i>hyaE</i>	-0.169492952	0.437453748	0.698420561	0.844674597
<i>rdgB</i>	-0.169494671	0.405240086	0.675758921	0.833183796
<i>ispU</i>	-0.169998728	0.503589455	0.735684206	0.867963206
<i>fabD</i>	-0.170032307	0.406499027	0.675739005	0.833183796
<i>yncE</i>	-0.170149342	0.265856563	0.522169807	0.731438143
<i>yeeZ</i>	-0.170149676	0.347437811	0.624327095	0.8040357
<i>leuD</i>	-0.170644662	0.442027905	0.699459993	0.845678344
<i>tdcA</i>	-0.170871963	0.405764512	0.673673914	0.832452278
<i>ymbA</i>	-0.171035321	0.432882788	0.69276341	0.841750819
<i>glsB</i>	-0.17115586	0.359883171	0.634368435	0.810169369
<i>ptrB</i>	-0.171313531	0.355147077	0.629540658	0.807067525
<i>tyrP</i>	-0.171425508	0.392758494	0.662499069	0.827447211

<i>ydbC</i>	-0.172053043	0.262977946	0.512951435	0.723834183
<i>ynfH</i>	-0.172073949	0.230509252	0.455368593	0.674105128
<i>ydeO</i>	-0.17237287	0.336057264	0.608002334	0.795479779
<i>glk</i>	-0.172463004	0.28449774	0.544380847	0.748014118
<i>ylbA</i>	-0.172755504	0.255759049	0.499382324	0.711866682
<i>ydcP</i>	-0.172819744	0.450051366	0.700978416	0.846373654
<i>pntB</i>	-0.173023062	0.235512759	0.462543332	0.681243135
<i>ydjM</i>	-0.173370866	0.289942964	0.549874514	0.751605512
<i>ybbW</i>	-0.173667924	0.373956011	0.642355919	0.814447504
<i>exoX</i>	-0.173801303	0.250558062	0.487897464	0.7011811
<i>pepT</i>	-0.174275139	0.225790301	0.440206172	0.659872119
<i>ydeQ</i>	-0.174643063	0.303695489	0.565250864	0.763787266
<i>ycbZ</i>	-0.17470681	0.334004679	0.600927661	0.791794473
<i>yahK</i>	-0.175300924	0.290989897	0.54688822	0.74977246
<i>moaB</i>	-0.175453468	0.280757385	0.532017573	0.739186769
<i>otsA</i>	-0.175906463	0.458327385	0.70112602	0.846373654
<i>hemG</i>	-0.176028312	0.282832282	0.533693991	0.739560375
<i>wzxB</i>	-0.176173155	0.37356315	0.637210848	0.81148902
<i>yncG</i>	-0.176274704	0.269473299	0.513018171	0.723834183
<i>yfgO</i>	-0.176392555	0.29074914	0.544061318	0.747829602
<i>recE</i>	-0.17791435	0.517619971	0.731059755	0.864719669
<i>yeaG</i>	-0.178960936	0.292847789	0.541129645	0.74615003
<i>yidB</i>	-0.179074635	0.338918434	0.597241936	0.789219541
<i>gatD</i>	-0.180851677	0.434718571	0.677395273	0.833940919
<i>ddpC</i>	-0.180977267	0.434751388	0.677206878	0.833940919
<i>ybcI</i>	-0.181998022	0.392610148	0.642963635	0.814447504
<i>cysB</i>	-0.182279551	0.293740242	0.53489789	0.740529075
<i>ycjP</i>	-0.182915588	0.42338742	0.665720433	0.82839692
<i>pgaB</i>	-0.182942358	0.446922512	0.682291648	0.83430303
<i>pgaC</i>	-0.18317704	0.425460685	0.666804249	0.828965058
<i>zntR</i>	-0.183429549	0.447081924	0.681599286	0.83430303
<i>bamC</i>	-0.183838813	0.487177298	0.705909768	0.849659432
<i>sulA</i>	-0.184221618	0.474130829	0.697612049	0.84420259
<i>yidL</i>	-0.184269099	0.35553953	0.604262785	0.793697175
<i>ydjL</i>	-0.184475865	0.390057615	0.636252298	0.810779838
<i>nhaR</i>	-0.185482146	0.285146746	0.515382466	0.725705969
<i>chaA</i>	-0.185882981	0.317918076	0.558757318	0.758376177
<i>sxy</i>	-0.186042341	0.467123055	0.690429213	0.839975021
<i>osmY</i>	-0.186306465	0.31320432	0.55195041	0.752895703
<i>efeO</i>	-0.18663061	0.399098666	0.640049026	0.813563576
<i>glpK</i>	-0.187167676	0.429893142	0.663285276	0.827466829
<i>pheS</i>	-0.187542918	0.30842598	0.543144634	0.747491876
<i>citD</i>	-0.187884195	0.683730387	0.783475421	0.89493138
<i>chbF</i>	-0.188181267	0.324101861	0.561494001	0.760910132
<i>mliA</i>	-0.18826588	0.288021525	0.513335959	0.723834183
<i>yjFM</i>	-0.18886246	0.384795661	0.62355918	0.8040357
<i>diaA</i>	-0.189034069	0.392127001	0.629753674	0.807084311
<i>gcvT</i>	-0.189337685	0.367148685	0.606065652	0.794797041
<i>cynT</i>	-0.189416335	0.583241954	0.745359245	0.872707636

<i>rpoN</i>	-0.189657912	0.543092595	0.726925374	0.863370914
<i>ydjA</i>	-0.189810087	0.316157423	0.548262511	0.750792319
<i>ygcG</i>	-0.189979874	0.351380087	0.588736625	0.782690025
<i>lsrB</i>	-0.190334039	0.521488755	0.715124799	0.854382602
<i>ydhW</i>	-0.19060513	0.375445216	0.611679453	0.797627992
<i>proV</i>	-0.191046038	0.244546596	0.434669875	0.65659441
<i>araC</i>	-0.191691056	0.216571031	0.376092648	0.610980289
<i>yddW</i>	-0.191751755	0.333263961	0.565037701	0.763787266
<i>yjaG</i>	-0.191875954	0.33666583	0.568725182	0.766592174
<i>bluF</i>	-0.191902579	0.266716782	0.471833239	0.6903603
<i>yfjJ</i>	-0.192227238	0.488763416	0.694103076	0.841789168
<i>mntR</i>	-0.193726262	0.246773442	0.432431924	0.655054902
<i>puuP</i>	-0.193963943	0.399385962	0.627211522	0.806386278
<i>yneF</i>	-0.194602384	0.281365962	0.48916694	0.702014553
<i>agaB</i>	-0.194613418	0.426197174	0.647938695	0.817581071
<i>nemA</i>	-0.194936102	0.403499848	0.629015363	0.807067525
<i>srlB</i>	-0.195312177	0.313343272	0.533076252	0.739307945
<i>gltP</i>	-0.196103854	0.455698074	0.666950337	0.828965058
<i>wcaD</i>	-0.196716444	0.473436932	0.67777066	0.833940919
<i>naqK</i>	-0.196890832	0.326886963	0.546960588	0.74977246
<i>yfeS</i>	-0.197251955	0.311180784	0.526157714	0.73422008
<i>yniC</i>	-0.198728501	0.283782925	0.483750273	0.699190852
<i>pabB</i>	-0.199288522	0.407362902	0.624688656	0.804167126
<i>galT</i>	-0.199427242	0.447394918	0.655776297	0.822164258
<i>napC</i>	-0.200096563	0.458788815	0.662734511	0.827447211
<i>ldcA</i>	-0.200167006	0.227348447	0.378620186	0.613112592
<i>ygfI</i>	-0.200370096	0.244844601	0.413153829	0.640088529
<i>yfjZ</i>	-0.201292509	0.454283083	0.657693922	0.823290036
<i>metQ</i>	-0.201351551	0.341265125	0.555180577	0.755906911
<i>glnA</i>	-0.201478093	0.725625388	0.781272366	0.893736623
<i>gtrB</i>	-0.201698989	0.272344833	0.458935105	0.677488686
<i>rluC</i>	-0.201710388	0.244698255	0.409756079	0.637655644
<i>manY</i>	-0.202468078	0.350739324	0.563763261	0.762705189
<i>yicN</i>	-0.203531467	0.440634608	0.644149224	0.814620978
<i>insB1</i>	-0.204302724	0.554781444	0.71268084	0.853178274
<i>ydiY</i>	-0.204391302	0.264016838	0.438836121	0.659079275
<i>ydcR</i>	-0.204505568	0.412841802	0.620345592	0.802928873
<i>yrdD</i>	-0.204523423	0.498094584	0.681357343	0.83430303
<i>yqgA</i>	-0.205428854	0.254423036	0.419418649	0.645529891
<i>rfaH</i>	-0.206988357	0.395784754	0.600986683	0.791794473
<i>eda</i>	-0.207372765	0.313145391	0.507826915	0.720343379
<i>modE</i>	-0.207601731	0.237812712	0.382683171	0.616969633
<i>yadK</i>	-0.207873515	0.26940536	0.440350629	0.659872119
<i>dsbG</i>	-0.208519968	0.23108382	0.366867564	0.602050552
<i>malX</i>	-0.208820721	0.438405128	0.633847084	0.810016042
<i>dacD</i>	-0.209505945	0.291393636	0.472153774	0.6903603
<i>yhbP</i>	-0.209556484	0.490103397	0.668959792	0.829674556
<i>allS</i>	-0.209664426	0.336539016	0.533283313	0.739307945
<i>motA</i>	-0.210223655	0.518903795	0.685381728	0.836607144

<i>yccE</i>	-0.211292937	0.29465708	0.473324237	0.691070505
<i>ispE</i>	-0.211870472	0.245177945	0.387505604	0.621270899
<i>etp</i>	-0.213123977	0.315957176	0.499971637	0.712203775
<i>yeeS</i>	-0.213756975	0.42762382	0.617165537	0.800352481
<i>cobS</i>	-0.216088863	0.36052619	0.548925659	0.750936255
<i>gloB</i>	-0.216643616	0.279572385	0.438392463	0.659079275
<i>purB</i>	-0.217075439	0.263475169	0.410000162	0.637655644
<i>inaA</i>	-0.217583016	0.22432161	0.332066371	0.569236492
<i>ygeR</i>	-0.218118201	0.393748027	0.57961049	0.774124131
<i>yhaV</i>	-0.218805444	0.306969037	0.475973731	0.693434122
<i>cutA</i>	-0.219004638	0.400645449	0.58463327	0.778675193
<i>hisB</i>	-0.219303657	0.279627808	0.432881791	0.655054902
<i>mngR</i>	-0.219334329	0.2412656	0.363297841	0.599779298
<i>yedY</i>	-0.219771659	0.489303465	0.653321967	0.820942771
<i>katE</i>	-0.220095169	0.42693591	0.606187786	0.794797041
<i>ygaP</i>	-0.220634899	0.37120404	0.552260429	0.752895703
<i>moaA</i>	-0.220877223	0.355634634	0.534547609	0.74029801
<i>mltA</i>	-0.2209613	0.457647461	0.629223622	0.807067525
<i>atpD</i>	-0.221421746	0.882517114	0.801892999	0.900985816
<i>ybhM</i>	-0.221732327	0.314286412	0.480492673	0.697500511
<i>recT</i>	-0.221815964	0.328769168	0.499875264	0.712203775
<i>waaY</i>	-0.221889623	0.534574764	0.678085627	0.834073685
<i>ycgR</i>	-0.222848647	0.277588321	0.422088796	0.647405953
<i>kdsA</i>	-0.223619035	0.240017337	0.351502609	0.587827685
<i>ybfC</i>	-0.223722296	0.30155521	0.458150967	0.676996872
<i>mug</i>	-0.223762998	0.276937156	0.419095205	0.645529891
<i>yjcO</i>	-0.223838549	0.226195802	0.322380082	0.56218073
<i>yfcF</i>	-0.223874493	0.237083423	0.345023655	0.580956219
<i>rimO</i>	-0.224255817	0.263672131	0.395041533	0.62720056
<i>oppD</i>	-0.224295246	0.45701495	0.623579814	0.8040357
<i>yciQ</i>	-0.224637904	0.403195993	0.577429597	0.774124131
<i>mobB</i>	-0.225543072	0.434594373	0.603779045	0.793697175
<i>ppiD</i>	-0.225707381	0.430369784	0.599965672	0.791794473
<i>hisM</i>	-0.226039128	0.31905318	0.478654366	0.695832797
<i>gspB</i>	-0.22606761	0.320796113	0.480991928	0.697974269
<i>thrC</i>	-0.226417127	0.280409019	0.419405493	0.645529891
<i>yheO</i>	-0.226965804	0.408345436	0.578335178	0.774124131
<i>csgG</i>	-0.227522849	0.436131554	0.601890374	0.791991994
<i>ybiX</i>	-0.227705913	0.270066585	0.399146065	0.630419665
<i>setB</i>	-0.228396387	0.460929198	0.620238082	0.802928873
<i>yggC</i>	-0.228785002	0.238982276	0.338400508	0.575937121
<i>yfhH</i>	-0.229029254	0.304325612	0.451702567	0.671516637
<i>ynfL</i>	-0.229039644	0.41128307	0.57760223	0.774124131
<i>cho</i>	-0.229594008	0.316401761	0.468059039	0.686860901
<i>ydcZ</i>	-0.230334916	0.408975573	0.573298914	0.770441983
<i>iclR</i>	-0.230415941	0.476963245	0.62903218	0.807067525
<i>frsA</i>	-0.230491506	0.28413485	0.417248167	0.644388237
<i>usg</i>	-0.230750489	0.229843669	0.315404943	0.554568708
<i>ybfF</i>	-0.230832583	0.371013617	0.533831789	0.739560375

<i>ydfU</i>	-0.23137916	0.380609556	0.543242279	0.747491876
<i>cobC</i>	-0.231653982	0.272010841	0.394416647	0.62720056
<i>alaE</i>	-0.231657085	0.382536315	0.544792396	0.748202572
<i>rlmN</i>	-0.232367273	0.230931487	0.31431102	0.553851413
<i>maeB</i>	-0.232390287	0.258876978	0.369352878	0.604255151
<i>cbtA</i>	-0.233701579	0.370687776	0.52839761	0.736327633
<i>rnb</i>	-0.233867195	0.364384462	0.520993699	0.730549344
<i>dsbA</i>	-0.235217862	0.463007209	0.611437895	0.797627992
<i>ypdC</i>	-0.235306981	0.526579184	0.654976412	0.822034744
<i>nrdB</i>	-0.235341222	0.317915871	0.459140684	0.677488686
<i>fimZ</i>	-0.235410568	0.335579107	0.482987643	0.699190852
<i>tonB</i>	-0.235930696	0.355563812	0.506984978	0.72016128
<i>yqiH</i>	-0.235976119	0.269980961	0.382092518	0.616756296
<i>rscF</i>	-0.236868862	0.32817677	0.470434558	0.688801332
<i>yfbM</i>	-0.236981173	0.304772689	0.436824346	0.658788667
<i>rnt</i>	-0.237204929	0.35030969	0.498323968	0.71086002
<i>hemA</i>	-0.237486329	0.263842968	0.368064468	0.603034196
<i>yciF</i>	-0.238291652	0.279977266	0.39470785	0.62720056
<i>bioD</i>	-0.238469677	0.242972009	0.326361144	0.564974245
<i>ymgG</i>	-0.238843517	0.406361126	0.556692236	0.75694394
<i>pepQ</i>	-0.239310952	0.635992864	0.706709264	0.850114809
<i>ghrA</i>	-0.239433509	0.282358653	0.396451045	0.628375685
<i>yhfY</i>	-0.239527694	0.364501833	0.511092736	0.722437457
<i>yibB</i>	-0.239760212	0.237133176	0.311978949	0.551910174
<i>ynjF</i>	-0.240469223	0.695053324	0.729363504	0.8642326
<i>yceF</i>	-0.240626562	0.26610949	0.365868718	0.601144491
<i>ascG</i>	-0.240864876	0.252576702	0.340270651	0.577728528
<i>fucA</i>	-0.24152696	0.374719286	0.519216001	0.729069565
<i>yqeJ</i>	-0.241551556	0.375759321	0.520330629	0.730210744
<i>ddlA</i>	-0.242026854	0.434902769	0.577863652	0.774124131
<i>alaA</i>	-0.242044846	0.224208646	0.280341818	0.517916666
<i>ydhS</i>	-0.242270328	0.421579453	0.565512473	0.763791855
<i>yjjB</i>	-0.243231011	0.267391297	0.363010044	0.59962011
<i>ybiV</i>	-0.2433429	0.280066638	0.384915504	0.619293399
<i>yciB</i>	-0.243409027	0.25661404	0.342853934	0.579121896
<i>ypdB</i>	-0.243799362	0.34683586	0.482102912	0.699083856
<i>ycjY</i>	-0.243815635	0.259518512	0.347478062	0.584243621
<i>ybfD</i>	-0.244847459	0.263252235	0.352326086	0.588717057
<i>yqiJ</i>	-0.245002671	0.240960889	0.309261142	0.549026927
<i>ppsR</i>	-0.246269218	0.250257525	0.325084445	0.564246938
<i>yegS</i>	-0.246955074	0.221461664	0.264801434	0.502569997
<i>ybiP</i>	-0.247513735	0.361193643	0.493176061	0.706023965
<i>gspG</i>	-0.24788307	0.296028175	0.402388501	0.632682168
<i>secF</i>	-0.248120184	0.592156763	0.67520811	0.833183796
<i>azoR</i>	-0.24856755	0.396666307	0.530894292	0.738532135
<i>yfeX</i>	-0.249065924	0.290417376	0.3911058	0.623575875
<i>rstB</i>	-0.249234945	0.215114853	0.246613815	0.480724273
<i>opgD</i>	-0.249257177	0.336725336	0.459155077	0.677488686
<i>gltL</i>	-0.250157973	0.305512211	0.412891987	0.640088529

<i>dmlA</i>	-0.250610687	0.318655513	0.43159644	0.654774457
<i>yeaW</i>	-0.250732298	0.463093547	0.58821189	0.782666908
<i>nagD</i>	-0.251801359	0.293820995	0.391450967	0.623879808
<i>yedW</i>	-0.252452168	0.348855362	0.469275382	0.688395609
<i>yiaC</i>	-0.253173339	0.355764772	0.476693133	0.693981312
<i>yedP</i>	-0.253574161	0.437695414	0.562360243	0.761810347
<i>tadA</i>	-0.253889115	0.323008878	0.431859984	0.654819497
<i>ybdR</i>	-0.254366512	0.259332572	0.326666415	0.565260316
<i>pyrD</i>	-0.255039712	0.277347043	0.357798091	0.59417149
<i>cbpA</i>	-0.255118132	0.360838752	0.479557636	0.696832738
<i>tpiA</i>	-0.255170047	0.686560304	0.710142708	0.850948683
<i>ydiF</i>	-0.256235485	0.454657376	0.57304048	0.770441983
<i>ynhG</i>	-0.256242788	0.249010027	0.303458031	0.544411233
<i>cytR</i>	-0.256711933	0.392582458	0.513172519	0.723834183
<i>dcp</i>	-0.256876069	0.502073348	0.608909592	0.796296736
<i>pheA</i>	-0.258206993	0.218249871	0.23677756	0.468794022
<i>fre</i>	-0.259384297	0.459614847	0.572514985	0.770157613
<i>aqpZ</i>	-0.259432209	0.40708482	0.523934165	0.732383041
<i>tolA</i>	-0.259961673	0.273457541	0.341783449	0.57803929
<i>ompT</i>	-0.260071985	0.363157343	0.473904082	0.691666948
<i>fliT</i>	-0.26009756	0.327923293	0.427681197	0.651797764
<i>agaV</i>	-0.260174513	0.344186316	0.449702052	0.669659604
<i>ygbL</i>	-0.260715016	0.289821376	0.368348392	0.603254547
<i>mzrA</i>	-0.260960814	0.47024158	0.578928498	0.774124131
<i>wcaN</i>	-0.261056875	0.272814609	0.338616667	0.576005424
<i>rmuC</i>	-0.261425809	0.435859782	0.54864395	0.750936255
<i>tolB</i>	-0.261520138	0.455833577	0.566158334	0.764408426
<i>xdhB</i>	-0.261524192	0.314197115	0.405207423	0.63502421
<i>sapF</i>	-0.261822492	0.434478606	0.546766116	0.74977246
<i>yqaB</i>	-0.261845736	0.344887345	0.447720329	0.668187419
<i>csgA</i>	-0.262144243	0.363310795	0.470575693	0.688801332
<i>quuQ</i>	-0.262229729	0.263999516	0.320565605	0.560818235
<i>insC1</i>	-0.263019617	1.251284026	0.833511758	0.916613175
<i>aceE</i>	-0.263519133	0.568833321	0.643176238	0.814461253
<i>ydcU</i>	-0.263527964	0.636924229	0.679056556	0.83430303
<i>ygfZ</i>	-0.263542485	0.265583055	0.321043087	0.560818235
<i>yqcC</i>	-0.263545648	0.297127151	0.375090018	0.61029337
<i>codA</i>	-0.264542639	0.449888176	0.556519774	0.75694394
<i>rimI</i>	-0.264684261	0.361266991	0.463768549	0.682300887
<i>solA</i>	-0.265276439	0.283162426	0.348843498	0.585320532
<i>gdhA</i>	-0.265492893	0.248396762	0.285148125	0.523246809
<i>napB</i>	-0.265840291	0.506508263	0.599688254	0.791794473
<i>yhdJ</i>	-0.266300661	0.317357689	0.4014029	0.632252636
<i>metG</i>	-0.266662949	0.281443932	0.343393423	0.579305996
<i>insE1</i>	-0.267239323	0.766967173	0.727512428	0.863814021
<i>hipA</i>	-0.267495099	0.413205717	0.517395461	0.727525418
<i>yafX</i>	-0.268376225	0.316690691	0.396750152	0.628524184
<i>zur</i>	-0.269280368	0.525112756	0.608087837	0.795479779
<i>flk</i>	-0.269775806	0.349009009	0.439536215	0.659334251

<i>yeiG</i>	-0.26990589	0.39531357	0.494755956	0.707520296
<i>yqaA</i>	-0.270068673	0.250004995	0.280029484	0.517721866
<i>yfjW</i>	-0.27069891	0.326139008	0.406532659	0.635374504
<i>rsxG</i>	-0.272109719	0.457698653	0.552166246	0.752895703
<i>nirD</i>	-0.272293696	0.418809635	0.515588222	0.725742556
<i>lspA</i>	-0.272772274	0.373960312	0.465747824	0.684464494
<i>ribB</i>	-0.272986529	0.400530624	0.495515831	0.708356023
<i>yfhG</i>	-0.273378485	0.26913178	0.309734506	0.54940888
<i>tdcB</i>	-0.273433251	0.244104504	0.262650562	0.499915284
<i>galU</i>	-0.27382613	0.386120565	0.478217366	0.695447949
<i>ycgN</i>	-0.274066969	0.314087255	0.38289081	0.617057965
<i>mglC</i>	-0.274185384	0.268351092	0.306903374	0.546584028
<i>fdnI</i>	-0.27425756	0.276380405	0.321041879	0.560818235
<i>yeiL</i>	-0.274346485	0.313726588	0.381858889	0.616625733
<i>asnS</i>	-0.274553356	0.294199293	0.350705177	0.587344027
<i>rsmE</i>	-0.274881749	0.241430174	0.254888431	0.490927764
<i>cpdA</i>	-0.275101115	0.551668863	0.618011368	0.800934796
<i>yceI</i>	-0.275164173	0.419400813	0.511766994	0.722751135
<i>ptsG</i>	-0.275414858	0.3358007	0.412117169	0.640088529
<i>insI1</i>	-0.275635336	0.455266749	0.54488867	0.748202572
<i>ppk</i>	-0.275994882	0.240359926	0.250862632	0.485956068
<i>insC1</i>	-0.276089535	1.20680492	0.819042034	0.91057487
<i>insC1</i>	-0.278169822	1.200218187	0.816719731	0.909589544
<i>yjfl</i>	-0.278601771	0.30870454	0.366798332	0.602050552
<i>potC</i>	-0.278882972	0.420816933	0.507511156	0.720343379
<i>zinT</i>	-0.27937729	0.361532258	0.439665049	0.659334251
<i>rssA</i>	-0.279386225	0.239008601	0.242428629	0.475456948
<i>ygcP</i>	-0.279490904	0.24042755	0.245042763	0.478723175
<i>fliC</i>	-0.280019651	0.271204066	0.301835441	0.542197989
<i>lsrF</i>	-0.2800319	0.498535948	0.574314615	0.771550116
<i>hisQ</i>	-0.280272186	0.286388025	0.327755455	0.566174058
<i>nadC</i>	-0.280636404	0.250525688	0.262632748	0.499915284
<i>yqiA</i>	-0.282375969	0.443680958	0.524490176	0.732652886
<i>creA</i>	-0.282676878	0.439797246	0.520390466	0.730210744
<i>ynjI</i>	-0.283664612	0.403123372	0.481640179	0.698663817
<i>miaF</i>	-0.283769054	0.643465585	0.659212174	0.824423652
<i>fau</i>	-0.283847738	0.393013774	0.470150893	0.688801332
<i>ydjG</i>	-0.283904797	0.263936813	0.282081844	0.518933632
<i>nrdG</i>	-0.284294664	0.410858989	0.488967528	0.70197792
<i>yaeR</i>	-0.284635844	0.287965854	0.322939118	0.562426756
<i>yeiP</i>	-0.285303799	0.401924709	0.477800948	0.695092766
<i>leuE</i>	-0.285339603	0.367241339	0.437169884	0.658788667
<i>ftsQ</i>	-0.285643586	0.3896352	0.463494277	0.682300887
<i>mhpF</i>	-0.28629249	0.551310605	0.603555483	0.793697175
<i>ynfE</i>	-0.287096849	0.380861735	0.450964162	0.671291416
<i>yjgH</i>	-0.287122606	0.384316878	0.455004038	0.673826596
<i>ybjP</i>	-0.287228349	0.281558634	0.307663544	0.546748622
<i>potD</i>	-0.287582754	0.225856947	0.202913013	0.42621149
<i>ycbU</i>	-0.288247177	0.345740105	0.404444104	0.634320454

<i>yfiB</i>	-0.288734963	0.302993913	0.340620566	0.577728528
<i>syd</i>	-0.289490785	0.339962755	0.394471248	0.62720056
<i>aroA</i>	-0.28958142	0.225714754	0.199508544	0.422568726
<i>dnaQ</i>	-0.289609357	0.48014658	0.546396512	0.74976299
<i>flhE</i>	-0.289721463	0.37379537	0.438292156	0.659079275
<i>bfr</i>	-0.289791042	0.304737891	0.341628852	0.578019981
<i>cmoB</i>	-0.289848028	0.319800032	0.364755148	0.600047487
<i>yobB</i>	-0.289941748	0.271136351	0.284908514	0.52304487
<i>hpt</i>	-0.290103587	0.526754222	0.581813265	0.776456248
<i>wbbJ</i>	-0.290353048	0.343804182	0.39837314	0.629934022
<i>hyfJ</i>	-0.29141778	0.299446963	0.330460555	0.567206318
<i>fabH</i>	-0.291738422	0.333488693	0.381678636	0.616581293
<i>sufB</i>	-0.292061285	0.516774194	0.571963386	0.76989234
<i>mscS</i>	-0.292312332	0.279265952	0.295230266	0.533966978
<i>yegQ</i>	-0.292344715	0.211504618	0.1669059	0.380892662
<i>yhfU</i>	-0.293258422	0.25840972	0.256434682	0.492631115
<i>pyrI</i>	-0.293668786	0.304304722	0.334520569	0.57198625
<i>rnc</i>	-0.29403112	0.244786749	0.229684281	0.461770639
<i>rdgC</i>	-0.294645058	0.24012561	0.219805475	0.44997703
<i>ydqJ</i>	-0.294682799	0.235519266	0.210859824	0.43788123
<i>torD</i>	-0.294818573	0.485887556	0.54400823	0.747829602
<i>ygiC</i>	-0.295005101	0.362853256	0.41620952	0.643384549
<i>rhlB</i>	-0.295179438	0.568544143	0.603631925	0.793697175
<i>yqjA</i>	-0.295279068	0.371114766	0.426232983	0.65104145
<i>ftsL</i>	-0.296581237	0.399421867	0.45776853	0.676679442
<i>paaA</i>	-0.296748787	0.382110842	0.437392475	0.658788667
<i>dacC</i>	-0.296830855	0.283322706	0.294787168	0.533657307
<i>yfcD</i>	-0.297892043	0.245214485	0.224433844	0.455818395
<i>ybeX</i>	-0.299284683	0.392688016	0.445974265	0.666320544
<i>elaA</i>	-0.299649145	0.249652767	0.230036955	0.462022383
<i>nadD</i>	-0.299695545	0.273888119	0.273855802	0.511270265
<i>yafS</i>	-0.300471196	0.230881928	0.193119417	0.414472668
<i>hisS</i>	-0.300623628	0.494535863	0.543260135	0.747491876
<i>ecpE</i>	-0.300767309	0.239599201	0.20937225	0.436588727
<i>ygeY</i>	-0.300912431	0.481882529	0.532330891	0.739186769
<i>ygiW</i>	-0.301559894	0.374046793	0.420122347	0.645633983
<i>miaB</i>	-0.301763027	0.272660524	0.268408387	0.505865854
<i>yfjX</i>	-0.301782126	0.467031948	0.518169138	0.728106095
<i>ftnA</i>	-0.301947268	0.280599944	0.281892626	0.518933632
<i>gnd</i>	-0.302428591	0.355150672	0.394463845	0.62720056
<i>msbA</i>	-0.302700669	0.380900915	0.42679	0.651399331
<i>ydjO</i>	-0.304084902	0.288599616	0.292040147	0.53151325
<i>srlA</i>	-0.304120411	0.435382511	0.484856335	0.700059021
<i>fliN</i>	-0.30429075	0.589344372	0.60563038	0.794582334
<i>qmcA</i>	-0.304636627	0.363859366	0.402459204	0.632682168
<i>yfaP</i>	-0.305563137	0.439078732	0.486479694	0.7011811
<i>opgG</i>	-0.305801278	0.222961429	0.170205622	0.384904479
<i>cysK</i>	-0.306115405	0.31420207	0.329926044	0.567012106
<i>entD</i>	-0.306436658	0.284927181	0.282154898	0.518933632

<i>pepP</i>	-0.306565376	0.305108796	0.3150057	0.55448771
<i>asnC</i>	-0.307301168	0.481047628	0.522942305	0.73186377
<i>allR</i>	-0.308027237	0.220892243	0.163176227	0.375351812
<i>rluE</i>	-0.309920272	0.327291227	0.343676956	0.579542135
<i>yebA</i>	-0.310210529	0.301396742	0.303365435	0.544411233
<i>hybC</i>	-0.311941895	0.63356313	0.622464032	0.8040357
<i>ubiE</i>	-0.312283739	0.618297071	0.613509175	0.798432153
<i>fhuF</i>	-0.31367279	0.305585873	0.30467309	0.544689032
<i>yfdP</i>	-0.315196659	0.398433828	0.428891999	0.652387716
<i>wbbI</i>	-0.316049417	0.260423234	0.224900829	0.456213346
<i>yfiP</i>	-0.316731678	0.33244548	0.340725523	0.577728528
<i>cbpM</i>	-0.316938298	0.479180467	0.508344671	0.720571431
<i>insA</i>	-0.317152168	0.519109961	0.541230211	0.74615003
<i>ycfZ</i>	-0.318930852	0.416085722	0.443377214	0.663176663
<i>insQ</i>	-0.319535586	0.382518228	0.403522167	0.633612987
<i>casB</i>	-0.319950345	0.256044255	0.211449352	0.438428881
<i>pspA</i>	-0.320608395	0.305396326	0.293805058	0.53235683
<i>ansA</i>	-0.321111145	0.334139656	0.336547291	0.573992992
<i>apaG</i>	-0.321396299	0.427290525	0.451947164	0.671516637
<i>fkpB</i>	-0.321621407	0.304968639	0.291606083	0.531233645
<i>ygiV</i>	-0.323983063	0.288136603	0.260840037	0.49787765
<i>speD</i>	-0.323993748	0.482470791	0.501882772	0.714170163
<i>rlmA</i>	-0.32413766	0.244585334	0.185086964	0.406981289
<i>yccT</i>	-0.324430466	0.351921556	0.356589657	0.592896394
<i>cmtB</i>	-0.325859151	0.415321614	0.43269122	0.655054902
<i>agaD</i>	-0.325868441	0.507440252	0.520755729	0.73046938
<i>ycbX</i>	-0.32587012	0.393169638	0.407201575	0.635841683
<i>artP</i>	-0.32630291	0.225085746	0.147147026	0.352332469
<i>elfA</i>	-0.326353559	0.29707362	0.2719595	0.509169165
<i>sfmC</i>	-0.326624365	0.249543455	0.190572386	0.411983443
<i>bamA</i>	-0.327119921	0.617190949	0.596102138	0.787971293
<i>ycgM</i>	-0.328509414	0.2810941	0.242532065	0.475456948
<i>prfB</i>	-0.329457744	0.47504762	0.487979689	0.7011811
<i>idnK</i>	-0.32965261	0.359660323	0.359369836	0.595068099
<i>moaE</i>	-0.329700894	0.473989563	0.48668762	0.7011811
<i>yghD</i>	-0.330012368	0.338972546	0.330271748	0.567206318
<i>lgt</i>	-0.33011466	0.213607768	0.122243639	0.311158619
<i>lsrC</i>	-0.330415615	0.596658109	0.579731382	0.774124131
<i>ydhT</i>	-0.330786309	0.454032443	0.466275662	0.684741669
<i>fadD</i>	-0.33172063	0.293844375	0.25894043	0.495301654
<i>glnS</i>	-0.332190307	0.337960986	0.325644346	0.564483964
<i>yaiV</i>	-0.332255049	0.263464107	0.207272187	0.433446977
<i>hchA</i>	-0.332276103	0.254188256	0.191143173	0.411983443
<i>hldD</i>	-0.332490873	0.442264738	0.452176451	0.67161013
<i>mnaT</i>	-0.333168893	0.301837347	0.269678713	0.507312659
<i>sfmA</i>	-0.333781227	0.387052312	0.388485472	0.621854024
<i>yfcI</i>	-0.335391865	0.266118224	0.207557005	0.4336996
<i>nfsB</i>	-0.335736146	0.261150264	0.19858087	0.422057811
<i>glnQ</i>	-0.338497367	0.333248719	0.309748479	0.54940888

<i>ulaB</i>	-0.339235083	0.368554989	0.357339573	0.593898665
<i>yjaB</i>	-0.339603118	0.45259524	0.453046225	0.67240721
<i>rfbC</i>	-0.340281894	0.274482032	0.215077589	0.443446489
<i>kch</i>	-0.340384803	0.410591934	0.407098771	0.635841683
<i>pgpC</i>	-0.340434329	0.365197171	0.351236675	0.587626381
<i>yihA</i>	-0.340665473	0.523513605	0.515221454	0.725705969
<i>lepB</i>	-0.341053662	0.283318271	0.228673538	0.460196947
<i>wcaA</i>	-0.341130821	0.424873716	0.422032924	0.647405953
<i>ubiC</i>	-0.341392881	0.411192821	0.406397394	0.635374504
<i>glpQ</i>	-0.341457372	0.292526338	0.243101139	0.475945343
<i>lptC</i>	-0.342106821	0.56938387	0.547948646	0.750792319
<i>yibG</i>	-0.342224435	0.492831809	0.487428816	0.7011811
<i>orn</i>	-0.34240133	0.330711346	0.300506421	0.540616944
<i>ybhQ</i>	-0.343158437	0.306610868	0.263055447	0.500449971
<i>yqjF</i>	-0.343249334	0.340648923	0.313630345	0.553376618
<i>mppA</i>	-0.343533297	0.433131291	0.427696873	0.651797764
<i>lsrR</i>	-0.34356401	0.310389144	0.268345152	0.505865854
<i>ldhA</i>	-0.34356524	0.26576588	0.196102227	0.418866512
<i>elaD</i>	-0.344317192	0.319314011	0.280898649	0.518275981
<i>yigG</i>	-0.345130946	0.369882218	0.350776926	0.587344027
<i>araF</i>	-0.34546836	0.324957326	0.287727916	0.526544694
<i>entH</i>	-0.345551158	0.312792823	0.269277234	0.50702994
<i>ydaS</i>	-0.346868482	0.749829603	0.643653683	0.814554834
<i>nei</i>	-0.348506962	0.415256836	0.401325438	0.632252636
<i>rsuA</i>	-0.348681806	0.467870805	0.456119195	0.674488348
<i>ybjO</i>	-0.349258438	0.429648829	0.416279525	0.643384549
<i>ccmE</i>	-0.349402626	0.471438177	0.458607355	0.677423305
<i>yagK</i>	-0.349675724	0.335713405	0.297601809	0.536347545
<i>ydqD</i>	-0.34999039	0.274378055	0.20210502	0.424946857
<i>fadL</i>	-0.350582688	0.350852025	0.317682155	0.556874885
<i>mqsR</i>	-0.350697902	0.695065227	0.613872164	0.798647092
<i>chrR</i>	-0.350703466	0.509151252	0.490949032	0.703821465
<i>yecE</i>	-0.351376659	0.491514113	0.474679362	0.692297899
<i>pykA</i>	-0.352417399	0.240872146	0.143443015	0.34654665
<i>paoA</i>	-0.354196461	0.367888084	0.335656342	0.57363869
<i>gspM</i>	-0.354334915	0.251320745	0.158571801	0.369343025
<i>ychF</i>	-0.35492065	0.226938408	0.117828972	0.304529807
<i>ydhF</i>	-0.355171261	0.225044632	0.114513727	0.299385538
<i>fdhE</i>	-0.356194425	0.435141627	0.413031076	0.640088529
<i>ftsH</i>	-0.356410348	0.709278996	0.61531818	0.799075767
<i>yieP</i>	-0.356555186	0.498621315	0.474558303	0.692297899
<i>casE</i>	-0.356807568	0.458862288	0.436809676	0.658788667
<i>sad</i>	-0.357014928	0.514348991	0.487613045	0.7011811
<i>surE</i>	-0.357743451	0.390510776	0.359619109	0.595236713
<i>tfaQ</i>	-0.358031658	0.776261876	0.644636933	0.814777489
<i>sohB</i>	-0.358442242	0.270529441	0.185182514	0.406981289
<i>yfhR</i>	-0.358572037	0.218062891	0.100103622	0.274164397
<i>yjIT</i>	-0.359147896	0.375034471	0.338244477	0.575914362
<i>fdoG</i>	-0.360247938	0.547499147	0.510545761	0.722170021

<i>exbD</i>	-0.360869225	0.585456132	0.537637242	0.743556543
<i>ygdD</i>	-0.360879284	0.402057144	0.3694084	0.604255151
<i>yeaE</i>	-0.361663087	0.360590358	0.31587296	0.555149821
<i>gatC</i>	-0.361835191	0.504471263	0.473215967	0.691070505
<i>murR</i>	-0.362806565	0.337301606	0.282099612	0.518933632
<i>pgpA</i>	-0.363036958	0.414480075	0.381092454	0.615880799
<i>ybaO</i>	-0.363151437	0.333944847	0.276833865	0.51382911
<i>yggM</i>	-0.363167935	0.384649207	0.34509116	0.580956219
<i>yfdF</i>	-0.363411495	0.255008221	0.154129113	0.363526107
<i>ubiX</i>	-0.363529904	0.308195382	0.238181768	0.470420645
<i>nrfF</i>	-0.363616228	0.395261196	0.357604586	0.594094532
<i>ygeW</i>	-0.363714675	0.536321367	0.497666733	0.710272152
<i>ydhJ</i>	-0.36530278	0.452567901	0.419564031	0.645529891
<i>rssB</i>	-0.365677157	0.291616535	0.209854442	0.437008586
<i>ycdY</i>	-0.366185346	0.274782035	0.182650193	0.403589946
<i>zupT</i>	-0.366813469	0.251076695	0.144025916	0.347538926
<i>ycjZ</i>	-0.366946777	0.332129172	0.269232602	0.50702994
<i>dsbC</i>	-0.367929052	0.530295	0.487795364	0.7011811
<i>fucU</i>	-0.367958321	0.335099128	0.272179108	0.509169165
<i>ydaU</i>	-0.368151759	0.426219656	0.3877194	0.621366898
<i>hybE</i>	-0.368293489	0.557063334	0.508526407	0.720576028
<i>proX</i>	-0.368885131	0.234380234	0.11551641	0.301058584
<i>yigF</i>	-0.370545638	0.34378425	0.281103578	0.518417152
<i>dcm</i>	-0.37214857	0.314690285	0.236972956	0.468871769
<i>yhbJ</i>	-0.372177809	0.411048217	0.365234508	0.600390732
<i>psuK</i>	-0.373924782	0.411914132	0.36399784	0.599779298
<i>nadA</i>	-0.373976784	0.256879562	0.145435518	0.349573212
<i>wcaF</i>	-0.374187242	0.444175678	0.399546896	0.630805952
<i>ycdU</i>	-0.374588084	0.319698064	0.241320209	0.474529802
<i>yfiR</i>	-0.3748854	0.358246194	0.295355031	0.533966978
<i>hcaC</i>	-0.37566271	0.336150154	0.263761642	0.501085058
<i>tusC</i>	-0.376411545	0.327335073	0.250173805	0.484854369
<i>gfcB</i>	-0.376610364	0.426060818	0.376730928	0.61135866
<i>hycA</i>	-0.377054128	0.283860319	0.184076151	0.406191088
<i>rpiB</i>	-0.377691599	0.483542418	0.434747797	0.65659441
<i>prc</i>	-0.378018806	0.204374272	0.06436547	0.205543614
<i>pncB</i>	-0.378188954	0.283220439	0.181772748	0.402091278
<i>yneK</i>	-0.380104655	0.359882605	0.290881105	0.530152154
<i>uvrY</i>	-0.380453487	0.399779895	0.34127077	0.577860031
<i>tolQ</i>	-0.380700142	0.253806378	0.133624021	0.329328554
<i>oppB</i>	-0.381238731	0.461695084	0.408953278	0.637379914
<i>atoA</i>	-0.38175129	0.573117039	0.505349382	0.718343469
<i>tolR</i>	-0.382286493	0.492040784	0.437193779	0.658788667
<i>eptB</i>	-0.382652247	0.554736972	0.490325996	0.703368552
<i>typA</i>	-0.382936616	0.755054222	0.612039477	0.797805414
<i>ydeE</i>	-0.383915042	0.418490008	0.3589427	0.594734274
<i>dtpA</i>	-0.384746955	0.470602169	0.413606721	0.640479605
<i>yfdN</i>	-0.385036075	0.303711535	0.204880449	0.42966357
<i>yfdK</i>	-0.385559603	0.293993708	0.189703991	0.411900695

<i>rsxE</i>	-0.38623017	0.537985369	0.472806943	0.690814922
<i>truB</i>	-0.387269998	0.510486428	0.448074298	0.668468566
<i>flgC</i>	-0.387858137	0.353137501	0.272064587	0.509169165
<i>rbn</i>	-0.388696627	0.32088223	0.225766143	0.456851088
<i>uspC</i>	-0.39011331	0.366862061	0.287610238	0.526544694
<i>ydeS</i>	-0.390268644	0.323375429	0.227486333	0.458264634
<i>yceB</i>	-0.391205533	0.442403587	0.376548877	0.61135866
<i>rseP</i>	-0.391462988	0.351136628	0.264916758	0.502569997
<i>pagP</i>	-0.391848234	0.297913064	0.188405511	0.410760621
<i>mnmA</i>	-0.392600347	0.289739189	0.175413437	0.393632044
<i>ecpA</i>	-0.392791259	0.438332888	0.370197946	0.605056319
<i>znuC</i>	-0.393200811	0.291526383	0.177412208	0.396793952
<i>yneJ</i>	-0.393259219	0.496841489	0.428641499	0.652387716
<i>ydeM</i>	-0.393267343	0.403554545	0.329804111	0.567012106
<i>waan</i>	-0.394067332	0.326450031	0.22738243	0.458264634
<i>ynfC</i>	-0.395525121	0.379523423	0.297336296	0.536108363
<i>yeeY</i>	-0.396484724	0.378277894	0.294578333	0.533518498
<i>selD</i>	-0.396573323	0.218198597	0.06914243	0.214654492
<i>rluB</i>	-0.396667851	0.34572932	0.251242594	0.486381415
<i>tehB</i>	-0.397635868	0.332445676	0.23166036	0.464355945
<i>acnA</i>	-0.397764346	0.330138701	0.228265036	0.459603966
<i>ydiN</i>	-0.397872299	0.406234613	0.327374937	0.566001122
<i>pbpG</i>	-0.398241919	0.256747896	0.120877481	0.309308482
<i>yjjA</i>	-0.398291456	0.302510564	0.187966033	0.410760621
<i>yliE</i>	-0.398395953	0.409284155	0.330356048	0.567206318
<i>ilvH</i>	-0.398680817	0.23655578	0.091919815	0.258953448
<i>nrdF</i>	-0.400538362	0.379124016	0.290747262	0.53014756
<i>dacA</i>	-0.401306995	0.371536644	0.280085349	0.517721866
<i>mscL</i>	-0.402366849	0.317503694	0.205054324	0.429804936
<i>flgB</i>	-0.402834828	0.378122189	0.286714757	0.525405118
<i>cvpA</i>	-0.402931064	0.340859831	0.237165259	0.468871769
<i>folM</i>	-0.403123436	0.315857506	0.201855642	0.424946857
<i>psiF</i>	-0.403731053	0.29592036	0.172465824	0.388312622
<i>glf</i>	-0.40412779	0.341831233	0.237109054	0.468871769
<i>yjcH</i>	-0.405092168	0.523339512	0.438899848	0.659079275
<i>cynR</i>	-0.405266937	0.417652143	0.331874234	0.569148803
<i>ycaP</i>	-0.40545756	0.257749889	0.11570356	0.301157493
<i>puuR</i>	-0.405890108	0.293291948	0.166385546	0.379919938
<i>psuG</i>	-0.40643316	0.500778582	0.417019743	0.644281938
<i>ydjI</i>	-0.406803316	0.398175042	0.306937328	0.546584028
<i>tdk</i>	-0.406827827	0.398013898	0.306712383	0.546584028
<i>cysZ</i>	-0.407289886	0.241337041	0.091480481	0.258953448
<i>smrA</i>	-0.408049945	0.453244379	0.367967628	0.603034196
<i>rsxA</i>	-0.408570934	0.504267965	0.417810391	0.645009769
<i>manA</i>	-0.409209201	0.31221356	0.189969003	0.411983443
<i>yegL</i>	-0.409235815	0.41918122	0.328928595	0.56686713
<i>yqeH</i>	-0.410173494	0.544939255	0.451632728	0.671516637
<i>yehD</i>	-0.410368919	0.235967805	0.08201918	0.242023204
<i>ycbJ</i>	-0.410679803	0.307742616	0.18204294	0.402468428

<i>emtA</i>	-0.411317973	0.361694003	0.255455204	0.491337944
<i>trpA</i>	-0.411615317	0.28006897	0.141645005	0.344263024
<i>yoaH</i>	-0.411751033	0.713210941	0.563723218	0.762705189
<i>yebZ</i>	-0.412433373	0.279355669	0.13984359	0.340705233
<i>ymfA</i>	-0.41309474	0.253257309	0.102863603	0.277812336
<i>yjfl</i>	-0.414380461	0.379386161	0.274727949	0.512039118
<i>yccU</i>	-0.41590905	0.264169932	0.115395084	0.300936662
<i>mmuP</i>	-0.416091678	0.663938887	0.53085474	0.738532135
<i>yaaH</i>	-0.416586887	0.311349383	0.180894958	0.400808423
<i>argT</i>	-0.417099522	0.383501356	0.276767761	0.51382911
<i>mglB</i>	-0.417911098	0.385145906	0.277889699	0.514605833
<i>nlpE</i>	-0.418558182	0.386101086	0.278336545	0.515196988
<i>ygbA</i>	-0.418638277	0.2937855	0.154163165	0.363526107
<i>ivy</i>	-0.418784997	0.541153909	0.439005244	0.659079275
<i>purU</i>	-0.41961446	0.265229403	0.113631028	0.297875624
<i>phoE</i>	-0.42110845	0.32254682	0.191697775	0.412518079
<i>yehQ</i>	-0.421807259	0.31170262	0.175980195	0.394568148
<i>codB</i>	-0.421983429	0.496365451	0.395243553	0.62720056
<i>gltX</i>	-0.423469171	0.412473319	0.304581375	0.544689032
<i>btuR</i>	-0.424958402	0.34146784	0.213313795	0.441161778
<i>nudG</i>	-0.427104243	0.398644771	0.283993857	0.521840328
<i>cybB</i>	-0.427132179	0.256979133	0.096487139	0.267159519
<i>yhbE</i>	-0.427253794	0.262479928	0.103576216	0.279130296
<i>ybeT</i>	-0.427369729	0.366840466	0.244018346	0.47727813
<i>ycjW</i>	-0.427970927	0.434918014	0.325102397	0.564246938
<i>yccF</i>	-0.428265158	0.341613836	0.209968214	0.437008586
<i>nfo</i>	-0.42835932	0.275189672	0.119566281	0.30705412
<i>yaiO</i>	-0.428466955	0.283467054	0.130655268	0.324188886
<i>yafK</i>	-0.428766027	0.204733817	0.036236746	0.143138693
<i>yodB</i>	-0.429015189	0.235926091	0.068998367	0.214654492
<i>yibI</i>	-0.430170628	0.535329603	0.421649867	0.647224529
<i>ydiP</i>	-0.430223984	0.451252671	0.340387792	0.577728528
<i>pntA</i>	-0.430854996	0.434152771	0.321000433	0.560818235
<i>yceH</i>	-0.431198683	0.250010753	0.084577846	0.247522707
<i>lpxT</i>	-0.43282812	0.390039252	0.267126597	0.504628016
<i>tabA</i>	-0.433407745	0.553058279	0.433241662	0.655054902
<i>yacL</i>	-0.433623043	0.792582773	0.584309159	0.778500355
<i>fadM</i>	-0.434020059	0.320761548	0.176026067	0.394568148
<i>ydfR</i>	-0.434058434	0.340976747	0.203023209	0.42621149
<i>hybD</i>	-0.43407828	0.368838333	0.239243598	0.471496507
<i>topA</i>	-0.434428808	0.21158155	0.0400488	0.152525476
<i>ynbA</i>	-0.435273652	0.479920995	0.364422984	0.600034454
<i>perR</i>	-0.435608059	0.20427862	0.032972236	0.134467273
<i>pyrG</i>	-0.435696385	0.424039424	0.304189662	0.544689032
<i>ydcF</i>	-0.436452326	0.273142788	0.1100673	0.29123741
<i>ybhH</i>	-0.43653144	0.4511404	0.333235331	0.57099789
<i>sodC</i>	-0.438078166	0.372070103	0.23903286	0.4714097
<i>aroM</i>	-0.438481553	0.232813495	0.059645821	0.195401212
<i>yfbR</i>	-0.439052129	0.285210301	0.123707195	0.313911887

<i>hscB</i>	-0.439105415	0.279754313	0.116505664	0.302854711
<i>yjbR</i>	-0.439195499	0.538052327	0.414346232	0.641378735
<i>ybjH</i>	-0.439548395	0.435495843	0.312828093	0.552444013
<i>chiQ</i>	-0.439554923	0.417547246	0.292475284	0.53151325
<i>plsX</i>	-0.440021189	0.403478826	0.275462916	0.513172032
<i>ychO</i>	-0.440576697	0.405353095	0.277082731	0.514054681
<i>smrB</i>	-0.441248127	0.271991955	0.104742608	0.281372027
<i>yfdX</i>	-0.441838211	0.562236526	0.431950537	0.654819497
<i>lolB</i>	-0.441867507	0.248016872	0.074814058	0.226750918
<i>thiS</i>	-0.442889191	0.496897895	0.372763826	0.607528286
<i>ybjE</i>	-0.44291189	0.233966972	0.058350815	0.192282462
<i>hypC</i>	-0.443508732	0.455134372	0.329829836	0.567012106
<i>maa</i>	-0.443706156	0.535987994	0.407767612	0.636157269
<i>chbR</i>	-0.44469746	0.471677981	0.345783799	0.581637165
<i>yecT</i>	-0.444758826	0.344287835	0.196418567	0.418866512
<i>ychE</i>	-0.444932643	0.270338802	0.099798054	0.273513064
<i>ybjG</i>	-0.446074621	0.24850322	0.07264643	0.221338593
<i>minD</i>	-0.446222403	0.40238345	0.267452529	0.504771323
<i>mcbR</i>	-0.446862224	0.333805269	0.180671175	0.400752492
<i>ybgA</i>	-0.447278094	0.337247802	0.184753765	0.406901772
<i>ygaC</i>	-0.447842754	0.388823491	0.249407647	0.484066669
<i>zraP</i>	-0.448723173	0.659148324	0.496022058	0.708577866
<i>ycaC</i>	-0.449298249	0.255299247	0.078426687	0.234502043
<i>arfB</i>	-0.449849164	0.277529867	0.105038312	0.28175393
<i>ydcL</i>	-0.450091974	0.258256823	0.081367215	0.240644284
<i>gtrS</i>	-0.450249962	0.294968401	0.126901676	0.318755738
<i>yedL</i>	-0.45155754	0.258901384	0.081136513	0.240137904
<i>yfgI</i>	-0.451765719	0.497049289	0.363405441	0.599779298
<i>kdgR</i>	-0.453338253	0.311203033	0.145191406	0.349515628
<i>fepE</i>	-0.453728286	0.416251413	0.275698069	0.513373204
<i>ybhK</i>	-0.45441594	0.278838877	0.103170815	0.27840948
<i>cobB</i>	-0.45557222	0.326910775	0.163448259	0.375561936
<i>mpaA</i>	-0.456093832	0.291805504	0.11805112	0.304908748
<i>tqsA</i>	-0.456947128	0.408418089	0.263216099	0.50049183
<i>rnlA</i>	-0.457352954	0.475170866	0.335797452	0.57363869
<i>yfiI</i>	-0.459300153	0.51732982	0.374633016	0.609836083
<i>ycfD</i>	-0.459305132	0.229997382	0.045825013	0.164880193
<i>lpxA</i>	-0.459407762	0.421755866	0.276033008	0.513523158
<i>allA</i>	-0.459879789	0.387065655	0.234786804	0.467241882
<i>potF</i>	-0.460240378	0.478566757	0.336197459	0.57363869
<i>ydfG</i>	-0.461186695	0.477635793	0.334263688	0.57198625
<i>yfgD</i>	-0.462150394	0.282037477	0.101293796	0.2761128
<i>folK</i>	-0.462249291	0.251571249	0.066143667	0.209101006
<i>focA</i>	-0.462806879	0.312581035	0.138713708	0.33877026
<i>artI</i>	-0.463482631	0.303461652	0.126681801	0.31843987
<i>spy</i>	-0.464470471	0.284120132	0.102097713	0.276900479
<i>bluR</i>	-0.464563011	0.303628389	0.126007293	0.317337143
<i>yajO</i>	-0.465319906	0.387682601	0.230038392	0.462022383
<i>xdhC</i>	-0.465393613	0.298532621	0.119011241	0.306541079

<i>yecA</i>	-0.465971192	0.491585873	0.343183532	0.579193946
<i>ybbL</i>	-0.46719596	0.330282472	0.157205018	0.367692154
<i>ykgF</i>	-0.467359751	0.407816125	0.251792644	0.487056495
<i>rspB</i>	-0.468404055	0.373751585	0.210114854	0.437008586
<i>deoA</i>	-0.468431381	0.571908316	0.412748036	0.640088529
<i>smtA</i>	-0.468843894	0.381490247	0.219079294	0.449630458
<i>fbp</i>	-0.468931515	0.468105058	0.316456845	0.555356132
<i>mrp</i>	-0.469264753	0.358873685	0.191007578	0.411983443
<i>yddE</i>	-0.469751517	0.384417024	0.221713615	0.452506504
<i>guaA</i>	-0.469861933	0.537949681	0.382428194	0.616969633
<i>csgE</i>	-0.470622781	0.397137234	0.236002355	0.467717972
<i>sdhA</i>	-0.471321933	0.559702965	0.399735915	0.630857658
<i>acpS</i>	-0.472987485	0.360382923	0.189365616	0.411900695
<i>yciC</i>	-0.476237246	0.2332046	0.041137304	0.155352009
<i>cysP</i>	-0.476722044	0.528830461	0.367341243	0.602582933
<i>ydeR</i>	-0.477004678	0.30172102	0.113890356	0.298168201
<i>yqgE</i>	-0.477178992	0.240418496	0.047168412	0.168512284
<i>yadL</i>	-0.477521601	0.372545248	0.199919311	0.423216706
<i>ygaU</i>	-0.478043275	0.343603192	0.164144924	0.376645888
<i>yedI</i>	-0.479039126	0.370982912	0.19661005	0.418866512
<i>yiaB</i>	-0.480638054	0.424226037	0.257224199	0.493447271
<i>dld</i>	-0.481479748	0.212239119	0.023294359	0.105900142
<i>yajG</i>	-0.481662389	0.518205263	0.352639425	0.588996838
<i>yehC</i>	-0.481671808	0.498410724	0.333836352	0.571542559
<i>yhdT</i>	-0.481682197	0.353805991	0.173377746	0.389930897
<i>cobU</i>	-0.482033491	0.350334821	0.168845691	0.383619871
<i>yeeN</i>	-0.482559091	0.348024566	0.165574089	0.378709686
<i>waaS</i>	-0.483269968	0.349032366	0.166175027	0.37965398
<i>hisG</i>	-0.48576645	0.362396879	0.180106662	0.400159931
<i>yeaR</i>	-0.487985892	0.281311872	0.082797618	0.243981009
<i>rdoA</i>	-0.489331134	0.428149213	0.253080695	0.489057512
<i>ygaV</i>	-0.489744601	0.498897909	0.326270856	0.564974245
<i>yfcG</i>	-0.489778651	0.39864628	0.219220092	0.449690809
<i>potA</i>	-0.49051474	0.257180631	0.056484708	0.189392663
<i>alkB</i>	-0.490675516	0.481033015	0.307706928	0.546748622
<i>yggD</i>	-0.491813658	0.356866798	0.168158987	0.382670705
<i>higA</i>	-0.492308091	0.464107919	0.28879803	0.52820317
<i>accD</i>	-0.492806433	0.544305694	0.365261243	0.600390732
<i>rrrQ</i>	-0.493630624	0.46357592	0.286951815	0.525600943
<i>dapD</i>	-0.493737551	0.340121236	0.146598491	0.351227364
<i>yhbO</i>	-0.494683777	0.244382851	0.04294789	0.159762217
<i>preT</i>	-0.494838697	0.24343893	0.042082682	0.158448422
<i>yecM</i>	-0.49495671	0.255933319	0.053121934	0.182313445
<i>ves</i>	-0.495229075	0.387724367	0.201506602	0.424794857
<i>xthA</i>	-0.495505543	0.426259558	0.24505261	0.478723175
<i>tusB</i>	-0.495582049	0.753656146	0.510814156	0.722296584
<i>sanA</i>	-0.497567955	0.314474177	0.113598905	0.297875624
<i>wcaE</i>	-0.498030231	0.542595002	0.358688322	0.594734274
<i>yhaI</i>	-0.499533715	0.350202803	0.153749258	0.363399154

<i>arsC</i>	-0.499899271	0.274372947	0.068459542	0.213578958
<i>ttcA</i>	-0.500432272	0.23852171	0.035900063	0.142092
<i>yidH</i>	-0.500683828	0.285447635	0.079425299	0.236460128
<i>lipB</i>	-0.501284099	0.29599591	0.090350681	0.257953112
<i>ycbC</i>	-0.50315239	0.523813089	0.3367749	0.574138628
<i>ydhY</i>	-0.504704216	0.256098702	0.048753507	0.172043625
<i>wcaB</i>	-0.505316688	0.571906915	0.376931311	0.61135866
<i>chbA</i>	-0.506759852	0.3044440896	0.096000758	0.266177926
<i>bcp</i>	-0.506957482	0.443944727	0.253479671	0.489147912
<i>yrdB</i>	-0.50951944	0.787662788	0.517712786	0.727718147
<i>nadE</i>	-0.510854314	0.385569699	0.185193121	0.406981289
<i>ycfL</i>	-0.512036114	0.448712334	0.253818603	0.489334145
<i>hdhA</i>	-0.513490016	0.396617396	0.1954329	0.418281084
<i>yohD</i>	-0.513531419	0.40236161	0.201851864	0.424946857
<i>nfsA</i>	-0.51361347	0.321381482	0.110011222	0.29123741
<i>ygdH</i>	-0.517919208	0.647134199	0.423521153	0.648863337
<i>rzpQ</i>	-0.519255677	0.520288801	0.318272412	0.557667415
<i>yciM</i>	-0.519257583	0.365804128	0.155754394	0.365519541
<i>uxaC</i>	-0.519587328	0.749344045	0.48806512	0.7011811
<i>flgN</i>	-0.519791093	0.437537208	0.23483621	0.467241882
<i>yfdT</i>	-0.520126496	0.387658606	0.179689151	0.399854937
<i>cptA</i>	-0.520791452	0.394884254	0.187220659	0.41004487
<i>ratA</i>	-0.521059426	0.568077915	0.359020913	0.594734274
<i>trxB</i>	-0.522692544	0.378353835	0.16712794	0.381183895
<i>arsR</i>	-0.523041204	0.510031774	0.305123979	0.544796772
<i>umuD</i>	-0.523066326	0.282342598	0.06394051	0.204700903
<i>wzzB</i>	-0.524838289	0.486399509	0.280575613	0.517916666
<i>ruvC</i>	-0.524860562	0.327878108	0.10942576	0.290817507
<i>ygfB</i>	-0.525740362	0.650405549	0.418902368	0.645529891
<i>glpE</i>	-0.526075322	0.62807956	0.402259076	0.632682168
<i>rraB</i>	-0.526396002	0.678977916	0.438175962	0.659079275
<i>fliR</i>	-0.526587385	0.371419042	0.156257445	0.365719093
<i>yeaM</i>	-0.526601623	0.612183052	0.389677219	0.622281223
<i>epd</i>	-0.526998391	0.500689602	0.292549527	0.53151325
<i>ftsZ</i>	-0.527077274	0.652700304	0.419359259	0.645529891
<i>infB</i>	-0.527682324	0.679642763	0.437506172	0.658788667
<i>lacI</i>	-0.527738031	0.224851081	0.018922422	0.092369789
<i>yiaL</i>	-0.527858057	0.275404109	0.055280209	0.187063037
<i>yafY</i>	-0.528333303	0.466633761	0.257541095	0.493447271
<i>nupG</i>	-0.529456054	0.612387294	0.387270925	0.621250121
<i>ydjX</i>	-0.530504741	0.265599456	0.045783224	0.164880193
<i>cheW</i>	-0.531032923	0.292083095	0.069050603	0.214654492
<i>add</i>	-0.531184285	0.3168563	0.093655926	0.261111169
<i>yhaB</i>	-0.531701372	0.262708075	0.042977896	0.159762217
<i>yfeY</i>	-0.531822593	0.417745402	0.20299027	0.42621149
<i>msrC</i>	-0.532856515	0.416307029	0.20055906	0.424126204
<i>paaC</i>	-0.532911527	0.473129384	0.260015394	0.496773376
<i>aspS</i>	-0.533860431	0.383093936	0.163453634	0.375561936
<i>marC</i>	-0.535250629	0.32315806	0.097658616	0.269663361

<i>rseC</i>	-0.536520102	0.281148431	0.056350362	0.189099262
<i>yneE</i>	-0.536584519	0.416200938	0.197313309	0.41990186
<i>acrR</i>	-0.537247622	0.401980865	0.18138574	0.401675389
<i>yohC</i>	-0.537462937	0.366027479	0.142004363	0.344721355
<i>ybaN</i>	-0.540529063	0.298266733	0.069950074	0.216167474
<i>exuR</i>	-0.545669428	0.541081013	0.313224042	0.55290138
<i>ynfK</i>	-0.546856689	0.320249639	0.087711512	0.253543815
<i>ffh</i>	-0.546924986	0.522286503	0.295019212	0.533837991
<i>pgsA</i>	-0.54735505	0.41166625	0.183647212	0.405571003
<i>psuT</i>	-0.547400737	0.6300699	0.38496	0.619293399
<i>mtn</i>	-0.547510939	0.432557182	0.205601206	0.430504185
<i>yidI</i>	-0.547823669	0.423966695	0.196309201	0.418866512
<i>matP</i>	-0.548077249	0.454097854	0.227448139	0.458264634
<i>hybF</i>	-0.548732029	0.33122568	0.097585978	0.269647223
<i>nsrR</i>	-0.551282798	0.745873299	0.459839892	0.677937254
<i>yhhM</i>	-0.552252951	0.35447179	0.119242676	0.306613175
<i>ybaV</i>	-0.552346488	0.379744302	0.145801605	0.349941189
<i>yhbT</i>	-0.553386566	0.52179358	0.288895863	0.52820317
<i>ygjH</i>	-0.553922806	0.433402531	0.201221465	0.424415389
<i>pinQ</i>	-0.555299743	0.444862511	0.211939425	0.438994079
<i>glpF</i>	-0.555580623	0.639878815	0.385252491	0.619380448
<i>yahB</i>	-0.555784481	0.424506138	0.190449824	0.411983443
<i>yahL</i>	-0.555785201	0.27726604	0.045014434	0.163714656
<i>tmk</i>	-0.557432555	0.331018017	0.092182711	0.259257256
<i>ybjK</i>	-0.557768217	0.26775466	0.037239222	0.145956056
<i>yafJ</i>	-0.560046318	0.378464611	0.138930588	0.33909479
<i>ybgC</i>	-0.560654717	0.546586618	0.305015052	0.544796772
<i>ymdA</i>	-0.560868193	0.279339702	0.044660767	0.162868577
<i>ybfB</i>	-0.560991338	0.800728286	0.483551821	0.699190852
<i>serC</i>	-0.561887179	0.324391652	0.083251151	0.245138508
<i>nuoH</i>	-0.563468265	0.511886295	0.270997462	0.508372098
<i>nupC</i>	-0.563821675	0.594719364	0.343105728	0.579193946
<i>nemR</i>	-0.563853566	0.45155532	0.211777707	0.438884294
<i>pgpB</i>	-0.564363658	0.397460348	0.155629682	0.365489836
<i>ydeH</i>	-0.565545363	0.249623344	0.023476201	0.1064337
<i>hlyE</i>	-0.565940048	0.393936101	0.150823424	0.358988723
<i>dppA</i>	-0.566160752	0.521358397	0.277508242	0.514371337
<i>lpxD</i>	-0.566722686	0.386789508	0.142867277	0.345776498
<i>yjgZ</i>	-0.567493213	0.712934681	0.426034313	0.65104145
<i>ykgG</i>	-0.568356083	0.298313193	0.056749815	0.189966006
<i>yaiS</i>	-0.568936423	0.261422112	0.029531841	0.124187542
<i>gadE</i>	-0.568990605	0.434475827	0.190330361	0.411983443
<i>map</i>	-0.570111671	0.459371185	0.214579992	0.443099451
<i>fnr</i>	-0.570944749	0.338178795	0.09135508	0.258953448
<i>hybA</i>	-0.571082921	0.624123119	0.360182994	0.595681584
<i>yaiL</i>	-0.571917023	0.317742702	0.071870499	0.219970586
<i>yqhA</i>	-0.572056441	0.369613718	0.121691095	0.310436755
<i>speE</i>	-0.572128868	0.580161158	0.324057022	0.563887155
<i>ydjF</i>	-0.57228056	0.327450036	0.080518035	0.238832703

<i>hcaR</i>	-0.572347259	0.234103014	0.014491153	0.079592905
<i>rpoC</i>	-0.572496025	0.778295787	0.46198852	0.680674327
<i>gpmA</i>	-0.572579025	0.370257083	0.121999212	0.310732379
<i>ynbB</i>	-0.57336375	0.506282547	0.257425309	0.493447271
<i>dcrB</i>	-0.574533609	0.655683413	0.380901586	0.615818863
<i>narU</i>	-0.576743911	0.484442612	0.233837783	0.46608109
<i>ybjM</i>	-0.577622307	0.375020211	0.123501098	0.313765847
<i>nuoJ</i>	-0.578705196	0.560488107	0.301836923	0.542197989
<i>ydaV</i>	-0.580134447	0.391462707	0.138349325	0.33825081
<i>thyA</i>	-0.580668991	0.412584217	0.159310274	0.369618146
<i>glnP</i>	-0.581245029	0.390447714	0.136576158	0.334968377
<i>ydfV</i>	-0.581738238	0.433759346	0.179870341	0.399854937
<i>loiP</i>	-0.58299623	0.41113554	0.15618648	0.365719093
<i>gmhA</i>	-0.585342314	0.409735236	0.153123055	0.36255588
<i>wbbK</i>	-0.585374832	0.347161478	0.091762193	0.258953448
<i>yggN</i>	-0.585901829	0.24145286	0.015242386	0.081935433
<i>rob</i>	-0.588679629	0.646866479	0.362797128	0.599513716
<i>nuoI</i>	-0.588982584	0.330077691	0.074362651	0.225715805
<i>proQ</i>	-0.589117862	0.234916358	0.012149328	0.069569982
<i>yjaA</i>	-0.589335301	0.357739474	0.099478559	0.272822651
<i>yqcA</i>	-0.589746927	0.603976003	0.328845976	0.56686713
<i>yfeK</i>	-0.589881064	0.559931243	0.292117213	0.53151325
<i>pflA</i>	-0.591369151	0.458228826	0.196858295	0.419154502
<i>ykgB</i>	-0.59235064	0.222021009	0.00763057	0.049765124
<i>pssA</i>	-0.593617179	0.453901858	0.190937919	0.411983443
<i>caiF</i>	-0.595439134	0.698243764	0.393788612	0.626863022
<i>fabR</i>	-0.597173612	0.55902912	0.285415215	0.523498965
<i>yadI</i>	-0.597289375	0.597498232	0.317479701	0.556761751
<i>yjdN</i>	-0.598026069	0.369750613	0.105796967	0.283224375
<i>mlaC</i>	-0.598448287	0.594409727	0.314033665	0.553604326
<i>ydcN</i>	-0.599354219	0.306888975	0.050819576	0.176404667
<i>yphF</i>	-0.599832983	0.543259265	0.269533452	0.507275778
<i>mocA</i>	-0.60152201	0.495992801	0.22522022	0.456432744
<i>mazG</i>	-0.602675456	0.321997241	0.061251035	0.198292243
<i>rna</i>	-0.602827326	0.285027134	0.034431461	0.138671982
<i>ydeJ</i>	-0.6029453	0.280547778	0.031620804	0.130658329
<i>ybfP</i>	-0.603412049	0.524375847	0.249845661	0.484450976
<i>nudE</i>	-0.603480247	0.404234715	0.135464504	0.332848571
<i>zwf</i>	-0.604511288	0.277872888	0.029592986	0.124315176
<i>marR</i>	-0.605789534	0.294225114	0.039500743	0.151151183
<i>yfcV</i>	-0.606095812	0.38144622	0.112073552	0.295445386
<i>ispG</i>	-0.606097689	0.473065543	0.200118887	0.423417163
<i>fdoH</i>	-0.607169663	0.596535669	0.308760535	0.548379357
<i>yaaX</i>	-0.608591191	0.528079034	0.249131143	0.484066669
<i>ychJ</i>	-0.610679812	0.405163245	0.131748163	0.326415717
<i>yehR</i>	-0.611996334	0.378092677	0.105524514	0.282870162
<i>yhbQ</i>	-0.612113493	0.428262308	0.15291925	0.362365683
<i>ynaI</i>	-0.613431256	0.426622431	0.150468508	0.358372487
<i>yohJ</i>	-0.61634403	0.284293617	0.030159899	0.126171516

<i>pspC</i>	-0.616680303	0.381098733	0.105627229	0.282957613
<i>queE</i>	-0.617701933	0.517058535	0.232225351	0.464796105
<i>dinB</i>	-0.621410959	0.626178668	0.321009254	0.560818235
<i>yqgF</i>	-0.622507068	0.269521323	0.02090607	0.098300179
<i>lptA</i>	-0.623313397	0.578797376	0.281519924	0.518933632
<i>araJ</i>	-0.62398409	0.569464005	0.273192879	0.510828927
<i>intF</i>	-0.624057321	0.425569085	0.142537545	0.345600041
<i>gtrA</i>	-0.626787387	0.576852504	0.277229372	0.51409048
<i>gltK</i>	-0.627857316	0.321662033	0.050948161	0.176699078
<i>mhpC</i>	-0.628266115	0.612221327	0.304793788	0.544689032
<i>mltD</i>	-0.630290252	0.537177056	0.24066029	0.473693608
<i>ygbF</i>	-0.630758165	0.518775222	0.224038167	0.455638329
<i>ygeG</i>	-0.632708893	0.645766129	0.327194608	0.565931719
<i>ilvM</i>	-0.635204451	0.525910854	0.227117382	0.458207332
<i>yahE</i>	-0.640127566	0.466207591	0.169735981	0.384904479
<i>yjeI</i>	-0.640194906	0.425867956	0.132769201	0.327884315
<i>pphA</i>	-0.640277885	0.374346922	0.087194444	0.25251361
<i>ydiI</i>	-0.640471293	0.356495948	0.072403301	0.221098431
<i>oppA</i>	-0.641994695	0.495965601	0.195515582	0.418281084
<i>yafD</i>	-0.642034732	0.361273928	0.075545034	0.22810419
<i>mioC</i>	-0.642405827	0.617514901	0.298196726	0.537179913
<i>minC</i>	-0.643376311	0.399572435	0.107362516	0.286662354
<i>glyA</i>	-0.643648252	0.557940492	0.248658243	0.483593615
<i>sbmC</i>	-0.645083933	0.526823627	0.220771966	0.451040702
<i>aphA</i>	-0.646400579	0.247291377	0.008950925	0.055936352
<i>hdeA</i>	-0.647694272	0.306926362	0.03483601	0.139403565
<i>paaI</i>	-0.651269569	0.371573584	0.079647716	0.236947552
<i>rimJ</i>	-0.651445059	0.238540966	0.006315076	0.04374322
<i>smg</i>	-0.651602883	0.825703877	0.430025284	0.653463765
<i>ychA</i>	-0.651650611	0.232006068	0.004973188	0.037317395
<i>atpG</i>	-0.65269627	0.7858045	0.406194563	0.635374504
<i>sdiA</i>	-0.652864877	0.571514127	0.253311681	0.489057512
<i>fliJ</i>	-0.652880294	0.505468166	0.196483633	0.418866512
<i>nusG</i>	-0.653198859	0.696872857	0.348589557	0.585320532
<i>yafL</i>	-0.653580228	0.414196603	0.114577819	0.299385538
<i>csgB</i>	-0.655852895	0.388921465	0.091730791	0.258953448
<i>rnhA</i>	-0.656121642	0.257911781	0.01095983	0.064341916
<i>aspC</i>	-0.656226918	0.400449524	0.101270404	0.2761128
<i>napD</i>	-0.657056971	0.47006557	0.162173571	0.374060132
<i>fkpA</i>	-0.657066875	0.486772936	0.177066458	0.39645995
<i>yedR</i>	-0.657354246	0.335463824	0.050049767	0.175087444
<i>fxsA</i>	-0.657618678	0.307990888	0.032745596	0.134070963
<i>yahN</i>	-0.658565427	0.558506161	0.238336394	0.470495854
<i>sodA</i>	-0.659721394	0.593378182	0.266221593	0.503861496
<i>aroL</i>	-0.660160315	0.296623601	0.026042155	0.113936011
<i>gstA</i>	-0.660301994	0.262254126	0.01180922	0.068300604
<i>gstB</i>	-0.663451396	0.329236306	0.043891845	0.161655802
<i>ybaY</i>	-0.668551145	0.379092162	0.077806367	0.233534798
<i>yjhX</i>	-0.668641064	0.678406855	0.324327073	0.563926663

<i>yecN</i>	-0.668894367	0.332119697	0.044007859	0.161655802
<i>yjdK</i>	-0.669521402	0.696063118	0.336115508	0.57363869
<i>intR</i>	-0.67093485	0.476572427	0.15918024	0.369528827
<i>ynfA</i>	-0.671281368	0.330504324	0.042246681	0.158503581
<i>yciO</i>	-0.671827665	0.318036562	0.034650207	0.13918695
<i>cyoC</i>	-0.672570157	0.792489232	0.3960591	0.628247775
<i>mazF</i>	-0.673931522	0.590742	0.253943967	0.489342146
<i>yebC</i>	-0.674325192	0.482416607	0.162171105	0.374060132
<i>ybeY</i>	-0.674425809	0.508133089	0.184421985	0.406392768
<i>ybdZ</i>	-0.676219225	0.594650072	0.255466521	0.491337944
<i>rihA</i>	-0.677042687	0.516113121	0.189584031	0.411900695
<i>manX</i>	-0.677853053	0.262629238	0.009850699	0.059710616
<i>rcaA</i>	-0.678517157	0.301428772	0.024385329	0.108657367
<i>pth</i>	-0.67892585	0.322142507	0.035071435	0.140181567
<i>erfK</i>	-0.680364764	0.242973837	0.005107784	0.03783509
<i>ydgA</i>	-0.682442106	0.251455355	0.006648233	0.045722177
<i>tgt</i>	-0.682551168	0.368520815	0.064006102	0.204748521
<i>sdaC</i>	-0.683150658	0.752048658	0.363674189	0.599779298
<i>iscS</i>	-0.684785337	0.760362392	0.367798959	0.603034196
<i>ybjQ</i>	-0.68594719	0.303082011	0.023620927	0.106664075
<i>frmR</i>	-0.688348246	0.488418385	0.158734245	0.369343025
<i>higB</i>	-0.689275023	0.255617461	0.007007031	0.046911083
<i>ydiV</i>	-0.690728541	0.319250865	0.030495694	0.12678797
<i>secM</i>	-0.692407756	0.442300322	0.117472815	0.30399856
<i>hybO</i>	-0.692767019	0.801392942	0.387338755	0.621250121
<i>cmoA</i>	-0.694015811	0.380516951	0.06817079	0.213152669
<i>yjeO</i>	-0.695863275	0.413508939	0.09240893	0.259280599
<i>rpoB</i>	-0.696067655	0.766700182	0.363944455	0.599779298
<i>lipA</i>	-0.697469579	0.42319008	0.0993273	0.272593005
<i>amiA</i>	-0.69781351	0.257233338	0.006672447	0.045810663
<i>mntP</i>	-0.698722846	0.521642908	0.180419074	0.400413305
<i>mtfA</i>	-0.699089413	0.237425678	0.003235232	0.028208704
<i>speG</i>	-0.69919227	0.247244071	0.004684807	0.035819253
<i>ydjH</i>	-0.700006847	0.521903093	0.179836609	0.399854937
<i>ynfD</i>	-0.700772996	0.432247201	0.104967891	0.281752245
<i>gyrA</i>	-0.701113238	0.7168364	0.328041732	0.566426207
<i>apt</i>	-0.701857695	0.442073296	0.112365492	0.295710228
<i>crcB</i>	-0.702406025	0.364598151	0.054039342	0.183943357
<i>yffB</i>	-0.703833266	0.382167173	0.065520583	0.207672124
<i>yafW</i>	-0.704310285	0.266868124	0.008310935	0.053003546
<i>flgM</i>	-0.7043287	0.365412656	0.053918777	0.183781364
<i>nrdR</i>	-0.70472077	0.414405787	0.089026156	0.255835955
<i>yjeN</i>	-0.705095622	0.347413703	0.042401675	0.158937382
<i>ydgK</i>	-0.707301196	0.334289581	0.034358945	0.138568493
<i>gmhB</i>	-0.707850933	0.6377388	0.267025471	0.504628016
<i>yjbT</i>	-0.707981156	0.792549098	0.371698533	0.606526668
<i>maeA</i>	-0.710274466	0.421828271	0.092220317	0.259257256
<i>lpxP</i>	-0.710957227	0.374876526	0.057892587	0.191882081
<i>slyD</i>	-0.711170191	0.771152664	0.356415334	0.592896394

<i>narP</i>	-0.711508687	0.749948403	0.342751075	0.579121896
<i>yfbO</i>	-0.71159569	0.332529923	0.032359225	0.132693978
<i>fdx</i>	-0.711757294	0.64123643	0.267009203	0.504628016
<i>rutC</i>	-0.711957771	0.321083255	0.026598372	0.115958563
<i>udk</i>	-0.713919594	0.382370964	0.061889535	0.199213425
<i>rimL</i>	-0.714995856	0.436863777	0.101702303	0.276665901
<i>ygiM</i>	-0.715411213	0.321710643	0.026163768	0.11431075
<i>ydqH</i>	-0.718877777	0.388881078	0.064518485	0.205711948
<i>dedA</i>	-0.719188247	0.263370697	0.00631986	0.04374322
<i>fdoI</i>	-0.721461209	0.486910901	0.138417225	0.33825081
<i>zapC</i>	-0.721645797	0.242269212	0.002894799	0.0260855
<i>sseA</i>	-0.723245863	0.348948248	0.038205324	0.148302783
<i>ycdX</i>	-0.723427813	0.307524477	0.018651525	0.092338281
<i>kdsB</i>	-0.723879659	0.553314489	0.190784864	0.411983443
<i>cfa</i>	-0.725774257	0.225944176	0.0013173	0.015158485
<i>nlpC</i>	-0.728750889	0.296903908	0.014108034	0.07801936
<i>aroD</i>	-0.729416593	0.3881643	0.060224842	0.195868482
<i>yahD</i>	-0.729833166	0.274734728	0.007895614	0.051041494
<i>rseB</i>	-0.730129182	0.60047243	0.224013657	0.455638329
<i>hslJ</i>	-0.732296394	0.283238435	0.009725439	0.059467689
<i>znuA</i>	-0.732965674	0.255164017	0.004072025	0.032628631
<i>fliZ</i>	-0.733564151	0.570421264	0.19844159	0.422057811
<i>yfeZ</i>	-0.735117237	0.643415406	0.253236474	0.489057512
<i>elaB</i>	-0.735451969	0.387607819	0.057773501	0.191802322
<i>yeaP</i>	-0.73606903	0.234514294	0.001697015	0.018317781
<i>nth</i>	-0.736447329	0.35025865	0.035502375	0.141472322
<i>adhE</i>	-0.73785039	0.526047357	0.160726869	0.372049524
<i>ysaB</i>	-0.7383025	0.631959113	0.242695558	0.475456948
<i>frdA</i>	-0.7385024	0.719188643	0.304488782	0.544689032
<i>mprA</i>	-0.738555385	0.428733846	0.084953093	0.247717609
<i>efp</i>	-0.738596583	0.719109571	0.30437394	0.544689032
<i>pnp</i>	-0.740758818	0.747511642	0.321702055	0.561240793
<i>yfgM</i>	-0.741087316	0.270658983	0.006179809	0.043312308
<i>ibpB</i>	-0.74138216	0.40088813	0.0644074	0.205543614
<i>ydbL</i>	-0.742876719	0.336407808	0.027225986	0.117930585
<i>lptE</i>	-0.748806122	0.605224646	0.215999233	0.444665428
<i>ptsN</i>	-0.748964484	0.531824811	0.159044703	0.36942662
<i>ydaT</i>	-0.750507824	0.628990078	0.232793007	0.465470713
<i>ydfH</i>	-0.750786294	0.230011429	0.001098023	0.013555716
<i>lacY</i>	-0.752334366	0.571724878	0.18820667	0.410760621
<i>grpE</i>	-0.752339693	0.297130159	0.011340732	0.066048353
<i>ppiA</i>	-0.752658903	0.507698875	0.138209754	0.338153197
<i>yiiS</i>	-0.752759223	0.643875105	0.242360317	0.475456948
<i>sseB</i>	-0.752946295	0.267481425	0.004878513	0.03695039
<i>yagU</i>	-0.754804981	0.36564179	0.038986526	0.149608939
<i>yajI</i>	-0.756023219	0.326528565	0.020594572	0.097582495
<i>cbl</i>	-0.759147958	0.496156068	0.126002176	0.317337143
<i>hisJ</i>	-0.760754251	0.449584943	0.090622003	0.258179976
<i>rpiA</i>	-0.761443035	0.361991713	0.035423661	0.141309605

<i>yagM</i>	-0.762013718	0.266536064	0.004250436	0.033383286
<i>upp</i>	-0.763746123	0.626650499	0.222929505	0.454232688
<i>fabG</i>	-0.764629405	0.710319387	0.281722212	0.518933632
<i>mqsA</i>	-0.765175263	0.273042946	0.00507241	0.037711093
<i>yghG</i>	-0.765198992	0.250578141	0.002260124	0.022190741
<i>lolA</i>	-0.766067317	0.432214838	0.076324444	0.230113354
<i>yegJ</i>	-0.766832037	0.361885879	0.034091434	0.137902925
<i>uspB</i>	-0.76815894	0.757065697	0.310271291	0.54985303
<i>yidQ</i>	-0.768598596	0.648755643	0.23612524	0.467731891
<i>gloA</i>	-0.772926962	0.295433115	0.008890137	0.055815684
<i>yeaK</i>	-0.775048137	0.417620125	0.063472269	0.203524663
<i>rraA</i>	-0.776832825	0.782712987	0.320959794	0.560818235
<i>rsd</i>	-0.777943108	0.49079093	0.112948057	0.29666318
<i>yfdS</i>	-0.779973901	0.342803114	0.022888993	0.104884069
<i>fliY</i>	-0.780186135	0.248320119	0.001678804	0.01826774
<i>btuE</i>	-0.781588293	0.393964865	0.047266593	0.168713738
<i>yniB</i>	-0.781628486	0.238245244	0.001035231	0.012898856
<i>ybhL</i>	-0.782255311	0.637031981	0.219458731	0.449723299
<i>yfbU</i>	-0.783601822	0.401180479	0.050791144	0.176404667
<i>ybdF</i>	-0.784681687	0.373754183	0.035776434	0.142015205
<i>aldA</i>	-0.785897792	0.379011295	0.038121388	0.148195724
<i>lrhA</i>	-0.786070681	0.798065076	0.324638485	0.563926663
<i>arcA</i>	-0.78613852	0.814545981	0.334482311	0.57198625
<i>eco</i>	-0.787899636	0.255758449	0.002065564	0.020605006
<i>ybaK</i>	-0.78832002	0.309310247	0.010814432	0.064108461
<i>yagL</i>	-0.788548718	0.376706888	0.03632518	0.143207765
<i>ytca</i>	-0.789146978	0.392600368	0.044425733	0.162304692
<i>deoR</i>	-0.789390517	0.509470516	0.121277625	0.309872007
<i>yfcL</i>	-0.791869315	0.362443628	0.028903013	0.122435953
<i>atpA</i>	-0.791889488	0.936593241	0.39783179	0.629822328
<i>pspG</i>	-0.792626923	0.483493243	0.101135104	0.276103582
<i>hypA</i>	-0.793211293	0.280078053	0.004624223	0.035423126
<i>sufC</i>	-0.79497392	0.670240248	0.235581655	0.467572833
<i>pykF</i>	-0.796420387	0.462464619	0.085047463	0.247717609
<i>yciT</i>	-0.800819288	0.39696423	0.043658082	0.161251306
<i>nfuA</i>	-0.801353148	0.626628497	0.2009559	0.424378054
<i>ftnB</i>	-0.802244798	0.241263908	0.000883629	0.011498307
<i>fabF</i>	-0.802377908	0.605410121	0.185056405	0.406981289
<i>yebE</i>	-0.802442827	0.52180222	0.124090318	0.313911887
<i>hiuH</i>	-0.802948397	0.388783021	0.038895883	0.149403119
<i>pliG</i>	-0.804466703	0.384643426	0.036486764	0.143704455
<i>dgkA</i>	-0.804892932	0.510759435	0.115054655	0.300322628
<i>rstA</i>	-0.805079681	0.344323757	0.019379605	0.093920128
<i>sixA</i>	-0.805572766	0.466521542	0.084209994	0.246881442
<i>yhaH</i>	-0.806440125	0.468771527	0.085373092	0.248307761
<i>iraM</i>	-0.80913826	0.641474974	0.207175026	0.433446977
<i>dsbB</i>	-0.80931078	0.310762989	0.009207015	0.057007238
<i>yicR</i>	-0.809718811	0.559041453	0.14750363	0.352976973
<i>atpI</i>	-0.809729933	0.518378062	0.118277355	0.305102671

<i>ykfM</i>	-0.810717911	0.233382615	0.000513198	0.008061396
<i>rhaM</i>	-0.811621926	0.309016779	0.008627672	0.054336839
<i>nuoE</i>	-0.813599503	0.61890382	0.188650596	0.410778023
<i>atpC</i>	-0.813676918	0.730349244	0.265239328	0.502808599
<i>rcnB</i>	-0.814415596	0.372718758	0.028883907	0.122435953
<i>yahC</i>	-0.814637686	0.511756882	0.111419514	0.294179579
<i>pal</i>	-0.816213969	0.6512277	0.210079627	0.437008586
<i>eutN</i>	-0.818618492	0.511870517	0.109760913	0.29113325
<i>yahA</i>	-0.820613546	0.347130869	0.018079351	0.091119026
<i>clpX</i>	-0.82191392	0.514402997	0.110087143	0.29123741
<i>yhcO</i>	-0.825292813	0.41390176	0.046159262	0.165639948
<i>flhC</i>	-0.82569048	0.408548953	0.04327646	0.160428896
<i>pflB</i>	-0.826485418	0.681914835	0.225509777	0.456624913
<i>yeaY</i>	-0.829288608	0.322348213	0.010092368	0.060632909
<i>pdxH</i>	-0.832642353	0.301875546	0.005811519	0.041597702
<i>evgA</i>	-0.833570431	0.493175189	0.090987478	0.258953448
<i>ycgX</i>	-0.835265648	0.27531604	0.0024146	0.023264299
<i>mdaB</i>	-0.835638077	0.276655789	0.002523599	0.023858946
<i>yjfy</i>	-0.835876565	0.701185921	0.233226047	0.465856377
<i>tufA</i>	-0.836165962	0.845327413	0.322583767	0.562293034
<i>purA</i>	-0.837219739	0.802153925	0.296617467	0.535475176
<i>rlmE</i>	-0.83855582	0.700146713	0.231039335	0.46334118
<i>greB</i>	-0.83971378	0.291065124	0.003914525	0.031925129
<i>rsxB</i>	-0.840820146	0.463656141	0.069761474	0.215971681
<i>ptsI</i>	-0.841016779	0.668373465	0.208281957	0.434764354
<i>yqfB</i>	-0.841999529	0.456374228	0.06504102	0.206435222
<i>ydiE</i>	-0.842027551	0.655543669	0.19897682	0.422159366
<i>clpA</i>	-0.842044535	0.702700586	0.23080112	0.4630935
<i>ibpA</i>	-0.843207554	0.697788878	0.22689373	0.458207332
<i>folE</i>	-0.843516173	0.35777432	0.018389702	0.091766657
<i>yebY</i>	-0.843635242	0.593831948	0.155414673	0.365489836
<i>yobD</i>	-0.844951274	0.272538558	0.001933248	0.019708386
<i>yedK</i>	-0.845491276	0.485760749	0.081762343	0.241635854
<i>gpr</i>	-0.846951113	0.533160117	0.11216219	0.295445386
<i>ybhB</i>	-0.847675516	0.294149952	0.003954354	0.03199144
<i>yggU</i>	-0.848055794	0.499103438	0.089289344	0.256009292
<i>fliE</i>	-0.849903597	0.336087044	0.011444674	0.0663824
<i>ybjX</i>	-0.855794223	0.364324528	0.018824475	0.092338281
<i>sufE</i>	-0.857458705	0.360426777	0.017359231	0.08870787
<i>sfsA</i>	-0.858884869	0.608806451	0.158312931	0.369343025
<i>ydiL</i>	-0.86322557	0.275579023	0.001733795	0.018464291
<i>ykgE</i>	-0.863594943	0.392425773	0.02776024	0.119603081
<i>yajQ</i>	-0.863855406	0.394815312	0.028669694	0.121703001
<i>gcvH</i>	-0.864045045	0.452065148	0.055962366	0.187953471
<i>folA</i>	-0.864623132	0.491516809	0.078561937	0.234581761
<i>recX</i>	-0.864870203	0.477391279	0.070038904	0.216167474
<i>msyB</i>	-0.865060145	0.403404002	0.032000731	0.131689042
<i>agp</i>	-0.865179816	0.546429829	0.11334582	0.297514354
<i>lacZ</i>	-0.867625024	0.596646494	0.145899369	0.349967769

<i>secE</i>	-0.871317029	0.712726618	0.22151397	0.452327717
<i>rho</i>	-0.874865287	0.760252521	0.249832557	0.484450976
<i>eno</i>	-0.876078181	0.614497953	0.153960385	0.363526107
<i>ypeC</i>	-0.88459903	0.334362992	0.00815402	0.052085091
<i>pepD</i>	-0.88559241	0.319474553	0.005570824	0.040016757
<i>ackA</i>	-0.88563412	0.61908129	0.152555808	0.361931946
<i>cusF</i>	-0.888104789	0.378844854	0.019065692	0.092956762
<i>ybcV</i>	-0.888134245	0.456875061	0.0519036	0.179242802
<i>uspF</i>	-0.88825748	0.582014088	0.126965377	0.318755738
<i>yccJ</i>	-0.889389825	0.529091259	0.092767533	0.259660471
<i>yqeK</i>	-0.889993581	0.47343376	0.060125896	0.195868482
<i>folX</i>	-0.891346531	0.445068958	0.045207827	0.164019302
<i>yhhH</i>	-0.892791164	0.440959025	0.042902507	0.159762217
<i>yfiL</i>	-0.893942919	0.77298759	0.247485811	0.481726239
<i>ykfB</i>	-0.894762811	0.346507557	0.009816365	0.059681723
<i>mdh</i>	-0.895710147	0.813641856	0.270955254	0.508372098
<i>stpA</i>	-0.899438627	0.335090989	0.007271178	0.048019975
<i>yjcB</i>	-0.901181564	0.726912228	0.215071883	0.443446489
<i>yebB</i>	-0.901780451	0.603876342	0.135353515	0.332848571
<i>sieB</i>	-0.902771876	0.373574956	0.015667301	0.082489419
<i>ribC</i>	-0.90824709	0.289310637	0.001693236	0.018317781
<i>aroG</i>	-0.908876368	0.468053759	0.052158838	0.179816593
<i>phoP</i>	-0.910722155	0.59933409	0.128622418	0.321118553
<i>cyoE</i>	-0.910877747	0.774279666	0.239427258	0.471496507
<i>mutT</i>	-0.914198244	0.265085077	0.000563297	0.0087346
<i>ribE</i>	-0.914272448	0.589757062	0.121080887	0.309565258
<i>yfcE</i>	-0.916401193	0.303316488	0.002517163	0.023858946
<i>can</i>	-0.917090683	0.602154988	0.127755117	0.31982398
<i>yiaW</i>	-0.918837965	0.50146097	0.066903462	0.210678063
<i>insA</i>	-0.919262628	0.821822544	0.263325402	0.50049183
<i>ybfE</i>	-0.920708887	0.712052708	0.195999044	0.418866512
<i>trpR</i>	-0.92286969	0.458486851	0.044129395	0.16181113
<i>ymgD</i>	-0.925908097	0.314118658	0.003202118	0.028041105
<i>deaD</i>	-0.930047163	0.772866624	0.228831843	0.460286074
<i>serS</i>	-0.93243011	0.611902924	0.127553602	0.31982398
<i>yacC</i>	-0.932690198	0.560701274	0.096225366	0.266617571
<i>tolC</i>	-0.933663481	0.662924454	0.159012356	0.36942662
<i>ariR</i>	-0.935273972	0.620595079	0.131795298	0.326415717
<i>xseB</i>	-0.938398973	0.719268227	0.192009364	0.412968461
<i>yafO</i>	-0.943240669	0.394541954	0.016815217	0.0865855
<i>cyoB</i>	-0.943589868	0.61373894	0.124184372	0.313911887
<i>ybcJ</i>	-0.944579948	0.40795198	0.020589988	0.097582495
<i>yciE</i>	-0.946326794	0.339664062	0.005335186	0.038737674
<i>ycjD</i>	-0.948348681	0.350475037	0.006812056	0.046515543
<i>fliQ</i>	-0.949078169	0.496437794	0.055904852	0.187953471
<i>hicB</i>	-0.951833028	0.331209186	0.004055499	0.032625037
<i>yjgA</i>	-0.953066475	0.290347709	0.001028908	0.012859762
<i>ratB</i>	-0.953314291	0.672037999	0.156032514	0.365719093
<i>ykgH</i>	-0.953401149	0.396916076	0.016304728	0.084658051

<i>csqF</i>	-0.955783842	0.395714005	0.01572053	0.08263513
<i>secB</i>	-0.961697808	0.677149715	0.155545259	0.365489836
<i>ybjN</i>	-0.967027244	0.673257031	0.150905094	0.358988723
<i>ydaQ</i>	-0.967273181	0.365387442	0.00811485	0.052014371
<i>ecpR</i>	-0.967619215	0.260373088	0.000202178	0.004094847
<i>yidD</i>	-0.96790188	0.672683683	0.150188408	0.358127941
<i>yibL</i>	-0.968119063	0.310509726	0.001821828	0.019031654
<i>fadR</i>	-0.973652202	0.228369631	0.0000201	0.000766483
<i>yajD</i>	-0.974266742	0.758645103	0.199065207	0.422159366
<i>rppH</i>	-0.975206755	0.522947471	0.062205606	0.199780455
<i>yiaG</i>	-0.977762094	0.649425521	0.132175019	0.327155457
<i>aroK</i>	-0.982101902	0.592347418	0.097320914	0.269098993
<i>greA</i>	-0.984845436	0.577903581	0.088349497	0.254944188
<i>yehS</i>	-0.989147994	0.261386825	0.000154185	0.003346475
<i>ylaC</i>	-0.989258289	0.65301129	0.129793275	0.323268421
<i>tusA</i>	-0.989521765	0.48169641	0.039952121	0.152300955
<i>yegP</i>	-0.98967946	0.291203924	0.00067737	0.009842458
<i>dadA</i>	-0.991892235	0.706859884	0.160546055	0.37184419
<i>ycfP</i>	-0.994221799	0.608053485	0.102030311	0.276900479
<i>mgsA</i>	-0.996518084	0.498775949	0.045724543	0.164880193
<i>nudJ</i>	-0.996881289	0.562258518	0.076229609	0.229999203
<i>bcsF</i>	-0.997952298	0.44062953	0.02352293	0.106459717
<i>clpP</i>	-0.998852446	0.684867403	0.144713498	0.34878113
<i>dicA</i>	-0.998949011	0.551966632	0.070326864	0.216559535
<i>rbsK</i>	-1.000992187	0.799875577	0.210775862	0.43788123
<i>argR</i>	-1.00211155	0.774438933	0.195670965	0.418391783
<i>ndk</i>	-1.003534613	0.336817767	0.002887582	0.026078676
<i>yciU</i>	-1.005515843	0.372840252	0.006998661	0.046911083
<i>rnlB</i>	-1.005722708	0.649878276	0.121729349	0.310436755
<i>paaB</i>	-1.006907013	0.423957904	0.017548166	0.089330411
<i>cyaY</i>	-1.006930922	0.502811444	0.045220085	0.164019302
<i>sfsB</i>	-1.009401561	0.481930742	0.036215902	0.143138693
<i>yciH</i>	-1.009441612	0.552126483	0.067507593	0.211919246
<i>yahM</i>	-1.009527547	0.426389596	0.017903025	0.090343142
<i>yqfA</i>	-1.009839676	0.557562616	0.07011482	0.216236461
<i>pspF</i>	-1.010436925	0.352194956	0.004118103	0.03269036
<i>fumA</i>	-1.016208347	0.420128662	0.015571683	0.082389102
<i>ykgD</i>	-1.017078852	0.236313832	0.0000168	0.000657649
<i>metJ</i>	-1.017123603	0.626995385	0.104756541	0.281372027
<i>atpF</i>	-1.017799292	0.729146844	0.162751545	0.374588361
<i>ycgJ</i>	-1.0209965	0.432397848	0.018213779	0.091523534
<i>ppiC</i>	-1.021350485	0.452056667	0.023862137	0.107267742
<i>tsx</i>	-1.022299763	0.807544538	0.205535969	0.430504185
<i>ccmD</i>	-1.022929234	0.458850474	0.02579194	0.113422727
<i>yaaI</i>	-1.025664095	0.262630244	0.0000941	0.00228814
<i>csqC</i>	-1.026783799	0.3878818	0.00811718	0.052014371
<i>pgk</i>	-1.02731084	0.792590108	0.19492591	0.417462016
<i>yphA</i>	-1.027442182	0.367951384	0.005232974	0.038225217
<i>ribA</i>	-1.027705467	0.305592255	0.000771015	0.010693737

<i>marA</i>	-1.027726526	0.302864444	0.000690421	0.009918973
<i>ymdF</i>	-1.030473279	0.330953344	0.001847878	0.019127906
<i>seqA</i>	-1.030608878	0.704329839	0.143399667	0.34654665
<i>rimP</i>	-1.034742736	0.786612635	0.188361638	0.410760621
<i>lpd</i>	-1.036460978	0.790417985	0.189762464	0.411900695
<i>acnB</i>	-1.041758884	0.790040793	0.187298177	0.41004487
<i>yhcN</i>	-1.042661919	0.711496907	0.142798653	0.345776498
<i>sucB</i>	-1.042946288	0.904118926	0.248684752	0.483593615
<i>yggX</i>	-1.043167913	0.458611631	0.02292864	0.104946623
<i>ydfK</i>	-1.044977203	1.24579394	0.401579187	0.632283611
<i>lacA</i>	-1.045157255	0.457166871	0.022244818	0.102748661
<i>insB1</i>	-1.048610625	0.779612609	0.178612118	0.398814779
<i>yeeD</i>	-1.050114944	0.583389404	0.071856845	0.219970586
<i>yccX</i>	-1.0510946	0.520300601	0.043365969	0.160613227
<i>yhfA</i>	-1.056659371	0.754448586	0.161342176	0.373046027
<i>mdtJ</i>	-1.057763898	0.310143913	0.0006483	0.00965752
<i>fldB</i>	-1.061528974	0.603787117	0.078727441	0.234902201
<i>ygcO</i>	-1.064143657	0.789771324	0.177849087	0.397550811
<i>yfgJ</i>	-1.064573713	0.692357382	0.12414468	0.313911887
<i>mliC</i>	-1.064979964	0.348326236	0.002232505	0.022089757
<i>ymgA</i>	-1.066492235	0.367546356	0.003711987	0.030971664
<i>atpB</i>	-1.069813156	0.883761017	0.22607822	0.457024423
<i>def</i>	-1.071408836	0.56983563	0.060079897	0.195868482
<i>crl</i>	-1.072519212	0.30963158	0.000532491	0.008332046
<i>rutR</i>	-1.075983688	0.585424059	0.066068883	0.209028276
<i>ypjF</i>	-1.076363554	0.627892959	0.086483392	0.250814262
<i>yijD</i>	-1.079024493	0.580650285	0.063125919	0.202574987
<i>yfeD</i>	-1.080499094	0.317104286	0.000655865	0.009698134
<i>pck</i>	-1.082216259	0.871877102	0.214513915	0.443099451
<i>deoB</i>	-1.087471397	0.835601722	0.193113665	0.414472668
<i>osmC</i>	-1.091689257	0.265209743	0.0000385	0.001223697
<i>ycbL</i>	-1.095789479	0.634237986	0.084037354	0.246686533
<i>deoC</i>	-1.099563057	0.791928494	0.164996241	0.378245215
<i>ydiT</i>	-1.101875344	0.380155435	0.003749686	0.031019433
<i>yoaB</i>	-1.102985242	0.272078164	0.0000504	0.001495019
<i>yqhH</i>	-1.10414768	0.414174457	0.007678253	0.04991519
<i>bfd</i>	-1.105795514	0.38253524	0.00384382	0.031475661
<i>sucA</i>	-1.106673456	0.826925504	0.180799035	0.400808423
<i>talB</i>	-1.108210734	0.803168002	0.167648415	0.381939419
<i>yafP</i>	-1.108220114	0.42603603	0.009288862	0.057338128
<i>yfiM</i>	-1.112808104	0.778634849	0.152952966	0.362365683
<i>pspD</i>	-1.11328225	0.628824094	0.076657333	0.230944518
<i>glnK</i>	-1.115697862	0.59589786	0.061165505	0.198174274
<i>yaiY</i>	-1.115895609	0.308125969	0.000292836	0.005372707
<i>trxC</i>	-1.116572025	0.513894984	0.029798157	0.125046943
<i>yegR</i>	-1.117070478	0.393091662	0.004486585	0.03469798
<i>ydcY</i>	-1.118102072	0.622500007	0.072471	0.221137889
<i>yifE</i>	-1.120758721	0.854735194	0.189778373	0.411900695
<i>ppa</i>	-1.121219577	0.71519845	0.116950193	0.303169594

<i>dapA</i>	-1.121799502	0.698365082	0.108203082	0.28832729
<i>yhhL</i>	-1.12318095	0.46147217	0.014936778	0.080722588
<i>ykfI</i>	-1.124244981	0.631449225	0.075007212	0.227159876
<i>yahO</i>	-1.130191316	0.278749023	0.0000502	0.001495019
<i>yoeB</i>	-1.131498992	0.724299506	0.118241432	0.305102671
<i>ybiJ</i>	-1.134145496	0.434266879	0.009011106	0.056225402
<i>csrC</i>	-1.137321804	1.006600929	0.258533681	0.494879313
<i>ygbE</i>	-1.137554323	0.412530644	0.005824475	0.041616647
<i>glnH</i>	-1.140504393	0.491986841	0.020440607	0.097582495
<i>cutC</i>	-1.145341862	0.337078341	0.000679175	0.009842458
<i>nudB</i>	-1.145575625	0.627500472	0.06790795	0.212750949
<i>yehN</i>	-1.146725635	0.29007717	0.0000771	0.002008634
<i>lrp</i>	-1.155304933	0.686306422	0.092304251	0.259280599
<i>ykqJ</i>	-1.159651639	0.233019007	0.000000647	0.0000522
<i>uidR</i>	-1.167286906	0.569814221	0.040507172	0.153402862
<i>pspB</i>	-1.168691847	0.374603007	0.00180965	0.019013967
<i>ydhR</i>	-1.1713609	0.478121376	0.014288648	0.078802285
<i>ycgY</i>	-1.172929028	0.277295766	0.0000234	0.000850358
<i>iraP</i>	-1.175428103	0.426398131	0.005839779	0.041652273
<i>mldD</i>	-1.176332517	0.754103451	0.118781464	0.306207388
<i>ygiZ</i>	-1.178800646	0.328917404	0.000338527	0.006020414
<i>yagN</i>	-1.181603808	0.314068127	0.000168389	0.003559094
<i>ygdI</i>	-1.182862947	0.860883452	0.169438406	0.384714762
<i>cspF</i>	-1.189842528	0.753163601	0.114154297	0.298665519
<i>yehK</i>	-1.190257232	0.587224523	0.042670577	0.159578802
<i>grxB</i>	-1.190930117	0.592911024	0.044577954	0.162713563
<i>ybaB</i>	-1.194759225	0.510173689	0.019187521	0.093250315
<i>mcbA</i>	-1.201361364	0.455618315	0.00836992	0.053211604
<i>panD</i>	-1.203021367	0.386489587	0.001853921	0.019141379
<i>atpH</i>	-1.203806486	0.793791755	0.129386194	0.322626352
<i>prlF</i>	-1.205398136	0.737067976	0.101966027	0.276900479
<i>mipA</i>	-1.20584129	0.574745824	0.035901372	0.142092
<i>yecR</i>	-1.210334338	0.542526961	0.025686418	0.113301556
<i>yqjC</i>	-1.213763761	0.469945359	0.009800883	0.059677475
<i>rayT</i>	-1.214881051	0.262339606	0.00000364	0.000190838
<i>ridA</i>	-1.215669725	0.71839363	0.090606779	0.258179976
<i>rrfE</i>	-1.218085233	1.190131219	0.306077086	0.546075795
<i>rcsB</i>	-1.219467735	0.605038898	0.043850238	0.161655802
<i>chpS</i>	-1.22810363	0.645353801	0.057041486	0.190726867
<i>fryB</i>	-1.229778838	0.296571139	0.0000337	0.001116345
<i>asr</i>	-1.23230877	0.349927787	0.000428937	0.007108318
<i>ytfP</i>	-1.232483205	0.790865012	0.119138705	0.306541079
<i>ydcD</i>	-1.232526734	0.401863373	0.002161977	0.021444472
<i>yefM</i>	-1.2343333	0.521112305	0.01785308	0.09020386
<i>gpt</i>	-1.234653742	0.479511675	0.010029378	0.060430746
<i>ydbJ</i>	-1.235583728	0.708373116	0.081114542	0.240137904
<i>gltI</i>	-1.235900451	0.587363656	0.035365481	0.14121706
<i>ompF</i>	-1.239580998	0.817296642	0.129346406	0.322626352
<i>yobA</i>	-1.240445051	0.453582939	0.006242386	0.043599503

<i>ynjH</i>	-1.244213053	0.676671392	0.065955547	0.208833367
<i>ucpA</i>	-1.244472704	0.741321067	0.093206047	0.260263306
<i>ydiZ</i>	-1.246136708	0.302537517	0.0000381	0.001223697
<i>yihD</i>	-1.246351962	0.566834816	0.027892703	0.119999014
<i>gmk</i>	-1.246576814	0.772301309	0.106504257	0.284740189
<i>yfdY</i>	-1.246579756	1.017445597	0.220497871	0.450708814
<i>yghW</i>	-1.246713403	0.685698342	0.069038767	0.214654492
<i>yqjK</i>	-1.249621915	0.688414822	0.069490651	0.215298357
<i>bolA</i>	-1.255482987	0.644844365	0.051540125	0.178445527
<i>rbsC</i>	-1.256223848	0.846717406	0.13790444	0.33761081
<i>lsrG</i>	-1.260341481	0.374971322	0.000776137	0.010693737
<i>ybbC</i>	-1.263020046	0.527093012	0.016566068	0.085520737
<i>ykfH</i>	-1.263898801	0.432614616	0.00348311	0.029773896
<i>yehE</i>	-1.264488469	0.835738833	0.130274913	0.323774577
<i>ymgI</i>	-1.267720243	0.560061229	0.023602504	0.106664075
<i>iscR</i>	-1.269615495	0.541952473	0.019146338	0.093237354
<i>yaaY</i>	-1.273870094	0.629015785	0.0428489	0.159762217
<i>ynfM</i>	-1.274430297	0.441704609	0.003910971	0.031925129
<i>yebO</i>	-1.275736422	0.679584877	0.060486718	0.196448014
<i>accB</i>	-1.276615847	0.66171621	0.053699862	0.183570551
<i>yaeP</i>	-1.280864934	0.822604799	0.119450496	0.306952039
<i>groS</i>	-1.286349816	0.502230203	0.010428868	0.062280087
<i>adk</i>	-1.287026849	0.645087189	0.04602971	0.165322009
<i>moaD</i>	-1.290225661	0.449472309	0.004097788	0.03268949
<i>rbsA</i>	-1.292715318	0.787467827	0.100670786	0.275344149
<i>queD</i>	-1.293156698	0.248241568	0.00000019	0.0000194
<i>dcuA</i>	-1.294298046	0.963201871	0.179030744	0.399278821
<i>bamD</i>	-1.295638771	0.776778656	0.095322889	0.265026518
<i>uxaB</i>	-1.296962665	0.61330057	0.034453306	0.138671982
<i>fabI</i>	-1.29947116	0.651015021	0.04592637	0.165097734
<i>eutS</i>	-1.300754493	0.403518477	0.001266204	0.0147736
<i>ypjJ</i>	-1.302010106	0.62329957	0.036716779	0.144328758
<i>yjeT</i>	-1.302519172	0.554875141	0.018904466	0.092369789
<i>yqiB</i>	-1.305517166	0.592848233	0.027657522	0.119308274
<i>tusE</i>	-1.305807766	0.392298172	0.000872804	0.011498307
<i>ybiA</i>	-1.31107669	0.391477376	0.000810896	0.010948455
<i>ilvN</i>	-1.318800903	0.706132025	0.061812171	0.199213425
<i>frdD</i>	-1.323393046	0.783213919	0.091086222	0.258953448
<i>hybG</i>	-1.326531594	0.94170405	0.158938629	0.36942662
<i>rpoH</i>	-1.32743225	0.87131873	0.127639925	0.31982398
<i>nrdH</i>	-1.327945792	0.366023376	0.000285586	0.005270004
<i>rnk</i>	-1.329110035	0.680121023	0.050674522	0.176404667
<i>ykgI</i>	-1.33264255	0.333027697	0.0000629	0.00177618
<i>yjbL</i>	-1.333643764	0.746581568	0.074045255	0.224921514
<i>secG</i>	-1.335690212	0.734084086	0.068830154	0.214569369
<i>mazE</i>	-1.33681944	0.365649354	0.000256167	0.004832451
<i>rrfB</i>	-1.338527941	1.21318466	0.269889283	0.507472303
<i>frdB</i>	-1.347035701	0.98222476	0.17024628	0.384904479
<i>yceK</i>	-1.348722939	0.666855381	0.043123496	0.160155984

<i>ydeI</i>	-1.350346113	0.401098506	0.000760956	0.010629681
<i>slyB</i>	-1.352223036	0.81104147	0.095461238	0.265097448
<i>dps</i>	-1.353022942	0.714266126	0.058187315	0.192070474
<i>yiiE</i>	-1.354553354	0.555896941	0.014822024	0.080642196
<i>sdhB</i>	-1.360514744	0.719391824	0.058597479	0.192636827
<i>yibN</i>	-1.361230298	0.894061704	0.127877866	0.319853125
<i>ydfO</i>	-1.362088818	0.445628297	0.00223894	0.022099271
<i>yacG</i>	-1.370115155	0.545897329	0.012078575	0.069361603
<i>iscA</i>	-1.371547582	0.744768817	0.065537351	0.207672124
<i>ydhO</i>	-1.372039965	0.68484794	0.045131928	0.163994234
<i>cmk</i>	-1.372843914	0.740393103	0.063709196	0.20412224
<i>ydqC</i>	-1.373737703	0.414151516	0.000909919	0.011715654
<i>yeaO</i>	-1.375577814	0.331214933	0.0000328	0.00111259
<i>mdtI</i>	-1.377472784	0.603351024	0.022428182	0.103241243
<i>yrhB</i>	-1.390499442	0.312355032	0.00000852	0.000378004
<i>cyoA</i>	-1.398387981	0.860445136	0.104121796	0.280413402
<i>rpoS</i>	-1.400018772	0.847621056	0.098594983	0.271356895
<i>ydhI</i>	-1.403988027	0.367232636	0.000131754	0.002971454
<i>osmE</i>	-1.405033189	0.834276385	0.092155783	0.259257256
<i>flxA</i>	-1.407263358	0.253919647	2.99E-08	0.00000503
<i>gltA</i>	-1.407546313	0.929149603	0.129803842	0.323268421
<i>yneG</i>	-1.407956319	0.480155615	0.003364706	0.028900673
<i>ybaQ</i>	-1.411185526	0.283918183	0.000000668	0.0000529
<i>ycgZ</i>	-1.412601016	0.344352158	0.0000409	0.00127549
<i>frr</i>	-1.415375731	0.684395583	0.038633749	0.148963176
<i>yecJ</i>	-1.423841933	0.382979376	0.000200963	0.004094847
<i>yebG</i>	-1.42443681	0.430425927	0.000935076	0.011945893
<i>ybfK</i>	-1.433322024	0.743174247	0.053774493	0.183570551
<i>ybjC</i>	-1.438168802	0.301317544	0.00000182	0.000111055
<i>yjbD</i>	-1.443487216	0.761764313	0.058102169	0.192070474
<i>rpoZ</i>	-1.444751609	0.481026979	0.002669171	0.024828212
<i>gapA</i>	-1.445409265	0.852961494	0.090155619	0.257875425
<i>yggL</i>	-1.44980512	0.753706416	0.054408826	0.184971243
<i>ybdJ</i>	-1.454924439	0.390391532	0.0001939	0.003993748
<i>nlpD</i>	-1.45839951	0.628294559	0.020275865	0.09712408
<i>fabZ</i>	-1.460531952	0.514762655	0.004549798	0.035037619
<i>ypfN</i>	-1.464767865	0.447440187	0.001061636	0.013146698
<i>ymgE</i>	-1.465060713	0.451679518	0.001180358	0.014099149
<i>nuoB</i>	-1.470468115	0.686074677	0.032088519	0.131811364
<i>rplP</i>	-1.479070108	0.972234456	0.128182034	0.3204154
<i>feoC</i>	-1.479895004	0.74027552	0.045596043	0.164880193
<i>ybeL</i>	-1.480238225	0.694683711	0.03310489	0.134586547
<i>yeaQ</i>	-1.480589204	0.576486457	0.010219916	0.061304311
<i>arfA</i>	-1.483818813	0.496950266	0.002827916	0.025631676
<i>yjdI</i>	-1.48826256	0.962049402	0.12187023	0.310599823
<i>ftsB</i>	-1.491024144	0.375856312	0.0000728	0.001944517
<i>yeiW</i>	-1.501882024	0.442191562	0.000682657	0.009842458
<i>ygiN</i>	-1.503716719	0.694525044	0.030379968	0.126567523
<i>yfiM</i>	-1.524149213	0.447435688	0.000658233	0.009698134

<i>bhsA</i>	-1.525973109	0.341481571	0.00000787	0.000356991
<i>rsfS</i>	-1.532229749	0.889654495	0.085019703	0.247717609
<i>ynfO</i>	-1.532895044	0.255333444	1.93E-09	0.000000557
<i>yciI</i>	-1.535432201	0.844790496	0.069135975	0.214654492
<i>luxS</i>	-1.538996006	0.662783421	0.020231887	0.09712408
<i>yoaC</i>	-1.539148869	0.356864727	0.0000161	0.000637497
<i>ynaK</i>	-1.540240257	0.361448649	0.0000203	0.000766816
<i>rnpA</i>	-1.540356176	0.668406756	0.021193518	0.099370769
<i>smpB</i>	-1.552585748	0.764375575	0.042236557	0.158503581
<i>kilR</i>	-1.552654698	0.419186999	0.000212254	0.00424193
<i>yrbL</i>	-1.554782488	0.830900456	0.061317105	0.198347079
<i>sucD</i>	-1.555517228	0.973616779	0.110116688	0.29123741
<i>hspQ</i>	-1.556543381	0.954284902	0.10286717	0.277812336
<i>aaeX</i>	-1.558916192	0.442725692	0.000429633	0.007108318
<i>yaiE</i>	-1.561018979	0.939920628	0.096753877	0.267714464
<i>tig</i>	-1.572123095	0.834996354	0.059728783	0.195401212
<i>pptA</i>	-1.575527218	0.913436054	0.084557066	0.247522707
<i>clpS</i>	-1.580287922	0.831060908	0.057232521	0.190726867
<i>ynbE</i>	-1.582720356	1.206013458	0.189399666	0.411900695
<i>yebF</i>	-1.583295075	0.304005163	0.000000191	0.0000194
<i>yaeH</i>	-1.587189999	0.730780733	0.02986245	0.125186617
<i>ykgM</i>	-1.59133859	0.748647977	0.033535194	0.135925278
<i>ralR</i>	-1.595876506	0.387644655	0.0000384	0.001223697
<i>racC</i>	-1.599475733	0.327637633	0.00000105	0.0000692
<i>mlaB</i>	-1.602295772	0.692183619	0.020621576	0.097595899
<i>prs</i>	-1.604702619	0.908196744	0.077243171	0.23228624
<i>yjdM</i>	-1.607523002	0.713226317	0.02420403	0.107968693
<i>ppiB</i>	-1.612528778	0.664943612	0.015305818	0.082167002
<i>ycgL</i>	-1.617399528	0.833784702	0.052400506	0.180318709
<i>fbaA</i>	-1.619513762	0.91808164	0.077728724	0.233475342
<i>hinT</i>	-1.620940593	0.760155621	0.032975626	0.134467273
<i>dusB</i>	-1.621346507	0.904454134	0.07303301	0.222348612
<i>ydhL</i>	-1.621547721	0.503466009	0.001278471	0.014871362
<i>nusB</i>	-1.623229719	0.954565796	0.08903877	0.255835955
<i>relB</i>	-1.629406366	0.986735434	0.098675234	0.271356895
<i>ynfB</i>	-1.629543641	0.331736683	0.000000901	0.0000628
<i>yfaE</i>	-1.630317393	0.451382435	0.000304042	0.005504112
<i>mraZ</i>	-1.634203089	1.000152908	0.102268668	0.276900479
<i>grxC</i>	-1.635469062	0.789297907	0.038260266	0.148358554
<i>tatA</i>	-1.637679321	0.894976281	0.067271206	0.211506122
<i>yodC</i>	-1.641441081	0.739013098	0.02634244	0.114966951
<i>alpA</i>	-1.641997635	0.633734789	0.009570153	0.058715361
<i>yoaF</i>	-1.642406664	0.592065708	0.005536697	0.039985053
<i>yfhL</i>	-1.642893961	0.96219201	0.087738595	0.253543815
<i>yhcB</i>	-1.642999141	0.923560685	0.075242481	0.227531009
<i>cpxP</i>	-1.645710375	0.865413977	0.057217548	0.190726867
<i>ybgE</i>	-1.646502553	0.686987894	0.01654355	0.085520737
<i>zapB</i>	-1.651077082	0.89967152	0.066476076	0.209495643
<i>slyA</i>	-1.653205631	0.510862253	0.001211714	0.014311782

<i>ymgC</i>	-1.657089111	0.871548311	0.05726058	0.190726867
<i>rof</i>	-1.657997821	0.414678901	0.0000638	0.001788823
<i>racR</i>	-1.660039751	0.652446843	0.010948775	0.064341916
<i>yncJ</i>	-1.674618712	0.829912357	0.043609389	0.161218958
<i>fldA</i>	-1.675890608	0.705766953	0.017569568	0.089330411
<i>cydB</i>	-1.686452567	0.870059069	0.05258424	0.180666022
<i>yajC</i>	-1.689333331	0.737644845	0.022011367	0.102137802
<i>skp</i>	-1.693584708	0.737182413	0.021597366	0.100636236
<i>nuoA</i>	-1.693927873	0.802627416	0.034817165	0.139403565
<i>ryeA</i>	-1.695361232	1.015367541	0.094978335	0.264272906
<i>hokB</i>	-1.70058305	0.945431922	0.072060348	0.220236248
<i>uspG</i>	-1.703904949	0.82104333	0.037959447	0.148060182
<i>rbfA</i>	-1.704863046	0.736058759	0.020547073	0.097582495
<i>yecH</i>	-1.71300655	0.57956474	0.00311983	0.027613781
<i>sspA</i>	-1.718484073	0.976537688	0.078446404	0.234502043
<i>isrC</i>	-1.71926183	0.78019949	0.027551203	0.119083734
<i>soxS</i>	-1.722493665	1.00166059	0.085498255	0.248492769
<i>yfbV</i>	-1.725251885	0.66756334	0.009754808	0.059486649
<i>hipB</i>	-1.730536133	0.531858657	0.001138917	0.013848818
<i>ypeB</i>	-1.730683884	0.585591998	0.003122202	0.027613781
<i>yhdV</i>	-1.73227126	0.919164608	0.059481857	0.195385076
<i>glnB</i>	-1.737320824	0.557295072	0.001824437	0.019031654
<i>chbB</i>	-1.740220621	0.342825881	0.000000385	0.0000353
<i>essQ</i>	-1.740928846	0.882775846	0.048597338	0.171897803
<i>sucC</i>	-1.746504234	0.769769946	0.023276525	0.105900142
<i>yqiC</i>	-1.750259439	0.842822001	0.037832435	0.147960422
<i>rpoE</i>	-1.750272586	0.993623594	0.078153026	0.234053238
<i>yafQ</i>	-1.759990727	0.547935706	0.001317966	0.015158485
<i>rzoR</i>	-1.773584322	0.601547251	0.003194537	0.028035533
<i>cydA</i>	-1.78008729	0.982511167	0.070021265	0.216167474
<i>yebV</i>	-1.786262393	0.639748581	0.005236201	0.038225217
<i>yhfG</i>	-1.788457041	0.783059087	0.022375277	0.103115291
<i>yafN</i>	-1.789020752	0.287790497	5.09E-10	0.000000205
<i>relE</i>	-1.797759916	0.658963704	0.006368827	0.043950349
<i>sdhD</i>	-1.805006101	0.843566335	0.03237641	0.132693978
<i>iscU</i>	-1.808234358	0.774777105	0.019602171	0.094771213
<i>yfeC</i>	-1.812446248	0.926949748	0.050550037	0.176226685
<i>yciS</i>	-1.814389825	0.427850788	0.0000223	0.000817738
<i>kgtP</i>	-1.816115795	0.963916084	0.05955124	0.195401212
<i>yobH</i>	-1.821573547	1.002370697	0.069176491	0.214654492
<i>yodD</i>	-1.828815936	0.776025597	0.018440925	0.091903719
<i>ycdZ</i>	-1.831483842	0.434206383	0.0000246	0.00088055
<i>rpsG</i>	-1.839673312	1.020820512	0.071521558	0.219568464
<i>cspH</i>	-1.841107906	0.815033809	0.023887466	0.107267742
<i>dksA</i>	-1.843468349	0.908620372	0.042472011	0.159053349
<i>erpA</i>	-1.854888485	0.578077553	0.001333277	0.015291018
<i>uspE</i>	-1.855803946	0.79001427	0.01882004	0.092338281
<i>ylcI</i>	-1.857877037	0.456328124	0.0000467	0.0014081
<i>rem</i>	-1.864066197	0.290717502	1.44E-10	8.29E-08

<i>ymqF</i>	-1.876669029	0.646321932	0.003688833	0.030895893
<i>deoD</i>	-1.879196615	0.999008012	0.059963403	0.195851341
<i>ibaG</i>	-1.883630797	0.903388839	0.037062763	0.145405611
<i>yniA</i>	-1.883661203	0.827510935	0.0228282	0.104724368
<i>fis</i>	-1.887965651	1.004545593	0.060186818	0.195868482
<i>thrS</i>	-1.892827795	0.801948261	0.018260818	0.09154307
<i>yheU</i>	-1.91179123	1.019125636	0.0606672	0.196875793
<i>ypdI</i>	-1.919747126	0.462672982	0.0000334	0.001112885
<i>ompC</i>	-1.924358141	1.16526964	0.098651346	0.271356895
<i>ykfF</i>	-1.931240194	0.73476692	0.008579484	0.054265307
<i>hpf</i>	-1.950074344	0.791102973	0.013701059	0.076291274
<i>ydfC</i>	-1.954697455	0.489575347	0.0000653	0.001819214
<i>hupA</i>	-1.960671844	0.964835944	0.04214052	0.158448422
<i>rplA</i>	-1.961638068	0.991060443	0.047778591	0.169492244
<i>pspE</i>	-1.970026879	1.015730953	0.052438485	0.180318709
<i>frdC</i>	-1.972803999	0.793165706	0.012873371	0.072907843
<i>ygdR</i>	-1.976046523	0.723751243	0.006327976	0.04374322
<i>rcbA</i>	-1.988926108	0.612790156	0.001171669	0.014099149
<i>ryfA</i>	-1.998644984	0.839715113	0.017305757	0.088546691
<i>fusA</i>	-2.000716669	1.110639932	0.071638453	0.219760209
<i>ompA</i>	-2.012479451	1.034623488	0.051759071	0.178896719
<i>yhdU</i>	-2.017203298	0.66070067	0.002264698	0.022190741
<i>rplS</i>	-2.020542072	1.032211912	0.050290162	0.175472242
<i>ogrK</i>	-2.023676444	1.065040382	0.057420834	0.191102973
<i>yceQ</i>	-2.034749389	0.574804004	0.000400277	0.006818218
<i>yifL</i>	-2.039957122	0.773557735	0.008361562	0.053211604
<i>rplI</i>	-2.041100206	0.963926184	0.034218622	0.138278855
<i>rplD</i>	-2.043551294	1.107301672	0.064961418	0.206435222
<i>cyoD</i>	-2.047397501	1.011086902	0.042872795	0.159762217
<i>crp</i>	-2.051202785	1.034998772	0.047497062	0.169370362
<i>yjfN</i>	-2.055039853	1.166308494	0.078068677	0.2339742
<i>yjdJ</i>	-2.062388764	0.346668574	2.7E-09	0.00000068
<i>yejG</i>	-2.063154691	0.847258157	0.014887852	0.080722588
<i>bamE</i>	-2.072426347	1.064175001	0.05148095	0.178393645
<i>flhD</i>	-2.074958987	0.793779836	0.008948293	0.055936352
<i>tatE</i>	-2.07623129	0.965620819	0.031543214	0.130471264
<i>yjjZ</i>	-2.077304279	0.927066519	0.025043673	0.111100339
<i>icd</i>	-2.084314691	0.948050614	0.027911586	0.119999014
<i>dinJ</i>	-2.091965736	0.556233657	0.000169271	0.003559094
<i>rnpB</i>	-2.10109878	1.044620215	0.044288308	0.162096009
<i>feoA</i>	-2.110938669	0.86061163	0.014173518	0.07827427
<i>chaB</i>	-2.113759948	0.674958159	0.001738031	0.018464291
<i>dctA</i>	-2.121826086	1.134327773	0.061406347	0.198462522
<i>ymjA</i>	-2.13393383	0.743068882	0.00408161	0.032628631
<i>hns</i>	-2.144124454	0.899473303	0.017136983	0.087905971
<i>trxA</i>	-2.145566275	0.908768021	0.018227625	0.091523534
<i>rplL</i>	-2.14758794	0.990836148	0.030200548	0.12621078
<i>tsf</i>	-2.150484343	0.928124292	0.020502537	0.097582495
<i>yeeT</i>	-2.160914075	0.991318625	0.029269467	0.123212554

<i>dicC</i>	-2.162814375	0.643448836	0.00077581	0.010693737
<i>ydcX</i>	-2.166707235	0.495654787	0.0000123	0.000513782
<i>yjbJ</i>	-2.171181994	0.760690446	0.004314191	0.033694092
<i>spr</i>	-2.183085267	0.945267843	0.020916486	0.098300179
<i>yccA</i>	-2.186920123	1.031209149	0.033944208	0.137445104
<i>hfq</i>	-2.187437544	0.941902893	0.020213563	0.09712408
<i>gcvB</i>	-2.205356904	0.892792431	0.013504555	0.07550954
<i>fur</i>	-2.21054772	0.977804483	0.023776248	0.107184801
<i>yeeX</i>	-2.213122181	0.717414456	0.002036489	0.020451012
<i>bdm</i>	-2.213746641	0.955862997	0.0205601	0.097582495
<i>hha</i>	-2.21449952	0.679020655	0.001108972	0.013607658
<i>holE</i>	-2.221218904	0.604703182	0.000239496	0.004582204
<i>iscX</i>	-2.227446435	1.076243737	0.038485255	0.148959708
<i>ydcA</i>	-2.235446386	0.745918848	0.002727375	0.025253244
<i>aspA</i>	-2.237629311	1.115533544	0.044868776	0.163332056
<i>uspA</i>	-2.24711626	1.09893464	0.04087326	0.154644189
<i>ytjA</i>	-2.254492493	0.638289061	0.000412294	0.006930509
<i>ydhZ</i>	-2.255533421	0.719547776	0.001720568	0.018424229
<i>minE</i>	-2.262372875	0.821998491	0.005918127	0.041988536
<i>hupB</i>	-2.264829079	0.826827372	0.006159262	0.043312308
<i>cptB</i>	-2.268053413	1.175919163	0.053761977	0.183570551
<i>dsrB</i>	-2.272530536	0.824992018	0.005876229	0.041838337
<i>ycaR</i>	-2.280750764	0.629967985	0.000294121	0.005372707
<i>osmB</i>	-2.289031792	1.008411485	0.023211331	0.105900142
<i>yeiS</i>	-2.289329759	0.530076399	0.0000157	0.000626862
<i>dam</i>	-2.29546392	0.816916112	0.004955476	0.037253735
<i>rttR</i>	-2.302230645	0.978288501	0.018606371	0.092338281
<i>cedA</i>	-2.316878615	0.474818461	0.00000106	0.0000692
<i>yibT</i>	-2.318155778	0.765294641	0.002452816	0.023576233
<i>ymcE</i>	-2.326909861	0.961751997	0.015544042	0.082350786
<i>ydfZ</i>	-2.329778745	0.632329165	0.000229206	0.004470074
<i>sodB</i>	-2.332203015	1.001382638	0.019859973	0.095902764
<i>rpsC</i>	-2.340608849	1.159101802	0.043452949	0.16078786
<i>ymgJ</i>	-2.36299628	0.68823899	0.000596073	0.009080555
<i>ompW</i>	-2.363900865	1.101486029	0.031864878	0.131397869
<i>ihfB</i>	-2.369016851	0.932433935	0.011063692	0.064730617
<i>secY</i>	-2.372632426	1.158001343	0.040471601	0.153402862
<i>ycbK</i>	-2.37449281	0.812889076	0.003488495	0.029773896
<i>tomB</i>	-2.379866789	0.956860795	0.012876713	0.072907843
<i>marB</i>	-2.397370089	0.744527173	0.00128195	0.014871362
<i>crr</i>	-2.405540577	0.961239344	0.012330545	0.070407934
<i>yaiZ</i>	-2.405633447	1.036371415	0.02027563	0.09712408
<i>yaiA</i>	-2.415243673	0.760235213	0.00148823	0.016688842
<i>rpsA</i>	-2.416702248	1.103967918	0.028589172	0.12160098
<i>yncH</i>	-2.423976754	0.803460318	0.002553559	0.023918137
<i>rpsB</i>	-2.42679993	1.118992194	0.030102646	0.126062637
<i>ynaJ</i>	-2.428302412	0.710549177	0.000631989	0.009484533
<i>trmD</i>	-2.44738709	1.064763376	0.021531828	0.100606469
<i>sibA</i>	-2.448391586	1.249907355	0.050129366	0.175214069

<i>psrO</i>	-2.449373562	0.819591513	0.002803233	0.025487952
<i>msrB</i>	-2.449538715	0.853977777	0.004125706	0.03269036
<i>ygeI</i>	-2.4509789	1.042037017	0.018667581	0.092338281
<i>yjdO</i>	-2.451852826	1.082325415	0.023490817	0.1064337
<i>rpsI</i>	-2.452215121	1.107581478	0.026826933	0.116577316
<i>sdhC</i>	-2.453065038	1.05891648	0.020526607	0.097582495
<i>yedF</i>	-2.45442315	0.813355906	0.002547432	0.023916244
<i>sibB</i>	-2.4639983	1.232543932	0.045595804	0.164880193
<i>atpE</i>	-2.464289783	1.121935641	0.028058842	0.120387107
<i>glgS</i>	-2.470821295	1.07038204	0.020979422	0.098481312
<i>yeaC</i>	-2.480274508	1.019397108	0.014971001	0.080799374
<i>ydaF</i>	-2.485707093	0.753740553	0.000974356	0.012330646
<i>yciG</i>	-2.491743283	0.665129173	0.000179494	0.003735148
<i>npr</i>	-2.50269541	1.15750074	0.030606271	0.127116785
<i>rseA</i>	-2.507408334	1.012421073	0.013262347	0.074504838
<i>ydfA</i>	-2.515071202	0.772734856	0.001134858	0.013841153
<i>ydfD</i>	-2.518869477	0.79814618	0.001600037	0.017599178
<i>yciN</i>	-2.523915388	0.87677083	0.003993827	0.032246158
<i>slyX</i>	-2.534895722	0.71055269	0.000360405	0.006300591
<i>cnu</i>	-2.535354135	0.839802439	0.002536199	0.023874841
<i>rpsE</i>	-2.551465658	1.081147487	0.018276868	0.09154307
<i>rplR</i>	-2.560480346	1.189585248	0.031364735	0.129866089
<i>sibE</i>	-2.574863411	1.209510914	0.033266939	0.13510929
<i>rplY</i>	-2.577750785	1.233368445	0.036617018	0.144076902
<i>ybeD</i>	-2.589283518	1.115055151	0.020226878	0.09712408
<i>dinI</i>	-2.598203778	0.571108637	0.00000538	0.000266303
<i>cspI</i>	-2.601840198	0.673887589	0.000112951	0.002602194
<i>rplB</i>	-2.607253408	1.269187628	0.039949617	0.152300955
<i>yciX</i>	-2.608545122	1.179754117	0.027029453	0.117331078
<i>grxA</i>	-2.611689694	0.450399715	6.69E-09	0.00000142
<i>rpsK</i>	-2.624219249	1.107158918	0.017777111	0.089932578
<i>rbsB</i>	-2.629573667	1.181581833	0.026049774	0.113936011
<i>ompX</i>	-2.635708107	1.090721522	0.015671333	0.082489419
<i>nlpI</i>	-2.639990445	1.089728446	0.015409327	0.082269422
<i>yhbY</i>	-2.650685961	0.919396252	0.003938169	0.03199144
<i>hicA</i>	-2.651648596	0.929046165	0.004315047	0.033694092
<i>torI</i>	-2.653209682	0.980894192	0.006832726	0.046515543
<i>yddM</i>	-2.654379993	0.52948934	0.000000536	0.0000455
<i>rplQ</i>	-2.662665212	1.137162729	0.019206486	0.093250315
<i>sroH</i>	-2.668256602	1.302033045	0.040432767	0.153402862
<i>yecF</i>	-2.675471122	0.635783768	0.0000257	0.000911775
<i>yqaE</i>	-2.677633379	0.745231457	0.000326864	0.005864673
<i>rplV</i>	-2.693729344	1.103238423	0.014620047	0.079758284
<i>ybcW</i>	-2.697124246	1.16088379	0.020161056	0.09712408
<i>cspC</i>	-2.719325391	0.886406342	0.002156344	0.021441279
<i>rplC</i>	-2.720767394	1.267586383	0.031839823	0.131397869
<i>yciZ</i>	-2.726327701	0.952436644	0.004203442	0.033078546
<i>ihfA</i>	-2.726334353	0.809533558	0.000757749	0.010621638
<i>yebW</i>	-2.727144823	0.640729588	0.0000208	0.000776849

<i>grxD</i>	-2.728692995	0.973881353	0.005080669	0.037711093
<i>dicB</i>	-2.736722645	0.959988954	0.004361137	0.03385752
<i>yheV</i>	-2.737912546	0.973600256	0.004921114	0.037133716
<i>yhjR</i>	-2.743316514	0.722189788	0.000145511	0.003209978
<i>yejL</i>	-2.745952011	1.1376439	0.015790661	0.08282673
<i>ydaE</i>	-2.751624093	0.556404074	0.00000076	0.0000579
<i>tdcR</i>	-2.783157808	1.123848331	0.013269502	0.074504838
<i>ykgL</i>	-2.788110212	0.526505568	0.000000119	0.000013
<i>ahpC</i>	-2.801728807	1.001511909	0.005149989	0.037993333
<i>rpsH</i>	-2.807443549	1.166449504	0.016091738	0.083930681
<i>safA</i>	-2.812300896	0.807159883	0.000493623	0.00787651
<i>yojO</i>	-2.820659984	1.051115124	0.007285752	0.048019975
<i>yjbS</i>	-2.827032147	1.032412543	0.006176192	0.043312308
<i>rpoA</i>	-2.836306501	1.257886789	0.024144719	0.107968693
<i>rrfD</i>	-2.856371889	0.985082656	0.003736074	0.031006634
<i>sibD</i>	-2.875949974	1.242962507	0.020679432	0.097755112
<i>bssR</i>	-2.877291894	1.177899538	0.014576592	0.079628823
<i>cdd</i>	-2.880502535	1.034985048	0.005383649	0.039019375
<i>yqgC</i>	-2.88429638	0.980462564	0.003263411	0.028393083
<i>tpx</i>	-2.900069365	0.962237108	0.002579279	0.02410312
<i>gnsA</i>	-2.919777355	0.416347937	2.34E-12	3.14E-09
<i>cspD</i>	-2.926204539	0.828635057	0.000413436	0.006930509
<i>yiiF</i>	-2.93644999	1.226681758	0.016674127	0.085968648
<i>ydfB</i>	-2.953631957	0.80593836	0.000247497	0.004690825
<i>yoaG</i>	-2.965209281	1.103579875	0.007211844	0.04788522
<i>sibC</i>	-2.973016432	0.711643882	0.0000295	0.001024928
<i>yfgG</i>	-2.974548354	1.208888059	0.013871822	0.076923824
<i>ydiH</i>	-2.983291558	0.584498026	0.000000333	0.0000312
<i>rplF</i>	-2.99266631	1.307365547	0.022074616	0.102313693
<i>rpmA</i>	-3.038600767	1.08648849	0.005162474	0.037993333
<i>rplO</i>	-3.055869238	1.318329058	0.020450043	0.097582495
<i>ptsH</i>	-3.056290215	0.977134148	0.001761138	0.01866067
<i>rimM</i>	-3.065958354	1.182689684	0.009531975	0.058570143
<i>rpsD</i>	-3.070869917	1.261689375	0.014935677	0.080722588
<i>ybaM</i>	-3.076185653	0.9199462	0.000826168	0.011076781
<i>rrfF</i>	-3.079672911	2.352391431	0.190477834	0.411983443
<i>rpsR</i>	-3.108010144	1.294419752	0.016346598	0.084712729
<i>bsmA</i>	-3.116112579	1.218542588	0.010550472	0.062913229
<i>rplE</i>	-3.184815322	1.317658032	0.015647847	0.082489419
<i>rrfC</i>	-3.190843912	1.053807669	0.002462444	0.023612552
<i>udp</i>	-3.196726213	1.320022041	0.015447169	0.082269422
<i>grcA</i>	-3.203431708	1.272734383	0.011836958	0.06836309
<i>rpsS</i>	-3.204055194	1.347885465	0.017449474	0.089056293
<i>rplK</i>	-3.221790817	1.113992951	0.003826632	0.031398606
<i>ytfK</i>	-3.235203235	1.251513335	0.009736969	0.059467689
<i>rrfH</i>	-3.23553534	1.062588224	0.002327137	0.022692392
<i>ydaG</i>	-3.247991737	1.482651662	0.02847611	0.121558519
<i>infA</i>	-3.257080764	1.120665156	0.003656351	0.03080262
<i>ykgO</i>	-3.299182037	0.992911757	0.000891397	0.011533883

<i>rpmD</i>	-3.316360553	1.364355994	0.015069063	0.081220039
<i>infC</i>	-3.340390452	1.158815896	0.003944212	0.03199144
<i>rpmG</i>	-3.381734178	1.297174588	0.009133935	0.056816175
<i>metZ</i>	-3.387662578	1.768472104	0.055417656	0.187320284
<i>hokE</i>	-3.402351731	1.240182621	0.006080138	0.042911743
<i>zapA</i>	-3.409476452	1.169406136	0.003550482	0.03017536
<i>hokA</i>	-3.411852778	1.033031535	0.000957391	0.012154049
<i>ymiA</i>	-3.449254408	0.708626032	0.00000113	0.0000724
<i>priB</i>	-3.4531769	1.283962358	0.00715658	0.047675107
<i>rplU</i>	-3.464958033	1.103283079	0.001686088	0.018297683
<i>csrB</i>	-3.483620964	1.202780153	0.003775824	0.031109478
<i>glmY</i>	-3.516731784	0.702309217	0.000000552	0.0000455
<i>cspG</i>	-3.52203438	1.051479842	0.00080929	0.010948455
<i>rpsF</i>	-3.530192757	1.316049261	0.007309231	0.0480576
<i>lpxC</i>	-3.541243266	1.201723565	0.003210771	0.028056024
<i>yqgB</i>	-3.551947294	1.360907837	0.009054653	0.056409931
<i>rplX</i>	-3.576280362	1.327345651	0.007053458	0.047143722
<i>rplW</i>	-3.581023095	1.337870431	0.007436025	0.048653536
<i>rrfG</i>	-3.582329999	1.127344448	0.00148463	0.016688842
<i>yhaL</i>	-3.584633951	1.008890684	0.000380799	0.006549878
<i>pyrL</i>	-3.591268661	1.200360043	0.002773141	0.02538587
<i>yceD</i>	-3.606887725	1.289833514	0.005167574	0.037993333
<i>rplN</i>	-3.616047345	1.37486057	0.00853549	0.054093838
<i>rplJ</i>	-3.624110203	1.364378503	0.007901848	0.051041494
<i>hokD</i>	-3.632071954	1.546095517	0.018814309	0.092338281
<i>y rhD</i>	-3.659901861	1.457021316	0.012008077	0.069054996
<i>yfcZ</i>	-3.660932846	0.99562001	0.000235958	0.004557709
<i>leuQ</i>	-3.669378515	1.84123528	0.046273545	0.165902576
<i>bssS</i>	-3.686381773	1.156533141	0.001435375	0.016231394
<i>rpsN</i>	-3.704493769	1.220032012	0.00239429	0.023161007
<i>ydcH</i>	-3.709963195	1.003069556	0.000216783	0.004311104
<i>valT</i>	-3.710461375	1.765361536	0.035569583	0.141472322
<i>rpsP</i>	-3.742725651	1.289905951	0.003713224	0.030971664
<i>rbsD</i>	-3.766630017	1.296066443	0.00365846	0.03080262
<i>ybfA</i>	-3.783490473	1.125630469	0.000775993	0.010693737
<i>ryfD</i>	-3.783602084	0.895587311	0.0000239	0.00086234
<i>yqcG</i>	-3.802842916	1.249395587	0.002336523	0.022729017
<i>rpsJ</i>	-3.828808278	1.369457031	0.005176203	0.037993333
<i>yqfG</i>	-3.834376885	1.42044134	0.006945911	0.046813359
<i>yciY</i>	-3.839150688	1.143446647	0.000786436	0.010798788
<i>rrfA</i>	-3.848463822	1.164889596	0.000954126	0.01215081
<i>ynfN</i>	-3.901076015	1.19693247	0.001117158	0.013666564
<i>mgrB</i>	-3.926290697	1.230356936	0.001416929	0.016067813
<i>rpmE</i>	-3.93760357	1.35532692	0.003669252	0.03080262
<i>gnsB</i>	-3.945626184	0.590869099	2.43E-11	1.96E-08
<i>cspB</i>	-3.969608358	1.132183947	0.000454636	0.007400676
<i>ryjA</i>	-4.018430301	1.15525312	0.00050442	0.007983148
<i>rpsM</i>	-4.073109228	1.360814298	0.00276122	0.02538587
<i>yhfL</i>	-4.084834342	1.080171558	0.00015579	0.003363236

<i>leuV</i>	-4.090912548	1.874942061	0.029117841	0.122830431
<i>glmZ</i>	-4.130748964	1.35240024	0.002255236	0.022190741
<i>ecnB</i>	-4.147445789	1.101866871	0.000167205	0.003552675
<i>leuP</i>	-4.148383772	1.763281542	0.018640186	0.092338281
<i>csrA</i>	-4.157277404	1.253481475	0.00091125	0.011715654
<i>yjjY</i>	-4.164417109	1.252647886	0.0008858	0.011498307
<i>ybdD</i>	-4.173048218	1.292656338	0.001245398	0.0146202
<i>rpsL</i>	-4.241668221	1.476029259	0.004056916	0.032625037
<i>rplT</i>	-4.247364374	1.308990408	0.001175482	0.014099149
<i>glyW</i>	-4.298173759	1.78367548	0.015964393	0.083482194
<i>acpP</i>	-4.29865152	1.19995726	0.000340534	0.00602954
<i>rpsQ</i>	-4.309119837	1.502444979	0.00412982	0.03269036
<i>rpmC</i>	-4.356886613	1.77032944	0.013852728	0.076923605
<i>valZ</i>	-4.445929461	1.80216614	0.01362534	0.075974444
<i>metW</i>	-4.469807017	1.827869876	0.014470605	0.079588328
<i>rpmB</i>	-4.477727975	1.411611492	0.001513574	0.016879281
<i>rpsT</i>	-4.503514911	1.456477797	0.001987735	0.020095075
<i>raiA</i>	-4.509915044	1.508186053	0.002787119	0.025398642
<i>rplM</i>	-4.56649561	1.472088103	0.001921834	0.019661019
<i>valU</i>	-4.6217416	1.811054937	0.01071185	0.063593735
<i>rpsU</i>	-4.776351576	1.398197358	0.0006353	0.00949891
<i>blr</i>	-4.815662337	1.365882846	0.000422401	0.007046418
<i>rpmF</i>	-4.852809371	1.499661354	0.001212442	0.014311782
<i>yceO</i>	-4.880932509	1.103740416	0.00000977	0.000424157
<i>metV</i>	-4.907964614	1.852740113	0.00807231	0.051891588
<i>rpsO</i>	-4.90834348	1.669831807	0.00328823	0.028481355
<i>yehH</i>	-4.942539134	1.412144838	0.000465218	0.007493407
<i>tyrV</i>	-4.943134718	1.591987922	0.001902741	0.019545458
<i>glyV</i>	-5.107086752	1.842319528	0.005569659	0.040016757
<i>ybgT</i>	-5.135582304	1.329492902	0.000112089	0.002602194
<i>glyX</i>	-5.204948694	1.849552047	0.004890379	0.036970896
<i>psrD</i>	-5.246961517	1.269984209	0.000036	0.001182798
<i>istR</i>	-5.448508112	1.463023035	0.000195979	0.004016082
<i>acrZ</i>	-5.507352091	1.327229455	0.0000333	0.001112885
<i>valY</i>	-5.521058056	1.857447889	0.002954918	0.026508901
<i>micC</i>	-5.538076664	2.176412707	0.010940631	0.064341916
<i>lpp</i>	-5.560534038	1.425740764	0.0000962	0.002310516
<i>rpmI</i>	-5.570437403	1.250605638	0.00000842	0.000377728
<i>rmf</i>	-5.587786458	1.142825455	0.00000101	0.000068
<i>mokB</i>	-5.684416775	1.55996163	0.000268489	0.005015493
<i>ythA</i>	-5.900745512	1.310359104	0.0000067	0.000310678
<i>yshB</i>	-5.955112203	1.581154495	0.00016568	0.003552675
<i>ssrA</i>	-6.103951839	1.539836296	0.0000737	0.001944517
<i>cspE</i>	-6.120411463	1.336298694	0.00000465	0.000234501
<i>leuT</i>	-6.165826542	3.800801911	0.104751201	0.281372027
<i>fnrS</i>	-6.362744648	1.818118449	0.000465902	0.007493407
<i>rrlB</i>	-6.437053147	3.776225036	0.088264112	0.254879985
<i>yobF</i>	-6.499621402	1.523185897	0.0000198	0.000766483
<i>cspA</i>	-6.642219096	1.669058555	0.000069	0.00188195

<i>valX</i>	-6.700045978	1.92590125	0.000503449	0.007983148
<i>glyY</i>	-6.745492611	1.968208927	0.000609786	0.009254536
<i>tyrT</i>	-6.81882544	1.761807316	0.000108676	0.002580725
<i>tff</i>	-6.829855072	1.741575022	0.0000879	0.002218915
<i>mntS</i>	-6.937935773	1.747375016	0.0000717	0.001930354
<i>sra</i>	-7.054448255	1.805466804	0.0000933	0.00228814
<i>rpmH</i>	-7.267505342	1.60476055	0.00000593	0.000281845
<i>dinQ</i>	-7.267511076	1.815500049	0.0000625	0.00177618
<i>ssrS</i>	-7.340105851	1.344011424	4.73E-08	0.00000715
<i>ffs</i>	-8.001193716	1.553080374	0.000000258	0.0000254
<i>yneM</i>	-8.5358958	1.589430751	7.86E-08	0.00000961
<i>rpmJ</i>	-9.458718994	1.91013624	0.000000735	0.0000571

Table S3. Complete list of up- and down-regulated genes in ciprofloxacin-resistant cells.

GENE	log2FoldChange	Standard error of the log2Fold Change	p-value	Corrected p-value
<i>dadA</i>	4.167941068	1.657006082	0.011891614	0.999867943
<i>ryfD</i>	3.389708708	1.522734357	0.026009694	0.999867943
<i>astD</i>	3.369494287	1.590722128	0.034156714	0.999867943
<i>sufA</i>	3.288525198	1.447071715	0.023054047	0.999867943
<i>mmuM</i>	3.011551065	1.730747876	0.08185397	0.999867943
<i>dcd</i>	2.990502895	1.531533241	0.050864604	0.999867943
<i>rrfE</i>	2.875678035	2.059694813	0.162664196	0.999867943
<i>gapA</i>	2.83005135	1.299746181	0.029451653	0.999867943
<i>fliA</i>	2.826089565	1.365003501	0.03841584	0.999867943
<i>gabD</i>	2.824941171	1.614321707	0.080131336	0.999867943
<i>rrfB</i>	2.792589635	2.030190339	0.168966899	0.999867943
<i>lhgO</i>	2.755227627	1.503713671	0.066909404	0.999867943
<i>dadX</i>	2.709003192	1.475996738	0.066450579	0.999867943
<i>acs</i>	2.686065122	1.336412365	0.044440989	0.999867943
<i>yqjK</i>	2.499840179	1.546565539	0.10601182	0.999867943
<i>ybjQ</i>	2.484325886	1.24627117	0.046216879	0.999867943
<i>ryeA</i>	2.470823639	1.70951499	0.148363517	0.999867943
<i>aer</i>	2.461468798	1.172558964	0.035796793	0.999867943
<i>astA</i>	2.427875994	1.445041513	0.092929549	0.999867943
<i>glcD</i>	2.42122486	1.328573918	0.068390691	0.999867943
<i>pal</i>	2.365031128	1.40210469	0.091647175	0.999867943
<i>yhdE</i>	2.300528461	1.32924612	0.08350499	0.999867943
<i>ssb</i>	2.288053654	1.159706823	0.048500269	0.999867943
<i>aspT</i>	2.28661841	1.894013717	0.22732158	0.999867943
<i>rrsE</i>	2.278582072	2.4223181	0.346878207	0.999867943
<i>glpK</i>	2.247448887	1.187903701	0.058498262	0.999867943
<i>wrbA</i>	2.24592493	1.27660386	0.078527131	0.999867943
<i>ybeY</i>	2.209799374	1.20402827	0.066455558	0.999867943
<i>mhpR</i>	2.193513235	1.331548926	0.099488269	0.999867943
<i>ybgJ</i>	2.162195455	1.460516803	0.138758061	0.999867943
<i>fabA</i>	2.130660829	1.278338308	0.095565612	0.999867943
<i>tnaA</i>	2.130653323	0.774666457	0.005952005	0.999867943
<i>yodD</i>	2.124845595	1.439054043	0.139794374	0.999867943
<i>rrsA</i>	2.124534597	1.677141744	0.205241434	0.999867943
<i>glmY</i>	2.078350838	1.334490549	0.119372834	0.999867943
<i>sibD</i>	2.07323534	1.605316053	0.196536905	0.999867943
<i>yqjD</i>	2.056273088	1.333550563	0.12308487	0.999867943
<i>envZ</i>	2.049526446	1.267230485	0.105807651	0.999867943
<i>fecA</i>	2.038453981	1.290834427	0.114295829	0.999867943
<i>cysA</i>	2.032695919	1.613896642	0.207851334	0.999867943
<i>astC</i>	2.007680982	1.362504124	0.140610103	0.999867943
<i>yhhA</i>	1.982414176	1.084803723	0.067633576	0.999867943
<i>ypfJ</i>	1.963461667	1.119789158	0.079529793	0.999867943
<i>yjbJ</i>	1.919408425	1.135261645	0.090890485	0.999867943

<i>zipA</i>	1.906507148	1.201006827	0.112416631	0.999867943
<i>zapD</i>	1.892894089	1.175810744	0.107427791	0.999867943
<i>rrlA</i>	1.816835846	1.736745948	0.295507978	0.999867943
<i>thiS</i>	1.811938647	1.785336016	0.310153198	0.999867943
<i>fdoG</i>	1.809400852	1.263597497	0.152159849	0.999867943
<i>aldB</i>	1.79019205	1.07528406	0.095941687	0.999867943
<i>yraP</i>	1.785006701	1.241462538	0.150483525	0.999867943
<i>fliJ</i>	1.773174659	1.318787238	0.178770776	0.999867943
<i>tusB</i>	1.771340341	1.262494691	0.160602599	0.999867943
<i>tufA</i>	1.770950827	1.37077141	0.19637883	0.999867943
<i>yhiI</i>	1.765920891	1.270253219	0.164464601	0.999867943
<i>dppB</i>	1.75379208	1.193810177	0.141813494	0.999867943
<i>psrO</i>	1.738880467	1.521766609	0.253174698	0.999867943
<i>hycG</i>	1.729075734	1.349959133	0.200251412	0.999867943
<i>fliC</i>	1.712005752	0.972829613	0.078438201	0.999867943
<i>gutQ</i>	1.706036303	1.392958926	0.220666762	0.999867943
<i>nuoK</i>	1.70275822	1.614761847	0.29165637	0.999867943
<i>rrlD</i>	1.698706047	1.685558337	0.313550385	0.999867943
<i>yejL</i>	1.688143901	1.492739755	0.258095911	0.999867943
<i>rrsD</i>	1.672651065	1.570818233	0.286953821	0.999867943
<i>bdcA</i>	1.668574567	1.096320842	0.128014967	0.999867943
<i>coaD</i>	1.66302237	1.124632354	0.139213734	0.999867943
<i>dedD</i>	1.642812483	1.377963904	0.233181719	0.999867943
<i>cutA</i>	1.640520831	1.186192959	0.166660738	0.999867943
<i>yajO</i>	1.640504505	1.201049443	0.171972686	0.999867943
<i>ytjC</i>	1.633157646	1.258230032	0.194294145	0.999867943
<i>mog</i>	1.62045806	1.120922138	0.148276153	0.999867943
<i>ygaM</i>	1.61478313	1.101878353	0.142789401	0.999867943
<i>ypdI</i>	1.610330471	1.033198224	0.119093898	0.999867943
<i>osmY</i>	1.608894724	0.947365396	0.089454327	0.999867943
<i>ibpA</i>	1.591234305	1.028850523	0.121956426	0.999867943
<i>yjeI</i>	1.586728554	1.201653198	0.186683267	0.999867943
<i>gcvB</i>	1.582387718	1.30499524	0.225297301	0.999867943
<i>yncE</i>	1.561636311	1.029008941	0.129112241	0.999867943
<i>dps</i>	1.5582185	1.196668652	0.19287185	0.999867943
<i>nikR</i>	1.54675239	1.365078038	0.257177655	0.999867943
<i>rrsG</i>	1.542775119	1.494336057	0.301877698	0.999867943
<i>ydfD</i>	1.531945568	1.324077497	0.247276093	0.999867943
<i>ybgI</i>	1.531646961	1.124673879	0.173242467	0.999867943
<i>yiaS</i>	1.530264609	1.214620251	0.207715967	0.999867943
<i>yrdB</i>	1.524887351	1.218090489	0.210618312	0.999867943
<i>ubiF</i>	1.515222131	1.294071385	0.241640856	0.999867943
<i>lpoB</i>	1.512463302	1.387277148	0.275607988	0.999867943
<i>waaY</i>	1.5106915	0.822618474	0.066292244	0.999867943
<i>murE</i>	1.504183687	1.187025111	0.205088163	0.999867943
<i>yedP</i>	1.497077106	1.096701106	0.172230096	0.999867943
<i>dppC</i>	1.494969949	1.471700025	0.309719114	0.999867943
<i>putP</i>	1.493631017	1.146843196	0.192784915	0.999867943
<i>fadD</i>	1.488413071	1.008839287	0.140112603	0.999867943

<i>bfr</i>	1.486422625	0.860350818	0.084043167	0.999867943
<i>fabB</i>	1.484095779	1.205213821	0.218174699	0.999867943
<i>gabT</i>	1.478577546	1.521393226	0.331121403	0.999867943
<i>dgoK</i>	1.475165623	1.199752241	0.218862461	0.999867943
<i>ygdI</i>	1.469593993	1.315323603	0.263871622	0.999867943
<i>sibE</i>	1.457981446	1.837080811	0.427404839	0.999867943
<i>narG</i>	1.452075436	1.036654928	0.161294315	0.999867943
<i>folM</i>	1.444178463	1.130440337	0.201413005	0.999867943
<i>ydeJ</i>	1.441278296	0.988451843	0.144808335	0.999867943
<i>sroH</i>	1.438328922	1.75491716	0.412444558	0.999867943
<i>ucpA</i>	1.436121023	1.324888582	0.278384276	0.999867943
<i>yaaW</i>	1.433269598	0.936252848	0.125804641	0.999867943
<i>ydjA</i>	1.431322782	1.254917594	0.254048435	0.999867943
<i>yceK</i>	1.429459161	1.208611776	0.236916907	0.999867943
<i>glmZ</i>	1.425516125	1.574098702	0.365143458	0.999867943
<i>paaJ</i>	1.41594135	1.26406657	0.262650797	0.999867943
<i>lysC</i>	1.411623246	0.903323904	0.11812344	0.999867943
<i>soxS</i>	1.407447008	1.441410497	0.328847793	0.999867943
<i>rpsQ</i>	1.403467143	1.76467271	0.426431455	0.999867943
<i>rhsD</i>	1.400584413	1.167618167	0.230324791	0.999867943
<i>yacL</i>	1.39065422	1.273598325	0.274872844	0.999867943
<i>yidG</i>	1.379753894	1.057042127	0.191791743	0.999867943
<i>yagI</i>	1.376429182	1.331896985	0.301400297	0.999867943
<i>rsmJ</i>	1.375541463	1.492091114	0.3565868	0.999867943
<i>ilvB</i>	1.37509131	1.041308832	0.186654359	0.999867943
<i>yeaH</i>	1.370315144	1.029370286	0.183117645	0.999867943
<i>yhhM</i>	1.369905979	1.022322881	0.18024747	0.999867943
<i>yfcD</i>	1.365547075	1.10822411	0.217876632	0.999867943
<i>gadW</i>	1.360197894	0.735605986	0.064444556	0.999867943
<i>slt</i>	1.35665075	1.02481796	0.185570534	0.999867943
<i>cbpM</i>	1.346336371	1.397048647	0.335196143	0.999867943
<i>rrlE</i>	1.343643187	2.299046397	0.558927683	0.999867943
<i>cysS</i>	1.343580538	0.937483024	0.151806825	0.999867943
<i>lpp</i>	1.34226786	1.534775001	0.381808028	0.999867943
<i>yibF</i>	1.34210253	0.920200558	0.144705763	0.999867943
<i>yggF</i>	1.338805056	1.280224496	0.29567276	0.999867943
<i>dinI</i>	1.338524166	1.127809455	0.235292559	0.999867943
<i>cysQ</i>	1.336729862	1.014736509	0.18773232	0.999867943
<i>sibB</i>	1.335321061	1.742097799	0.443377794	0.999867943
<i>yggE</i>	1.32958772	0.957015198	0.164739478	0.999867943
<i>wecC</i>	1.325580425	0.992930974	0.181870554	0.999867943
<i>yrdD</i>	1.324287499	1.008451381	0.18911919	0.999867943
<i>rsmH</i>	1.321499877	1.197443593	0.269766282	0.999867943
<i>gcvH</i>	1.310073662	1.345013498	0.330045275	0.999867943
<i>sthA</i>	1.307544283	0.987045611	0.185269005	0.999867943
<i>ubiX</i>	1.306763066	1.056054152	0.215938036	0.999867943
<i>moeB</i>	1.305166248	1.243291496	0.293825301	0.999867943
<i>gpmM</i>	1.30381033	0.937867342	0.164472313	0.999867943
<i>recA</i>	1.301176388	1.009640466	0.197484243	0.999867943

<i>marB</i>	1.295918617	1.426867641	0.363758709	0.999867943
<i>dgoR</i>	1.289453644	1.174551905	0.272280467	0.999867943
<i>mukF</i>	1.283577994	1.049179048	0.221174211	0.999867943
<i>fucU</i>	1.275897503	0.986523984	0.195898197	0.999867943
<i>glnE</i>	1.27540821	1.083488332	0.239143037	0.999867943
<i>fadE</i>	1.275239122	1.182181931	0.28071414	0.999867943
<i>frwD</i>	1.268989735	1.232381044	0.303148198	0.999867943
<i>ytfB</i>	1.264029233	0.978631364	0.196485449	0.999867943
<i>thrB</i>	1.263478071	1.19625839	0.290880685	0.999867943
<i>uvrD</i>	1.255420067	1.144090653	0.272506683	0.999867943
<i>fepD</i>	1.254320494	1.545276204	0.416956441	0.999867943
<i>flgD</i>	1.251293297	1.142354462	0.273357451	0.999867943
<i>gnsA</i>	1.249585731	1.078398979	0.246561539	0.999867943
<i>yggR</i>	1.247243894	1.062300972	0.24035636	0.999867943
<i>rrsH</i>	1.237315573	1.258451805	0.325506763	0.999867943
<i>sucD</i>	1.236716852	1.471020118	0.400504502	0.999867943
<i>yqhC</i>	1.230822989	0.930582667	0.185956151	0.999867943
<i>hslO</i>	1.229943776	1.019997414	0.227882934	0.999867943
<i>rrlH</i>	1.229097734	1.379091422	0.372801871	0.999867943
<i>rrlG</i>	1.225010174	1.883889739	0.515527022	0.999867943
<i>bcsC</i>	1.224663299	1.077546077	0.255734873	0.999867943
<i>yagF</i>	1.224310438	1.666524005	0.462553198	0.999867943
<i>yibI</i>	1.222846905	0.933650455	0.190281068	0.999867943
<i>ydhR</i>	1.220035634	1.003491622	0.224064718	0.999867943
<i>mak</i>	1.216456642	1.155925778	0.292631798	0.999867943
<i>bax</i>	1.214849911	0.765829895	0.112667143	0.999867943
<i>yjdI</i>	1.214334598	1.337733332	0.36400749	0.999867943
<i>rng</i>	1.210942832	0.904405462	0.18059086	0.999867943
<i>dppA</i>	1.209868457	0.983012106	0.218406369	0.999867943
<i>fecD</i>	1.203422749	1.403757794	0.391286511	0.999867943
<i>bamE</i>	1.202030529	1.452161077	0.407810459	0.999867943
<i>emrD</i>	1.200212948	1.09296545	0.272149805	0.999867943
<i>glcB</i>	1.197952571	0.926147052	0.195845141	0.999867943
<i>fecB</i>	1.196798986	1.219039826	0.326220343	0.999867943
<i>insBI</i>	1.188293393	1.313869993	0.365771489	0.999867943
<i>lpxB</i>	1.187801835	1.14702663	0.300412777	0.999867943
<i>pyrL</i>	1.186189765	1.646676843	0.471307246	0.999867943
<i>ftsY</i>	1.176611125	1.037619332	0.256814437	0.999867943
<i>priA</i>	1.176408753	1.087786326	0.279487905	0.999867943
<i>valU</i>	1.175935756	2.204493831	0.593738275	0.999867943
<i>ybhB</i>	1.175921762	1.024171361	0.250898822	0.999867943
<i>ybdF</i>	1.174779912	0.881530934	0.182643816	0.999867943
<i>rimI</i>	1.170036446	1.158517999	0.312522888	0.999867943
<i>chaC</i>	1.16856283	1.020363673	0.252109129	0.999867943
<i>gyrB</i>	1.156650232	1.038911246	0.265567067	0.999867943
<i>ftsZ</i>	1.15584794	1.156231045	0.317470883	0.999867943
<i>dppF</i>	1.154697259	1.103492325	0.295375184	0.999867943
<i>pgaD</i>	1.153211274	0.978838974	0.238740014	0.999867943
<i>yihI</i>	1.149699375	1.024517498	0.261783289	0.999867943

<i>ynjC</i>	1.145703127	1.40290605	0.414120364	0.999867943
<i>tehB</i>	1.145606898	0.833678893	0.169392496	0.999867943
<i>ybgS</i>	1.138162377	1.048658437	0.277766271	0.999867943
<i>yhaM</i>	1.138023722	1.099363925	0.300591579	0.999867943
<i>tap</i>	1.132960613	1.041245118	0.276558679	0.999867943
<i>ynhG</i>	1.132045582	0.995117459	0.255287563	0.999867943
<i>sodA</i>	1.124871935	0.964933178	0.243715084	0.999867943
<i>fliE</i>	1.124224991	1.050427483	0.284504661	0.999867943
<i>yidF</i>	1.12143582	1.1256494	0.319125409	0.999867943
<i>ariR</i>	1.119739873	1.329957122	0.399823318	0.999867943
<i>osmE</i>	1.118081075	1.208407147	0.354834864	0.999867943
<i>fadM</i>	1.117452044	0.935758902	0.232412798	0.999867943
<i>nfi</i>	1.116183743	1.224781931	0.362120137	0.999867943
<i>lolD</i>	1.114407762	1.252190366	0.373483752	0.999867943
<i>dnaX</i>	1.113782958	1.29139756	0.388432638	0.999867943
<i>valT</i>	1.112188785	2.397999606	0.642792069	0.999867943
<i>yagG</i>	1.110985268	1.486005676	0.454682209	0.999867943
<i>yegR</i>	1.108151286	0.911181875	0.223920493	0.999867943
<i>yccJ</i>	1.108056169	1.091759848	0.310140792	0.999867943
<i>ycdZ</i>	1.10685247	1.341177363	0.409210267	0.999867943
<i>orn</i>	1.103952645	0.937974837	0.239214119	0.999867943
<i>mazE</i>	1.103225369	1.059887511	0.297927016	0.999867943
<i>ycgY</i>	1.103098758	0.816968352	0.176940813	0.999867943
<i>fabG</i>	1.103041524	1.26096608	0.381705008	0.999867943
<i>ompA</i>	1.102672389	1.298019078	0.39560091	0.999867943
<i>yhcF</i>	1.10118963	0.844608295	0.192306089	0.999867943
<i>zntA</i>	1.100515055	1.212814067	0.364192009	0.999867943
<i>glxK</i>	1.099712637	1.176559853	0.349950751	0.999867943
<i>rhsB</i>	1.099177944	1.176977508	0.350356071	0.999867943
<i>rrrQ</i>	1.08807328	1.041849471	0.296315593	0.999867943
<i>manY</i>	1.087684006	0.980672946	0.267378406	0.999867943
<i>diaA</i>	1.087549208	0.961550234	0.25803938	0.999867943
<i>rpoD</i>	1.086215046	0.918826037	0.237135461	0.999867943
<i>glnQ</i>	1.08611116	1.070545794	0.310325318	0.999867943
<i>ydeQ</i>	1.085104974	0.770277695	0.158918217	0.999867943
<i>asmA</i>	1.079049898	0.908384437	0.234881474	0.999867943
<i>fixX</i>	1.074900785	1.369404026	0.432488411	0.999867943
<i>eutJ</i>	1.073060323	1.258882594	0.393997056	0.999867943
<i>ycbU</i>	1.072109582	1.019758406	0.293103912	0.999867943
<i>ymjA</i>	1.071452037	1.223149731	0.381042091	0.999867943
<i>ypjF</i>	1.071187218	1.0531831	0.30910826	0.999867943
<i>ybiB</i>	1.068999618	1.19000704	0.369018335	0.999867943
<i>ycbB</i>	1.068396892	0.94148075	0.256457107	0.999867943
<i>cheB</i>	1.06063952	1.165005819	0.362603352	0.999867943
<i>yceH</i>	1.058440352	1.032051043	0.305094423	0.999867943
<i>glcE</i>	1.056641402	1.354642214	0.435381979	0.999867943
<i>narJ</i>	1.051973277	1.427597689	0.461193158	0.999867943
<i>ibaG</i>	1.048883847	1.333792825	0.431637939	0.999867943
<i>lptA</i>	1.047541649	1.028134307	0.30826171	0.999867943

<i>glpD</i>	1.046185821	0.939553762	0.26549708	0.999867943
<i>rpmF</i>	1.043552724	1.853671509	0.573458518	0.999867943
<i>ebgC</i>	1.042710014	0.948652526	0.271703292	0.999867943
<i>deoA</i>	1.041923325	1.244001105	0.402278878	0.999867943
<i>ahpF</i>	1.040367559	1.002771703	0.29950665	0.999867943
<i>ddlB</i>	1.040110813	0.968615278	0.282906902	0.999867943
<i>ybgT</i>	1.038565263	1.845824833	0.573668839	0.999867943
<i>yajD</i>	1.036048315	1.132260639	0.360177799	0.999867943
<i>nuoC</i>	1.035803723	1.169620256	0.375838631	0.999867943
<i>glnL</i>	1.027063285	0.980469942	0.29485915	0.999867943
<i>ihfA</i>	1.026293315	1.285773667	0.424759503	0.999867943
<i>yjbQ</i>	1.024780723	1.023076363	0.316504973	0.999867943
<i>moaE</i>	1.024375037	1.349689696	0.447870039	0.999867943
<i>yiiF</i>	1.022283714	1.514954803	0.499806107	0.999867943
<i>rluA</i>	1.01792388	0.91318104	0.264978543	0.999867943
<i>nanE</i>	1.017395113	1.545611946	0.510379143	0.999867943
<i>yjfY</i>	1.016890832	1.164413538	0.382495608	0.999867943
<i>can</i>	1.016445014	1.066599352	0.340601551	0.999867943
<i>yrbG</i>	1.015116321	0.879269333	0.248295296	0.999867943
<i>malT</i>	1.014169783	0.904781663	0.262330423	0.999867943
<i>appC</i>	1.006145996	0.941196471	0.285066333	0.999867943
<i>ratB</i>	0.998181526	1.375096725	0.467900606	0.999867943
<i>allR</i>	0.993846885	0.981084024	0.311055892	0.999867943
<i>flgE</i>	0.992998352	0.86029274	0.248395089	0.999867943
<i>priC</i>	0.990212969	1.479426333	0.503289934	0.999867943
<i>gspM</i>	0.988675586	0.759086585	0.192761131	0.999867943
<i>ymdB</i>	0.986149605	1.150387857	0.391316526	0.999867943
<i>ibpB</i>	0.985923843	0.828150829	0.233845054	0.999867943
<i>rrlC</i>	0.985347185	1.285041899	0.443211053	0.999867943
<i>yibQ</i>	0.984274388	0.847125742	0.245276573	0.999867943
<i>poxB</i>	0.983575269	0.943703703	0.297295745	0.999867943
<i>yedD</i>	0.983256586	1.33171207	0.46030773	0.999867943
<i>degP</i>	0.980575918	0.845398714	0.24609051	0.999867943
<i>gcd</i>	0.978459133	0.884609265	0.268686749	0.999867943
<i>ygeX</i>	0.976102623	1.122861805	0.38468362	0.999867943
<i>malM</i>	0.975875589	0.78142962	0.211725931	0.999867943
<i>cobU</i>	0.972520896	0.91927382	0.290090559	0.999867943
<i>nuoF</i>	0.971285813	1.162891031	0.403586122	0.999867943
<i>cpdA</i>	0.966693305	1.303468578	0.458310657	0.999867943
<i>pmbA</i>	0.965653999	0.906991021	0.287021363	0.999867943
<i>ycaL</i>	0.962704865	0.95443607	0.313136023	0.999867943
<i>glgA</i>	0.962195893	1.001628017	0.336737249	0.999867943
<i>csiD</i>	0.962161681	0.924979309	0.298247894	0.999867943
<i>phr</i>	0.95966861	0.961014823	0.3179889	0.999867943
<i>alsK</i>	0.9589217	0.875563249	0.27342661	0.999867943
<i>frlR</i>	0.955382426	0.772660801	0.21627885	0.999867943
<i>yceG</i>	0.954211272	0.895219895	0.286470674	0.999867943
<i>oxyR</i>	0.954017544	1.12790446	0.397646541	0.999867943
<i>yifE</i>	0.952105098	1.264910868	0.451627032	0.999867943

<i>mutH</i>	0.950023627	0.858967757	0.268723855	0.999867943
<i>ffh</i>	0.948571194	1.133539375	0.402692378	0.999867943
<i>eutC</i>	0.947364454	1.113632578	0.39493741	0.999867943
<i>agaI</i>	0.944712846	0.721463365	0.190385416	0.999867943
<i>ycaC</i>	0.938964047	0.854558143	0.27186779	0.999867943
<i>galE</i>	0.938933046	1.024616805	0.359470335	0.999867943
<i>yheT</i>	0.938914911	0.990559925	0.343199302	0.999867943
<i>yhiD</i>	0.932795798	0.792827555	0.239377916	0.999867943
<i>ygiB</i>	0.929661226	1.10936337	0.40202325	0.999867943
<i>ubiA</i>	0.923802889	0.835181662	0.268678859	0.999867943
<i>cheR</i>	0.922923974	1.097471758	0.400373343	0.999867943
<i>cobT</i>	0.922493832	0.828848167	0.265715776	0.999867943
<i>yrhD</i>	0.920329571	2.739794607	0.736937314	0.999867943
<i>ppdD</i>	0.9192604	1.015791352	0.365481437	0.999867943
<i>elfA</i>	0.918780605	0.835741806	0.271611335	0.999867943
<i>apaH</i>	0.9156346	1.023742257	0.37110816	0.999867943
<i>yjfJ</i>	0.912928163	0.815685617	0.263048122	0.999867943
<i>yedF</i>	0.912116374	1.236790295	0.460826438	0.999867943
<i>fecR</i>	0.910231207	1.42772529	0.523773517	0.999867943
<i>ssrS</i>	0.908992238	1.581941156	0.565558068	0.999867943
<i>tatB</i>	0.908316678	1.349777871	0.500986803	0.999867943
<i>yjfl</i>	0.907682302	0.96037419	0.344590468	0.999867943
<i>alsE</i>	0.907246594	0.745581116	0.22366833	0.999867943
<i>ilvE</i>	0.906657837	0.909083825	0.318603681	0.999867943
<i>sdaA</i>	0.906371726	1.037162181	0.382174975	0.999867943
<i>nuoE</i>	0.904876266	1.28540209	0.48145545	0.999867943
<i>tar</i>	0.904017541	1.017079523	0.374090884	0.999867943
<i>ybiJ</i>	0.903961303	1.172978935	0.440911845	0.999867943
<i>yehY</i>	0.902940444	1.293313195	0.485076702	0.999867943
<i>kbl</i>	0.90179604	0.72299942	0.212288094	0.999867943
<i>sspB</i>	0.901149242	1.43622827	0.530369861	0.999867943
<i>yfbT</i>	0.900911173	1.216940298	0.459112861	0.999867943
<i>ydhW</i>	0.899142289	1.084298075	0.406969161	0.999867943
<i>cueR</i>	0.895320459	1.399511028	0.522342912	0.999867943
<i>ytfP</i>	0.893022644	1.211900094	0.46119648	0.999867943
<i>frlD</i>	0.892124502	1.197844821	0.45640794	0.999867943
<i>yhfS</i>	0.88903625	1.094046697	0.416440142	0.999867943
<i>nadK</i>	0.887729525	0.91013499	0.329370679	0.999867943
<i>cbeA</i>	0.887448549	1.254854666	0.479434608	0.999867943
<i>gntX</i>	0.885937359	1.117454351	0.427884162	0.999867943
<i>hemH</i>	0.88559845	0.813030174	0.276040764	0.999867943
<i>yehL</i>	0.88528137	1.001739081	0.37683417	0.999867943
<i>queF</i>	0.885220425	0.766468856	0.248117731	0.999867943
<i>ygbJ</i>	0.884593596	0.819907151	0.280634609	0.999867943
<i>prlC</i>	0.884229688	0.874760132	0.312100044	0.999867943
<i>argF</i>	0.88413684	1.038798555	0.394705577	0.999867943
<i>panD</i>	0.883971871	0.998609362	0.376047226	0.999867943
<i>frsA</i>	0.883675202	0.921974038	0.337830871	0.999867943
<i>ugpB</i>	0.883261866	0.746108401	0.236482297	0.999867943

<i>ybaQ</i>	0.880765306	0.855171454	0.303043651	0.999867943
<i>bglH</i>	0.877211638	0.578834756	0.129651266	0.999867943
<i>yjaB</i>	0.877024849	0.881009399	0.319504184	0.999867943
<i>fic</i>	0.873555652	0.817427558	0.285220962	0.999867943
<i>arsR</i>	0.872201512	0.985544155	0.376159404	0.999867943
<i>aldA</i>	0.871235338	0.891600769	0.328490652	0.999867943
<i>dam</i>	0.871202668	1.467448608	0.552722616	0.999867943
<i>clpB</i>	0.870228619	0.781350913	0.26538698	0.999867943
<i>ygeR</i>	0.86942097	0.746614603	0.244227809	0.999867943
<i>amiD</i>	0.868924132	1.315125387	0.508794584	0.999867943
<i>ybiI</i>	0.868375573	1.164473304	0.455834219	0.999867943
<i>ybgC</i>	0.867918882	1.155438314	0.452556454	0.999867943
<i>glcC</i>	0.867535259	1.015416716	0.392903461	0.999867943
<i>ydE</i>	0.866845939	0.669091761	0.195128449	0.999867943
<i>fldA</i>	0.866198666	1.12204489	0.440124979	0.999867943
<i>yccX</i>	0.86512427	1.123367191	0.441230441	0.999867943
<i>waaR</i>	0.862759016	0.740959726	0.244269869	0.999867943
<i>sdaC</i>	0.862269773	1.06750189	0.419237145	0.999867943
<i>agaB</i>	0.853072264	0.933549314	0.360824817	0.999867943
<i>fecC</i>	0.853037982	1.491834504	0.567454292	0.999867943
<i>hflX</i>	0.852193308	1.001539317	0.394834055	0.999867943
<i>treB</i>	0.848332094	0.766953056	0.268680238	0.999867943
<i>yjdK</i>	0.847651325	1.270792768	0.504755773	0.999867943
<i>gadY</i>	0.847560708	3.14457991	0.787521349	0.999867943
<i>pdxA</i>	0.846961687	1.157452473	0.464323366	0.999867943
<i>cstA</i>	0.844357688	1.040301226	0.416994039	0.999867943
<i>gspL</i>	0.843682403	0.654561284	0.1974231	0.999867943
<i>folB</i>	0.840332163	1.063721508	0.429532066	0.999867943
<i>glyS</i>	0.838825907	0.945133392	0.374798367	0.999867943
<i>spy</i>	0.834307918	0.976172686	0.392732497	0.999867943
<i>yaiV</i>	0.83411659	0.766921517	0.276764389	0.999867943
<i>gadE</i>	0.833381309	0.886748369	0.34731137	0.999867943
<i>ydcN</i>	0.832591659	0.945670826	0.378629449	0.999867943
<i>dtd</i>	0.831484353	1.118445307	0.457222167	0.999867943
<i>garL</i>	0.830952645	0.955569628	0.384525161	0.999867943
<i>entD</i>	0.830943864	0.771688269	0.281575453	0.999867943
<i>yqeH</i>	0.830155784	0.998910456	0.405939022	0.999867943
<i>ygjR</i>	0.827880961	0.843937741	0.326605575	0.999867943
<i>allB</i>	0.826221526	0.745938881	0.268023238	0.999867943
<i>copA</i>	0.82529979	1.158356219	0.476170717	0.999867943
<i>ybjP</i>	0.821454831	0.971348104	0.397728316	0.999867943
<i>yhaJ</i>	0.820868189	0.967227877	0.396058668	0.999867943
<i>fnt</i>	0.817413792	0.981668726	0.405026447	0.999867943
<i>ubiE</i>	0.815188534	1.071557167	0.446805613	0.999867943
<i>ydcT</i>	0.815141318	1.020622647	0.424481429	0.999867943
<i>ydcL</i>	0.814984187	0.727100238	0.262343587	0.999867943
<i>ravA</i>	0.81474749	0.657188338	0.215068864	0.999867943
<i>yjjZ</i>	0.814287268	1.272676682	0.522287956	0.999867943
<i>ythA</i>	0.813155678	2.762211628	0.768463172	0.999867943

<i>visC</i>	0.811872469	0.896630531	0.365216197	0.999867943
<i>psiF</i>	0.80965045	0.976797236	0.407170717	0.999867943
<i>yraQ</i>	0.809454742	1.097795084	0.460912005	0.999867943
<i>yagE</i>	0.808376572	1.35697123	0.551361472	0.999867943
<i>fadH</i>	0.808067156	1.099522898	0.462385011	0.999867943
<i>ratA</i>	0.806911665	0.919041246	0.379947586	0.999867943
<i>yjdC</i>	0.805250208	0.940019547	0.391648657	0.999867943
<i>envC</i>	0.803348941	1.114198382	0.47090294	0.999867943
<i>bglJ</i>	0.802005831	0.724800804	0.268501963	0.999867943
<i>dinF</i>	0.799761587	0.98164262	0.415233937	0.999867943
<i>ybaE</i>	0.798490789	0.807565366	0.32277909	0.999867943
<i>hyaC</i>	0.798140109	0.924725718	0.388076934	0.999867943
<i>ynjB</i>	0.797762971	1.286109381	0.53506576	0.999867943
<i>napH</i>	0.797255046	1.25254068	0.524443869	0.999867943
<i>yegP</i>	0.796692036	0.945545043	0.39946652	0.999867943
<i>rnhB</i>	0.791284603	1.397700969	0.571303391	0.999867943
<i>ynfG</i>	0.789408907	1.058304733	0.455716747	0.999867943
<i>mqsA</i>	0.789230024	0.826461724	0.339602737	0.999867943
<i>yraR</i>	0.788830456	1.060131323	0.456823547	0.999867943
<i>rfaH</i>	0.784389238	0.886458073	0.376233393	0.999867943
<i>yegI</i>	0.784269225	0.804892214	0.329868914	0.999867943
<i>uspB</i>	0.782428712	1.172354048	0.504516873	0.999867943
<i>yijF</i>	0.780409603	0.73957766	0.291329378	0.999867943
<i>ssuC</i>	0.780278941	1.136195982	0.492242307	0.999867943
<i>ispD</i>	0.779299133	0.946096018	0.410110134	0.999867943
<i>yafT</i>	0.779135084	0.651749132	0.231910311	0.999867943
<i>acpT</i>	0.77622736	1.187316746	0.513262553	0.999867943
<i>fliO</i>	0.774649832	1.353468793	0.567088902	0.999867943
<i>yhcG</i>	0.773450838	0.715191238	0.279492469	0.999867943
<i>aceF</i>	0.773068299	0.937198884	0.40944476	0.999867943
<i>ybdN</i>	0.771065218	0.63494119	0.224599442	0.999867943
<i>ugpC</i>	0.770709377	1.247237819	0.53661952	0.999867943
<i>hyaF</i>	0.768822654	0.964775794	0.425513431	0.999867943
<i>argP</i>	0.768122409	0.896320787	0.391459994	0.999867943
<i>yniC</i>	0.767882787	0.890771179	0.388664024	0.999867943
<i>yqjF</i>	0.767603699	0.836517615	0.358818842	0.999867943
<i>dsbC</i>	0.765027348	0.981938046	0.43592116	0.999867943
<i>glpE</i>	0.764805703	1.091434745	0.48346888	0.999867943
<i>folD</i>	0.764213591	1.066368776	0.473589849	0.999867943
<i>tyrA</i>	0.763935298	0.843268874	0.364977469	0.999867943
<i>nusA</i>	0.759010964	0.923670825	0.411228771	0.999867943
<i>pepQ</i>	0.757737751	0.985140989	0.441794292	0.999867943
<i>torD</i>	0.755436794	1.200337174	0.529117439	0.999867943
<i>ryfA</i>	0.754236451	1.471783939	0.60832623	0.999867943
<i>ygjH</i>	0.751579497	1.020412677	0.461399306	0.999867943
<i>yicJ</i>	0.751259362	0.58873197	0.201933082	0.999867943
<i>fecI</i>	0.750707221	0.97183616	0.439840408	0.999867943
<i>mlaB</i>	0.750277385	1.238092074	0.544518192	0.999867943
<i>gcvR</i>	0.746680445	0.964215507	0.438699215	0.999867943

<i>groL</i>	0.745923003	0.811043148	0.357725286	0.999867943
<i>nrfB</i>	0.742663727	1.091866335	0.496391606	0.999867943
<i>yegS</i>	0.741695605	0.69118926	0.283238967	0.999867943
<i>atoS</i>	0.741255676	0.681424782	0.276682245	0.999867943
<i>ydjG</i>	0.740579321	0.745674298	0.320628436	0.999867943
<i>kefG</i>	0.740474202	0.985501554	0.452431294	0.999867943
<i>yihS</i>	0.739131853	0.770614879	0.337485412	0.999867943
<i>fadB</i>	0.739098857	0.907298356	0.415292718	0.999867943
<i>cpxP</i>	0.738921944	1.124885071	0.511253827	0.999867943
<i>insA</i>	0.738214917	1.568079602	0.637800398	0.999867943
<i>cbrC</i>	0.737993516	0.738319752	0.317524391	0.999867943
<i>hemE</i>	0.736940652	1.091849517	0.499709382	0.999867943
<i>rne</i>	0.735733024	0.983923538	0.454608392	0.999867943
<i>gtrA</i>	0.73439178	1.144806689	0.521198852	0.999867943
<i>dacC</i>	0.733998511	0.728515327	0.313681821	0.999867943
<i>pabC</i>	0.732944545	0.913070644	0.422133755	0.999867943
<i>yecT</i>	0.732905037	0.884751256	0.407458662	0.999867943
<i>yhgA</i>	0.730502094	0.672065955	0.277058904	0.999867943
<i>ompL</i>	0.728975596	0.771180932	0.344520126	0.999867943
<i>pstA</i>	0.72862094	0.920080022	0.428412921	0.999867943
<i>yidX</i>	0.728488766	0.748263667	0.330268954	0.999867943
<i>ygdD</i>	0.728003093	1.32011185	0.581311001	0.999867943
<i>uspA</i>	0.727585142	1.285622603	0.571434629	0.999867943
<i>abgR</i>	0.727497916	0.748621583	0.331158389	0.999867943
<i>csdE</i>	0.725476386	1.235841717	0.557183438	0.999867943
<i>valZ</i>	0.725415491	2.300148957	0.752474961	0.999867943
<i>yobB</i>	0.724222797	0.82026861	0.37728527	0.999867943
<i>rnlB</i>	0.718916253	1.066561805	0.500279366	0.999867943
<i>holC</i>	0.718273994	1.142329865	0.529493198	0.999867943
<i>insG</i>	0.717151594	0.678661534	0.290641831	0.999867943
<i>rseX</i>	0.715825164	2.890355414	0.804397552	0.999867943
<i>ybbM</i>	0.715133609	0.784875649	0.362220263	0.999867943
<i>yidR</i>	0.714193172	0.8920695	0.423361738	0.999867943
<i>lsrD</i>	0.712462742	0.970978696	0.463096646	0.999867943
<i>hfq</i>	0.712008572	1.278762924	0.577667623	0.999867943
<i>tolC</i>	0.71148679	1.062421069	0.503059014	0.999867943
<i>allC</i>	0.711440616	0.749780399	0.342689116	0.999867943
<i>tabA</i>	0.711157292	1.044388208	0.495914555	0.999867943
<i>rtn</i>	0.710986996	0.729619682	0.329826966	0.999867943
<i>glmM</i>	0.710905645	0.914526503	0.436953291	0.999867943
<i>nagB</i>	0.710824418	0.883066651	0.420848588	0.999867943
<i>caiA</i>	0.710213995	0.943759986	0.451728388	0.999867943
<i>chrR</i>	0.710213627	0.993109558	0.474521757	0.999867943
<i>rrfC</i>	0.709216447	1.561642023	0.649722378	0.999867943
<i>aspV</i>	0.708882744	1.835767799	0.699385175	0.999867943
<i>dctR</i>	0.708358893	0.94280799	0.452454739	0.999867943
<i>btuE</i>	0.707515691	0.917683252	0.44071862	0.999867943
<i>yfcJ</i>	0.706960014	1.109198083	0.523889482	0.999867943
<i>wecE</i>	0.705828194	0.968977072	0.466352788	0.999867943

<i>hokA</i>	0.705491366	2.75569027	0.797941126	0.999867943
<i>ypfH</i>	0.705164784	1.119778294	0.528867278	0.999867943
<i>hflK</i>	0.704116199	1.109541589	0.525688677	0.999867943
<i>waaZ</i>	0.702381544	1.088388697	0.518706411	0.999867943
<i>yfbN</i>	0.70208709	0.671211127	0.29556086	0.999867943
<i>plaP</i>	0.700551512	0.746951404	0.348305581	0.999867943
<i>recD</i>	0.699415222	1.034524858	0.498993747	0.999867943
<i>tdcR</i>	0.699164767	2.644586609	0.791490338	0.999867943
<i>yhhL</i>	0.698761852	1.183311789	0.554846287	0.999867943
<i>yhaH</i>	0.698734947	0.933597243	0.454199049	0.999867943
<i>ftsA</i>	0.695129651	0.99818253	0.486181288	0.999867943
<i>ptsP</i>	0.69318698	0.85547429	0.417770353	0.999867943
<i>yihA</i>	0.692815558	0.907634026	0.445272345	0.999867943
<i>hldD</i>	0.692204309	0.77766003	0.373405899	0.999867943
<i>yciA</i>	0.688541598	0.986502486	0.485200737	0.999867943
<i>yjhQ</i>	0.686953732	0.925566541	0.457967317	0.999867943
<i>yoaG</i>	0.686268059	2.916577977	0.813976624	0.999867943
<i>mltA</i>	0.686206079	0.832792133	0.409949545	0.999867943
<i>zur</i>	0.685767928	0.95858673	0.474365146	0.999867943
<i>ygbA</i>	0.685527885	0.959663148	0.475015603	0.999867943
<i>ryjA</i>	0.685111755	2.817220543	0.807860443	0.999867943
<i>ygiW</i>	0.685099378	0.974200364	0.481904459	0.999867943
<i>xylB</i>	0.684449282	0.793991521	0.388667702	0.999867943
<i>ydcS</i>	0.683304984	0.840164868	0.416046829	0.999867943
<i>prfA</i>	0.68306901	1.072330669	0.524128261	0.999867943
<i>motA</i>	0.682810335	0.990522297	0.490606985	0.999867943
<i>yidB</i>	0.682304811	0.880649753	0.438473028	0.999867943
<i>ygdG</i>	0.681699849	0.921474877	0.459426144	0.999867943
<i>kdsC</i>	0.680686981	0.915922785	0.457378338	0.999867943
<i>gsiC</i>	0.68021775	0.893442741	0.446451306	0.999867943
<i>yfdR</i>	0.680050498	0.973896792	0.485003487	0.999867943
<i>ygcE</i>	0.679602322	0.66404228	0.306103491	0.999867943
<i>yieE</i>	0.678760411	0.780516053	0.384502473	0.999867943
<i>fdhF</i>	0.678191462	0.776208976	0.382269244	0.999867943
<i>dut</i>	0.677604198	0.998026683	0.497173364	0.999867943
<i>mrcB</i>	0.675901883	0.858840561	0.431285709	0.999867943
<i>yjgH</i>	0.675004446	0.979032454	0.490533368	0.999867943
<i>rob</i>	0.673674301	1.011835887	0.505542757	0.999867943
<i>cdh</i>	0.672633563	0.741869822	0.364579584	0.999867943
<i>queG</i>	0.670381518	0.792520066	0.397616421	0.999867943
<i>mrcA</i>	0.669706408	0.824617033	0.416709959	0.999867943
<i>malE</i>	0.669332749	0.600349209	0.264890838	0.999867943
<i>amiB</i>	0.6686314	1.007958066	0.507104885	0.999867943
<i>yggI</i>	0.668487722	1.017138785	0.511037085	0.999867943
<i>preA</i>	0.667156126	0.776938153	0.390506523	0.999867943
<i>rlmL</i>	0.666536125	0.850091756	0.432995806	0.999867943
<i>kup</i>	0.666070993	0.667100062	0.318057613	0.999867943
<i>yfhG</i>	0.664953071	1.0148704	0.512332661	0.999867943
<i>lysP</i>	0.664857793	0.764295116	0.384356863	0.999867943

<i>pyrH</i>	0.664562933	1.025756251	0.517065106	0.999867943
<i>nuoL</i>	0.662653555	1.130109972	0.557632268	0.999867943
<i>yncD</i>	0.662252523	0.669069557	0.322266423	0.999867943
<i>rimL</i>	0.661290905	0.927527892	0.475870097	0.999867943
<i>cusS</i>	0.658369017	0.749442696	0.379684302	0.999867943
<i>hspQ</i>	0.6572335	1.432324922	0.646336266	0.999867943
<i>emrA</i>	0.656918632	0.837098453	0.432596223	0.999867943
<i>ytjA</i>	0.6569132	1.186880274	0.579935518	0.999867943
<i>glnG</i>	0.656703017	1.069007069	0.539009702	0.999867943
<i>micC</i>	0.656616222	3.319853121	0.843213501	0.999867943
<i>uspE</i>	0.656552899	1.197704715	0.583571106	0.999867943
<i>chiA</i>	0.656308467	0.609293941	0.281407761	0.999867943
<i>aspU</i>	0.656178654	1.834492122	0.720575658	0.999867943
<i>yicN</i>	0.655195067	0.963172222	0.496348043	0.999867943
<i>apaG</i>	0.65479313	1.202236048	0.585996968	0.999867943
<i>cysB</i>	0.653976531	0.765570717	0.392975352	0.999867943
<i>exbB</i>	0.652056106	1.076358063	0.544648562	0.999867943
<i>gspJ</i>	0.64982216	0.760916024	0.39310508	0.999867943
<i>rbbA</i>	0.649249068	0.940119405	0.489815204	0.999867943
<i>speB</i>	0.649064633	0.896591869	0.469112216	0.999867943
<i>yjeO</i>	0.648935703	0.924592229	0.482765531	0.999867943
<i>waaL</i>	0.648842189	0.62080355	0.295946682	0.999867943
<i>yrfF</i>	0.647641074	0.77248397	0.401812984	0.999867943
<i>yhbO</i>	0.645672298	0.840132327	0.442168557	0.999867943
<i>bcsB</i>	0.645362185	0.728860268	0.375919256	0.999867943
<i>rlmJ</i>	0.643806032	0.860822538	0.454522681	0.999867943
<i>ompC</i>	0.643136518	1.25492154	0.608307126	0.999867943
<i>trmJ</i>	0.642200578	1.169889016	0.583045628	0.999867943
<i>secF</i>	0.640168545	0.936757264	0.494361787	0.999867943
<i>ymdF</i>	0.639966989	1.124066254	0.569130794	0.999867943
<i>mtlA</i>	0.639471955	0.737769457	0.386071369	0.999867943
<i>artQ</i>	0.639277071	1.051865714	0.543349712	0.999867943
<i>aaeB</i>	0.63873313	0.818177361	0.434991857	0.999867943
<i>napC</i>	0.638733107	1.059116597	0.546454799	0.999867943
<i>nepI</i>	0.636952042	0.688343729	0.354789036	0.999867943
<i>rbsC</i>	0.635821989	1.258036192	0.61327206	0.999867943
<i>gcvT</i>	0.633650626	0.910474423	0.486456049	0.999867943
<i>rnpA</i>	0.633476851	1.300313195	0.62613608	0.999867943
<i>yohF</i>	0.633095152	0.990991394	0.522920321	0.999867943
<i>caiT</i>	0.632216236	0.698556356	0.365448146	0.999867943
<i>yecD</i>	0.632094109	0.96645321	0.513089334	0.999867943
<i>sfsA</i>	0.632020839	0.919999543	0.492095638	0.999867943
<i>yagH</i>	0.631030501	1.858977643	0.734270539	0.999867943
<i>livH</i>	0.630711847	1.017638963	0.535402915	0.999867943
<i>mutL</i>	0.629418159	1.11368093	0.571958685	0.999867943
<i>ytfR</i>	0.629116871	0.942667896	0.50453	0.999867943
<i>pka</i>	0.628921276	0.908636703	0.488837342	0.999867943
<i>fliF</i>	0.628358827	0.974306967	0.518973191	0.999867943
<i>puuA</i>	0.628316859	0.835861336	0.452231568	0.999867943

<i>zupT</i>	0.628029591	0.735715042	0.393309157	0.999867943
<i>yaeF</i>	0.627355603	0.70128953	0.371014685	0.999867943
<i>ynjD</i>	0.62712939	0.950917965	0.509575427	0.999867943
<i>paaZ</i>	0.625909048	0.793757213	0.430381106	0.999867943
<i>tktB</i>	0.623381822	0.846144041	0.461285034	0.999867943
<i>yghS</i>	0.621877018	0.705847569	0.378298412	0.999867943
<i>alkA</i>	0.620887625	1.182104735	0.599416988	0.999867943
<i>appY</i>	0.620528397	0.872327109	0.476868435	0.999867943
<i>yjdO</i>	0.619839988	2.82048293	0.82605513	0.999867943
<i>ecpR</i>	0.619519578	0.589647749	0.29341456	0.999867943
<i>grpE</i>	0.619256996	0.788335408	0.432145949	0.999867943
<i>ybhD</i>	0.619212547	0.683317952	0.364837887	0.999867943
<i>yfcQ</i>	0.618960437	1.138098006	0.586541169	0.999867943
<i>dsbD</i>	0.618305268	0.870313253	0.477431382	0.999867943
<i>yhaK</i>	0.618078226	0.844665525	0.464325344	0.999867943
<i>sfmA</i>	0.614684961	1.009711452	0.542674984	0.999867943
<i>yadV</i>	0.614546957	0.957932788	0.521175456	0.999867943
<i>malY</i>	0.611822797	0.782432595	0.434244237	0.999867943
<i>yihX</i>	0.61103657	0.82482939	0.45881254	0.999867943
<i>rfbC</i>	0.610484125	0.891638743	0.493548059	0.999867943
<i>leuD</i>	0.609739061	0.936384352	0.514941122	0.999867943
<i>fdoH</i>	0.607964611	1.172826042	0.604196112	0.999867943
<i>yiaV</i>	0.606230684	0.67490194	0.36905227	0.999867943
<i>yeiP</i>	0.605965373	0.928974666	0.514210993	0.999867943
<i>gor</i>	0.605671271	0.827834048	0.464392185	0.999867943
<i>livF</i>	0.605604254	1.159502283	0.601463744	0.999867943
<i>insH1</i>	0.604307452	1.447238769	0.67626964	0.999867943
<i>ycaN</i>	0.603046568	0.747563686	0.419849409	0.999867943
<i>insH1</i>	0.602494608	1.579866365	0.702937654	0.999867943
<i>pgm</i>	0.600905276	0.958203734	0.530582938	0.999867943
<i>sgcX</i>	0.600509272	0.733045512	0.412673569	0.999867943
<i>yfjX</i>	0.599525288	0.989935192	0.544766624	0.999867943
<i>prkB</i>	0.599445264	0.769314096	0.435865187	0.999867943
<i>yihY</i>	0.598011987	0.726460441	0.41040229	0.999867943
<i>gcvP</i>	0.59710141	1.010705136	0.554669807	0.999867943
<i>phoH</i>	0.596940101	0.8023689	0.456893335	0.999867943
<i>ydfU</i>	0.595480755	0.86854972	0.492963155	0.999867943
<i>ykgI</i>	0.594431768	0.909277917	0.513279029	0.999867943
<i>ygfB</i>	0.594213259	1.062198654	0.575876343	0.999867943
<i>hda</i>	0.594137623	0.913874102	0.51560779	0.999867943
<i>phnL</i>	0.593303896	1.573273075	0.706088607	0.999867943
<i>zitB</i>	0.590998057	0.899540843	0.511181114	0.999867943
<i>chpS</i>	0.589852479	1.332538849	0.658016656	0.999867943
<i>ypdB</i>	0.588622684	0.832557211	0.479562943	0.999867943
<i>tldD</i>	0.588614492	0.800713493	0.462270986	0.999867943
<i>insH1</i>	0.588424994	1.513767523	0.697486569	0.999867943
<i>cmtB</i>	0.588130531	0.966326595	0.542773025	0.999867943
<i>mscS</i>	0.586921762	0.769651662	0.445713297	0.999867943
<i>paal</i>	0.585310432	1.292090508	0.650552402	0.999867943

<i>yhhX</i>	0.584160696	0.67022677	0.383433924	0.999867943
<i>insH1</i>	0.583897561	2.587398693	0.821458304	0.999867943
<i>ymgE</i>	0.583129887	0.97903686	0.551431875	0.999867943
<i>gstA</i>	0.582723341	0.908075544	0.521059933	0.999867943
<i>wcaK</i>	0.581902122	0.856211221	0.496742253	0.999867943
<i>rybB</i>	0.58169056	3.422590171	0.86504455	0.999867943
<i>ydeA</i>	0.578595217	0.72654177	0.425817691	0.999867943
<i>pgi</i>	0.578004121	0.688109636	0.400914883	0.999867943
<i>yoaK</i>	0.576813891	3.524613894	0.870004262	0.999867943
<i>yggP</i>	0.575406325	0.787905461	0.465207629	0.999867943
<i>ynfN</i>	0.574153883	2.913879355	0.843795405	0.999867943
<i>yjtD</i>	0.573353305	0.778557435	0.461468856	0.999867943
<i>yciN</i>	0.57290347	1.336102863	0.668078277	0.999867943
<i>dsdC</i>	0.572610685	0.661718439	0.386852823	0.999867943
<i>yiiM</i>	0.571452837	0.743873193	0.442360827	0.999867943
<i>wecA</i>	0.570873706	0.657993139	0.385614296	0.999867943
<i>yqcG</i>	0.570372591	2.850648555	0.841413947	0.999867943
<i>yibD</i>	0.570128457	0.668353433	0.393640239	0.999867943
<i>ilvA</i>	0.569548338	1.216827689	0.6397417	0.999867943
<i>dppD</i>	0.568900418	1.02697832	0.579609215	0.999867943
<i>menA</i>	0.568659163	0.749768265	0.448183693	0.999867943
<i>yafO</i>	0.568056638	0.830999658	0.49423898	0.999867943
<i>rnpB</i>	0.567153745	1.312244605	0.665595158	0.999867943
<i>racR</i>	0.56563214	0.942337583	0.548343874	0.999867943
<i>acrE</i>	0.56496278	0.651028224	0.38550342	0.999867943
<i>yheS</i>	0.562469375	0.916832611	0.539551141	0.999867943
<i>ybiY</i>	0.559438073	1.001455553	0.576417698	0.999867943
<i>nuoG</i>	0.558565639	1.150769751	0.627403725	0.999867943
<i>insH1</i>	0.558316491	1.156854635	0.629368456	0.999867943
<i>insH1</i>	0.557717652	1.216060882	0.646502459	0.999867943
<i>cadC</i>	0.557416564	0.684618977	0.415530558	0.999867943
<i>tsgA</i>	0.557123433	0.66354063	0.401120256	0.999867943
<i>ulaD</i>	0.556786744	1.157367237	0.630459327	0.999867943
<i>recQ</i>	0.555183769	0.853924451	0.515591713	0.999867943
<i>zinT</i>	0.554685052	0.912724097	0.543370024	0.999867943
<i>rsmB</i>	0.553393593	0.703406073	0.431437497	0.999867943
<i>purL</i>	0.552824175	0.960349238	0.564852386	0.999867943
<i>idnK</i>	0.552411131	0.882079009	0.531144173	0.999867943
<i>yjbS</i>	0.55222033	2.608602474	0.832347313	0.999867943
<i>yibT</i>	0.551914761	1.324423469	0.676882664	0.999867943
<i>yadM</i>	0.551595168	0.875864898	0.528843783	0.999867943
<i>mobA</i>	0.551159603	0.87532098	0.528913324	0.999867943
<i>yfjP</i>	0.550060439	0.783697382	0.482754862	0.999867943
<i>msyB</i>	0.549950053	0.932226584	0.555236413	0.999867943
<i>rrfH</i>	0.548128587	1.600036792	0.731920101	0.999867943
<i>ftnB</i>	0.547734952	0.760576081	0.471427718	0.999867943
<i>hslJ</i>	0.546782438	1.006358254	0.586904111	0.999867943
<i>xylF</i>	0.546728804	0.626048322	0.38249888	0.999867943
<i>yfcO</i>	0.546669444	0.722471551	0.449250167	0.999867943

<i>ybgK</i>	0.544388397	1.156878499	0.637950254	0.999867943
<i>paoD</i>	0.544317054	1.240154654	0.660726298	0.999867943
<i>ytfL</i>	0.54341229	0.641927669	0.39725605	0.999867943
<i>acrB</i>	0.541301168	0.830158901	0.514371982	0.999867943
<i>nrdA</i>	0.540555997	0.881770507	0.539853337	0.999867943
<i>pliG</i>	0.539864806	0.970117358	0.577872972	0.999867943
<i>gadX</i>	0.539769752	0.928172132	0.560876183	0.999867943
<i>fusA</i>	0.539707986	1.300702156	0.678188847	0.999867943
<i>hns</i>	0.538707544	1.101077763	0.624661341	0.999867943
<i>nirB</i>	0.538260097	0.702709147	0.443689096	0.999867943
<i>galS</i>	0.537914978	0.981360039	0.583601174	0.999867943
<i>bolA</i>	0.537322375	1.063289893	0.613320409	0.999867943
<i>glgS</i>	0.537006396	2.626509207	0.837996926	0.999867943
<i>ygeI</i>	0.536974485	2.196412996	0.806860699	0.999867943
<i>agp</i>	0.536779883	0.96483938	0.577977638	0.999867943
<i>smf</i>	0.536659307	0.727367151	0.460629456	0.999867943
<i>gss</i>	0.535320623	0.699132013	0.443858879	0.999867943
<i>ttcA</i>	0.535165191	0.710930862	0.451590025	0.999867943
<i>yjbM</i>	0.533857966	1.027974908	0.603530801	0.999867943
<i>map</i>	0.533728361	0.88877312	0.548157991	0.999867943
<i>atpG</i>	0.533351022	1.209580995	0.659257405	0.999867943
<i>nhaB</i>	0.531456511	0.806120669	0.509718152	0.999867943
<i>glmS</i>	0.530170277	0.685405733	0.43921881	0.999867943
<i>paaK</i>	0.530127817	0.887387659	0.550238526	0.999867943
<i>hyi</i>	0.528329719	0.706544087	0.45460125	0.999867943
<i>rsfS</i>	0.52828645	1.326885121	0.690526764	0.999867943
<i>rsxD</i>	0.527911787	0.858284959	0.538503525	0.999867943
<i>yhjC</i>	0.527827839	0.699001544	0.450178878	0.999867943
<i>ydgJ</i>	0.527338239	0.807654302	0.513804189	0.999867943
<i>rpoN</i>	0.526698707	0.90776746	0.56177082	0.999867943
<i>ynbE</i>	0.52614731	3.073526515	0.86407685	0.999867943
<i>yjbL</i>	0.525611352	2.496435188	0.83324252	0.999867943
<i>ftsP</i>	0.524872057	0.864009651	0.543529744	0.999867943
<i>soxR</i>	0.524061326	0.967297049	0.58797069	0.999867943
<i>ydiU</i>	0.522891023	0.931828111	0.574698446	0.999867943
<i>rsmG</i>	0.522876761	0.998001752	0.600331617	0.999867943
<i>rlmB</i>	0.521797414	0.906405679	0.564833142	0.999867943
<i>gadB</i>	0.520744801	1.082984152	0.630628446	0.999867943
<i>fbp</i>	0.520360828	0.852664409	0.541678834	0.999867943
<i>ymgD</i>	0.518508562	0.916724599	0.571658957	0.999867943
<i>yiaU</i>	0.517861477	0.707684876	0.464309899	0.999867943
<i>sstT</i>	0.517077049	0.832966837	0.534753947	0.999867943
<i>zapC</i>	0.516570001	0.864905836	0.55033663	0.999867943
<i>secA</i>	0.516371243	0.767013962	0.500805594	0.999867943
<i>yhfW</i>	0.515819469	0.82625053	0.532437527	0.999867943
<i>nanR</i>	0.515499195	0.807727882	0.523337646	0.999867943
<i>torY</i>	0.515213322	0.716613116	0.472168011	0.999867943
<i>kdpD</i>	0.514947386	1.018031648	0.612978453	0.999867943
<i>htrE</i>	0.514814938	0.603399436	0.393553421	0.999867943

<i>wcaF</i>	0.513812536	0.971158669	0.596755735	0.999867943
<i>lsrF</i>	0.513581053	0.920107916	0.576725026	0.999867943
<i>eutH</i>	0.513192032	0.978391438	0.599912539	0.999867943
<i>yigZ</i>	0.511716618	0.9876782	0.604388117	0.999867943
<i>kdgK</i>	0.511530166	0.922666862	0.579302414	0.999867943
<i>gspG</i>	0.511281802	0.912897896	0.57543537	0.999867943
<i>csgC</i>	0.511270533	1.025873932	0.618219334	0.999867943
<i>tyrV</i>	0.511206539	1.910532194	0.789028134	0.999867943
<i>higA</i>	0.510815678	0.878301331	0.5608395	0.999867943
<i>ybbO</i>	0.510558666	0.991911683	0.606747368	0.999867943
<i>tauB</i>	0.50881911	1.164276253	0.66209242	0.999867943
<i>crl</i>	0.508537035	0.837486705	0.543706222	0.999867943
<i>yicH</i>	0.508421432	0.74992618	0.497795805	0.999867943
<i>yjeH</i>	0.507371201	0.715720059	0.478388919	0.999867943
<i>yqeK</i>	0.507262967	1.212280962	0.675627785	0.999867943
<i>yhjB</i>	0.505460244	0.926109178	0.585210954	0.999867943
<i>yihL</i>	0.505384774	0.687347748	0.462176319	0.999867943
<i>yhiM</i>	0.504830264	0.760860974	0.507011214	0.999867943
<i>rfbB</i>	0.504361621	0.711319699	0.478293111	0.999867943
<i>yjhH</i>	0.50375318	0.809795548	0.533892866	0.999867943
<i>gnsB</i>	0.503531211	2.495907943	0.840117878	0.999867943
<i>gnd</i>	0.502891811	0.7128661	0.48052987	0.999867943
<i>rsxC</i>	0.502038078	1.139406548	0.659492719	0.999867943
<i>metE</i>	0.50183507	0.81590433	0.538511088	0.999867943
<i>nfsB</i>	0.501688047	0.828689783	0.54491385	0.999867943
<i>fixA</i>	0.501183211	0.828099067	0.545031952	0.999867943
<i>htpG</i>	0.500516311	0.649748764	0.441108413	0.999867943
<i>quuQ</i>	0.500502782	0.724942276	0.489940392	0.999867943
<i>ymiB</i>	0.498882441	3.512158395	0.887044933	0.999867943
<i>fldB</i>	0.49883076	0.969106375	0.606739806	0.999867943
<i>yqeI</i>	0.497520629	0.81135445	0.539745669	0.999867943
<i>ykfF</i>	0.497350992	1.182327016	0.674007507	0.999867943
<i>yaeQ</i>	0.497021726	0.922037648	0.589854351	0.999867943
<i>yhfA</i>	0.495809156	1.065175625	0.641593667	0.999867943
<i>ybbP</i>	0.495778328	0.969203391	0.608978746	0.999867943
<i>bdcR</i>	0.495189128	0.855037993	0.562492799	0.999867943
<i>aroM</i>	0.494168659	0.699326458	0.479793238	0.999867943
<i>glgB</i>	0.493751412	0.59253347	0.404681959	0.999867943
<i>narL</i>	0.493716106	0.889648953	0.578924694	0.999867943
<i>ybaZ</i>	0.49343739	1.228841314	0.688017534	0.999867943
<i>rlmN</i>	0.492804911	0.925610352	0.594441535	0.999867943
<i>hsrA</i>	0.492748903	0.631793535	0.43543751	0.999867943
<i>yfjR</i>	0.491934225	0.954298644	0.606208593	0.999867943
<i>insC1</i>	0.489500284	1.256223593	0.696787861	0.999867943
<i>yfcG</i>	0.488773814	0.800520334	0.541484195	0.999867943
<i>yohC</i>	0.488677857	0.849514437	0.565126469	0.999867943
<i>rhaA</i>	0.488554982	0.984657111	0.619776149	0.999867943
<i>yhhT</i>	0.488493432	0.633792276	0.440856967	0.999867943
<i>flhE</i>	0.488331529	1.124287269	0.664036009	0.999867943

<i>galM</i>	0.486576914	1.005216633	0.628349112	0.999867943
<i>gldA</i>	0.486400659	0.7780742	0.531883096	0.999867943
<i>yfjK</i>	0.486207682	0.649874315	0.454365776	0.999867943
<i>ydbK</i>	0.486038826	0.893192755	0.586332102	0.999867943
<i>ydeH</i>	0.485753073	0.657055098	0.45973202	0.999867943
<i>miaB</i>	0.485605949	0.864170392	0.574161599	0.999867943
<i>pncB</i>	0.483932936	0.780924724	0.535460472	0.999867943
<i>glgP</i>	0.483849478	0.669475824	0.469846501	0.999867943
<i>trpR</i>	0.483642225	1.26383673	0.701958697	0.999867943
<i>yjcD</i>	0.483600444	0.679902962	0.476911595	0.999867943
<i>yfcA</i>	0.482705242	0.993801813	0.62716868	0.999867943
<i>alaU</i>	0.482400224	2.604504577	0.853058324	0.999867943
<i>ybjC</i>	0.481712236	0.942473592	0.609270648	0.999867943
<i>ybfE</i>	0.480190461	1.364892832	0.72497663	0.999867943
<i>nlpD</i>	0.479357099	1.075178395	0.655713119	0.999867943
<i>upp</i>	0.478429761	0.986491991	0.627689904	0.999867943
<i>yfeR</i>	0.478207649	0.919114731	0.602860369	0.999867943
<i>yqeG</i>	0.477789615	0.885611428	0.589540144	0.999867943
<i>bglG</i>	0.477729522	0.915137242	0.601649118	0.999867943
<i>kduI</i>	0.477352182	0.785006776	0.543129971	0.999867943
<i>ykfG</i>	0.477270429	1.372874188	0.72810813	0.999867943
<i>tdcB</i>	0.476626758	0.627489914	0.447507613	0.999867943
<i>mtlR</i>	0.476326693	0.803758519	0.553432727	0.999867943
<i>aslB</i>	0.476124573	0.71685488	0.506571632	0.999867943
<i>eutE</i>	0.475579962	1.442651728	0.741659294	0.999867943
<i>glnH</i>	0.475400816	0.827708363	0.565725653	0.999867943
<i>cyoD</i>	0.47490081	1.306933797	0.716328351	0.999867943
<i>motB</i>	0.474680643	0.761439555	0.533022367	0.999867943
<i>cheZ</i>	0.474493005	0.979825807	0.628199506	0.999867943
<i>ribD</i>	0.474429462	1.013370346	0.639663118	0.999867943
<i>ycjZ</i>	0.474114109	0.7881254	0.547459126	0.999867943
<i>ycgB</i>	0.473953959	0.699728207	0.498190207	0.999867943
<i>thrU</i>	0.473273472	2.79618955	0.86559483	0.999867943
<i>yjjA</i>	0.473013345	0.776534222	0.542435667	0.999867943
<i>ygcW</i>	0.471953889	0.767807694	0.538767915	0.999867943
<i>fabI</i>	0.471134786	0.954333745	0.621532708	0.999867943
<i>mglB</i>	0.471110081	0.91542217	0.606806734	0.999867943
<i>trkA</i>	0.470333198	0.689792696	0.495335594	0.999867943
<i>fucP</i>	0.470002554	0.596519554	0.430750497	0.999867943
<i>yrfG</i>	0.469003686	0.789071552	0.552261934	0.999867943
<i>hupA</i>	0.468383234	1.296968171	0.717997012	0.999867943
<i>viaA</i>	0.468185562	0.706912896	0.507781559	0.999867943
<i>aphA</i>	0.467603192	0.692414708	0.499470928	0.999867943
<i>yeaM</i>	0.466245088	1.01626467	0.646389909	0.999867943
<i>iap</i>	0.465646478	0.66623822	0.484602721	0.999867943
<i>yhjV</i>	0.465591899	0.59006043	0.430078112	0.999867943
<i>yiaA</i>	0.465588282	0.952010637	0.624800736	0.999867943
<i>sgcC</i>	0.464218959	0.670233228	0.488546163	0.999867943
<i>yafX</i>	0.464014829	0.872400569	0.594807193	0.999867943

<i>ydbC</i>	0.462883026	0.9170829	0.613745597	0.999867943
<i>yfgC</i>	0.461683985	0.856050041	0.589666815	0.999867943
<i>yphF</i>	0.46056991	0.833468556	0.580541298	0.999867943
<i>glpQ</i>	0.459642534	0.739218611	0.534076587	0.999867943
<i>fliL</i>	0.459635795	0.895878209	0.607912067	0.999867943
<i>wecH</i>	0.459600067	0.714505818	0.520067161	0.999867943
<i>nrdF</i>	0.459365091	0.666829324	0.490899063	0.999867943
<i>valX</i>	0.458586921	2.197533135	0.834696027	0.999867943
<i>tpx</i>	0.4577487	1.235931024	0.711108676	0.999867943
<i>blr</i>	0.455343564	2.820956497	0.871766868	0.999867943
<i>sdhA</i>	0.455316783	1.085188479	0.674796745	0.999867943
<i>yidL</i>	0.454272812	0.961452598	0.636579992	0.999867943
<i>blc</i>	0.45340712	0.893121301	0.611687752	0.999867943
<i>yiaJ</i>	0.453175659	0.827376161	0.583879871	0.999867943
<i>chaA</i>	0.45197164	0.731614877	0.536725233	0.999867943
<i>uhpT</i>	0.450484958	0.617301892	0.465534196	0.999867943
<i>yifK</i>	0.45046601	0.644551005	0.48462489	0.999867943
<i>sufE</i>	0.450130302	0.919369071	0.62441143	0.999867943
<i>glgC</i>	0.449773943	0.709477703	0.526112944	0.999867943
<i>waaJ</i>	0.449471683	0.843685668	0.594208173	0.999867943
<i>safA</i>	0.448931314	2.787209884	0.872039563	0.999867943
<i>frvA</i>	0.447548882	0.940535204	0.634184878	0.999867943
<i>yjfM</i>	0.447544113	0.765208429	0.558638067	0.999867943
<i>qseC</i>	0.446985119	0.723848089	0.536896852	0.999867943
<i>yfiE</i>	0.446968509	0.727660279	0.539047247	0.999867943
<i>xapR</i>	0.446926907	0.755426718	0.55410388	0.999867943
<i>yhjX</i>	0.446606365	0.622030669	0.47276884	0.999867943
<i>nrdE</i>	0.44495343	0.771188349	0.563958944	0.999867943
<i>ycgJ</i>	0.444406027	0.930036856	0.63276622	0.999867943
<i>frvR</i>	0.442674513	0.62212388	0.476741221	0.999867943
<i>ftsW</i>	0.441488718	0.770722239	0.566763409	0.999867943
<i>yifB</i>	0.440142181	0.586489639	0.452972402	0.999867943
<i>plsY</i>	0.440016974	0.776145367	0.570764471	0.999867943
<i>pdhR</i>	0.439609393	0.897820355	0.624388166	0.999867943
<i>aceK</i>	0.4389666	0.755220398	0.561076663	0.999867943
<i>hokE</i>	0.438700198	2.922885143	0.880692431	0.999867943
<i>ylaB</i>	0.438699272	0.609050408	0.471340038	0.999867943
<i>yhjZ</i>	0.43834341	0.813126334	0.589828884	0.999867943
<i>dnaG</i>	0.437550505	0.679138378	0.519398435	0.999867943
<i>coaA</i>	0.437422734	0.770494321	0.570227138	0.999867943
<i>hycE</i>	0.437184442	0.941827312	0.642513434	0.999867943
<i>glpF</i>	0.437164978	0.893127681	0.624504415	0.999867943
<i>yciK</i>	0.436960464	0.875745861	0.617808924	0.999867943
<i>moaB</i>	0.436500488	0.993620293	0.660441918	0.999867943
<i>ybiC</i>	0.434747663	1.055976826	0.680557934	0.999867943
<i>dcrB</i>	0.434638918	1.018779445	0.669650958	0.999867943
<i>lsrA</i>	0.434616596	0.860159336	0.613366036	0.999867943
<i>pepD</i>	0.434521654	0.822789028	0.597424221	0.999867943
<i>glyQ</i>	0.434376125	0.88603647	0.623959602	0.999867943

<i>yiaG</i>	0.434374671	2.39938567	0.856339487	0.999867943
<i>rraB</i>	0.434125279	1.060040585	0.682146009	0.999867943
<i>yafZ</i>	0.433846113	0.939691609	0.644303724	0.999867943
<i>basS</i>	0.433267965	0.741299092	0.558903341	0.999867943
<i>treF</i>	0.432177287	0.612100216	0.480153052	0.999867943
<i>yibB</i>	0.432123342	0.814787701	0.595868703	0.999867943
<i>yjjV</i>	0.431716791	1.113937979	0.698342347	0.999867943
<i>yihO</i>	0.431478099	0.659811967	0.513149817	0.999867943
<i>waaC</i>	0.431081569	0.674795615	0.52293171	0.999867943
<i>rtcB</i>	0.43090827	0.627073118	0.491973159	0.999867943
<i>fepA</i>	0.429284025	0.656048046	0.512887335	0.999867943
<i>hslU</i>	0.429190117	0.751895491	0.568127856	0.999867943
<i>ogrK</i>	0.428538869	2.880301382	0.881725142	0.999867943
<i>asnA</i>	0.427149345	0.841844307	0.611876233	0.999867943
<i>dhaL</i>	0.425774158	1.095593427	0.697554136	0.999867943
<i>yjjT</i>	0.425515607	0.917267968	0.642723301	0.999867943
<i>waaP</i>	0.425487301	0.778117534	0.584504988	0.999867943
<i>proV</i>	0.425292381	0.6485937	0.512007751	0.999867943
<i>scpC</i>	0.42501447	0.792442065	0.591726997	0.999867943
<i>yfdF</i>	0.424518901	0.832838536	0.610243902	0.999867943
<i>dauA</i>	0.42280698	0.887987638	0.633974204	0.999867943
<i>betB</i>	0.421510826	1.342203407	0.753487678	0.999867943
<i>tsaC</i>	0.42098639	0.914090013	0.645119737	0.999867943
<i>melR</i>	0.420486342	0.79154965	0.595266916	0.999867943
<i>cspI</i>	0.42005496	2.434194366	0.862993943	0.999867943
<i>yedQ</i>	0.419056602	0.674838485	0.534617268	0.999867943
<i>yicO</i>	0.418775952	0.587031561	0.475611302	0.999867943
<i>djlA</i>	0.41715377	0.704820769	0.553945719	0.999867943
<i>hcaC</i>	0.416905235	1.34887072	0.757262775	0.999867943
<i>nrfA</i>	0.416098734	0.604620223	0.491327784	0.999867943
<i>ilvC</i>	0.415878383	0.688053478	0.545559515	0.999867943
<i>atpA</i>	0.415670958	1.221690538	0.733673967	0.999867943
<i>yceO</i>	0.415630227	2.639710913	0.874887899	0.999867943
<i>fhuC</i>	0.41555874	1.082774155	0.701133521	0.999867943
<i>ydaG</i>	0.415283204	3.130652166	0.894469633	0.999867943
<i>cysG</i>	0.412308181	0.783943191	0.598928922	0.999867943
<i>rep</i>	0.41227611	0.647303295	0.524181287	0.999867943
<i>tyrS</i>	0.411149384	0.853206375	0.629885952	0.999867943
<i>cho</i>	0.409534973	0.886709847	0.644182397	0.999867943
<i>groS</i>	0.408699108	1.066514102	0.701563898	0.999867943
<i>pyrF</i>	0.40833405	0.934387841	0.662106254	0.999867943
<i>fhuE</i>	0.408063463	0.598981159	0.495705343	0.999867943
<i>ydjI</i>	0.407828632	0.751645045	0.587418037	0.999867943
<i>mhpA</i>	0.407430343	1.23042632	0.740546737	0.999867943
<i>folP</i>	0.407194713	0.821750413	0.620232293	0.999867943
<i>yhjX</i>	0.406989089	0.783887277	0.603625892	0.999867943
<i>yiaO</i>	0.406173481	0.72329495	0.57441587	0.999867943
<i>fliD</i>	0.405699511	0.727451772	0.577049579	0.999867943
<i>yjfZ</i>	0.405178132	0.982168872	0.679948007	0.999867943

<i>emrB</i>	0.404895641	0.991845249	0.683108781	0.999867943
<i>yihR</i>	0.404828202	0.766143285	0.597223468	0.999867943
<i>uspG</i>	0.404067542	1.111430285	0.716189324	0.999867943
<i>nfuA</i>	0.40396087	0.971455995	0.677534161	0.999867943
<i>tmk</i>	0.403874626	0.996951338	0.6853969	0.999867943
<i>envR</i>	0.403114953	0.84127795	0.631817866	0.999867943
<i>yjfL</i>	0.403050046	0.668591615	0.546618839	0.999867943
<i>yjcC</i>	0.402686245	0.670806684	0.548305333	0.999867943
<i>aceE</i>	0.40222635	0.841961952	0.632845884	0.999867943
<i>yjiI</i>	0.401486543	0.723964173	0.579190957	0.999867943
<i>alsC</i>	0.401116928	0.761522184	0.598380782	0.999867943
<i>gmhA</i>	0.40056626	0.894400092	0.654254048	0.999867943
<i>metH</i>	0.400266609	0.730264166	0.583614949	0.999867943
<i>ryhB</i>	0.399951511	3.055522683	0.895858663	0.999867943
<i>raiA</i>	0.399858644	1.597038254	0.802297269	0.999867943
<i>secB</i>	0.399402851	1.02630877	0.697154526	0.999867943
<i>arsC</i>	0.398245495	1.026079223	0.697924617	0.999867943
<i>ompR</i>	0.39822208	0.935398589	0.670308621	0.999867943
<i>php</i>	0.398135381	0.830698648	0.631741047	0.999867943
<i>recF</i>	0.398116765	0.906416723	0.660501805	0.999867943
<i>fes</i>	0.397868225	0.905873601	0.660509795	0.999867943
<i>grxD</i>	0.397048285	1.321546995	0.763839995	0.999867943
<i>agaR</i>	0.396657945	0.893286731	0.657011313	0.999867943
<i>tag</i>	0.396252089	0.947335304	0.675741888	0.999867943
<i>xanP</i>	0.396115536	0.711480814	0.577699602	0.999867943
<i>yfdY</i>	0.394928956	2.594794442	0.879028816	0.999867943
<i>ydcJ</i>	0.39458233	0.725327733	0.586437637	0.999867943
<i>glpX</i>	0.394067522	1.088854213	0.717419085	0.999867943
<i>damX</i>	0.393787288	0.774904981	0.611330667	0.999867943
<i>flgJ</i>	0.393564768	1.107226112	0.722251653	0.999867943
<i>yjgL</i>	0.392435542	0.820077995	0.632269887	0.999867943
<i>sfmF</i>	0.392147322	0.903552634	0.664284038	0.999867943
<i>ygeG</i>	0.391316783	2.025523406	0.846807883	0.999867943
<i>yccU</i>	0.391160863	0.834037504	0.639071973	0.999867943
<i>yjcB</i>	0.390468299	1.276355646	0.759662229	0.999867943
<i>yjiH</i>	0.390194595	0.763012233	0.609080043	0.999867943
<i>ycfT</i>	0.389989519	0.701690251	0.578357253	0.999867943
<i>mtlD</i>	0.389660529	0.740620482	0.598799879	0.999867943
<i>tyrB</i>	0.389556317	0.638572226	0.54183353	0.999867943
<i>fnr</i>	0.388480765	0.90926786	0.669200393	0.999867943
<i>yhhZ</i>	0.387401645	0.91488231	0.671971173	0.999867943
<i>yfdQ</i>	0.385165298	0.801035375	0.630634258	0.999867943
<i>phoR</i>	0.384974169	0.708941161	0.587111235	0.999867943
<i>sppA</i>	0.384505048	0.661321057	0.560957666	0.999867943
<i>yadD</i>	0.384008387	0.732489536	0.600103959	0.999867943
<i>yigA</i>	0.383857125	1.16644907	0.742093883	0.999867943
<i>insHI</i>	0.38326018	0.977259967	0.694926456	0.999867943
<i>sgcQ</i>	0.383120907	0.756792162	0.612685912	0.999867943
<i>emrK</i>	0.383007288	0.883307025	0.664574526	0.999867943

<i>nfrA</i>	0.382813312	0.93510692	0.68226141	0.999867943
<i>hemC</i>	0.382572442	0.944170756	0.685334824	0.999867943
<i>rpoH</i>	0.382545482	1.102652766	0.728642438	0.999867943
<i>ydfB</i>	0.382406548	3.078934478	0.90115618	0.999867943
<i>nikD</i>	0.381959201	1.077120217	0.72288067	0.999867943
<i>trpB</i>	0.381756526	0.98761829	0.699094871	0.999867943
<i>paoB</i>	0.381559663	1.366401189	0.780057394	0.999867943
<i>puuR</i>	0.381539577	0.843473321	0.651021626	0.999867943
<i>msrA</i>	0.381294754	0.89063099	0.668565543	0.999867943
<i>fadJ</i>	0.38087091	0.7767404	0.623889663	0.999867943
<i>suhB</i>	0.380621961	1.050656118	0.717149728	0.999867943
<i>rseP</i>	0.379018754	0.705739907	0.591231964	0.999867943
<i>ydaV</i>	0.377829344	0.77790277	0.62717809	0.999867943
<i>yciU</i>	0.376717501	0.936334722	0.687439645	0.999867943
<i>opgD</i>	0.37543624	0.750936234	0.617104968	0.999867943
<i>purA</i>	0.374936725	1.145478732	0.743426774	0.999867943
<i>insC1</i>	0.373959444	1.411973552	0.791125973	0.999867943
<i>yihM</i>	0.373610783	1.052691324	0.722656942	0.999867943
<i>dicB</i>	0.373403762	2.423111327	0.877530138	0.999867943
<i>insC1</i>	0.372585619	1.337650231	0.780599859	0.999867943
<i>pqiA</i>	0.372212888	0.782440501	0.63428271	0.999867943
<i>tas</i>	0.371179388	1.020508232	0.716067009	0.999867943
<i>yigM</i>	0.371079757	0.848997185	0.662053274	0.999867943
<i>ychJ</i>	0.370453166	0.956773655	0.698615572	0.999867943
<i>hcaE</i>	0.369669139	0.742262219	0.618462626	0.999867943
<i>yddH</i>	0.369557762	0.832374289	0.657056848	0.999867943
<i>ygfI</i>	0.369431242	0.770878681	0.631772198	0.999867943
<i>ygeH</i>	0.368797176	0.962881085	0.701709199	0.999867943
<i>hisD</i>	0.368743767	1.246708403	0.767402781	0.999867943
<i>sbcD</i>	0.368423213	0.839327895	0.660697565	0.999867943
<i>glmU</i>	0.368233151	0.677102245	0.58655375	0.999867943
<i>ygeA</i>	0.367435562	0.803147313	0.64731558	0.999867943
<i>dnaQ</i>	0.367243279	0.918309806	0.689221199	0.999867943
<i>prfC</i>	0.367017475	0.719968445	0.610213422	0.999867943
<i>mcbR</i>	0.366537079	0.827729457	0.657894257	0.999867943
<i>yghJ</i>	0.36552841	0.526636859	0.487631685	0.999867943
<i>degQ</i>	0.365222645	0.708722447	0.606325686	0.999867943
<i>bcsZ</i>	0.364385064	0.963352075	0.705247089	0.999867943
<i>ygbT</i>	0.364343894	0.753484838	0.628708752	0.999867943
<i>trmH</i>	0.363887153	0.962649577	0.705426263	0.999867943
<i>ccmA</i>	0.363787161	1.226170923	0.766706611	0.999867943
<i>valY</i>	0.362903378	2.220305841	0.870166128	0.999867943
<i>yeaG</i>	0.361882907	0.614842776	0.556144422	0.999867943
<i>gloB</i>	0.361308824	0.773991842	0.640634256	0.999867943
<i>rpiR</i>	0.360420612	0.669729598	0.590467693	0.999867943
<i>dnaT</i>	0.36017283	1.095289986	0.742278235	0.999867943
<i>alaT</i>	0.35964927	2.624678882	0.891010237	0.999867943
<i>slp</i>	0.35935504	1.229004428	0.76998445	0.999867943
<i>sgcR</i>	0.358995823	0.724197614	0.620095305	0.999867943

<i>yqjH</i>	0.358716367	1.064627714	0.736161632	0.999867943
<i>yafE</i>	0.35796402	1.017238502	0.724914888	0.999867943
<i>lptB</i>	0.357677938	1.036729896	0.73008993	0.999867943
<i>yehT</i>	0.357409671	0.795231177	0.653113401	0.999867943
<i>cheA</i>	0.357380632	0.896907823	0.690292172	0.999867943
<i>ubiD</i>	0.3573504	0.704074364	0.611771496	0.999867943
<i>ycgX</i>	0.356541708	0.888257599	0.688129704	0.999867943
<i>ygcB</i>	0.356460867	0.607849214	0.557586752	0.999867943
<i>lptD</i>	0.356181988	0.717082949	0.619393848	0.999867943
<i>yhaC</i>	0.355537172	0.884771073	0.687801146	0.999867943
<i>ftnA</i>	0.354997674	0.784846683	0.651042304	0.999867943
<i>yfeN</i>	0.354677612	0.735458985	0.629625931	0.999867943
<i>yjgA</i>	0.35438168	0.81203939	0.662539669	0.999867943
<i>lolB</i>	0.353851534	0.912903898	0.698303975	0.999867943
<i>hdfR</i>	0.353791579	0.742957039	0.633936274	0.999867943
<i>ydiY</i>	0.353543229	0.74550467	0.635333464	0.999867943
<i>mpl</i>	0.353344346	0.849368745	0.677404017	0.999867943
<i>gltJ</i>	0.353118232	0.791143928	0.655352532	0.999867943
<i>yhcM</i>	0.351834703	0.61062934	0.564490987	0.999867943
<i>phoB</i>	0.351625457	0.820755592	0.66834772	0.999867943
<i>gmd</i>	0.351204491	0.999206022	0.725225603	0.999867943
<i>gpr</i>	0.350946939	0.874873531	0.688316909	0.999867943
<i>talA</i>	0.350725994	0.707751574	0.620212235	0.999867943
<i>ydjX</i>	0.350634066	0.75302358	0.641476851	0.999867943
<i>ybgE</i>	0.350587991	1.105775515	0.751204384	0.999867943
<i>hrpA</i>	0.35047585	0.835612753	0.674906456	0.999867943
<i>waaB</i>	0.350382143	1.020849023	0.731428287	0.999867943
<i>yciV</i>	0.350273	1.080837763	0.745880902	0.999867943
<i>ylcI</i>	0.350002589	2.004767061	0.861405606	0.999867943
<i>ruvA</i>	0.348425466	1.094907492	0.750315289	0.999867943
<i>uhpC</i>	0.348115613	0.764187813	0.648723154	0.999867943
<i>yqaB</i>	0.347190316	0.911038979	0.703134455	0.999867943
<i>nanA</i>	0.346713129	0.751353393	0.64447473	0.999867943
<i>ddlA</i>	0.346609575	0.77660156	0.655369118	0.999867943
<i>dcuD</i>	0.345879807	0.642886073	0.590569424	0.999867943
<i>mukB</i>	0.345648952	0.941912996	0.713645245	0.999867943
<i>higB</i>	0.345371934	0.937237297	0.712500453	0.999867943
<i>exoX</i>	0.344512003	0.970328254	0.722554483	0.999867943
<i>uacT</i>	0.34447059	0.702558199	0.623915278	0.999867943
<i>yccS</i>	0.344425425	0.821142575	0.674889805	0.999867943
<i>gspK</i>	0.344064895	0.733065836	0.638819048	0.999867943
<i>lexA</i>	0.343968139	0.979399926	0.7254361	0.999867943
<i>fumB</i>	0.342798691	0.73707532	0.641874458	0.999867943
<i>mioC</i>	0.342662862	0.961898651	0.721663885	0.999867943
<i>yaiS</i>	0.342639639	1.119926469	0.759643983	0.999867943
<i>yqcA</i>	0.342232828	1.078237815	0.750940005	0.999867943
<i>hpf</i>	0.342067189	1.20579923	0.776651769	0.999867943
<i>hcaR</i>	0.341244858	0.685664312	0.618706066	0.999867943
<i>cpxR</i>	0.341020504	0.897302952	0.703907872	0.999867943

<i>fumC</i>	0.339545061	0.909059791	0.708767153	0.999867943
<i>yieL</i>	0.338618329	0.821898412	0.680342827	0.999867943
<i>gpp</i>	0.336925148	0.764020221	0.659220359	0.999867943
<i>yiaY</i>	0.336897088	0.810729432	0.677740699	0.999867943
<i>yfbR</i>	0.335947752	0.88765041	0.705082563	0.999867943
<i>clpX</i>	0.335793217	0.969915328	0.729185805	0.999867943
<i>yfcS</i>	0.335537266	0.743480682	0.651769047	0.999867943
<i>ydeM</i>	0.335316197	0.740212741	0.650548912	0.999867943
<i>hdhA</i>	0.334983197	0.769234444	0.663216901	0.999867943
<i>rluF</i>	0.334528083	0.705705993	0.635476219	0.999867943
<i>ansA</i>	0.33441032	0.795908046	0.674367109	0.999867943
<i>rpe</i>	0.334279323	0.887120143	0.706311808	0.999867943
<i>yafC</i>	0.333085602	0.677799404	0.623127941	0.999867943
<i>alaS</i>	0.332128918	0.781228104	0.670736858	0.999867943
<i>yfaQ</i>	0.330786928	0.803522886	0.680580714	0.999867943
<i>xylR</i>	0.330471975	0.704064012	0.638799657	0.999867943
<i>yciF</i>	0.33018093	0.895127893	0.712228703	0.999867943
<i>yibH</i>	0.330178767	0.676956475	0.625733998	0.999867943
<i>tamB</i>	0.329981004	0.659929719	0.617057852	0.999867943
<i>ycjY</i>	0.329979449	0.750723254	0.660263985	0.999867943
<i>xerD</i>	0.329908125	0.825596949	0.689451528	0.999867943
<i>yedI</i>	0.328933211	0.815938284	0.686848976	0.999867943
<i>stfR</i>	0.328819782	0.722195276	0.648889171	0.999867943
<i>psd</i>	0.32818303	0.814022268	0.686828885	0.999867943
<i>yojO</i>	0.328085391	3.326654708	0.921437435	0.999867943
<i>dinJ</i>	0.327343237	0.87453556	0.708177239	0.999867943
<i>creD</i>	0.326758409	0.621187588	0.598872841	0.999867943
<i>malS</i>	0.32654466	0.575642271	0.570530674	0.999867943
<i>purD</i>	0.326302755	1.166702585	0.779723434	0.999867943
<i>gntT</i>	0.325753488	0.689775123	0.636740919	0.999867943
<i>creC</i>	0.325727674	0.871231442	0.708500717	0.999867943
<i>yqiH</i>	0.325542964	0.848881149	0.701351653	0.999867943
<i>hypE</i>	0.325467235	1.112316069	0.769825472	0.999867943
<i>ompT</i>	0.325168614	1.10221696	0.767983753	0.999867943
<i>rppH</i>	0.324297279	0.869259619	0.709094126	0.999867943
<i>pyrD</i>	0.324228053	0.698145369	0.642351604	0.999867943
<i>yhdY</i>	0.324162334	0.64584703	0.615725111	0.999867943
<i>fsaB</i>	0.324000704	0.896143457	0.717688304	0.999867943
<i>yfeA</i>	0.323360767	0.586590748	0.58145925	0.999867943
<i>endA</i>	0.32318672	1.038747008	0.755700797	0.999867943
<i>cadA</i>	0.322824234	0.847312839	0.703204963	0.999867943
<i>cpsB</i>	0.322662857	1.008138246	0.748924253	0.999867943
<i>yieK</i>	0.322580632	0.759397198	0.670993323	0.999867943
<i>ygbL</i>	0.322067719	0.828217636	0.697373453	0.999867943
<i>dnaK</i>	0.32158049	0.715504129	0.653109933	0.999867943
<i>yfeS</i>	0.321477423	0.905719355	0.722633387	0.999867943
<i>flgL</i>	0.321181136	0.779413042	0.680280214	0.999867943
<i>yqhD</i>	0.320889162	0.770176959	0.676939245	0.999867943
<i>thiP</i>	0.320725021	1.073505056	0.765119868	0.999867943

<i>cspH</i>	0.320030495	2.098002905	0.878760619	0.999867943
<i>yfhL</i>	0.319360268	2.208190083	0.88500668	0.999867943
<i>leuS</i>	0.318384624	0.773031404	0.680438333	0.999867943
<i>cynX</i>	0.318311553	1.248786996	0.798802966	0.999867943
<i>hchA</i>	0.317729599	0.754181821	0.673543002	0.999867943
<i>acrZ</i>	0.317492679	2.73791483	0.907683063	0.999867943
<i>corA</i>	0.316920092	0.831573854	0.703122537	0.999867943
<i>fabD</i>	0.315590493	1.162578229	0.78603924	0.999867943
<i>lamB</i>	0.314185411	0.748329746	0.674595849	0.999867943
<i>clsC</i>	0.313678078	0.663417275	0.636340397	0.999867943
<i>ygbN</i>	0.313600497	0.687834738	0.648444493	0.999867943
<i>minD</i>	0.313590546	0.814460497	0.700216262	0.999867943
<i>setC</i>	0.311633602	1.09173917	0.775301752	0.999867943
<i>gntR</i>	0.311419731	0.768985662	0.685496115	0.999867943
<i>lepB</i>	0.309872427	0.794775981	0.696620475	0.999867943
<i>hycH</i>	0.308293085	1.310417172	0.814004368	0.999867943
<i>mnmG</i>	0.308029955	0.705118993	0.662221449	0.999867943
<i>iaaA</i>	0.308006377	1.068043263	0.773052966	0.999867943
<i>yfjM</i>	0.306628109	2.47000675	0.901203956	0.999867943
<i>paaY</i>	0.306324444	0.833423575	0.713209153	0.999867943
<i>hemY</i>	0.305924724	0.900927656	0.734183116	0.999867943
<i>yahB</i>	0.305282507	0.732968771	0.677043155	0.999867943
<i>yicS</i>	0.305120071	2.058651637	0.882174237	0.999867943
<i>ycaK</i>	0.305065602	0.917845671	0.739608872	0.999867943
<i>rodZ</i>	0.304519425	0.933884497	0.74436515	0.999867943
<i>yrdA</i>	0.303770426	1.034818006	0.769102083	0.999867943
<i>yafV</i>	0.303721802	0.852937793	0.721773882	0.999867943
<i>nhaR</i>	0.303602255	0.795105281	0.702580742	0.999867943
<i>xseB</i>	0.303005397	1.353818083	0.822900912	0.999867943
<i>tsx</i>	0.30247388	1.020951625	0.767026481	0.999867943
<i>gudX</i>	0.30222751	0.800899753	0.705906108	0.999867943
<i>mglA</i>	0.30212603	0.887155199	0.733437855	0.999867943
<i>tdcE</i>	0.30055511	0.671127108	0.654271312	0.999867943
<i>yjfL</i>	0.300007177	1.039818721	0.772949696	0.999867943
<i>argK</i>	0.29971212	0.736442747	0.684028012	0.999867943
<i>kdsA</i>	0.298253659	0.911790882	0.74358656	0.999867943
<i>ybcW</i>	0.29814648	2.740225463	0.913358244	0.999867943
<i>serX</i>	0.298021865	2.101402884	0.887221845	0.999867943
<i>ybfK</i>	0.297133243	2.241105401	0.894522908	0.999867943
<i>rnr</i>	0.296524002	0.899880205	0.741766478	0.999867943
<i>yeaO</i>	0.296512169	1.205600546	0.805724332	0.999867943
<i>yqeA</i>	0.295757229	0.920097569	0.747876096	0.999867943
<i>mltD</i>	0.295706677	0.956954404	0.757315354	0.999867943
<i>fdnG</i>	0.295342183	0.789710425	0.708413281	0.999867943
<i>alpA</i>	0.29517943	2.518352973	0.906692611	0.999867943
<i>yqiC</i>	0.294904083	1.44382454	0.83815656	0.999867943
<i>psuK</i>	0.294901964	0.789306882	0.70868599	0.999867943
<i>yaeI</i>	0.29374644	0.687496202	0.669182748	0.999867943
<i>sufD</i>	0.293196166	0.923677282	0.750922861	0.999867943

<i>yibA</i>	0.293104721	1.152154187	0.799188766	0.999867943
<i>frmB</i>	0.293048533	0.783525176	0.708394709	0.999867943
<i>fadA</i>	0.292508966	1.150699647	0.799340301	0.999867943
<i>sanA</i>	0.291856411	0.895163532	0.74439638	0.999867943
<i>rsxA</i>	0.291529097	1.075064484	0.786257523	0.999867943
<i>yiaW</i>	0.29112291	2.355484936	0.901637044	0.999867943
<i>cadB</i>	0.290644595	0.797566188	0.715548592	0.999867943
<i>lon</i>	0.290623038	0.645887554	0.652739869	0.999867943
<i>holA</i>	0.290223086	0.824654101	0.724888424	0.999867943
<i>bluF</i>	0.289996843	0.704340011	0.680538447	0.999867943
<i>ygjV</i>	0.289681745	0.924082882	0.753915813	0.999867943
<i>phoU</i>	0.288728896	1.017191129	0.776525942	0.999867943
<i>yncH</i>	0.288165443	2.675651537	0.91423433	0.999867943
<i>nac</i>	0.287551709	0.798475103	0.71875285	0.999867943
<i>djlC</i>	0.287368807	0.649103141	0.657970655	0.999867943
<i>yhfL</i>	0.287057507	2.678908523	0.914666292	0.999867943
<i>csgF</i>	0.286724209	0.861753544	0.739344276	0.999867943
<i>ygiS</i>	0.286660693	0.682279374	0.674374793	0.999867943
<i>yahL</i>	0.28529933	0.596941485	0.632696349	0.999867943
<i>mobB</i>	0.284716771	1.013072819	0.778677611	0.999867943
<i>wzyE</i>	0.28468768	0.640715611	0.656805692	0.999867943
<i>yjcF</i>	0.284470494	1.110780794	0.797873947	0.999867943
<i>bdm</i>	0.284195377	2.779692033	0.918566275	0.999867943
<i>ftsQ</i>	0.283124562	0.976988617	0.771974525	0.999867943
<i>ycjN</i>	0.283101603	0.716290758	0.692671087	0.999867943
<i>yqiK</i>	0.282693118	0.638411052	0.657905073	0.999867943
<i>serA</i>	0.282159463	0.806675766	0.726503425	0.999867943
<i>cobB</i>	0.28128994	0.870141323	0.746491334	0.999867943
<i>ydcK</i>	0.281128875	0.730135475	0.700210305	0.999867943
<i>ybbL</i>	0.280347158	0.777041275	0.718257943	0.999867943
<i>tatE</i>	0.279874981	1.42202444	0.84397273	0.999867943
<i>yfgF</i>	0.278742495	0.592189052	0.63785606	0.999867943
<i>aroK</i>	0.27796759	0.909258302	0.759826937	0.999867943
<i>yeeZ</i>	0.27795484	0.839415804	0.740547116	0.999867943
<i>cyoE</i>	0.27772305	1.042282104	0.789887503	0.999867943
<i>yigI</i>	0.277495025	0.856015922	0.745809029	0.999867943
<i>ybhC</i>	0.276964341	0.723486369	0.701853959	0.999867943
<i>spoT</i>	0.276931105	0.68311551	0.685187731	0.999867943
<i>ytfJ</i>	0.276471015	0.843144283	0.742983682	0.999867943
<i>yhhH</i>	0.276122632	2.34825066	0.906395283	0.999867943
<i>pepP</i>	0.276073103	0.839964188	0.742403267	0.999867943
<i>livG</i>	0.276054818	0.962386907	0.774231844	0.999867943
<i>ycaP</i>	0.275574316	0.867611767	0.75077017	0.999867943
<i>metK</i>	0.275074539	0.742270372	0.710946382	0.999867943
<i>dgoA</i>	0.274668399	1.651856177	0.867937675	0.999867943
<i>cyaA</i>	0.274612287	0.617283761	0.656412228	0.999867943
<i>yhiJ</i>	0.274288034	1.239520381	0.824870047	0.999867943
<i>amiC</i>	0.273995538	0.670375901	0.682745703	0.999867943
<i>yfjJ</i>	0.273950419	1.201067521	0.819576968	0.999867943

<i>yadH</i>	0.272675604	0.730074469	0.708783695	0.999867943
<i>yggW</i>	0.272258582	0.71082214	0.701705471	0.999867943
<i>yhgE</i>	0.271755815	0.606246588	0.653965899	0.999867943
<i>ydhX</i>	0.271346773	0.882149092	0.758388694	0.999867943
<i>yicG</i>	0.270620376	0.854748838	0.751541015	0.999867943
<i>caiE</i>	0.270342788	0.987119314	0.784184199	0.999867943
<i>ybjI</i>	0.270182146	0.745533438	0.717052309	0.999867943
<i>tolQ</i>	0.27015523	0.838716348	0.747372699	0.999867943
<i>rcIA</i>	0.269523455	0.920860047	0.769761665	0.999867943
<i>rhtA</i>	0.267553629	0.728387111	0.713377803	0.999867943
<i>yqfG</i>	0.267453	3.000108431	0.928964467	0.999867943
<i>ybbJ</i>	0.267146642	1.61410579	0.868544533	0.999867943
<i>yjhl</i>	0.266762486	0.990888927	0.787763986	0.999867943
<i>qorA</i>	0.265722228	0.721184575	0.712535889	0.999867943
<i>nudC</i>	0.265638053	0.733331155	0.717176587	0.999867943
<i>nadR</i>	0.265211801	0.635885647	0.676623787	0.999867943
<i>pgpB</i>	0.265204602	0.75190785	0.724306675	0.999867943
<i>yiaB</i>	0.263686336	1.997820323	0.894994564	0.999867943
<i>rihB</i>	0.263550391	0.776042126	0.734151485	0.999867943
<i>yibG</i>	0.262944868	2.314684598	0.909556018	0.999867943
<i>yqhG</i>	0.262802382	0.79712344	0.741635391	0.999867943
<i>hemG</i>	0.262761097	0.822874697	0.749483178	0.999867943
<i>glpR</i>	0.262608037	1.088081036	0.80928409	0.999867943
<i>dinD</i>	0.262534975	1.032324552	0.799252694	0.999867943
<i>prpC</i>	0.262373458	1.004726295	0.793985134	0.999867943
<i>dfp</i>	0.260043793	0.667520531	0.696856955	0.999867943
<i>glnD</i>	0.259765089	0.730499512	0.722140694	0.999867943
<i>yfhM</i>	0.259673631	0.700506498	0.710865379	0.999867943
<i>yfiL</i>	0.258144644	2.51266643	0.918171444	0.999867943
<i>gspB</i>	0.25713969	1.061477328	0.808588785	0.999867943
<i>asd</i>	0.25675624	0.840144908	0.75990201	0.999867943
<i>betT</i>	0.256619974	0.865536651	0.766858538	0.999867943
<i>ndk</i>	0.255659347	0.859407708	0.76609764	0.999867943
<i>radA</i>	0.255643588	1.241523375	0.836860264	0.999867943
<i>tesB</i>	0.255448381	0.742249604	0.73073026	0.999867943
<i>yfbL</i>	0.25531484	0.806106974	0.751451704	0.999867943
<i>kefF</i>	0.25512336	1.226747183	0.835254461	0.999867943
<i>proC</i>	0.254259352	0.853058412	0.765660267	0.999867943
<i>gspH</i>	0.253179254	1.150217841	0.825782234	0.999867943
<i>atoD</i>	0.252497838	0.885689667	0.775578157	0.999867943
<i>wecD</i>	0.251615798	1.187714629	0.832225075	0.999867943
<i>aroA</i>	0.251510307	0.67157705	0.708027149	0.999867943
<i>ygiF</i>	0.251415025	0.889074844	0.777343382	0.999867943
<i>yhhI</i>	0.250339828	0.814879206	0.758682799	0.999867943
<i>focB</i>	0.24842259	0.724017027	0.731510401	0.999867943
<i>paaG</i>	0.248014598	0.99339132	0.802846775	0.999867943
<i>folK</i>	0.247930222	0.86950314	0.775536801	0.999867943
<i>yfdX</i>	0.247717909	0.8349562	0.766707989	0.999867943
<i>yfgG</i>	0.247677353	2.67424396	0.926208759	0.999867943

<i>yjdJ</i>	0.247595324	1.293019256	0.848144703	0.999867943
<i>cbrB</i>	0.246285971	1.99607606	0.901802184	0.999867943
<i>ycfQ</i>	0.244974072	0.911908669	0.788207633	0.999867943
<i>def</i>	0.244718602	0.904920662	0.786828692	0.999867943
<i>avtA</i>	0.244100145	0.710408554	0.731143137	0.999867943
<i>queC</i>	0.243881158	0.800401183	0.76059568	0.999867943
<i>ybaM</i>	0.243458293	2.705593474	0.928300467	0.999867943
<i>ybgL</i>	0.243304163	1.54659816	0.874996052	0.999867943
<i>yfcL</i>	0.241740088	1.199143644	0.840234186	0.999867943
<i>yfeD</i>	0.241675788	0.90997962	0.790559812	0.999867943
<i>fliI</i>	0.241624705	1.445473072	0.867244469	0.999867943
<i>ridA</i>	0.240314734	1.088916992	0.825332644	0.999867943
<i>yahO</i>	0.240256165	0.75810213	0.751305869	0.999867943
<i>panM</i>	0.240047809	1.141329524	0.833415613	0.999867943
<i>mraY</i>	0.239958468	0.873293202	0.783489697	0.999867943
<i>yadS</i>	0.239106256	0.8294296	0.773133993	0.999867943
<i>fau</i>	0.238732508	0.926793977	0.796723642	0.999867943
<i>pdxJ</i>	0.23852904	1.230864366	0.846340423	0.999867943
<i>istR</i>	0.238418005	2.964910286	0.935908607	0.999867943
<i>ptsG</i>	0.237814484	0.777685881	0.759758748	0.999867943
<i>yadC</i>	0.237417344	1.134357336	0.834216561	0.999867943
<i>ygjP</i>	0.237321341	0.987188288	0.810019176	0.999867943
<i>tktA</i>	0.236344966	0.832186503	0.776406698	0.999867943
<i>ybdK</i>	0.236106485	0.672206707	0.725407632	0.999867943
<i>yggS</i>	0.235006474	0.904452249	0.794992652	0.999867943
<i>speF</i>	0.234091002	0.598148493	0.695531639	0.999867943
<i>gyrA</i>	0.234013506	1.078318044	0.828194981	0.999867943
<i>csrD</i>	0.232221193	0.639803841	0.71663711	0.999867943
<i>dsrB</i>	0.231738227	2.718504264	0.932066812	0.999867943
<i>fucI</i>	0.230982123	0.739325989	0.754719403	0.999867943
<i>melB</i>	0.230559321	0.69827454	0.741260676	0.999867943
<i>nanT</i>	0.230445988	0.86403158	0.789692343	0.999867943
<i>ysaB</i>	0.230106177	2.41843145	0.924198172	0.999867943
<i>pppA</i>	0.229983656	0.761742812	0.762714785	0.999867943
<i>racC</i>	0.229889656	2.453479684	0.92534792	0.999867943
<i>gpt</i>	0.229752862	0.842791643	0.785153542	0.999867943
<i>efeB</i>	0.229570412	0.759278791	0.762382787	0.999867943
<i>rimO</i>	0.22919481	0.676533003	0.734776628	0.999867943
<i>aroF</i>	0.2289348	0.683261667	0.73757856	0.999867943
<i>sgrR</i>	0.228280904	0.71710836	0.750230611	0.999867943
<i>hofQ</i>	0.228107425	0.804124837	0.776662017	0.999867943
<i>mdaB</i>	0.226829831	0.809046682	0.779196104	0.999867943
<i>xylH</i>	0.226067238	0.673346527	0.737069319	0.999867943
<i>lgt</i>	0.2254968	0.67263749	0.737442023	0.999867943
<i>ispF</i>	0.225314135	1.173403736	0.847728442	0.999867943
<i>insLI</i>	0.225067342	1.265042231	0.858791374	0.999867943
<i>perR</i>	0.224118416	0.546120558	0.681525253	0.999867943
<i>adiY</i>	0.223903942	1.109771493	0.840106858	0.999867943
<i>waaS</i>	0.223864354	1.057398002	0.832331351	0.999867943

<i>yjfK</i>	0.223709626	0.822013342	0.785507906	0.999867943
<i>pabB</i>	0.223680203	0.767948718	0.770845049	0.999867943
<i>tdcG</i>	0.223583929	0.662188602	0.735631571	0.999867943
<i>yaiO</i>	0.222740033	0.886224047	0.801554321	0.999867943
<i>nfsA</i>	0.222228996	0.819259117	0.786194103	0.999867943
<i>yehA</i>	0.221524139	0.815986949	0.786021878	0.999867943
<i>ascB</i>	0.221228112	0.665681626	0.739637666	0.999867943
<i>polB</i>	0.220709286	0.795592361	0.781461435	0.999867943
<i>nuoN</i>	0.220611667	1.093400922	0.840099279	0.999867943
<i>dkgA</i>	0.220575588	0.843081198	0.79360648	0.999867943
<i>scpB</i>	0.220269215	0.811401057	0.786031305	0.999867943
<i>hicA</i>	0.219195537	2.864580442	0.939006002	0.999867943
<i>maa</i>	0.21909647	1.102075806	0.842416499	0.999867943
<i>yedE</i>	0.218708117	0.88141454	0.80403143	0.999867943
<i>yphD</i>	0.218617172	1.050911005	0.835208399	0.999867943
<i>yncJ</i>	0.218339072	2.687511514	0.935249421	0.999867943
<i>yqjI</i>	0.217838404	0.972000667	0.822669042	0.999867943
<i>yahM</i>	0.217601219	0.896887921	0.808301279	0.999867943
<i>syd</i>	0.217569061	1.022160207	0.831442238	0.999867943
<i>fdnI</i>	0.217121352	0.977685455	0.824254022	0.999867943
<i>rdgB</i>	0.216297238	1.064015987	0.838913198	0.999867943
<i>yafQ</i>	0.215630008	1.131365781	0.848844745	0.999867943
<i>metZ</i>	0.215550417	2.520508391	0.931849088	0.999867943
<i>hlyE</i>	0.215546992	0.743275102	0.771819107	0.999867943
<i>pqqL</i>	0.215394343	0.659639255	0.744020715	0.999867943
<i>guaA</i>	0.214595672	0.954154387	0.822051892	0.999867943
<i>ybcV</i>	0.214401218	2.003428294	0.914775362	0.999867943
<i>yebW</i>	0.213988305	2.6468532	0.935564181	0.999867943
<i>ynhF</i>	0.213950753	2.976279273	0.942693182	0.999867943
<i>ybhN</i>	0.213156487	0.693374828	0.758524588	0.999867943
<i>rnlA</i>	0.212805231	0.780120382	0.785018399	0.999867943
<i>ymgF</i>	0.211815392	2.570177897	0.934318509	0.999867943
<i>apt</i>	0.211810104	0.957057118	0.824847979	0.999867943
<i>dosC</i>	0.210659654	0.751591298	0.779258973	0.999867943
<i>yadG</i>	0.210472785	0.687416006	0.759467874	0.999867943
<i>ypjA</i>	0.209163713	0.577014363	0.716983594	0.999867943
<i>gsk</i>	0.2089754	0.71543692	0.770214147	0.999867943
<i>hdeA</i>	0.208595379	1.995949547	0.916765153	0.999867943
<i>yiiR</i>	0.208109136	0.868368451	0.81059746	0.999867943
<i>yhdJ</i>	0.207928156	0.713648795	0.770776601	0.999867943
<i>ccmH</i>	0.207110144	0.881902625	0.814329284	0.999867943
<i>gdhA</i>	0.206275419	0.784078393	0.792488845	0.999867943
<i>nupX</i>	0.205544477	0.82489995	0.803225387	0.999867943
<i>ybgD</i>	0.205387224	1.066382945	0.847270873	0.999867943
<i>yajR</i>	0.20533926	0.766521255	0.788788127	0.999867943
<i>yeeO</i>	0.204605935	0.60421101	0.734886035	0.999867943
<i>rdgC</i>	0.204021173	0.737120529	0.781948047	0.999867943
<i>adiA</i>	0.203646735	0.599963038	0.734284214	0.999867943
<i>argA</i>	0.20318646	0.668016703	0.761003147	0.999867943

<i>yfiB</i>	0.20297834	0.936433879	0.828397939	0.999867943
<i>ftsK</i>	0.201308831	0.711422234	0.777202332	0.999867943
<i>gspI</i>	0.201144778	1.045040241	0.847369656	0.999867943
<i>insJ</i>	0.20025608	0.662126427	0.762313715	0.999867943
<i>casB</i>	0.200186185	1.065334283	0.850947778	0.999867943
<i>aas</i>	0.199612517	0.635179954	0.753322541	0.999867943
<i>yhdU</i>	0.198873259	2.658899846	0.940377567	0.999867943
<i>mdtK</i>	0.198505128	0.752977421	0.792067403	0.999867943
<i>hyfG</i>	0.198256096	0.761956985	0.794714679	0.999867943
<i>mdlB</i>	0.198168176	0.874591117	0.820747393	0.999867943
<i>tsaB</i>	0.196548106	1.081096359	0.855736209	0.999867943
<i>kduD</i>	0.19625268	0.815480462	0.809819449	0.999867943
<i>ydhF</i>	0.196191546	0.785817346	0.802845976	0.999867943
<i>slyA</i>	0.195970625	0.969458604	0.83980384	0.999867943
<i>ygiL</i>	0.195666579	1.184532776	0.868798682	0.999867943
<i>tnaB</i>	0.195194559	0.675178736	0.772504416	0.999867943
<i>yodC</i>	0.195069169	2.592322279	0.940016749	0.999867943
<i>yghW</i>	0.195067891	2.061219287	0.924603052	0.999867943
<i>rnc</i>	0.194038255	0.804881235	0.809495533	0.999867943
<i>ycgG</i>	0.193688739	0.74347547	0.794464237	0.999867943
<i>malI</i>	0.193401722	0.871636736	0.824404654	0.999867943
<i>acrF</i>	0.193393465	0.562223414	0.730861521	0.999867943
<i>yjcH</i>	0.192991585	1.1324045	0.864674837	0.999867943
<i>dmsC</i>	0.191868784	0.910365489	0.833074421	0.999867943
<i>yidA</i>	0.19065052	0.85725495	0.824005219	0.999867943
<i>fsaA</i>	0.190587006	0.942553175	0.839758089	0.999867943
<i>rhaS</i>	0.190150426	0.873571743	0.827686182	0.999867943
<i>ppsA</i>	0.189984249	0.735140198	0.796073001	0.999867943
<i>yiiE</i>	0.189367513	2.449533625	0.938378862	0.999867943
<i>yraI</i>	0.188324099	1.122315154	0.866740891	0.999867943
<i>ilvI</i>	0.188011206	0.628657805	0.764888436	0.999867943
<i>ecpD</i>	0.18739623	0.721044617	0.794944405	0.999867943
<i>paaE</i>	0.187212343	0.970152653	0.84698086	0.999867943
<i>yeiB</i>	0.186688501	0.967708296	0.847023065	0.999867943
<i>yphH</i>	0.18639942	0.667286247	0.77998428	0.999867943
<i>lysU</i>	0.186079619	0.985341362	0.850212051	0.999867943
<i>yjbF</i>	0.185335224	0.935839277	0.843012419	0.999867943
<i>ydfH</i>	0.185239736	0.807380781	0.818532447	0.999867943
<i>mqsR</i>	0.184205838	2.462259819	0.940364534	0.999867943
<i>ynfL</i>	0.183937997	0.801592551	0.818506976	0.999867943
<i>yhjY</i>	0.183920486	1.433058603	0.897878948	0.999867943
<i>adhP</i>	0.183549002	0.826327418	0.824215612	0.999867943
<i>ygjI</i>	0.183212998	0.683326797	0.788607608	0.999867943
<i>pinQ</i>	0.182555281	0.768705148	0.812281222	0.999867943
<i>metL</i>	0.182134726	0.918942287	0.842888277	0.999867943
<i>citT</i>	0.181797508	0.681825675	0.789751425	0.999867943
<i>gltX</i>	0.181732499	0.762778552	0.811686682	0.999867943
<i>yaiI</i>	0.180962238	1.051106673	0.863308966	0.999867943
<i>yhhQ</i>	0.180797471	0.851881424	0.831925152	0.999867943

<i>pth</i>	0.179745965	0.935104938	0.847569801	0.999867943
<i>carA</i>	0.179510659	0.664012976	0.786897083	0.999867943
<i>isrC</i>	0.178833871	2.60137569	0.945191894	0.999867943
<i>yjhU</i>	0.178349337	1.043522988	0.864293913	0.999867943
<i>mlaA</i>	0.17805399	0.760445895	0.814873039	0.999867943
<i>yiiS</i>	0.17760306	2.481407629	0.94294132	0.999867943
<i>chaB</i>	0.177421078	2.563475614	0.944821553	0.999867943
<i>yicI</i>	0.176848208	0.678644599	0.794408461	0.999867943
<i>umuC</i>	0.176157211	0.701236016	0.801652071	0.999867943
<i>asnC</i>	0.176054053	1.139400159	0.877203936	0.999867943
<i>speE</i>	0.175799439	0.930107113	0.850085068	0.999867943
<i>yedV</i>	0.175632714	0.799039471	0.826023178	0.999867943
<i>yfdV</i>	0.175590883	0.87846358	0.841571243	0.999867943
<i>chbB</i>	0.175362994	1.028858191	0.864660751	0.999867943
<i>pgaA</i>	0.175267502	0.623928696	0.778779809	0.999867943
<i>cpsG</i>	0.174903175	0.971798066	0.857169111	0.999867943
<i>hofN</i>	0.174560218	1.268087395	0.890512059	0.999867943
<i>yedY</i>	0.174533118	0.957625634	0.855381745	0.999867943
<i>yigL</i>	0.174525256	0.879715661	0.842741305	0.999867943
<i>aroP</i>	0.174456994	0.681812946	0.798049504	0.999867943
<i>nlpA</i>	0.174151845	0.83723504	0.835222479	0.999867943
<i>hflC</i>	0.174013	1.022465651	0.864861046	0.999867943
<i>hisB</i>	0.173900427	0.840894591	0.836162875	0.999867943
<i>rhlB</i>	0.173543545	0.860339949	0.84013947	0.999867943
<i>nanS</i>	0.173529587	0.894893581	0.846245677	0.999867943
<i>potB</i>	0.173488386	0.849262978	0.838133829	0.999867943
<i>ampD</i>	0.1733672	0.912041929	0.849241055	0.999867943
<i>chbA</i>	0.172825602	1.164252245	0.881992824	0.999867943
<i>yoeB</i>	0.172639513	2.860902059	0.951881314	0.999867943
<i>mdh</i>	0.172578925	1.070428829	0.8719169	0.999867943
<i>hyfF</i>	0.171734319	0.799888041	0.830002824	0.999867943
<i>ydeP</i>	0.171580015	0.659868989	0.794847317	0.999867943
<i>cpdB</i>	0.170662039	0.663718432	0.797078282	0.999867943
<i>ytfl</i>	0.170577034	0.97960786	0.861764968	0.999867943
<i>rsmD</i>	0.170100098	0.838677784	0.839276219	0.999867943
<i>emrY</i>	0.169888544	0.79807279	0.831425637	0.999867943
<i>aegA</i>	0.169822514	0.872999066	0.845762696	0.999867943
<i>ygcG</i>	0.169202146	0.713471629	0.81253787	0.999867943
<i>speD</i>	0.169103463	0.821418591	0.836894345	0.999867943
<i>hyfR</i>	0.168585278	0.659365995	0.798199603	0.999867943
<i>dapE</i>	0.167881072	0.760511031	0.825288877	0.999867943
<i>acpS</i>	0.167807034	1.160623974	0.885039754	0.999867943
<i>trg</i>	0.167688807	0.687737914	0.807365107	0.999867943
<i>ecpE</i>	0.167637779	0.721805329	0.816345468	0.999867943
<i>gtrB</i>	0.167590408	0.82578099	0.839175858	0.999867943
<i>waaU</i>	0.167536171	1.414958389	0.905747871	0.999867943
<i>malG</i>	0.16740106	0.716625462	0.815298396	0.999867943
<i>ybdO</i>	0.167330583	1.206042797	0.889652853	0.999867943
<i>adhE</i>	0.166735233	0.797186921	0.834327629	0.999867943

<i>yeeJ</i>	0.166666854	0.535136979	0.755460762	0.999867943
<i>bamC</i>	0.166047196	1.080652517	0.877882108	0.999867943
<i>ecpB</i>	0.16599877	1.014061556	0.86996973	0.999867943
<i>ubiH</i>	0.165788933	1.33434702	0.901119521	0.999867943
<i>srmB</i>	0.165002536	0.794073861	0.835391045	0.999867943
<i>argS</i>	0.163843952	0.684363071	0.810787009	0.999867943
<i>rffH</i>	0.163510611	0.786215025	0.83525093	0.999867943
<i>tufB</i>	0.162751909	0.868028323	0.851271696	0.999867943
<i>hycI</i>	0.162396146	0.9291601	0.861254581	0.999867943
<i>yijE</i>	0.162203013	0.800295165	0.839385949	0.999867943
<i>yqfA</i>	0.16219018	0.891358033	0.855615286	0.999867943
<i>otsB</i>	0.161718803	0.789731941	0.83774649	0.999867943
<i>citF</i>	0.161391501	1.068430304	0.879932506	0.999867943
<i>dpiB</i>	0.161354482	0.612273792	0.792139625	0.999867943
<i>yihF</i>	0.160782761	0.859187816	0.85155602	0.999867943
<i>moaA</i>	0.160705184	0.968694617	0.868236665	0.999867943
<i>ydjK</i>	0.160377034	0.71486023	0.822486996	0.999867943
<i>acnA</i>	0.160333685	0.788637544	0.838896916	0.999867943
<i>ybhK</i>	0.160202151	0.74172606	0.828998969	0.999867943
<i>ampE</i>	0.158983787	0.794235872	0.841346061	0.999867943
<i>panF</i>	0.158803394	0.816636694	0.8458155	0.999867943
<i>yaaA</i>	0.158803203	0.810161089	0.84459893	0.999867943
<i>uvrA</i>	0.158642829	0.824221335	0.847369362	0.999867943
<i>gshB</i>	0.158610891	0.796908963	0.842237216	0.999867943
<i>ydeR</i>	0.158348343	0.976261949	0.871149445	0.999867943
<i>yhaO</i>	0.158180307	0.648812899	0.807386052	0.999867943
<i>ycgM</i>	0.158042514	0.980921079	0.872001691	0.999867943
<i>nrdD</i>	0.15793566	0.666778807	0.812762573	0.999867943
<i>phnC</i>	0.157661903	1.048822186	0.880509934	0.999867943
<i>secY</i>	0.156817491	1.355867834	0.907923285	0.999867943
<i>argD</i>	0.155994617	0.706857652	0.825335799	0.999867943
<i>ydjH</i>	0.155328802	0.822284325	0.850171868	0.999867943
<i>yfeX</i>	0.15433029	0.961850521	0.872525481	0.999867943
<i>bglB</i>	0.153710133	0.88192627	0.861638268	0.999867943
<i>yihQ</i>	0.153605243	0.635936858	0.809135334	0.999867943
<i>yhjK</i>	0.153276107	0.611472117	0.80207129	0.999867943
<i>ydiR</i>	0.153013169	1.006961741	0.879222195	0.999867943
<i>hinT</i>	0.152879705	1.288705609	0.905568153	0.999867943
<i>caiF</i>	0.152697921	2.414077875	0.949564958	0.999867943
<i>yidQ</i>	0.152060904	1.139725691	0.89386213	0.999867943
<i>insL1</i>	0.151924349	1.470366492	0.917705719	0.999867943
<i>yjdF</i>	0.150984516	0.839048275	0.8571939	0.999867943
<i>sdaB</i>	0.150819498	0.703066583	0.830144173	0.999867943
<i>araE</i>	0.150810891	0.756095257	0.841902794	0.999867943
<i>asnS</i>	0.149626046	0.727729323	0.837098121	0.999867943
<i>yddG</i>	0.149297667	0.818966802	0.85534728	0.999867943
<i>mdtF</i>	0.149203545	0.54545092	0.784436881	0.999867943
<i>livK</i>	0.146390595	0.714640827	0.837693234	0.999867943
<i>ykfH</i>	0.145664634	1.215969273	0.90464711	0.999867943

<i>nei</i>	0.14523097	0.766203038	0.849664651	0.999867943
<i>ykfI</i>	0.144699121	1.008820072	0.885947415	0.999867943
<i>trkH</i>	0.143453326	0.596955553	0.810091324	0.999867943
<i>ydcD</i>	0.143434272	2.396262611	0.952269135	0.999867943
<i>hycF</i>	0.142727193	1.217681103	0.906691826	0.999867943
<i>tolA</i>	0.142040013	0.748341748	0.849460883	0.999867943
<i>fucR</i>	0.141332978	0.941194279	0.880635664	0.999867943
<i>ymgJ</i>	0.139644437	2.144097363	0.948070726	0.999867943
<i>betI</i>	0.138665683	1.079695414	0.897808397	0.999867943
<i>yiaF</i>	0.137599826	0.926105577	0.881885857	0.999867943
<i>yajQ</i>	0.137550304	0.898318921	0.878303898	0.999867943
<i>npr</i>	0.136201336	2.604884799	0.958300096	0.999867943
<i>pstC</i>	0.136191668	0.687537397	0.842977625	0.999867943
<i>metA</i>	0.135913897	0.970223553	0.888592726	0.999867943
<i>narK</i>	0.135807568	0.701379405	0.846466194	0.999867943
<i>ybeQ</i>	0.135768589	0.824589701	0.869219575	0.999867943
<i>intD</i>	0.135359621	0.878529766	0.877550468	0.999867943
<i>tsaE</i>	0.134967683	1.024147287	0.895154017	0.999867943
<i>ygbI</i>	0.134674407	0.762739165	0.859848681	0.999867943
<i>entE</i>	0.134300249	0.954588325	0.888115493	0.999867943
<i>wecF</i>	0.133730501	0.690529049	0.846439114	0.999867943
<i>waaQ</i>	0.133027274	0.777968724	0.864229201	0.999867943
<i>glnK</i>	0.13290419	2.075105154	0.94893283	0.999867943
<i>macA</i>	0.132889792	0.751597621	0.859657826	0.999867943
<i>pstS</i>	0.132522811	0.795102997	0.867626748	0.999867943
<i>dcuR</i>	0.132327949	0.88312859	0.880890885	0.999867943
<i>rhsC</i>	0.131775001	0.926160819	0.886858128	0.999867943
<i>ppc</i>	0.131599835	0.64303518	0.837842325	0.999867943
<i>ynjA</i>	0.131509195	1.42619974	0.926531573	0.999867943
<i>rplT</i>	0.130549707	1.537813891	0.932346419	0.999867943
<i>wcaN</i>	0.130440865	0.790722399	0.868972183	0.999867943
<i>yehE</i>	0.130249719	2.549396351	0.959253473	0.999867943
<i>cypA</i>	0.129623857	0.911947916	0.886969787	0.999867943
<i>adk</i>	0.128112097	0.916371912	0.888815165	0.999867943
<i>ydaS</i>	0.127782903	2.780112377	0.963339569	0.999867943
<i>narU</i>	0.127673215	0.719383413	0.859134598	0.999867943
<i>ymfA</i>	0.127577574	1.092846057	0.907067016	0.999867943
<i>nhaA</i>	0.12755514	0.764416849	0.86747553	0.999867943
<i>yigG</i>	0.127304657	2.411075371	0.957891302	0.999867943
<i>iraM</i>	0.127302501	2.470192679	0.958898851	0.999867943
<i>fliR</i>	0.127164717	0.766650716	0.868258884	0.999867943
<i>yjcZ</i>	0.12706031	0.804733724	0.874542594	0.999867943
<i>rlmD</i>	0.125394421	0.64816502	0.846598227	0.999867943
<i>tonB</i>	0.125355222	0.881407705	0.886904964	0.999867943
<i>yjbG</i>	0.124551546	1.405310526	0.929376602	0.999867943
<i>fabH</i>	0.12378509	1.00247084	0.901727018	0.999867943
<i>srlA</i>	0.123427444	1.178416613	0.916582062	0.999867943
<i>yjbH</i>	0.123210338	0.644376407	0.848362133	0.999867943
<i>yjbD</i>	0.122550633	2.095168279	0.953356716	0.999867943

<i>yehK</i>	0.122430224	2.518901394	0.961234395	0.999867943
<i>pepA</i>	0.121721969	0.778606985	0.875770543	0.999867943
<i>hdeB</i>	0.121608274	2.395066528	0.959505221	0.999867943
<i>hycC</i>	0.12148084	1.119115799	0.913558839	0.999867943
<i>ihfB</i>	0.120758316	1.335266495	0.927939468	0.999867943
<i>napF</i>	0.120463283	1.047072166	0.908407284	0.999867943
<i>ydfI</i>	0.119953878	0.742279671	0.871619284	0.999867943
<i>yccF</i>	0.119925602	0.88411025	0.892101512	0.999867943
<i>psuG</i>	0.119915301	0.781648842	0.878072385	0.999867943
<i>mipA</i>	0.11950751	0.963643219	0.901302334	0.999867943
<i>aslA</i>	0.119335324	0.617863712	0.846847899	0.999867943
<i>glnS</i>	0.11919534	0.685280397	0.861915291	0.999867943
<i>yobH</i>	0.119122212	2.776539699	0.965778763	0.999867943
<i>casD</i>	0.117848623	1.129422523	0.916896249	0.999867943
<i>wzzE</i>	0.117667427	0.756241737	0.876352273	0.999867943
<i>yhjE</i>	0.117517426	0.678368631	0.86246644	0.999867943
<i>trmI</i>	0.117151632	0.834320253	0.888331583	0.999867943
<i>fimZ</i>	0.117147899	1.163534868	0.9198023	0.999867943
<i>cspF</i>	0.11506663	2.498488329	0.963266811	0.999867943
<i>yciM</i>	0.114958297	0.824970197	0.889174826	0.999867943
<i>hscA</i>	0.11489252	1.173335689	0.921996164	0.999867943
<i>kdgT</i>	0.114674954	0.652510388	0.860494864	0.999867943
<i>mngR</i>	0.11442627	0.807882385	0.887366512	0.999867943
<i>xylE</i>	0.114235707	0.778842907	0.883389644	0.999867943
<i>yaiZ</i>	0.114150855	2.604740656	0.965044482	0.999867943
<i>yciX</i>	0.112354584	2.80282513	0.968024411	0.999867943
<i>yjff</i>	0.111651857	0.67142942	0.867928901	0.999867943
<i>hycB</i>	0.111592518	1.344225774	0.933838657	0.999867943
<i>nupG</i>	0.111200043	0.855000298	0.896520155	0.999867943
<i>yihN</i>	0.111199295	0.864403526	0.897640293	0.999867943
<i>yqeJ</i>	0.109274298	2.368418399	0.963200188	0.999867943
<i>yeeE</i>	0.109174195	0.725279001	0.880348717	0.999867943
<i>ygcU</i>	0.109066176	0.674887891	0.871615848	0.999867943
<i>ppiA</i>	0.108163047	0.900882099	0.904432856	0.999867943
<i>iscR</i>	0.107711607	1.041161047	0.917603165	0.999867943
<i>pptA</i>	0.106621105	2.902948555	0.970701441	0.999867943
<i>rzpQ</i>	0.104748959	1.052859685	0.920749266	0.999867943
<i>yfiN</i>	0.104666433	0.705531215	0.882065576	0.999867943
<i>yihP</i>	0.104327627	0.69088907	0.87997186	0.999867943
<i>hupB</i>	0.102718594	1.157377385	0.929279668	0.999867943
<i>baeS</i>	0.102309362	1.096773451	0.92567943	0.999867943
<i>yccE</i>	0.102013201	0.9138972	0.911121246	0.999867943
<i>essQ</i>	0.101984987	2.73006385	0.970200944	0.999867943
<i>yidZ</i>	0.101880467	0.827472607	0.902010122	0.999867943
<i>ydcV</i>	0.101382531	1.106972731	0.927027459	0.999867943
<i>yqaE</i>	0.101343963	2.707679403	0.970143471	0.999867943
<i>ybgF</i>	0.101318673	0.858630988	0.906067458	0.999867943
<i>yfgO</i>	0.101219698	0.666811026	0.879347303	0.999867943
<i>amiA</i>	0.100940196	0.746197885	0.892396276	0.999867943

<i>mdtL</i>	0.100821564	0.613144215	0.869389747	0.999867943
<i>yagK</i>	0.100319748	0.765530708	0.895738907	0.999867943
<i>rraA</i>	0.10013689	1.17672522	0.932183529	0.999867943
<i>yoaB</i>	0.099796908	0.942360486	0.915660909	0.999867943
<i>dcuC</i>	0.099381152	0.671218289	0.882294744	0.999867943
<i>bamD</i>	0.098731225	1.083581071	0.927400675	0.999867943
<i>glcF</i>	0.097932968	0.984262386	0.920742207	0.999867943
<i>yhjA</i>	0.097727681	0.72278913	0.892446538	0.999867943
<i>sfmC</i>	0.096343804	1.096835586	0.930005464	0.999867943
<i>yadK</i>	0.09626797	1.112818848	0.931062428	0.999867943
<i>glpT</i>	0.096062726	0.746155551	0.897560562	0.999867943
<i>yjeJ</i>	0.09605731	0.772866883	0.901088036	0.999867943
<i>yhbX</i>	0.095991661	0.906198376	0.915639584	0.999867943
<i>fixB</i>	0.095568346	1.059055653	0.928097126	0.999867943
<i>mdtJ</i>	0.095294464	0.973644141	0.922032332	0.999867943
<i>ptsI</i>	0.094991613	0.926207705	0.918312404	0.999867943
<i>yggC</i>	0.094742745	0.737767963	0.897818124	0.999867943
<i>ydfZ</i>	0.094023644	2.765680051	0.972879883	0.999867943
<i>ybbC</i>	0.093967621	2.331457352	0.967850572	0.999867943
<i>wbbK</i>	0.093155675	0.880172625	0.915710918	0.999867943
<i>yqgF</i>	0.092974392	0.991688243	0.925304851	0.999867943
<i>yqiI</i>	0.092267785	0.89003547	0.917433189	0.999867943
<i>wcaM</i>	0.091450415	0.728995888	0.900169608	0.999867943
<i>mdtB</i>	0.091183349	0.97613419	0.925575686	0.999867943
<i>potA</i>	0.090414414	0.701220607	0.897406221	0.999867943
<i>dsbA</i>	0.09007492	0.859297189	0.91651551	0.999867943
<i>epmC</i>	0.089971989	0.946178919	0.924243479	0.999867943
<i>patA</i>	0.089736507	0.780380901	0.908452533	0.999867943
<i>ecnB</i>	0.089540025	2.851070707	0.974945953	0.999867943
<i>wbbJ</i>	0.088876977	0.872955929	0.918906275	0.999867943
<i>rplR</i>	0.088862958	1.556901789	0.954484025	0.999867943
<i>gabP</i>	0.088829501	0.683890251	0.896654617	0.999867943
<i>pykF</i>	0.088640708	0.752229701	0.906196584	0.999867943
<i>yjhB</i>	0.088162303	1.108403646	0.936603205	0.999867943
<i>ubiB</i>	0.088137889	0.624496384	0.887763811	0.999867943
<i>fryA</i>	0.087313537	0.890797041	0.921918542	0.999867943
<i>tehA</i>	0.086877784	0.768856899	0.910033696	0.999867943
<i>yaaU</i>	0.086335896	0.659994634	0.895923217	0.999867943
<i>yjbT</i>	0.085742095	2.559274315	0.97327387	0.999867943
<i>lsrK</i>	0.085712906	0.700214399	0.902574702	0.999867943
<i>cyoA</i>	0.085283592	1.051617199	0.935364364	0.999867943
<i>torA</i>	0.085173316	0.858650591	0.920983934	0.999867943
<i>hisJ</i>	0.084327463	0.810316383	0.917115917	0.999867943
<i>pstB</i>	0.083855226	0.829561907	0.91948398	0.999867943
<i>sgrS</i>	0.082937459	3.260301267	0.979705133	0.999867943
<i>cysZ</i>	0.082880831	0.719293874	0.908266569	0.999867943
<i>ycdT</i>	0.082493253	0.832053394	0.921023793	0.999867943
<i>casA</i>	0.081841654	1.075400357	0.939336813	0.999867943
<i>rna</i>	0.081768766	0.698810085	0.906850998	0.999867943

<i>rimJ</i>	0.081733102	0.813432267	0.919963818	0.999867943
<i>yhhJ</i>	0.080998123	0.727533287	0.911352659	0.999867943
<i>hdeD</i>	0.080187661	1.971679236	0.967559194	0.999867943
<i>yhjR</i>	0.079996353	2.555159882	0.975024095	0.999867943
<i>torI</i>	0.079703887	2.596671103	0.975513065	0.999867943
<i>ykfB</i>	0.079683232	0.742061895	0.914486851	0.999867943
<i>yafY</i>	0.079412728	0.933322205	0.932192956	0.999867943
<i>pagP</i>	0.079274644	1.016930621	0.937863991	0.999867943
<i>yihW</i>	0.077986043	0.805552909	0.922876823	0.999867943
<i>arpA</i>	0.077965679	0.938432304	0.933787316	0.999867943
<i>xapB</i>	0.077852711	0.694018637	0.910683314	0.999867943
<i>adiC</i>	0.076817583	0.677235703	0.909691134	0.999867943
<i>yiiG</i>	0.076017701	0.863007712	0.929809426	0.999867943
<i>recC</i>	0.075785636	0.589682695	0.897737987	0.999867943
<i>ileS</i>	0.075397313	0.785196318	0.923501894	0.999867943
<i>gfcB</i>	0.074484268	0.87700969	0.932317191	0.999867943
<i>frlC</i>	0.074267644	0.880155974	0.932754234	0.999867943
<i>dmsB</i>	0.074150731	0.858184058	0.931145086	0.999867943
<i>ecpA</i>	0.074021292	0.84311696	0.930039764	0.999867943
<i>truD</i>	0.073705478	0.762077953	0.922951572	0.999867943
<i>evgS</i>	0.073378862	0.688918238	0.91517521	0.999867943
<i>usg</i>	0.073146589	0.937993735	0.937842404	0.999867943
<i>fhuB</i>	0.073079057	1.222921268	0.952348554	0.999867943
<i>ybhI</i>	0.072692072	0.695319113	0.916736933	0.999867943
<i>yagA</i>	0.072624441	1.044734884	0.944579926	0.999867943
<i>paaH</i>	0.072297845	0.796014735	0.927631838	0.999867943
<i>ycjG</i>	0.072208991	0.915637979	0.937142433	0.999867943
<i>yfeO</i>	0.071611675	0.762854794	0.925209826	0.999867943
<i>entB</i>	0.070117995	0.859814224	0.935004429	0.999867943
<i>ybdL</i>	0.070036682	0.755224045	0.92611306	0.999867943
<i>rpsR</i>	0.069938679	1.616600697	0.965492042	0.999867943
<i>kdpA</i>	0.068447796	0.869478156	0.937253073	0.999867943
<i>yegJ</i>	0.068097088	2.320943111	0.976593213	0.999867943
<i>lpxD</i>	0.067485963	0.897694825	0.94007392	0.999867943
<i>ydcZ</i>	0.067251799	1.046914779	0.948780654	0.999867943
<i>yhcO</i>	0.066703604	2.468401071	0.978441389	0.999867943
<i>surA</i>	0.066455018	0.732137067	0.927676502	0.999867943
<i>fixC</i>	0.065648329	0.761731353	0.931320907	0.999867943
<i>feaB</i>	0.065100697	0.682166839	0.923971523	0.999867943
<i>ykgD</i>	0.064836599	0.552631046	0.906603717	0.999867943
<i>pepN</i>	0.063969962	0.733639046	0.930516182	0.999867943
<i>gspA</i>	0.06380412	0.732985561	0.930634234	0.999867943
<i>epmA</i>	0.063385857	0.833424819	0.939375596	0.999867943
<i>xylG</i>	0.062985392	1.106539019	0.954608065	0.999867943
<i>cysW</i>	0.062348721	1.141716063	0.956449446	0.999867943
<i>ychF</i>	0.062023702	0.681952676	0.927532197	0.999867943
<i>yrhB</i>	0.062008937	2.430599527	0.979646747	0.999867943
<i>fecE</i>	0.061576961	0.909322477	0.946010592	0.999867943
<i>astB</i>	0.061066677	1.048398957	0.953551441	0.999867943

<i>topA</i>	0.060844139	0.718776766	0.932539995	0.999867943
<i>cheW</i>	0.060062816	0.987781524	0.951513895	0.999867943
<i>yniD</i>	0.059863418	3.095110182	0.984568847	0.999867943
<i>yiaC</i>	0.058900566	0.921410957	0.94903049	0.999867943
<i>lysR</i>	0.058314502	0.744359807	0.937556152	0.999867943
<i>yraJ</i>	0.057577319	0.793426787	0.942149968	0.999867943
<i>atpB</i>	0.057495573	1.096584051	0.958184856	0.999867943
<i>dmlA</i>	0.057332995	0.708475398	0.935502021	0.999867943
<i>yajG</i>	0.05681125	0.88133385	0.948603531	0.999867943
<i>yahF</i>	0.056635256	1.071395529	0.957842497	0.999867943
<i>glsB</i>	0.056151864	0.804799491	0.944375733	0.999867943
<i>uxaA</i>	0.05591649	0.941652125	0.952648439	0.999867943
<i>yahN</i>	0.05589428	0.83817819	0.946832127	0.999867943
<i>insLI</i>	0.055224732	1.532084014	0.97124608	0.999867943
<i>hofO</i>	0.055208626	1.196907384	0.963209773	0.999867943
<i>ydhZ</i>	0.055180788	2.528442261	0.982588329	0.999867943
<i>zraR</i>	0.05421107	1.007374283	0.957083173	0.999867943
<i>sgcB</i>	0.053533347	2.580747522	0.983450389	0.999867943
<i>yagM</i>	0.052649991	0.718029422	0.941546962	0.999867943
<i>sucA</i>	0.052600822	1.146648393	0.963411043	0.999867943
<i>uhpB</i>	0.05252494	0.999053741	0.958070784	0.999867943
<i>ybfB</i>	0.052229711	2.556983532	0.983703305	0.999867943
<i>tgt</i>	0.052181823	0.764613149	0.945589775	0.999867943
<i>ugd</i>	0.051553909	0.925057842	0.955556525	0.999867943
<i>waaF</i>	0.051469768	0.733721323	0.94407512	0.999867943
<i>yniB</i>	0.051307265	0.847736769	0.951739387	0.999867943
<i>yhdZ</i>	0.051253513	0.891521816	0.95415494	0.999867943
<i>atpC</i>	0.05108086	1.179271438	0.965449949	0.999867943
<i>insDI</i>	0.05063609	1.267400966	0.968130837	0.999867943
<i>oppF</i>	0.05015428	0.722262331	0.944638968	0.999867943
<i>chbF</i>	0.049967229	0.764482453	0.947886688	0.999867943
<i>argO</i>	0.049728808	0.762862848	0.948025042	0.999867943
<i>mdtD</i>	0.048184459	0.853819046	0.954996039	0.999867943
<i>garR</i>	0.048096085	0.831194762	0.95385712	0.999867943
<i>ygfQ</i>	0.047822298	0.610770637	0.937590775	0.999867943
<i>rssB</i>	0.047786026	0.734468641	0.948124606	0.999867943
<i>bcsE</i>	0.047384104	0.715656633	0.947210104	0.999867943
<i>nuoM</i>	0.047158585	0.914502111	0.958873318	0.999867943
<i>mscM</i>	0.04714167	0.806026619	0.953361122	0.999867943
<i>fadL</i>	0.047030891	0.719862417	0.947908736	0.999867943
<i>ychE</i>	0.046432197	0.895812593	0.958662167	0.999867943
<i>yghQ</i>	0.046408176	0.703786398	0.947425027	0.999867943
<i>kilR</i>	0.046163614	2.483088188	0.985167215	0.999867943
<i>nagD</i>	0.045135387	0.79684309	0.954829777	0.999867943
<i>der</i>	0.044810877	0.690584617	0.948262919	0.999867943
<i>yieH</i>	0.044737824	1.879571781	0.981010436	0.999867943
<i>phoQ</i>	0.044628951	0.668344645	0.946760543	0.999867943
<i>cusF</i>	0.044480946	2.400371451	0.985215359	0.999867943
<i>yjJ5</i>	0.044346568	2.384759348	0.985163533	0.999867943

<i>setA</i>	0.044191633	0.83714	0.957900169	0.999867943
<i>pheT</i>	0.04356211	0.818648686	0.957562824	0.999867943
<i>ydeN</i>	0.042182276	0.766865289	0.956133596	0.999867943
<i>proP</i>	0.041178601	0.622741267	0.947278519	0.999867943
<i>yhjJ</i>	0.040516641	0.771611682	0.958123039	0.999867943
<i>yehU</i>	0.03807411	0.643855286	0.952844918	0.999867943
<i>ykgO</i>	0.038059585	2.721392093	0.988841679	0.999867943
<i>ydfO</i>	0.036979073	2.394816612	0.987680118	0.999867943
<i>rhsR</i>	0.036375733	0.839521565	0.965439177	0.999867943
<i>birA</i>	0.035047507	0.780262121	0.964172983	0.999867943
<i>dgt</i>	0.034632666	0.659384786	0.958112212	0.999867943
<i>yagL</i>	0.034079295	0.941246132	0.971117646	0.999867943
<i>bioA</i>	0.03400384	0.982280818	0.972384963	0.999867943
<i>ydfA</i>	0.033191389	2.773420593	0.990451407	0.999867943
<i>ybeF</i>	0.032546109	1.10598252	0.976523779	0.999867943
<i>yijD</i>	0.032389923	0.963755607	0.973189722	0.999867943
<i>yicL</i>	0.032195267	0.951175128	0.972998451	0.999867943
<i>hofP</i>	0.031677798	0.936512716	0.973016483	0.999867943
<i>ybjT</i>	0.031584369	0.773716195	0.967438082	0.999867943
<i>prpB</i>	0.031451227	1.080060356	0.976768981	0.999867943
<i>pgaB</i>	0.031410568	0.701216883	0.964271213	0.999867943
<i>cfa</i>	0.031341827	0.6732779	0.962871006	0.999867943
<i>potH</i>	0.03109381	0.787313594	0.968496894	0.999867943
<i>ttdB</i>	0.030892376	0.881709848	0.972050321	0.999867943
<i>ymgI</i>	0.030439115	2.66748993	0.990895421	0.999867943
<i>waaA</i>	0.030290106	0.70446064	0.965703459	0.999867943
<i>ygaZ</i>	0.030203415	0.779886947	0.969107297	0.999867943
<i>acrR</i>	0.029581406	0.998777513	0.976372018	0.999867943
<i>ynaK</i>	0.029574703	2.507546591	0.990589745	0.999867943
<i>csiR</i>	0.029417134	0.907934354	0.974153009	0.999867943
<i>yggL</i>	0.028436339	2.493905501	0.990902452	0.999867943
<i>efp</i>	0.028408701	1.09425407	0.979287884	0.999867943
<i>ysaA</i>	0.028341712	1.235267979	0.981695121	0.999867943
<i>pta</i>	0.027274563	0.913424957	0.976178974	0.999867943
<i>marC</i>	0.02685753	0.815176102	0.973716928	0.999867943
<i>ulaG</i>	0.026735589	0.845869624	0.974785284	0.999867943
<i>yhhY</i>	0.026555996	2.061234062	0.989720705	0.999867943
<i>dtpD</i>	0.026403793	0.638504344	0.967014828	0.999867943
<i>eutD</i>	0.025663672	1.323071508	0.984524371	0.999867943
<i>ymiA</i>	0.025608762	2.648796393	0.992286113	0.999867943
<i>insF1</i>	0.025238394	1.261401468	0.984036818	0.999867943
<i>yaiL</i>	0.023370237	0.582342057	0.967988321	0.999867943
<i>yoaC</i>	0.022594374	1.034083141	0.982567873	0.999867943
<i>yhgN</i>	0.022214998	0.923631952	0.980811302	0.999867943
<i>yjgR</i>	0.021661244	0.594362667	0.970927941	0.999867943
<i>hcaF</i>	0.021419623	1.053489481	0.983778472	0.999867943
<i>yaeR</i>	0.021186353	0.977999502	0.982716819	0.999867943
<i>ydiF</i>	0.020753257	0.703822639	0.976476597	0.999867943
<i>yhbT</i>	0.020712791	0.891241951	0.981458538	0.999867943

<i>chiP</i>	0.020386357	0.716936913	0.977314925	0.999867943
<i>dtpA</i>	0.020272122	0.782325774	0.979327022	0.999867943
<i>ydhS</i>	0.019926244	0.727421703	0.978146302	0.999867943
<i>flgK</i>	0.019904073	0.7142113	0.977766948	0.999867943
<i>yjeT</i>	0.019659323	2.503475642	0.993734427	0.999867943
<i>ycjO</i>	0.018944593	0.960588272	0.984265248	0.999867943
<i>yidD</i>	0.018895307	1.206113622	0.987500633	0.999867943
<i>rlmM</i>	0.018569557	0.713460763	0.979235452	0.999867943
<i>ynjI</i>	0.018505961	0.74323946	0.98013548	0.999867943
<i>nfrB</i>	0.018349596	0.672918013	0.978245425	0.999867943
<i>eutA</i>	0.017964192	1.27990462	0.988801603	0.999867943
<i>yagU</i>	0.01786221	0.616983149	0.97690376	0.999867943
<i>yeeR</i>	0.017583823	0.780326176	0.982022039	0.999867943
<i>yeeT</i>	0.017301092	2.851527978	0.99515902	0.999867943
<i>anmK</i>	0.016927381	0.771670536	0.982498991	0.999867943
<i>dkgB</i>	0.016846921	1.136898141	0.988177124	0.999867943
<i>sufS</i>	0.016731885	0.985621364	0.986455781	0.999867943
<i>lipA</i>	0.016631417	0.837447609	0.984155332	0.999867943
<i>ispU</i>	0.015938481	0.957238421	0.986715451	0.999867943
<i>slmA</i>	0.014481881	0.932243242	0.987605805	0.999867943
<i>flk</i>	0.014112066	0.777253985	0.985514155	0.999867943
<i>ydjM</i>	0.01351454	0.977590907	0.988970131	0.999867943
<i>yceF</i>	0.013344554	0.88582313	0.987980659	0.999867943
<i>ydbD</i>	0.013127378	0.749166741	0.986019673	0.999867943
<i>arfA</i>	0.012831908	2.581916963	0.996034598	0.999867943
<i>msbA</i>	0.012752863	0.729292547	0.986048405	0.999867943
<i>napA</i>	0.011694629	0.867452599	0.989243584	0.999867943
<i>allS</i>	0.011680006	0.773300266	0.987949129	0.999867943
<i>ssuB</i>	0.011335207	0.952450504	0.990504522	0.999867943
<i>yddW</i>	0.010847277	0.774791759	0.988829783	0.999867943
<i>insK</i>	0.010795954	1.177473689	0.992684504	0.999867943
<i>ppsR</i>	0.010747071	0.783788831	0.989059995	0.999867943
<i>srlR</i>	0.010500036	0.952754684	0.991206922	0.999867943
<i>ybjG</i>	0.010464992	0.807696546	0.989662427	0.999867943
<i>ycal</i>	0.009650153	0.618613475	0.987553785	0.999867943
<i>yfcF</i>	0.009101138	0.857416345	0.991530928	0.999867943
<i>glyA</i>	0.008889342	0.85039952	0.991659756	0.999867943
<i>hldE</i>	0.007996308	0.730920633	0.991271278	0.999867943
<i>idi</i>	0.007757262	1.012946883	0.99388977	0.999867943
<i>polA</i>	0.007331434	0.61980261	0.990562315	0.999867943
<i>deoC</i>	0.006581146	1.048305117	0.994991	0.999867943
<i>yjjK</i>	0.006559844	0.639395892	0.991814294	0.999867943
<i>ybjJ</i>	0.006209972	0.774290728	0.993600869	0.999867943
<i>yfeK</i>	0.005739777	1.971497293	0.997677058	0.999867943
<i>rarA</i>	0.005339487	0.786295406	0.994581856	0.999867943
<i>treA</i>	0.005247296	0.688399822	0.993918221	0.999867943
<i>phoA</i>	0.005214231	0.767988954	0.994582836	0.999867943
<i>ybeD</i>	0.004887759	1.501781261	0.997403177	0.999867943
<i>qmcA</i>	0.004794239	0.812408487	0.995291498	0.999867943

<i>hslR</i>	0.004488123	0.974587009	0.996325632	0.999867943
<i>hscC</i>	0.003177581	0.743839275	0.996591556	0.999867943
<i>yafW</i>	0.002527222	0.889118515	0.997732104	0.999867943
<i>ycbZ</i>	0.002429431	0.695487144	0.997212886	0.999867943
<i>yafN</i>	0.00238261	0.803369457	0.99763366	0.999867943
<i>ybaO</i>	0.001972108	0.943045929	0.998331456	0.999867943
<i>ynfD</i>	0.0000687	1.303187656	0.999957923	0.999957923
<i>yjhC</i>	-0.000493947	1.172494382	0.999663868	0.999909425
<i>efeO</i>	-0.000785031	0.721037395	0.999131302	0.999867943
<i>fkpA</i>	-0.001052316	0.814330874	0.998968937	0.999867943
<i>yaiW</i>	-0.0012032	0.781735681	0.998771945	0.999867943
<i>rapA</i>	-0.001232099	0.627388489	0.998433073	0.999867943
<i>dpiA</i>	-0.001626496	0.922496853	0.998593214	0.999867943
<i>cnu</i>	-0.001716442	2.653006537	0.999483785	0.999909425
<i>ycfD</i>	-0.002289356	0.832189108	0.997805019	0.999867943
<i>yjdL</i>	-0.002439744	0.815878402	0.997614067	0.999867943
<i>yghA</i>	-0.002512293	0.807775251	0.997518473	0.999867943
<i>mrp</i>	-0.002983671	0.814863514	0.997078505	0.999867943
<i>hypA</i>	-0.003349854	1.078983247	0.99752286	0.999867943
<i>wzxC</i>	-0.003666896	0.881443366	0.996680727	0.999867943
<i>pqiB</i>	-0.004033986	0.660401134	0.995126243	0.999867943
<i>yciQ</i>	-0.00430218	0.641821139	0.994651754	0.999867943
<i>dapB</i>	-0.004691972	0.807874814	0.995366075	0.999867943
<i>bfd</i>	-0.004798988	2.406640414	0.998408971	0.999867943
<i>yfbU</i>	-0.005133006	0.875309949	0.99532106	0.999867943
<i>ldcC</i>	-0.006900414	0.664230588	0.99171126	0.999867943
<i>yqgB</i>	-0.007123611	3.057977593	0.998141316	0.999867943
<i>lldP</i>	-0.007226672	0.631938117	0.990875809	0.999867943
<i>yiaN</i>	-0.007389823	0.788049457	0.992518059	0.999867943
<i>rpoB</i>	-0.007423978	1.017057654	0.99417592	0.999867943
<i>ygjJ</i>	-0.007870334	0.760487187	0.991742786	0.999867943
<i>pntB</i>	-0.008670558	0.669060474	0.98966026	0.999867943
<i>rplM</i>	-0.008754511	1.610859539	0.995663772	0.999867943
<i>hydN</i>	-0.009238987	1.000090347	0.992629125	0.999867943
<i>slyX</i>	-0.009435	2.633132433	0.997141038	0.999867943
<i>recX</i>	-0.009702309	1.016007678	0.992380762	0.999867943
<i>rscD</i>	-0.010386144	0.614098375	0.986506154	0.999867943
<i>yigF</i>	-0.010601792	2.426926419	0.99651453	0.999867943
<i>ybiH</i>	-0.010615355	0.966650125	0.991238135	0.999867943
<i>nikA</i>	-0.011157025	0.6384446	0.98605742	0.999867943
<i>trkG</i>	-0.011721421	0.849222319	0.98898752	0.999867943
<i>ydaQ</i>	-0.011852365	2.719728039	0.996522892	0.999867943
<i>ytfQ</i>	-0.011894959	0.720419669	0.986826605	0.999867943
<i>frwB</i>	-0.011938472	2.469548827	0.996142824	0.999867943
<i>selA</i>	-0.01273744	0.817667523	0.987571237	0.999867943
<i>zapA</i>	-0.012951107	1.385794897	0.992543386	0.999867943
<i>aaeR</i>	-0.013440628	0.722221382	0.985152128	0.999867943
<i>ybfP</i>	-0.013664561	2.006234743	0.994565612	0.999867943
<i>tdcA</i>	-0.015099594	1.033124859	0.988338966	0.999867943

<i>deoB</i>	-0.015109495	1.149060731	0.989508574	0.999867943
<i>yfcV</i>	-0.015177718	0.975845916	0.987590686	0.999867943
<i>yihU</i>	-0.016520847	0.917289195	0.985630468	0.999867943
<i>leuO</i>	-0.016827827	1.250141355	0.989260208	0.999867943
<i>fliG</i>	-0.017355576	1.182819212	0.988293013	0.999867943
<i>artJ</i>	-0.017553095	1.056702971	0.986746796	0.999867943
<i>yraK</i>	-0.017793136	1.158157767	0.987742335	0.999867943
<i>ybjO</i>	-0.017805104	1.01274689	0.985973113	0.999867943
<i>ppdA</i>	-0.017992019	1.007689075	0.985754742	0.999867943
<i>feoB</i>	-0.018193078	0.71240983	0.979626336	0.999867943
<i>yqiJ</i>	-0.018202304	1.125517309	0.987096863	0.999867943
<i>ldhA</i>	-0.018213942	0.892233687	0.98371322	0.999867943
<i>mdtE</i>	-0.018288586	0.727575089	0.979946202	0.999867943
<i>bacA</i>	-0.018929521	0.678984324	0.97775852	0.999867943
<i>eno</i>	-0.018996198	0.854750109	0.982269057	0.999867943
<i>nagZ</i>	-0.019277476	0.755394275	0.979640392	0.999867943
<i>guaC</i>	-0.019756287	0.793379994	0.980133596	0.999867943
<i>csiE</i>	-0.020863042	0.688391004	0.975822242	0.999867943
<i>nemR</i>	-0.021170748	1.058331116	0.984040263	0.999867943
<i>yaaH</i>	-0.021214023	0.76802543	0.977964025	0.999867943
<i>yghD</i>	-0.021932188	0.977529389	0.982099888	0.999867943
<i>sibA</i>	-0.022050626	2.942071787	0.994019966	0.999867943
<i>potE</i>	-0.022064411	0.746109196	0.976407894	0.999867943
<i>ilvD</i>	-0.022886468	0.708277766	0.974222567	0.999867943
<i>ygdR</i>	-0.022981431	2.443197019	0.992494974	0.999867943
<i>htpX</i>	-0.02360269	0.74187482	0.974619646	0.999867943
<i>insA</i>	-0.023838229	0.883861322	0.97848322	0.999867943
<i>ubiG</i>	-0.024025996	0.813970734	0.97645224	0.999867943
<i>miaA</i>	-0.024556099	0.839997323	0.976678328	0.999867943
<i>ybeR</i>	-0.025654877	1.082900676	0.981099176	0.999867943
<i>dcyD</i>	-0.025683227	0.841922312	0.975663939	0.999867943
<i>rrsC</i>	-0.026903112	1.59202991	0.986517492	0.999867943
<i>kdgR</i>	-0.027091475	0.795069078	0.972817849	0.999867943
<i>opgC</i>	-0.027247273	0.96488596	0.977471649	0.999867943
<i>eutL</i>	-0.027844362	1.193736939	0.981390731	0.999867943
<i>yhdX</i>	-0.027952552	0.689811352	0.967676949	0.999867943
<i>rluC</i>	-0.028028242	0.777912098	0.971258367	0.999867943
<i>yfdP</i>	-0.028744817	2.038356118	0.988748637	0.999867943
<i>pspA</i>	-0.028905959	0.813920798	0.971669515	0.999867943
<i>ybjN</i>	-0.029710517	1.096911407	0.97839145	0.999867943
<i>yhfG</i>	-0.029743255	3.194093757	0.992570243	0.999867943
<i>envY</i>	-0.030011178	1.088298516	0.978000135	0.999867943
<i>yeiS</i>	-0.030354079	1.07267966	0.977424929	0.999867943
<i>insFl</i>	-0.031202959	1.50297261	0.983436444	0.999867943
<i>dtpB</i>	-0.032017768	0.777782089	0.967163978	0.999867943
<i>mutT</i>	-0.032232212	0.980726491	0.973781727	0.999867943
<i>yfaP</i>	-0.032410508	0.822084703	0.968551724	0.999867943
<i>glcA</i>	-0.032534377	0.656383056	0.960468127	0.999867943
<i>ansB</i>	-0.032788147	1.010401963	0.974112713	0.999867943

<i>gtrS</i>	-0.033160397	1.242081443	0.978701053	0.999867943
<i>rluB</i>	-0.033399165	0.838333289	0.968220718	0.999867943
<i>yfbM</i>	-0.033648506	1.232752822	0.97822411	0.999867943
<i>lacI</i>	-0.034530707	1.075956898	0.974397869	0.999867943
<i>mreB</i>	-0.034588962	0.861095579	0.967958749	0.999867943
<i>shiA</i>	-0.035203643	0.692458375	0.959454099	0.999867943
<i>prpR</i>	-0.035257739	0.905646386	0.968945384	0.999867943
<i>proB</i>	-0.03574622	1.001114644	0.971516451	0.999867943
<i>tomB</i>	-0.036100822	1.381727899	0.979155801	0.999867943
<i>gltK</i>	-0.036248588	0.716055511	0.959626258	0.999867943
<i>yjjY</i>	-0.038805555	2.722684894	0.988628392	0.999867943
<i>alsA</i>	-0.038924312	1.008249176	0.969204641	0.999867943
<i>garP</i>	-0.039018918	0.632332963	0.950796734	0.999867943
<i>xapA</i>	-0.039937088	0.841795391	0.962160358	0.999867943
<i>opgB</i>	-0.040121546	0.636333624	0.9497258	0.999867943
<i>metQ</i>	-0.04020002	0.988656466	0.967565944	0.999867943
<i>cyoB</i>	-0.040289491	0.917349705	0.964968615	0.999867943
<i>yghG</i>	-0.040445267	1.164032576	0.972282423	0.999867943
<i>yqjG</i>	-0.041417241	1.022328432	0.967684416	0.999867943
<i>pphB</i>	-0.042128743	2.347365156	0.985680937	0.999867943
<i>pflD</i>	-0.042711714	0.639055806	0.946712538	0.999867943
<i>yaiC</i>	-0.042791258	0.722762015	0.952788681	0.999867943
<i>yiaK</i>	-0.04395476	0.918377058	0.961826748	0.999867943
<i>ybgO</i>	-0.044064841	0.89866196	0.960892333	0.999867943
<i>ybhS</i>	-0.044494661	0.809647614	0.956173845	0.999867943
<i>truB</i>	-0.045377361	0.902129587	0.959883109	0.999867943
<i>leuE</i>	-0.0454872	0.968322281	0.962532938	0.999867943
<i>ycaQ</i>	-0.04618299	0.754352636	0.951182395	0.999867943
<i>araD</i>	-0.046186685	0.959507148	0.961607981	0.999867943
<i>accD</i>	-0.04618695	0.917865165	0.959867408	0.999867943
<i>rpiA</i>	-0.04623786	0.806987376	0.954308705	0.999867943
<i>puuC</i>	-0.046740417	1.174944045	0.968267746	0.999867943
<i>ynfO</i>	-0.047003515	2.324386807	0.983866359	0.999867943
<i>narQ</i>	-0.047901355	0.63537159	0.939903551	0.999867943
<i>mazF</i>	-0.048807455	2.417964395	0.983895515	0.999867943
<i>pntA</i>	-0.048823777	0.819697666	0.952503566	0.999867943
<i>bioF</i>	-0.049321916	1.390750105	0.971709549	0.999867943
<i>yigB</i>	-0.050278525	1.011866952	0.960370326	0.999867943
<i>cbl</i>	-0.050403059	1.002113715	0.959885917	0.999867943
<i>sodC</i>	-0.050476253	1.010303988	0.960153107	0.999867943
<i>cueO</i>	-0.051487316	0.67797056	0.939464215	0.999867943
<i>yphB</i>	-0.051701166	0.879780461	0.953138501	0.999867943
<i>cmk</i>	-0.052023234	1.183185522	0.964929283	0.999867943
<i>osmB</i>	-0.0520427	2.748534	0.984893188	0.999867943
<i>yehC</i>	-0.052389452	0.882598394	0.952666806	0.999867943
<i>pfkA</i>	-0.052426283	0.819222828	0.948974094	0.999867943
<i>waaG</i>	-0.052568244	1.123235006	0.962672029	0.999867943
<i>uidC</i>	-0.05267915	0.771812094	0.945583557	0.999867943
<i>lptF</i>	-0.053712701	0.771727708	0.94451157	0.999867943

<i>ydgK</i>	-0.053803648	1.06848831	0.959839556	0.999867943
<i>yphG</i>	-0.05444145	0.773131438	0.943861912	0.999867943
<i>gntU</i>	-0.054753042	0.762523575	0.942757055	0.999867943
<i>rihC</i>	-0.055054831	0.857938349	0.948834004	0.999867943
<i>dxr</i>	-0.055816466	0.727777044	0.938866613	0.999867943
<i>clcB</i>	-0.056037527	0.884146572	0.949463627	0.999867943
<i>sufB</i>	-0.057121078	0.789085545	0.942292374	0.999867943
<i>ycdU</i>	-0.057283717	0.785795156	0.941886454	0.999867943
<i>paaA</i>	-0.057325148	0.845088492	0.945918329	0.999867943
<i>ydeI</i>	-0.05829051	1.133674654	0.958992985	0.999867943
<i>rho</i>	-0.058383925	0.953522903	0.951176274	0.999867943
<i>lpoA</i>	-0.058399054	0.710868005	0.934526038	0.999867943
<i>nnr</i>	-0.059879471	0.928413274	0.948574839	0.999867943
<i>glyW</i>	-0.06018959	2.144487273	0.977608615	0.999867943
<i>ydjO</i>	-0.06054631	1.178913894	0.959040488	0.999867943
<i>ycfS</i>	-0.060821841	0.858730346	0.943534936	0.999867943
<i>malP</i>	-0.060877786	0.635928006	0.923734517	0.999867943
<i>ecpC</i>	-0.061229014	0.81219291	0.93990658	0.999867943
<i>dicC</i>	-0.061308312	2.046713305	0.976103326	0.999867943
<i>rpoE</i>	-0.061411332	1.255678588	0.9609935	0.999867943
<i>greB</i>	-0.061483928	1.163414393	0.95785315	0.999867943
<i>dnaC</i>	-0.062309067	1.007746658	0.950698141	0.999867943
<i>dapD</i>	-0.062314498	0.801754232	0.938048643	0.999867943
<i>ycfP</i>	-0.063177336	0.985710623	0.948896026	0.999867943
<i>proA</i>	-0.063720548	0.893660267	0.943156706	0.999867943
<i>grxC</i>	-0.064962544	1.231166647	0.957919125	0.999867943
<i>intA</i>	-0.064964711	1.006462439	0.948534226	0.999867943
<i>murB</i>	-0.065929716	1.160116067	0.954680396	0.999867943
<i>spr</i>	-0.066401698	1.157630925	0.954258434	0.999867943
<i>rfbA</i>	-0.066723646	1.112734639	0.952184574	0.999867943
<i>feaR</i>	-0.068708395	0.917003783	0.940272749	0.999867943
<i>insA</i>	-0.069086906	1.245662808	0.955770432	0.999867943
<i>ychA</i>	-0.069484976	0.763209481	0.927458325	0.999867943
<i>brnQ</i>	-0.069933075	0.710732561	0.921618036	0.999867943
<i>csgB</i>	-0.070263166	2.493950356	0.977523819	0.999867943
<i>yhjH</i>	-0.070732793	0.799932168	0.929540093	0.999867943
<i>proX</i>	-0.070921438	0.698986589	0.919182744	0.999867943
<i>ynfB</i>	-0.070927641	0.928553463	0.939112731	0.999867943
<i>yciG</i>	-0.071129317	2.814673801	0.979838891	0.999867943
<i>dmsA</i>	-0.071595333	0.601375029	0.905233588	0.999867943
<i>mutM</i>	-0.071692148	0.792039822	0.927877309	0.999867943
<i>codA</i>	-0.071779623	0.810929531	0.929467171	0.999867943
<i>rlmF</i>	-0.071927952	0.812437635	0.929452656	0.999867943
<i>yeaJ</i>	-0.072473831	0.79620394	0.927473358	0.999867943
<i>zapB</i>	-0.072996653	1.302937246	0.95532214	0.999867943
<i>btuB</i>	-0.07338936	0.918289378	0.936301167	0.999867943
<i>hyuA</i>	-0.073660739	0.682540412	0.914058016	0.999867943
<i>pflA</i>	-0.073736363	0.829367568	0.929156031	0.999867943
<i>clpP</i>	-0.074542305	1.0199386	0.941738406	0.999867943

<i>yaiE</i>	-0.074789198	2.571925651	0.976801531	0.999867943
<i>dsdA</i>	-0.076133253	0.787449979	0.922977912	0.999867943
<i>ykgJ</i>	-0.076170092	0.793702832	0.923545969	0.999867943
<i>fliK</i>	-0.077229351	0.865484082	0.928897098	0.999867943
<i>yacH</i>	-0.077948945	0.651647714	0.90478558	0.999867943
<i>yiaT</i>	-0.078130068	2.32350471	0.973175424	0.999867943
<i>gspC</i>	-0.07815993	1.040384347	0.940114449	0.999867943
<i>mltC</i>	-0.078452681	1.08340748	0.942273317	0.999867943
<i>aroG</i>	-0.078518431	0.819227128	0.923644059	0.999867943
<i>sxy</i>	-0.07859221	2.322515259	0.973005325	0.999867943
<i>yeeN</i>	-0.079816407	1.289560429	0.950647027	0.999867943
<i>ydiP</i>	-0.07996849	0.815616901	0.921895265	0.999867943
<i>lpxH</i>	-0.080014497	0.810292872	0.921338654	0.999867943
<i>tynA</i>	-0.08064258	0.755524782	0.914997491	0.999867943
<i>ftsN</i>	-0.080905399	0.76192778	0.91543547	0.999867943
<i>phnN</i>	-0.080971465	1.664068269	0.961191258	0.999867943
<i>yeiL</i>	-0.081553163	1.134000862	0.942668507	0.999867943
<i>qorB</i>	-0.081905645	0.852187653	0.923431448	0.999867943
<i>yejM</i>	-0.082101879	0.682612827	0.904264586	0.999867943
<i>ygbF</i>	-0.082201292	2.013263812	0.96743153	0.999867943
<i>yciZ</i>	-0.082321302	2.662734375	0.975336468	0.999867943
<i>gcvA</i>	-0.082405133	0.86560541	0.92415643	0.999867943
<i>psiE</i>	-0.082504076	2.37228617	0.972256526	0.999867943
<i>yqjC</i>	-0.082530468	1.139138461	0.942243874	0.999867943
<i>wcaJ</i>	-0.083021621	0.908536761	0.927191062	0.999867943
<i>flxA</i>	-0.084463573	1.975978819	0.965904663	0.999867943
<i>argE</i>	-0.085025813	0.736745543	0.908122294	0.999867943
<i>argH</i>	-0.085361897	0.797472221	0.914756779	0.999867943
<i>clcA</i>	-0.086988212	0.78879645	0.91218758	0.999867943
<i>sfmD</i>	-0.087390371	0.743758552	0.906465186	0.999867943
<i>fucA</i>	-0.087517103	2.340650349	0.970173982	0.999867943
<i>ptrA</i>	-0.087946204	0.609971942	0.885357752	0.999867943
<i>grxB</i>	-0.0879568	0.961377125	0.927102915	0.999867943
<i>uhpA</i>	-0.088999476	1.18910271	0.940337312	0.999867943
<i>yccT</i>	-0.089155539	0.846554299	0.91612523	0.999867943
<i>erfK</i>	-0.089482038	0.81205114	0.91225662	0.999867943
<i>nrdB</i>	-0.090545863	0.816850248	0.911737225	0.999867943
<i>yaiA</i>	-0.090682117	2.540979121	0.971531248	0.999867943
<i>galT</i>	-0.091619898	1.087221034	0.932841924	0.999867943
<i>ymgC</i>	-0.092934223	2.75011218	0.97304231	0.999867943
<i>ydaE</i>	-0.093005331	2.647270103	0.971974052	0.999867943
<i>atoE</i>	-0.093650524	0.801588733	0.906993868	0.999867943
<i>ynjH</i>	-0.093797682	2.715844365	0.972448772	0.999867943
<i>bglF</i>	-0.093838389	0.935948956	0.920137788	0.999867943
<i>iraP</i>	-0.093946573	2.507742311	0.970116152	0.999867943
<i>yjgN</i>	-0.094221124	1.385594933	0.94578525	0.999867943
<i>trpS</i>	-0.094451625	0.865913262	0.913141047	0.999867943
<i>yqfB</i>	-0.094649265	2.421705429	0.968823638	0.999867943
<i>mscK</i>	-0.094836631	0.580696968	0.870270281	0.999867943

<i>cusC</i>	-0.095494777	0.833315073	0.908765158	0.999867943
<i>arsB</i>	-0.096331068	0.714739004	0.892787428	0.999867943
<i>ygaC</i>	-0.096940382	2.440652526	0.96831712	0.999867943
<i>phnP</i>	-0.098088696	1.081308827	0.927720694	0.999867943
<i>nrfE</i>	-0.098118336	0.823415117	0.905148413	0.999867943
<i>wbbI</i>	-0.098476397	1.786620462	0.956043809	0.999867943
<i>cynS</i>	-0.100001169	0.831189725	0.904236884	0.999867943
<i>bluR</i>	-0.100823458	1.131788032	0.929015678	0.999867943
<i>scpA</i>	-0.100974047	0.690540283	0.883744006	0.999867943
<i>lpxT</i>	-0.101316741	0.801579756	0.899418205	0.999867943
<i>alaC</i>	-0.103207971	0.756108845	0.891426951	0.999867943
<i>yhfK</i>	-0.103997046	0.621770881	0.867165921	0.999867943
<i>yigE</i>	-0.104207478	1.954295228	0.957475128	0.999867943
<i>tdcC</i>	-0.104555823	0.813349752	0.897714012	0.999867943
<i>thrC</i>	-0.10555948	0.704400894	0.880877353	0.999867943
<i>amyA</i>	-0.105820713	0.707420239	0.881090642	0.999867943
<i>yjcE</i>	-0.10589973	0.71254618	0.881852253	0.999867943
<i>thrA</i>	-0.106016755	0.568424855	0.852045065	0.999867943
<i>ispG</i>	-0.106071329	0.960809711	0.912093856	0.999867943
<i>mreC</i>	-0.106184571	0.821816962	0.897193793	0.999867943
<i>rplL</i>	-0.10675062	1.222883346	0.930437666	0.999867943
<i>loiP</i>	-0.107343556	0.954577825	0.91046555	0.999867943
<i>dmsD</i>	-0.108260624	0.943996445	0.908696154	0.999867943
<i>dld</i>	-0.10876724	0.693545234	0.875380487	0.999867943
<i>yjbE</i>	-0.109034847	2.227007406	0.960950971	0.999867943
<i>smtA</i>	-0.109275877	0.795820003	0.890783947	0.999867943
<i>dcuS</i>	-0.109775396	0.7488704	0.883457245	0.999867943
<i>ydbL</i>	-0.11010014	2.338901032	0.962454688	0.999867943
<i>yihG</i>	-0.110904626	1.023733769	0.913731178	0.999867943
<i>trpA</i>	-0.111065914	0.79194588	0.888466953	0.999867943
<i>ybgQ</i>	-0.111545365	0.62622885	0.858626877	0.999867943
<i>ydaF</i>	-0.112178845	2.869597107	0.968816885	0.999867943
<i>bcsF</i>	-0.113496549	2.806503684	0.967741903	0.999867943
<i>ygiM</i>	-0.113579249	0.74844778	0.879381697	0.999867943
<i>thiF</i>	-0.113617493	1.137866832	0.920462373	0.999867943
<i>prmA</i>	-0.113624399	0.745651027	0.878885014	0.999867943
<i>wza</i>	-0.113790549	0.805977511	0.887725154	0.999867943
<i>yecR</i>	-0.113994918	2.537248947	0.96416426	0.999867943
<i>galP</i>	-0.114241819	0.675802061	0.865760245	0.999867943
<i>ybgA</i>	-0.114452286	0.869499934	0.895276946	0.999867943
<i>hemD</i>	-0.115179483	0.836613869	0.890498536	0.999867943
<i>ybhM</i>	-0.116038614	1.321460512	0.930026988	0.999867943
<i>yeaQ</i>	-0.116889963	2.169309083	0.957027984	0.999867943
<i>mazG</i>	-0.117369375	0.790876456	0.882023798	0.999867943
<i>yciI</i>	-0.11737221	2.120694948	0.95586273	0.999867943
<i>ycfH</i>	-0.117372658	0.978971421	0.904567232	0.999867943
<i>ybdR</i>	-0.117766335	0.887964832	0.894489961	0.999867943
<i>dxs</i>	-0.118761799	0.70287409	0.865823413	0.999867943
<i>ulaA</i>	-0.118965708	0.794961728	0.88104107	0.999867943

<i>ygfT</i>	-0.119432811	0.628957112	0.849395148	0.999867943
<i>atpH</i>	-0.11987659	1.126728255	0.915270131	0.999867943
<i>yfdC</i>	-0.119994043	1.050413183	0.909051437	0.999867943
<i>eamA</i>	-0.120040019	0.915047652	0.8956294	0.999867943
<i>ydiH</i>	-0.121067971	1.087526691	0.911359316	0.999867943
<i>fiu</i>	-0.121361542	0.703263545	0.862990159	0.999867943
<i>ybfD</i>	-0.121536148	1.243029652	0.922111647	0.999867943
<i>yeaI</i>	-0.12214686	0.968132527	0.899599338	0.999867943
<i>tam</i>	-0.122566469	0.948877422	0.897223157	0.999867943
<i>ushA</i>	-0.122605327	0.627526952	0.845096582	0.999867943
<i>wcaE</i>	-0.122886193	0.882358719	0.889236711	0.999867943
<i>ycgV</i>	-0.123051521	0.620300755	0.842752485	0.999867943
<i>serW</i>	-0.123071038	2.123757573	0.953788723	0.999867943
<i>eptB</i>	-0.123290055	0.795098673	0.876771979	0.999867943
<i>ycjX</i>	-0.123428211	0.960783322	0.897780022	0.999867943
<i>rutA</i>	-0.123529084	0.801774309	0.877554821	0.999867943
<i>yihD</i>	-0.124114741	2.452896188	0.95964485	0.999867943
<i>mrdB</i>	-0.124692037	0.676453309	0.853752958	0.999867943
<i>yeaW</i>	-0.126034118	0.777579096	0.871238705	0.999867943
<i>yciE</i>	-0.126117046	1.046037551	0.904034435	0.999867943
<i>gudD</i>	-0.126613817	0.689152006	0.854229919	0.999867943
<i>glpG</i>	-0.12685891	0.789816337	0.872394088	0.999867943
<i>pldB</i>	-0.126933806	0.868213534	0.883762608	0.999867943
<i>dhaK</i>	-0.126949406	0.788911367	0.872158617	0.999867943
<i>pbpG</i>	-0.127622689	0.797484182	0.872856162	0.999867943
<i>mtn</i>	-0.127955077	0.857779057	0.88141933	0.999867943
<i>insDI</i>	-0.127985611	1.411331796	0.92774346	0.999867943
<i>ompX</i>	-0.128030419	1.26553237	0.9194177	0.999867943
<i>yqjA</i>	-0.128299147	0.822463668	0.876037991	0.999867943
<i>dusA</i>	-0.128311286	0.79451367	0.87170226	0.999867943
<i>ykgF</i>	-0.128367739	0.631135424	0.838828847	0.999867943
<i>prmB</i>	-0.128716896	0.852404252	0.879972149	0.999867943
<i>yfjW</i>	-0.129760708	1.044917834	0.901170627	0.999867943
<i>wbbH</i>	-0.130790721	1.176058778	0.911448996	0.999867943
<i>stpA</i>	-0.131324295	2.435117823	0.956991461	0.999867943
<i>glyV</i>	-0.131840511	2.14756423	0.951048044	0.999867943
<i>rtcR</i>	-0.131849154	0.832199468	0.874114385	0.999867943
<i>proS</i>	-0.131931218	0.759359641	0.862069723	0.999867943
<i>ppx</i>	-0.132067548	0.699750803	0.850300429	0.999867943
<i>insDI</i>	-0.132273891	1.467681669	0.928188381	0.999867943
<i>ugpE</i>	-0.132562281	0.830283057	0.873149587	0.999867943
<i>ubiC</i>	-0.132673706	1.088398824	0.902979751	0.999867943
<i>yhaV</i>	-0.133006244	1.8568058	0.942894974	0.999867943
<i>yhaB</i>	-0.133342406	2.286109289	0.953487984	0.999867943
<i>yheV</i>	-0.133507271	2.738232485	0.961113163	0.999867943
<i>sapF</i>	-0.133632232	0.852340402	0.875416106	0.999867943
<i>yqeF</i>	-0.133989034	0.814948744	0.869405193	0.999867943
<i>yhdV</i>	-0.134576056	2.663920656	0.959709572	0.999867943
<i>hslV</i>	-0.13464071	0.922442601	0.88395212	0.999867943

<i>cysK</i>	-0.134709964	0.763246278	0.859904241	0.999867943
<i>xanQ</i>	-0.135477603	0.976609171	0.889669488	0.999867943
<i>hmp</i>	-0.13552177	0.733177046	0.853353116	0.999867943
<i>hofM</i>	-0.135631086	1.099216295	0.901799149	0.999867943
<i>recN</i>	-0.135675852	0.703508189	0.84707166	0.999867943
<i>ydiM</i>	-0.135705748	1.123287979	0.903840593	0.999867943
<i>matP</i>	-0.136388558	2.383699969	0.954372204	0.999867943
<i>yjdM</i>	-0.136615514	2.430271617	0.955171255	0.999867943
<i>rcsC</i>	-0.136622827	0.636382948	0.83001175	0.999867943
<i>yeiQ</i>	-0.136781783	0.645384783	0.832155135	0.999867943
<i>panE</i>	-0.137121632	0.775152922	0.859589897	0.999867943
<i>yagN</i>	-0.137230402	0.983613907	0.889041993	0.999867943
<i>yjdA</i>	-0.137815513	0.757165501	0.855570919	0.999867943
<i>oppA</i>	-0.138523735	0.777310049	0.858558753	0.999867943
<i>hold</i>	-0.138830779	1.494471302	0.925985985	0.999867943
<i>glk</i>	-0.13973513	0.659404123	0.8321763	0.999867943
<i>afuC</i>	-0.139857051	0.866670776	0.871799823	0.999867943
<i>leuQ</i>	-0.139903935	2.861339583	0.961003325	0.999867943
<i>dacD</i>	-0.139927078	0.799071654	0.860991588	0.999867943
<i>cytR</i>	-0.140143867	0.86982956	0.87200167	0.999867943
<i>eptC</i>	-0.140705475	1.043077577	0.892695252	0.999867943
<i>priF</i>	-0.140884481	2.524599016	0.955497394	0.999867943
<i>thiE</i>	-0.141908891	1.469711955	0.923079333	0.999867943
<i>rhaM</i>	-0.14242029	2.437390818	0.953404961	0.999867943
<i>murC</i>	-0.142628311	0.832642938	0.863991115	0.999867943
<i>yqcC</i>	-0.142741929	1.303120197	0.912775327	0.999867943
<i>exuR</i>	-0.143211282	0.879720881	0.870682422	0.999867943
<i>ydaT</i>	-0.143353158	1.151315574	0.900909519	0.999867943
<i>barA</i>	-0.143637657	0.667188237	0.829542743	0.999867943
<i>yfdT</i>	-0.143851712	2.538199717	0.954804327	0.999867943
<i>ybiV</i>	-0.143854051	0.992701054	0.884780546	0.999867943
<i>yhiN</i>	-0.143902753	0.73646927	0.845083369	0.999867943
<i>ybfC</i>	-0.144095645	1.950417886	0.941106371	0.999867943
<i>yjaZ</i>	-0.144276452	1.965881	0.941495595	0.999867943
<i>insB1</i>	-0.144656725	0.977184245	0.882315748	0.999867943
<i>pnuC</i>	-0.145267715	0.961577212	0.879918655	0.999867943
<i>entF</i>	-0.145363552	0.817226394	0.858821714	0.999867943
<i>eco</i>	-0.145531789	1.063926294	0.891198786	0.999867943
<i>ydcA</i>	-0.145758213	2.791501619	0.958357394	0.999867943
<i>yhaI</i>	-0.146345218	1.976383166	0.940972998	0.999867943
<i>lptC</i>	-0.147212334	1.04924257	0.888420252	0.999867943
<i>yhcN</i>	-0.147442554	1.870958524	0.937187018	0.999867943
<i>mutY</i>	-0.147724504	0.791869368	0.852012212	0.999867943
<i>yrbL</i>	-0.147996638	1.13565956	0.89631501	0.999867943
<i>ilvM</i>	-0.150194972	2.05651274	0.941779208	0.999867943
<i>alsB</i>	-0.150540709	0.943056342	0.873172024	0.999867943
<i>cusR</i>	-0.150572118	0.884857788	0.864880116	0.999867943
<i>cydC</i>	-0.150778244	0.699880177	0.829428677	0.999867943
<i>yigP</i>	-0.15150267	1.05568697	0.885886641	0.999867943

<i>yejH</i>	-0.151505656	0.725247902	0.834524831	0.999867943
<i>erpA</i>	-0.15166175	1.020022741	0.881802454	0.999867943
<i>sibC</i>	-0.152043201	3.071260354	0.960516734	0.999867943
<i>accA</i>	-0.152076533	0.83280185	0.855105369	0.999867943
<i>gshA</i>	-0.153381825	0.717030167	0.830615173	0.999867943
<i>selU</i>	-0.155148414	0.77822872	0.841980408	0.999867943
<i>hemX</i>	-0.155314331	0.71665753	0.828426222	0.999867943
<i>yehB</i>	-0.155331853	0.825055916	0.850666355	0.999867943
<i>ddpD</i>	-0.155511143	0.856612977	0.855942252	0.999867943
<i>leuP</i>	-0.156356678	2.78781371	0.95527348	0.999867943
<i>nemA</i>	-0.156483416	0.769433878	0.838842141	0.999867943
<i>accB</i>	-0.157146448	0.993083847	0.874267003	0.999867943
<i>argI</i>	-0.157468874	1.035797747	0.879165907	0.999867943
<i>elfC</i>	-0.157527396	0.81188446	0.846154847	0.999867943
<i>araA</i>	-0.157905158	0.833869595	0.849807279	0.999867943
<i>ycbF</i>	-0.158345972	0.929999954	0.864802133	0.999867943
<i>yecH</i>	-0.158484135	2.600537383	0.951404731	0.999867943
<i>mdtN</i>	-0.158835559	0.899884866	0.859896015	0.999867943
<i>cmtA</i>	-0.159396956	0.836701451	0.848912352	0.999867943
<i>minE</i>	-0.159522047	2.663693244	0.9522452	0.999867943
<i>yjhF</i>	-0.159998558	0.959343288	0.867543743	0.999867943
<i>ebgR</i>	-0.161190529	1.111780291	0.88472338	0.999867943
<i>uup</i>	-0.161459485	0.723613413	0.823434735	0.999867943
<i>ybbN</i>	-0.16289933	0.926047106	0.86036602	0.999867943
<i>acrA</i>	-0.163084858	0.883934277	0.853622129	0.999867943
<i>yidP</i>	-0.163334518	1.122667947	0.884325728	0.999867943
<i>artI</i>	-0.163903433	0.837429922	0.844827788	0.999867943
<i>epd</i>	-0.16422234	0.849183785	0.846654757	0.999867943
<i>mlrA</i>	-0.164711981	1.017960242	0.871458701	0.999867943
<i>plsB</i>	-0.164738952	0.711909737	0.817000749	0.999867943
<i>eutK</i>	-0.165089684	1.427816932	0.907950664	0.999867943
<i>alx</i>	-0.165156397	0.838309063	0.843818658	0.999867943
<i>nagA</i>	-0.165278025	0.688880966	0.810390358	0.999867943
<i>ldrD</i>	-0.165735677	3.632757728	0.963611094	0.999867943
<i>ssuA</i>	-0.166404418	0.787652745	0.83267954	0.999867943
<i>nanC</i>	-0.166580208	1.848974142	0.928213062	0.999867943
<i>galR</i>	-0.167732167	0.732698914	0.818928197	0.999867943
<i>yahD</i>	-0.167791561	0.918269121	0.855013084	0.999867943
<i>dsdX</i>	-0.167810404	0.935002908	0.85756411	0.999867943
<i>eamB</i>	-0.168048881	0.901526929	0.852127386	0.999867943
<i>yebV</i>	-0.168333856	2.563903382	0.947652258	0.999867943
<i>thrW</i>	-0.168424421	2.694147234	0.950152774	0.999867943
<i>gudP</i>	-0.169111047	0.704897377	0.810400999	0.999867943
<i>nikE</i>	-0.169552739	1.049947138	0.871709905	0.999867943
<i>asnB</i>	-0.169675423	0.787500798	0.829408199	0.999867943
<i>torZ</i>	-0.169684601	0.71781482	0.81312967	0.999867943
<i>yahI</i>	-0.170395267	1.075166272	0.874076442	0.999867943
<i>ypeC</i>	-0.170427317	1.173785629	0.884557242	0.999867943
<i>phnF</i>	-0.171210044	1.511162813	0.909795184	0.999867943

<i>mutS</i>	-0.171317995	0.678110279	0.800546174	0.999867943
<i>ligA</i>	-0.171841852	0.72077578	0.811561285	0.999867943
<i>ddpA</i>	-0.172318425	0.768106396	0.822491299	0.999867943
<i>rcaA</i>	-0.172583905	1.9730349	0.930296906	0.999867943
<i>yebY</i>	-0.172633562	1.928987223	0.928689	0.999867943
<i>djlB</i>	-0.173267898	0.933471523	0.852745361	0.999867943
<i>ybaA</i>	-0.17367989	2.497629595	0.944561474	0.999867943
<i>yeiG</i>	-0.174008728	0.848428226	0.837497589	0.999867943
<i>citC</i>	-0.174119709	0.826985895	0.833240481	0.999867943
<i>gspD</i>	-0.174218003	0.830980689	0.833938127	0.999867943
<i>ydiK</i>	-0.174474005	0.762841192	0.819089639	0.999867943
<i>ybhL</i>	-0.174718297	1.004529627	0.861920116	0.999867943
<i>yeaR</i>	-0.175159087	2.474023897	0.943557513	0.999867943
<i>torT</i>	-0.176034857	0.747080819	0.81371958	0.999867943
<i>ttdT</i>	-0.176658364	0.77725196	0.820201484	0.999867943
<i>ygbE</i>	-0.17767746	2.338464707	0.9394347	0.999867943
<i>ghrB</i>	-0.177888558	0.770097676	0.817318842	0.999867943
<i>rutC</i>	-0.178503052	1.129928494	0.874474686	0.999867943
<i>mokB</i>	-0.178777415	2.623328475	0.945666963	0.999867943
<i>ruvB</i>	-0.179007031	0.811324345	0.825376182	0.999867943
<i>ygiZ</i>	-0.179225415	1.996259497	0.928461549	0.999867943
<i>mscL</i>	-0.179831352	1.20815399	0.881673544	0.999867943
<i>ydcX</i>	-0.180433135	2.595831501	0.944584627	0.999867943
<i>ydbH</i>	-0.180558456	0.678488706	0.79014788	0.999867943
<i>yfbP</i>	-0.18164968	1.044538511	0.861940717	0.999867943
<i>yidK</i>	-0.182118093	0.701634024	0.795201033	0.999867943
<i>mocA</i>	-0.182345538	1.97397113	0.92640012	0.999867943
<i>yhcH</i>	-0.182576475	2.387063752	0.939032613	0.999867943
<i>purB</i>	-0.183023969	0.671185973	0.785093509	0.999867943
<i>ycaM</i>	-0.184394912	0.881575093	0.834319206	0.999867943
<i>potG</i>	-0.184731932	0.864943566	0.830877045	0.999867943
<i>atpE</i>	-0.185479468	1.430022146	0.896800687	0.999867943
<i>recT</i>	-0.186103874	1.09054665	0.864497474	0.999867943
<i>yebT</i>	-0.186504915	0.634171625	0.768687467	0.999867943
<i>tatC</i>	-0.186626589	1.072575667	0.861866617	0.999867943
<i>yhcO</i>	-0.186760231	0.701583921	0.79008673	0.999867943
<i>metY</i>	-0.187511454	2.681438398	0.94424983	0.999867943
<i>ddpB</i>	-0.187771366	0.876335111	0.830337364	0.999867943
<i>mgsA</i>	-0.188149555	1.10188399	0.864418302	0.999867943
<i>mngA</i>	-0.188302221	0.796177257	0.813038568	0.999867943
<i>ulaR</i>	-0.188463129	0.979301292	0.847392453	0.999867943
<i>hyfE</i>	-0.188922866	0.945205803	0.841578462	0.999867943
<i>ydiO</i>	-0.189853578	0.827747483	0.818587794	0.999867943
<i>yihV</i>	-0.190362414	0.844146505	0.821583528	0.999867943
<i>sucB</i>	-0.191078494	1.161557089	0.869335952	0.999867943
<i>rseA</i>	-0.191586718	1.306618588	0.883425744	0.999867943
<i>aaeX</i>	-0.191742493	2.428018529	0.937055872	0.999867943
<i>hybC</i>	-0.191920678	0.890620622	0.829384572	0.999867943
<i>talB</i>	-0.19251383	1.026180328	0.851188392	0.999867943

<i>glnA</i>	-0.192592727	0.950919283	0.839499905	0.999867943
<i>ralR</i>	-0.192637356	2.71942353	0.94352703	0.999867943
<i>yecF</i>	-0.192967074	2.635937264	0.941641996	0.999867943
<i>rhaT</i>	-0.193110661	0.896217666	0.829398602	0.999867943
<i>yaeH</i>	-0.193759835	1.21743542	0.873547468	0.999867943
<i>aroD</i>	-0.193948624	0.859510546	0.821473586	0.999867943
<i>ptsA</i>	-0.194459788	0.73689643	0.791864484	0.999867943
<i>hemA</i>	-0.194643748	0.884748435	0.825871954	0.999867943
<i>yqiA</i>	-0.194906341	0.903805453	0.829259978	0.999867943
<i>ftsH</i>	-0.195239781	0.973288974	0.841012955	0.999867943
<i>yeeX</i>	-0.19556502	1.379136731	0.887236019	0.999867943
<i>tauD</i>	-0.195892596	0.869085313	0.821667425	0.999867943
<i>ybaB</i>	-0.195953094	1.0664894	0.854220126	0.999867943
<i>bcsA</i>	-0.196175878	0.617687115	0.750790277	0.999867943
<i>rhsA</i>	-0.196451247	0.916104267	0.830202379	0.999867943
<i>yehP</i>	-0.197092356	0.799357238	0.805246019	0.999867943
<i>tauA</i>	-0.197358306	0.765291712	0.7964946	0.999867943
<i>flhB</i>	-0.198219031	0.869223764	0.819614032	0.999867943
<i>relB</i>	-0.198360726	2.854964575	0.944608169	0.999867943
<i>ynjE</i>	-0.198537425	0.776868585	0.798289724	0.999867943
<i>yahK</i>	-0.198619469	0.603680792	0.74214506	0.999867943
<i>yjaG</i>	-0.199056719	1.165097583	0.86434185	0.999867943
<i>apbE</i>	-0.199316024	0.828953261	0.809986832	0.999867943
<i>parC</i>	-0.199376366	0.664291286	0.764074986	0.999867943
<i>hemN</i>	-0.199682648	0.903594613	0.825102568	0.999867943
<i>yibN</i>	-0.20000303	1.264874743	0.874361596	0.999867943
<i>amn</i>	-0.201137111	0.766297462	0.792952053	0.999867943
<i>sfsB</i>	-0.201179704	1.91149378	0.916179519	0.999867943
<i>rplC</i>	-0.201330364	1.481881622	0.89193093	0.999867943
<i>ispB</i>	-0.2019625	0.851259554	0.812461782	0.999867943
<i>yciT</i>	-0.202202216	1.104937986	0.854799038	0.999867943
<i>recE</i>	-0.202270876	0.742197968	0.785214875	0.999867943
<i>ycdI</i>	-0.202909492	0.922990552	0.8259964	0.999867943
<i>katG</i>	-0.203310052	0.586577955	0.728889114	0.999867943
<i>dnaN</i>	-0.204481687	0.800816926	0.798459454	0.999867943
<i>sbcB</i>	-0.20531919	0.716151235	0.774343502	0.999867943
<i>fdol</i>	-0.205583019	0.845342011	0.807854277	0.999867943
<i>caiC</i>	-0.205971972	0.727675882	0.777135018	0.999867943
<i>yhcB</i>	-0.206240126	1.212820946	0.864970864	0.999867943
<i>fruA</i>	-0.206588947	0.750452577	0.783096664	0.999867943
<i>narZ</i>	-0.206926614	0.806213365	0.797437526	0.999867943
<i>dacB</i>	-0.206985491	0.675241224	0.759196859	0.999867943
<i>glnU</i>	-0.207104781	2.518246744	0.934454549	0.999867943
<i>ybjD</i>	-0.207154945	0.660029166	0.753629453	0.999867943
<i>recG</i>	-0.207932426	0.805890841	0.796394852	0.999867943
<i>cbpA</i>	-0.208347856	0.772039373	0.787262669	0.999867943
<i>yehD</i>	-0.20836722	1.857991071	0.910707238	0.999867943
<i>srlD</i>	-0.208631271	0.871956857	0.810897868	0.999867943
<i>mppA</i>	-0.208729952	0.771505728	0.786738076	0.999867943

<i>allA</i>	-0.209052862	1.988262216	0.916261937	0.999867943
<i>nrdG</i>	-0.209597079	2.385795013	0.929994236	0.999867943
<i>eutR</i>	-0.209993002	0.904326428	0.816375459	0.999867943
<i>pepB</i>	-0.21024034	0.862938911	0.807515118	0.999867943
<i>ydjF</i>	-0.2103236	1.251031304	0.866488739	0.999867943
<i>yfdS</i>	-0.210434097	2.408546	0.930377602	0.999867943
<i>uspD</i>	-0.211065942	2.360594612	0.928754333	0.999867943
<i>argG</i>	-0.211073554	1.126889716	0.851420477	0.999867943
<i>ybiR</i>	-0.211211259	0.723095498	0.770215385	0.999867943
<i>yjcO</i>	-0.211350385	0.991077135	0.831129463	0.999867943
<i>yhbE</i>	-0.211487445	0.772997647	0.784396718	0.999867943
<i>rsxG</i>	-0.211643873	1.060688262	0.84184468	0.999867943
<i>gluQ</i>	-0.212655647	0.890344288	0.811224586	0.999867943
<i>trpC</i>	-0.214107997	0.785267323	0.785117514	0.999867943
<i>ynaJ</i>	-0.214205739	2.457202561	0.9305327	0.999867943
<i>norW</i>	-0.214751507	0.831331794	0.796158209	0.999867943
<i>chbR</i>	-0.21531476	0.883811798	0.807524673	0.999867943
<i>znuB</i>	-0.215593799	0.783173791	0.783099444	0.999867943
<i>ivy</i>	-0.215939727	2.398894914	0.928274234	0.999867943
<i>frc</i>	-0.216112013	1.078189858	0.841136741	0.999867943
<i>rarD</i>	-0.216441803	1.06447079	0.838874937	0.999867943
<i>fruB</i>	-0.217299717	1.015713942	0.830595477	0.999867943
<i>frlB</i>	-0.217604314	0.764319965	0.775871565	0.999867943
<i>nudF</i>	-0.21777835	0.990906241	0.826044873	0.999867943
<i>yjaA</i>	-0.217999337	2.399245686	0.927602551	0.999867943
<i>flgG</i>	-0.218418525	0.817731297	0.789389818	0.999867943
<i>fre</i>	-0.218429222	0.82081972	0.790153662	0.999867943
<i>dsbB</i>	-0.219901327	0.981144268	0.822658162	0.999867943
<i>pepE</i>	-0.220067749	0.860335929	0.798110823	0.999867943
<i>tig</i>	-0.220588562	1.056560549	0.834620095	0.999867943
<i>caiB</i>	-0.220788987	0.73931315	0.765214217	0.999867943
<i>cysE</i>	-0.221046068	0.767115226	0.773230109	0.999867943
<i>dgoD</i>	-0.221052637	0.823362107	0.788333253	0.999867943
<i>yijO</i>	-0.221161311	0.82081631	0.787590579	0.999867943
<i>ytCA</i>	-0.221320447	2.424669469	0.927271218	0.999867943
<i>yodB</i>	-0.221387194	2.30688734	0.923546046	0.999867943
<i>yqhA</i>	-0.222038908	0.951333646	0.815452743	0.999867943
<i>yadE</i>	-0.222239779	1.087040058	0.838005859	0.999867943
<i>malX</i>	-0.222265465	0.741175874	0.764266998	0.999867943
<i>cheY</i>	-0.22266647	2.472082948	0.928229673	0.999867943
<i>ylaC</i>	-0.223022884	1.253950244	0.858835873	0.999867943
<i>insA</i>	-0.2230422	2.365803997	0.924888685	0.999867943
<i>thiI</i>	-0.223215267	0.720851415	0.756823303	0.999867943
<i>creA</i>	-0.22424664	2.364838781	0.92445356	0.999867943
<i>rlmA</i>	-0.22464621	0.912420994	0.805520491	0.999867943
<i>yafK</i>	-0.226145212	0.701369596	0.747124137	0.999867943
<i>ykgH</i>	-0.227387219	1.012455569	0.822298381	0.999867943
<i>nagC</i>	-0.227740701	0.740617858	0.758462094	0.999867943
<i>glsA</i>	-0.227764546	1.038483762	0.826397568	0.999867943

<i>lhr</i>	-0.227978746	0.904685267	0.801042722	0.999867943
<i>casC</i>	-0.227994023	1.296149266	0.860371677	0.999867943
<i>yddB</i>	-0.229248499	0.922950853	0.803835405	0.999867943
<i>era</i>	-0.230012191	0.82113293	0.779388772	0.999867943
<i>ybjK</i>	-0.231024482	1.024609718	0.821609312	0.999867943
<i>argZ</i>	-0.231146033	2.457425274	0.925061297	0.999867943
<i>mdtC</i>	-0.231421023	0.984156858	0.814095042	0.999867943
<i>ydiE</i>	-0.231522377	3.193767627	0.942210428	0.999867943
<i>serB</i>	-0.231704424	0.921136754	0.801395227	0.999867943
<i>fhuD</i>	-0.232394417	0.901501248	0.796572056	0.999867943
<i>sucC</i>	-0.232511662	1.133835406	0.837520167	0.999867943
<i>wecB</i>	-0.232533702	0.805688698	0.77287615	0.999867943
<i>ypdA</i>	-0.232536226	0.756855477	0.758660752	0.999867943
<i>yaaX</i>	-0.233074484	2.05345209	0.909631201	0.999867943
<i>ydiZ</i>	-0.233278888	2.000861181	0.907185563	0.999867943
<i>plsC</i>	-0.233375054	1.237013004	0.85035919	0.999867943
<i>lsrR</i>	-0.233710439	0.846136374	0.782387584	0.999867943
<i>eptA</i>	-0.234013309	1.02615931	0.819609129	0.999867943
<i>artP</i>	-0.234145213	0.784254328	0.765277502	0.999867943
<i>proW</i>	-0.234497548	1.058644981	0.824697485	0.999867943
<i>araB</i>	-0.235233065	0.885339424	0.790471673	0.999867943
<i>intS</i>	-0.235787605	1.574224875	0.880938087	0.999867943
<i>gspO</i>	-0.235999151	0.903595088	0.793955248	0.999867943
<i>yfhR</i>	-0.236339414	1.031109771	0.818706648	0.999867943
<i>yiaM</i>	-0.236523982	2.360602223	0.920188358	0.999867943
<i>yeaY</i>	-0.236667043	0.911510989	0.795139507	0.999867943
<i>xdhB</i>	-0.237284252	0.808469736	0.769141526	0.999867943
<i>intR</i>	-0.237612961	0.834762598	0.775914332	0.999867943
<i>yefM</i>	-0.23785563	2.564735549	0.926109482	0.999867943
<i>yegD</i>	-0.237877689	0.979196	0.808058355	0.999867943
<i>cedA</i>	-0.238055332	2.481075887	0.923561532	0.999867943
<i>oppB</i>	-0.238443194	0.861578867	0.781970968	0.999867943
<i>guaD</i>	-0.238504001	1.001493186	0.811765996	0.999867943
<i>leuV</i>	-0.239232662	2.848599113	0.933070293	0.999867943
<i>hiuH</i>	-0.239453442	2.019656897	0.905622811	0.999867943
<i>ybiU</i>	-0.240179207	0.764837968	0.753501094	0.999867943
<i>serC</i>	-0.240330858	0.805048904	0.765299054	0.999867943
<i>yliF</i>	-0.240902984	1.14500769	0.833360014	0.999867943
<i>etk</i>	-0.241497933	0.727988251	0.740090665	0.999867943
<i>cusA</i>	-0.242349414	0.770881412	0.753232724	0.999867943
<i>metI</i>	-0.242754303	0.96396308	0.801172885	0.999867943
<i>hisS</i>	-0.244030084	0.866083799	0.778125496	0.999867943
<i>ykgM</i>	-0.244818481	2.365186908	0.91755889	0.999867943
<i>ykfM</i>	-0.245449494	2.273328243	0.914020102	0.999867943
<i>yqhH</i>	-0.245671882	2.6486859	0.926100295	0.999867943
<i>yicR</i>	-0.245803869	1.099928368	0.823167694	0.999867943
<i>narI</i>	-0.246820657	0.968471295	0.798834372	0.999867943
<i>oxc</i>	-0.247082985	0.813152302	0.761235933	0.999867943
<i>yghR</i>	-0.247566624	0.796811616	0.756031317	0.999867943

<i>pgaC</i>	-0.247579333	0.882354382	0.779025306	0.999867943
<i>ymdA</i>	-0.249271056	2.384054196	0.916726837	0.999867943
<i>xdhC</i>	-0.249392564	0.918086884	0.785895956	0.999867943
<i>idnR</i>	-0.249731511	1.844134627	0.892280327	0.999867943
<i>yjjQ</i>	-0.249923841	2.316158749	0.914071486	0.999867943
<i>idnT</i>	-0.250058753	0.977330288	0.798059712	0.999867943
<i>sbp</i>	-0.250241193	1.193909878	0.833981395	0.999867943
<i>modB</i>	-0.250749936	0.894995404	0.779347876	0.999867943
<i>ydhY</i>	-0.250821704	1.151083448	0.827506607	0.999867943
<i>mdtO</i>	-0.251028785	0.664714188	0.705691206	0.999867943
<i>nrdR</i>	-0.251546101	1.032917563	0.807595083	0.999867943
<i>tdk</i>	-0.251809836	2.359740674	0.915018407	0.999867943
<i>mtfA</i>	-0.252042654	0.835832079	0.762997418	0.999867943
<i>wzc</i>	-0.252616691	0.6819037	0.711041254	0.999867943
<i>ynbB</i>	-0.252932677	0.896258334	0.777782822	0.999867943
<i>ycbV</i>	-0.252951874	2.40305516	0.916167426	0.999867943
<i>yfaL</i>	-0.25371787	0.647287185	0.695079567	0.999867943
<i>ydaM</i>	-0.253788002	1.025955346	0.804623829	0.999867943
<i>patD</i>	-0.25640986	0.835426208	0.758903493	0.999867943
<i>amtB</i>	-0.257512469	0.775384699	0.739806729	0.999867943
<i>ynaI</i>	-0.257979335	0.915309484	0.778059069	0.999867943
<i>pspG</i>	-0.258452346	2.047502247	0.899551358	0.999867943
<i>yjgB</i>	-0.259780125	0.955728871	0.785765332	0.999867943
<i>ycgL</i>	-0.260118149	2.457172972	0.915692844	0.999867943
<i>fdhE</i>	-0.261611922	0.855573902	0.759777021	0.999867943
<i>yqeB</i>	-0.261798248	0.753344454	0.7282047	0.999867943
<i>osmF</i>	-0.262289448	0.929998783	0.777918948	0.999867943
<i>alaE</i>	-0.262527952	1.990233637	0.895056976	0.999867943
<i>yahA</i>	-0.262927269	0.62350052	0.673247401	0.999867943
<i>ppiC</i>	-0.262988264	2.00400881	0.895592501	0.999867943
<i>sugE</i>	-0.263657568	2.626122047	0.920028307	0.999867943
<i>ydjL</i>	-0.263724505	0.850324029	0.756450015	0.999867943
<i>argC</i>	-0.264035273	0.761068063	0.728645951	0.999867943
<i>ybhR</i>	-0.26413002	0.779614721	0.734763733	0.999867943
<i>typA</i>	-0.264482938	0.949175164	0.780517255	0.999867943
<i>yieP</i>	-0.266833926	0.996471695	0.788869643	0.999867943
<i>norV</i>	-0.267079234	0.750472591	0.721929389	0.999867943
<i>ygeW</i>	-0.267312643	0.960858259	0.780857336	0.999867943
<i>rlmI</i>	-0.267418748	0.766928185	0.727323463	0.999867943
<i>yddA</i>	-0.268344378	1.020205818	0.792527727	0.999867943
<i>uraA</i>	-0.26844444	0.761159393	0.724329591	0.999867943
<i>nirC</i>	-0.270109916	0.823482458	0.74290462	0.999867943
<i>relE</i>	-0.270383988	2.543665177	0.915346709	0.999867943
<i>sseB</i>	-0.270617213	0.788007012	0.731282664	0.999867943
<i>solA</i>	-0.270719045	0.783311021	0.729636863	0.999867943
<i>yhfT</i>	-0.270969308	0.806600244	0.736916092	0.999867943
<i>yafJ</i>	-0.271210646	0.590182709	0.645848766	0.999867943
<i>yifL</i>	-0.271391538	2.526203083	0.914447372	0.999867943
<i>tyrT</i>	-0.271494778	1.995605159	0.891784648	0.999867943

<i>ybeU</i>	-0.271570839	1.954121135	0.889471177	0.999867943
<i>elfG</i>	-0.271836012	1.07522743	0.800409459	0.999867943
<i>glfT</i>	-0.271854551	2.958095309	0.926775989	0.999867943
<i>frvX</i>	-0.272587461	0.861399611	0.751663126	0.999867943
<i>sieB</i>	-0.272947542	1.97212041	0.889921862	0.999867943
<i>ybdJ</i>	-0.27310809	2.533864437	0.914167647	0.999867943
<i>queD</i>	-0.273418984	2.33715913	0.906869762	0.999867943
<i>luxS</i>	-0.273602821	1.111960928	0.805640162	0.999867943
<i>yhdN</i>	-0.273972418	2.002123402	0.891156534	0.999867943
<i>folC</i>	-0.274880558	0.972655644	0.777477117	0.999867943
<i>yfbS</i>	-0.275178052	0.613852745	0.653950964	0.999867943
<i>pdxH</i>	-0.275558056	0.805322084	0.732222028	0.999867943
<i>ynfE</i>	-0.275674029	0.701688209	0.694413624	0.999867943
<i>ycaD</i>	-0.275916035	0.806178525	0.732161421	0.999867943
<i>yjdN</i>	-0.276810518	0.8904703	0.755907976	0.999867943
<i>nanM</i>	-0.27706116	1.940768322	0.886480919	0.999867943
<i>rsmA</i>	-0.277830578	0.864339758	0.747879424	0.999867943
<i>purU</i>	-0.277919583	0.936146754	0.766561115	0.999867943
<i>fieF</i>	-0.278247169	0.841076965	0.740778578	0.999867943
<i>truC</i>	-0.278461617	0.905267045	0.758385481	0.999867943
<i>gatC</i>	-0.278870927	0.772038557	0.717939679	0.999867943
<i>ygeV</i>	-0.279171269	0.880838976	0.751290712	0.999867943
<i>yejK</i>	-0.27998735	0.764763421	0.714283177	0.999867943
<i>cydD</i>	-0.280356622	0.649817798	0.66614933	0.999867943
<i>ytfE</i>	-0.280592907	0.947968592	0.767234751	0.999867943
<i>yaaY</i>	-0.281113046	2.507366114	0.910732321	0.999867943
<i>sulA</i>	-0.281460119	1.982743333	0.887115634	0.999867943
<i>yphC</i>	-0.281777112	0.850315681	0.740357912	0.999867943
<i>maeB</i>	-0.282172832	0.698251323	0.68612921	0.999867943
<i>cmoA</i>	-0.282385666	0.972322075	0.771491885	0.999867943
<i>ygcS</i>	-0.28282919	0.773933261	0.714780075	0.999867943
<i>dcp</i>	-0.282864391	0.727889485	0.697565423	0.999867943
<i>yadN</i>	-0.284315439	2.393014136	0.905425413	0.999867943
<i>phoP</i>	-0.28451277	0.945635336	0.763514058	0.999867943
<i>fadI</i>	-0.284621311	0.752708049	0.705334205	0.999867943
<i>ysgA</i>	-0.284879055	0.87377042	0.744398466	0.999867943
<i>grxA</i>	-0.285152418	2.597733607	0.912592028	0.999867943
<i>lysS</i>	-0.285183183	0.795720988	0.720047018	0.999867943
<i>yhhN</i>	-0.286458824	0.88987472	0.747521513	0.999867943
<i>hemB</i>	-0.286697404	0.942508473	0.760986576	0.999867943
<i>speC</i>	-0.287933378	0.730470293	0.693451589	0.999867943
<i>rsmE</i>	-0.288871499	0.838222957	0.730377284	0.999867943
<i>ydhU</i>	-0.289634191	0.981184306	0.767849989	0.999867943
<i>rpiB</i>	-0.289656983	2.35188244	0.901980689	0.999867943
<i>acnB</i>	-0.290136142	1.107276888	0.793300835	0.999867943
<i>garK</i>	-0.290140737	0.731277316	0.691545309	0.999867943
<i>ttdR</i>	-0.290717701	1.068635317	0.785586839	0.999867943
<i>lrhA</i>	-0.291041413	1.038666942	0.779318944	0.999867943
<i>ppiD</i>	-0.291479542	0.709965754	0.681399329	0.999867943

<i>helD</i>	-0.291506824	0.711513967	0.682026492	0.999867943
<i>gpsA</i>	-0.291815346	0.892488719	0.743692008	0.999867943
<i>yraH</i>	-0.293047431	1.953239078	0.880739746	0.999867943
<i>alr</i>	-0.293439409	0.720318717	0.683733022	0.999867943
<i>sohB</i>	-0.293500056	0.764924244	0.701202147	0.999867943
<i>nudK</i>	-0.29359304	1.98105725	0.88218479	0.999867943
<i>idnD</i>	-0.293937875	1.939946113	0.879566657	0.999867943
<i>dinB</i>	-0.294172478	0.943744884	0.755262731	0.999867943
<i>dapF</i>	-0.29446514	0.794333853	0.710855757	0.999867943
<i>yihT</i>	-0.295231515	0.913596858	0.746579415	0.999867943
<i>tamA</i>	-0.295816197	0.684900594	0.665805998	0.999867943
<i>ycjM</i>	-0.295971302	0.938976151	0.752604939	0.999867943
<i>yhfU</i>	-0.296019935	2.412971484	0.90236162	0.999867943
<i>srlE</i>	-0.296475938	0.835213534	0.722611896	0.999867943
<i>ymgA</i>	-0.297081728	2.585622126	0.908526302	0.999867943
<i>metR</i>	-0.297391068	0.875381082	0.734061715	0.999867943
<i>hyfC</i>	-0.298600529	0.80944564	0.712205917	0.999867943
<i>yhjG</i>	-0.299105615	0.758838446	0.693461113	0.999867943
<i>yahE</i>	-0.299411858	0.699846707	0.668778595	0.999867943
<i>rfbD</i>	-0.299584739	1.125145196	0.790036527	0.999867943
<i>ydhV</i>	-0.300347336	0.889086593	0.735502141	0.999867943
<i>yadI</i>	-0.300736159	2.393053396	0.899992774	0.999867943
<i>otsA</i>	-0.30176617	0.791353231	0.702958919	0.999867943
<i>yfcC</i>	-0.302312682	0.747524013	0.685904859	0.999867943
<i>ydeS</i>	-0.302339839	1.966637118	0.877819135	0.999867943
<i>cpxA</i>	-0.302455115	0.685434426	0.659024442	0.999867943
<i>rpsN</i>	-0.303256094	1.611549721	0.850738144	0.999867943
<i>yjgZ</i>	-0.303447582	2.062848639	0.883052115	0.999867943
<i>melA</i>	-0.304188775	1.062267986	0.774604056	0.999867943
<i>kefC</i>	-0.305626911	0.720308442	0.671346999	0.999867943
<i>ilvN</i>	-0.305711458	2.527479921	0.903726639	0.999867943
<i>hyfA</i>	-0.30727207	0.970568093	0.751554789	0.999867943
<i>gspE</i>	-0.307430028	0.766746164	0.688453908	0.999867943
<i>kdsD</i>	-0.307624971	0.817469293	0.706683626	0.999867943
<i>cyaY</i>	-0.307825389	2.454897621	0.900212942	0.999867943
<i>ebgA</i>	-0.307843433	0.68616029	0.653686662	0.999867943
<i>yoaA</i>	-0.308067797	0.82326452	0.708253524	0.999867943
<i>ykgE</i>	-0.308882095	0.665114375	0.642357981	0.999867943
<i>paoA</i>	-0.310195244	0.739490344	0.674871461	0.999867943
<i>holE</i>	-0.310328228	2.506618804	0.901470846	0.999867943
<i>yegL</i>	-0.310769774	0.894019072	0.72813326	0.999867943
<i>yedZ</i>	-0.310795552	0.94534994	0.742335256	0.999867943
<i>cysI</i>	-0.312091975	0.851508616	0.713979687	0.999867943
<i>yfcR</i>	-0.312537789	2.378030411	0.895437402	0.999867943
<i>setB</i>	-0.312587466	0.783270085	0.68983422	0.999867943
<i>fis</i>	-0.313553662	1.353478959	0.816798241	0.999867943
<i>mdtH</i>	-0.313794541	0.767035636	0.682466025	0.999867943
<i>msrB</i>	-0.314291238	1.344515022	0.815172802	0.999867943
<i>fucO</i>	-0.314696057	0.875405564	0.719231539	0.999867943

<i>csgD</i>	-0.315938227	2.369334784	0.893920781	0.999867943
<i>ycgZ</i>	-0.316410891	2.489126452	0.898847604	0.999867943
<i>serT</i>	-0.317879304	2.70571166	0.90647609	0.999867943
<i>rspA</i>	-0.317885996	1.042039998	0.760319524	0.999867943
<i>nusG</i>	-0.318086127	1.130919618	0.778508495	0.999867943
<i>tsf</i>	-0.319238532	1.12533079	0.776652426	0.999867943
<i>speG</i>	-0.319842468	1.052393114	0.761189454	0.999867943
<i>wcaI</i>	-0.32005035	1.25326289	0.798434501	0.999867943
<i>curA</i>	-0.322159848	0.88365506	0.715427577	0.999867943
<i>yfgJ</i>	-0.322886649	3.004514488	0.914418374	0.999867943
<i>xdhA</i>	-0.323186203	0.60202023	0.591380821	0.999867943
<i>lysT</i>	-0.323299931	2.507424188	0.897407443	0.999867943
<i>glgX</i>	-0.323678505	0.6201415	0.601710028	0.999867943
<i>yaaJ</i>	-0.323806979	0.666280331	0.626972766	0.999867943
<i>yfhH</i>	-0.324069322	0.820296125	0.692795788	0.999867943
<i>ydiB</i>	-0.324434671	1.147948571	0.777467182	0.999867943
<i>yggX</i>	-0.324520043	2.499531283	0.896699061	0.999867943
<i>hpt</i>	-0.32480341	1.990726839	0.870393876	0.999867943
<i>inaA</i>	-0.325249277	0.976857466	0.739168484	0.999867943
<i>narY</i>	-0.325581559	0.777998097	0.675591588	0.999867943
<i>ynbD</i>	-0.326526102	0.756670292	0.66608288	0.999867943
<i>ybaL</i>	-0.326640316	0.59964441	0.585943798	0.999867943
<i>rpmB</i>	-0.326955853	1.579307102	0.835990433	0.999867943
<i>intF</i>	-0.3278804	0.637105074	0.606803901	0.999867943
<i>elfD</i>	-0.328731713	1.773065044	0.852912896	0.999867943
<i>dnaB</i>	-0.328938735	0.664053257	0.620353131	0.999867943
<i>pyrB</i>	-0.329405714	0.950860369	0.72902025	0.999867943
<i>rayT</i>	-0.329425534	0.708261573	0.641846625	0.999867943
<i>clpS</i>	-0.330112324	2.516614844	0.895638327	0.999867943
<i>mukE</i>	-0.330463437	0.951092194	0.728248178	0.999867943
<i>yffB</i>	-0.331348695	2.412185122	0.89074266	0.999867943
<i>katE</i>	-0.331586495	0.697367044	0.634442419	0.999867943
<i>ytfT</i>	-0.331912346	1.047826332	0.751423634	0.999867943
<i>astE</i>	-0.331963016	0.86636526	0.70159557	0.999867943
<i>mgtA</i>	-0.332501362	0.664255212	0.616678941	0.999867943
<i>ybjE</i>	-0.332726451	1.215797778	0.78433882	0.999867943
<i>xylA</i>	-0.333261408	1.090046371	0.75980916	0.999867943
<i>leuA</i>	-0.333357722	0.69354365	0.630759157	0.999867943
<i>hha</i>	-0.333816798	2.05525419	0.870974198	0.999867943
<i>ybhJ</i>	-0.333841405	0.709965406	0.638196366	0.999867943
<i>truA</i>	-0.333972194	1.002154144	0.738942321	0.999867943
<i>elaA</i>	-0.334355705	1.073651344	0.755481915	0.999867943
<i>dgkA</i>	-0.334720008	2.411472876	0.889605712	0.999867943
<i>ansP</i>	-0.335026345	0.790686244	0.671773007	0.999867943
<i>yebO</i>	-0.335072971	2.431731722	0.890404874	0.999867943
<i>modE</i>	-0.335224656	0.927453963	0.71776596	0.999867943
<i>ybaT</i>	-0.335372986	0.723627439	0.643034073	0.999867943
<i>clsA</i>	-0.336041874	0.772428564	0.663529117	0.999867943
<i>hyfD</i>	-0.336225643	0.855828476	0.694418685	0.999867943

<i>ligB</i>	-0.336408165	0.914055628	0.712844116	0.999867943
<i>chiQ</i>	-0.33714143	2.589178432	0.896398906	0.999867943
<i>yhbY</i>	-0.337254674	1.250218448	0.787347516	0.999867943
<i>ycdC</i>	-0.337355094	1.571335996	0.830006554	0.999867943
<i>mhpF</i>	-0.338458581	0.960469571	0.724546809	0.999867943
<i>preT</i>	-0.339033259	0.733505284	0.643930946	0.999867943
<i>bisC</i>	-0.339282746	0.635985271	0.593704264	0.999867943
<i>ycjF</i>	-0.339402714	1.044785297	0.74529155	0.999867943
<i>gltP</i>	-0.339582549	0.752534527	0.65180809	0.999867943
<i>ylbA</i>	-0.341557543	1.837431165	0.852532107	0.999867943
<i>metG</i>	-0.341726101	0.648355983	0.598148071	0.999867943
<i>kch</i>	-0.342096286	0.930497718	0.713135189	0.999867943
<i>yjfC</i>	-0.342420768	0.94374653	0.716730919	0.999867943
<i>pinR</i>	-0.343160734	2.308149476	0.881811248	0.999867943
<i>yejB</i>	-0.343431536	0.829123131	0.678719927	0.999867943
<i>yjjP</i>	-0.343470463	1.238538525	0.781535049	0.999867943
<i>mgo</i>	-0.343515346	0.73206601	0.638897422	0.999867943
<i>macB</i>	-0.343939241	0.72757689	0.636413845	0.999867943
<i>ypjJ</i>	-0.344254354	2.661275432	0.897075246	0.999867943
<i>recJ</i>	-0.344888833	0.839939289	0.681357341	0.999867943
<i>yhbW</i>	-0.345136158	0.782795551	0.659283915	0.999867943
<i>hokD</i>	-0.345459765	3.370819471	0.918371405	0.999867943
<i>pheA</i>	-0.346438783	0.734466766	0.63714987	0.999867943
<i>secM</i>	-0.346804449	0.973830864	0.721747776	0.999867943
<i>yiaL</i>	-0.347560794	2.411950467	0.88542192	0.999867943
<i>yjhX</i>	-0.348694446	2.114155547	0.868996558	0.999867943
<i>yliE</i>	-0.349011684	1.033938523	0.735698146	0.999867943
<i>chbC</i>	-0.349726945	0.807076902	0.664778367	0.999867943
<i>ybbW</i>	-0.350192476	1.028101289	0.733389221	0.999867943
<i>yeaX</i>	-0.350265038	0.891732	0.694473244	0.999867943
<i>kbaY</i>	-0.350356038	0.995996673	0.72501506	0.999867943
<i>yfcP</i>	-0.351360768	1.083578269	0.745741425	0.999867943
<i>ynfC</i>	-0.352000635	1.117864483	0.752847696	0.999867943
<i>lyxK</i>	-0.352347556	0.773933468	0.64891606	0.999867943
<i>narH</i>	-0.352731102	0.773359845	0.648316511	0.999867943
<i>lldR</i>	-0.352760709	0.908873566	0.697920148	0.999867943
<i>ydfR</i>	-0.354542009	2.639522509	0.893149136	0.999867943
<i>insQ</i>	-0.354749889	0.864992291	0.681718558	0.999867943
<i>bcr</i>	-0.355074688	0.715069417	0.619499545	0.999867943
<i>ycaO</i>	-0.356107758	0.781077843	0.64844866	0.999867943
<i>yeeY</i>	-0.356272612	0.955398548	0.709219371	0.999867943
<i>yehW</i>	-0.356400737	1.269110086	0.778842877	0.999867943
<i>mzrA</i>	-0.35698246	1.088672351	0.742982553	0.999867943
<i>btuR</i>	-0.357124849	1.060942284	0.736410158	0.999867943
<i>tttA</i>	-0.357460355	1.011453883	0.723779283	0.999867943
<i>zwf</i>	-0.357774275	0.682804906	0.600294325	0.999867943
<i>nanK</i>	-0.359201285	1.242299185	0.772472459	0.999867943
<i>rpoA</i>	-0.359556471	1.462462355	0.805793004	0.999867943
<i>ycbJ</i>	-0.35984011	0.759315949	0.635570955	0.999867943

<i>obgE</i>	-0.360176307	0.711838242	0.612870302	0.999867943
<i>yfiR</i>	-0.360425935	2.342978201	0.877741895	0.999867943
<i>fdrA</i>	-0.360437238	0.849578582	0.671380475	0.999867943
<i>bcsG</i>	-0.360494984	0.961276431	0.707647839	0.999867943
<i>putA</i>	-0.360746247	0.824056728	0.661553959	0.999867943
<i>betA</i>	-0.360926401	0.896609821	0.687282485	0.999867943
<i>cspE</i>	-0.361096488	1.405616089	0.797259423	0.999867943
<i>alaV</i>	-0.36133805	2.460905912	0.883265167	0.999867943
<i>dicA</i>	-0.361643823	1.999876282	0.856498583	0.999867943
<i>ydhQ</i>	-0.36174741	0.888238376	0.683814187	0.999867943
<i>cbtA</i>	-0.362483981	2.569290529	0.887804138	0.999867943
<i>nsrR</i>	-0.363147655	2.408128149	0.880132854	0.999867943
<i>yiaD</i>	-0.363202533	1.164592957	0.755138717	0.999867943
<i>lolE</i>	-0.363492371	0.75973053	0.63233061	0.999867943
<i>cybB</i>	-0.365063841	1.947443438	0.851301556	0.999867943
<i>yecM</i>	-0.365358291	1.775079387	0.836926478	0.999867943
<i>ltaE</i>	-0.365394708	1.114177865	0.742949416	0.999867943
<i>mtr</i>	-0.365559476	0.658529711	0.578816257	0.999867943
<i>yqgA</i>	-0.365832732	1.260563291	0.771652759	0.999867943
<i>dapA</i>	-0.366224578	0.943480102	0.697895012	0.999867943
<i>hisP</i>	-0.366582716	1.067511924	0.731298179	0.999867943
<i>nuoB</i>	-0.367585184	1.063999739	0.729737391	0.999867943
<i>yggN</i>	-0.368053074	0.958894898	0.701104107	0.999867943
<i>mlc</i>	-0.36872261	0.853850955	0.665861439	0.999867943
<i>yjbB</i>	-0.368772454	0.693796372	0.595052687	0.999867943
<i>ybiT</i>	-0.3696226	0.668751807	0.580465293	0.999867943
<i>zntR</i>	-0.37036402	2.449232905	0.879805066	0.999867943
<i>fabR</i>	-0.370797089	0.934055762	0.691385658	0.999867943
<i>ribA</i>	-0.371574875	0.826397614	0.652975755	0.999867943
<i>bamA</i>	-0.371739748	0.870312862	0.66928212	0.999867943
<i>purM</i>	-0.372036323	0.959430681	0.698187877	0.999867943
<i>yhfY</i>	-0.372473651	2.603302327	0.886229077	0.999867943
<i>yajI</i>	-0.372926517	2.323977136	0.872511562	0.999867943
<i>atoB</i>	-0.373108942	0.893116257	0.67612203	0.999867943
<i>ppiB</i>	-0.373617814	1.150542741	0.745384066	0.999867943
<i>metJ</i>	-0.374208952	1.606916667	0.815859326	0.999867943
<i>elaD</i>	-0.374856277	1.23682637	0.761829548	0.999867943
<i>argQ</i>	-0.375412375	2.45841599	0.87863093	0.999867943
<i>yecJ</i>	-0.375551202	2.449792141	0.878162323	0.999867943
<i>ygfK</i>	-0.375569607	0.636011409	0.554850354	0.999867943
<i>yfiP</i>	-0.375959423	0.974252913	0.699574362	0.999867943
<i>ydcR</i>	-0.376593535	0.796848793	0.63649608	0.999867943
<i>glnV</i>	-0.377125543	3.018044109	0.900557644	0.999867943
<i>rpsC</i>	-0.377235346	1.395213647	0.786869314	0.999867943
<i>pdxK</i>	-0.377443277	1.062268636	0.722351294	0.999867943
<i>cirA</i>	-0.378044938	0.719519918	0.599296292	0.999867943
<i>ung</i>	-0.378198482	0.98137273	0.699958118	0.999867943
<i>hybO</i>	-0.378667551	1.071931136	0.723895518	0.999867943
<i>ydeO</i>	-0.38017464	1.837504624	0.83609011	0.999867943

<i>yjiQ</i>	-0.380397666	2.296114355	0.868416519	0.999867943
<i>yoiI</i>	-0.380406846	0.752313763	0.613102942	0.999867943
<i>mltB</i>	-0.381777025	0.704411378	0.587832141	0.999867943
<i>glf</i>	-0.382700879	1.311171517	0.770380629	0.999867943
<i>nrfF</i>	-0.383643217	2.40094924	0.873047966	0.999867943
<i>mcbA</i>	-0.384297969	2.540112847	0.879745623	0.999867943
<i>aidB</i>	-0.384711175	0.710208799	0.588033854	0.999867943
<i>rpsG</i>	-0.384771215	1.225583962	0.753559553	0.999867943
<i>yfeC</i>	-0.385187947	2.54073746	0.879498662	0.999867943
<i>ygiQ</i>	-0.38534222	0.617010705	0.532279017	0.999867943
<i>ypfN</i>	-0.385939778	2.442473092	0.874447433	0.999867943
<i>mglC</i>	-0.386140634	0.834871065	0.643711839	0.999867943
<i>yjeN</i>	-0.387341034	2.40387117	0.871989285	0.999867943
<i>dksA</i>	-0.387493376	1.208519286	0.74848714	0.999867943
<i>paaC</i>	-0.387965798	0.945121201	0.681444213	0.999867943
<i>xerC</i>	-0.388035154	0.845984047	0.646464665	0.999867943
<i>wcaH</i>	-0.389359025	1.429827866	0.78538227	0.999867943
<i>yceM</i>	-0.390076418	0.994155419	0.694785104	0.999867943
<i>valS</i>	-0.392478728	0.615773558	0.523880549	0.999867943
<i>rpsI</i>	-0.393086294	1.30846222	0.763857933	0.999867943
<i>mraZ</i>	-0.395242778	1.292045849	0.759677278	0.999867943
<i>puuD</i>	-0.395523763	1.097999263	0.718680938	0.999867943
<i>ydiJ</i>	-0.395963177	0.675480572	0.557744638	0.999867943
<i>yfiQ</i>	-0.396189184	1.028469947	0.700072992	0.999867943
<i>yegH</i>	-0.396203177	0.777351165	0.610273111	0.999867943
<i>yjaH</i>	-0.397408201	0.851854161	0.640842329	0.999867943
<i>serV</i>	-0.397723498	2.177565917	0.855075863	0.999867943
<i>ydiN</i>	-0.398032609	1.161781021	0.731895237	0.999867943
<i>insI</i>	-0.39878424	0.669393669	0.551349276	0.999867943
<i>alkB</i>	-0.398918776	0.916448625	0.663353642	0.999867943
<i>yidJ</i>	-0.399453257	1.075565502	0.710347776	0.999867943
<i>eutM</i>	-0.399517591	1.574527352	0.799697891	0.999867943
<i>uspC</i>	-0.399521428	2.440904161	0.869984922	0.999867943
<i>rnd</i>	-0.400016445	0.822715429	0.626814855	0.999867943
<i>ydcO</i>	-0.400228161	0.785468198	0.610373148	0.999867943
<i>dcm</i>	-0.400348485	0.684490585	0.55862484	0.999867943
<i>murP</i>	-0.40103845	1.020261418	0.694264672	0.999867943
<i>yfdK</i>	-0.40109762	2.399911451	0.867267624	0.999867943
<i>yibL</i>	-0.401320416	1.267758321	0.751578184	0.999867943
<i>yiaR</i>	-0.401457175	1.028148771	0.696191965	0.999867943
<i>hyaB</i>	-0.402907256	0.867706702	0.642407203	0.999867943
<i>yehM</i>	-0.40300257	0.831153225	0.627767449	0.999867943
<i>nadA</i>	-0.403316088	1.016652685	0.691581469	0.999867943
<i>yidC</i>	-0.403751997	0.915841792	0.659319108	0.999867943
<i>dacA</i>	-0.404042357	0.911878789	0.657702237	0.999867943
<i>nudE</i>	-0.405420915	1.955772914	0.835779891	0.999867943
<i>degS</i>	-0.405567221	0.858687269	0.636705004	0.999867943
<i>zraS</i>	-0.405727034	0.743781316	0.585414925	0.999867943
<i>yedR</i>	-0.405748675	1.978706483	0.837527173	0.999867943

<i>pheP</i>	-0.406157107	0.780726743	0.602903605	0.999867943
<i>frdB</i>	-0.406976421	1.261025396	0.74689631	0.999867943
<i>yfbV</i>	-0.407207282	1.038330319	0.694928852	0.999867943
<i>galU</i>	-0.407212586	2.287500871	0.858710125	0.999867943
<i>ulaB</i>	-0.407886129	2.571350525	0.873962599	0.999867943
<i>queE</i>	-0.408281176	1.095611397	0.709407875	0.999867943
<i>ydgA</i>	-0.408540038	0.70880872	0.564361346	0.999867943
<i>yacG</i>	-0.40928541	2.511534039	0.870548104	0.999867943
<i>agaC</i>	-0.409824116	0.986727151	0.677895351	0.999867943
<i>emtA</i>	-0.410163614	0.966902181	0.671417163	0.999867943
<i>uspF</i>	-0.410189195	2.370244002	0.862606001	0.999867943
<i>ybfF</i>	-0.410891697	1.951401877	0.833228821	0.999867943
<i>rhlE</i>	-0.413453454	0.731862444	0.572119144	0.999867943
<i>ydfV</i>	-0.414639628	2.096398961	0.843212029	0.999867943
<i>mdtG</i>	-0.414689593	0.776223841	0.593175704	0.999867943
<i>crcB</i>	-0.414690154	2.334562432	0.859012947	0.999867943
<i>opgG</i>	-0.415464203	0.787738071	0.597906022	0.999867943
<i>rspB</i>	-0.4155403	1.154010229	0.718784525	0.999867943
<i>ompF</i>	-0.417059301	1.015495758	0.681295999	0.999867943
<i>ygcR</i>	-0.418902047	0.99399701	0.67343973	0.999867943
<i>bioH</i>	-0.419600849	0.902527063	0.641990361	0.999867943
<i>yegE</i>	-0.419657021	0.696086755	0.546588294	0.999867943
<i>hipA</i>	-0.420763481	1.093210842	0.700320569	0.999867943
<i>hcp</i>	-0.42098794	0.762902734	0.58106903	0.999867943
<i>rpsB</i>	-0.421830575	1.282019136	0.742128403	0.999867943
<i>ybdG</i>	-0.422761069	1.250564617	0.735320869	0.999867943
<i>actP</i>	-0.423511692	0.659225605	0.520588722	0.999867943
<i>lysA</i>	-0.423553821	0.885189922	0.632302057	0.999867943
<i>yeiI</i>	-0.424091658	0.770165835	0.581873768	0.999867943
<i>proY</i>	-0.425270928	1.003689224	0.671778944	0.999867943
<i>nuoI</i>	-0.425366035	0.853006766	0.618014236	0.999867943
<i>atpD</i>	-0.425916167	1.079193872	0.693092791	0.999867943
<i>dsbG</i>	-0.426176579	1.932843684	0.825487998	0.999867943
<i>pepT</i>	-0.427853556	1.145953705	0.708880344	0.999867943
<i>rmf</i>	-0.428143594	1.303148814	0.742499297	0.999867943
<i>folE</i>	-0.428149125	0.863698086	0.620094662	0.999867943
<i>dcuB</i>	-0.428962699	1.221945744	0.725551669	0.999867943
<i>yfbO</i>	-0.429166388	2.342510022	0.85463488	0.999867943
<i>ccmC</i>	-0.429997854	0.953424279	0.6519869	0.999867943
<i>wzxB</i>	-0.430769051	1.838721803	0.814770438	0.999867943
<i>yegQ</i>	-0.431053005	0.690693858	0.532570501	0.999867943
<i>rutG</i>	-0.431667479	0.705267903	0.54049693	0.999867943
<i>metF</i>	-0.43208999	2.267175028	0.848850592	0.999867943
<i>sbmC</i>	-0.432455522	2.336793581	0.853179121	0.999867943
<i>ftsX</i>	-0.432510069	0.748151878	0.563193477	0.999867943
<i>yeeD</i>	-0.433462103	2.699566092	0.872434193	0.999867943
<i>uxaC</i>	-0.433631513	0.997121237	0.663647036	0.999867943
<i>ygeY</i>	-0.434030335	0.891411503	0.62632755	0.999867943
<i>leuT</i>	-0.434558873	2.854095264	0.87898344	0.999867943

<i>topB</i>	-0.434785242	0.848609984	0.608406146	0.999867943
<i>yqgC</i>	-0.434961886	2.45287148	0.859251049	0.999867943
<i>glnW</i>	-0.43651182	2.451778815	0.858692485	0.999867943
<i>ynfK</i>	-0.437500121	0.98474226	0.656841018	0.999867943
<i>tyrU</i>	-0.439097393	2.03065617	0.828805165	0.999867943
<i>gadC</i>	-0.43935629	1.139017781	0.699694716	0.999867943
<i>gfcC</i>	-0.439767567	0.981580966	0.654139011	0.999867943
<i>secG</i>	-0.440233971	1.171097912	0.706979645	0.999867943
<i>yqeC</i>	-0.441010885	1.357918072	0.745355244	0.999867943
<i>nuoH</i>	-0.442731553	0.967342373	0.647183625	0.999867943
<i>atoC</i>	-0.443517308	1.038408715	0.669297413	0.999867943
<i>ypeA</i>	-0.443892049	1.970268939	0.821749667	0.999867943
<i>yejE</i>	-0.445575301	0.800803298	0.577930316	0.999867943
<i>allD</i>	-0.445633581	1.031007921	0.665573534	0.999867943
<i>ddpX</i>	-0.446671349	1.07606708	0.678071486	0.999867943
<i>trxA</i>	-0.44737938	1.191715061	0.707357048	0.999867943
<i>nupC</i>	-0.44797614	1.080220542	0.678355648	0.999867943
<i>uof</i>	-0.448221083	2.767860695	0.871354889	0.999867943
<i>frr</i>	-0.449028511	1.034021617	0.664103661	0.999867943
<i>kefB</i>	-0.44939312	0.659479602	0.495595671	0.999867943
<i>yedL</i>	-0.449658316	1.992965741	0.821494882	0.999867943
<i>ygjK</i>	-0.449783116	0.686913525	0.512603898	0.999867943
<i>rtcA</i>	-0.450099075	1.14225471	0.693548257	0.999867943
<i>dcuA</i>	-0.450421073	1.114321375	0.686057489	0.999867943
<i>ynbC</i>	-0.450938294	0.855212702	0.597997748	0.999867943
<i>araH</i>	-0.451256468	1.026191646	0.660126167	0.999867943
<i>glrK</i>	-0.4513967	0.863268264	0.601048903	0.999867943
<i>rcnB</i>	-0.451750851	2.510653362	0.857204711	0.999867943
<i>yafL</i>	-0.45345407	0.614363291	0.460461077	0.999867943
<i>appA</i>	-0.454353864	0.797496297	0.568863987	0.999867943
<i>aceA</i>	-0.454415128	0.725102671	0.530861977	0.999867943
<i>argY</i>	-0.454697206	2.48327797	0.854716709	0.999867943
<i>hyfI</i>	-0.455209714	1.186135196	0.701144794	0.999867943
<i>dnaE</i>	-0.455304263	0.567727176	0.422566135	0.999867943
<i>gltS</i>	-0.455484343	0.818770504	0.578003857	0.999867943
<i>yjhG</i>	-0.455513297	0.878709689	0.604186999	0.999867943
<i>ybjL</i>	-0.455809754	0.708027577	0.519721988	0.999867943
<i>ivbL</i>	-0.456399612	3.473468777	0.895462119	0.999867943
<i>ybiO</i>	-0.456689465	0.698933698	0.513492734	0.999867943
<i>cvrA</i>	-0.45786276	0.688771124	0.506208407	0.999867943
<i>gpmA</i>	-0.457982838	0.872617812	0.599695931	0.999867943
<i>pldA</i>	-0.458793133	1.942618442	0.813298786	0.999867943
<i>ackA</i>	-0.458797699	0.896040265	0.608631418	0.999867943
<i>menF</i>	-0.459527386	0.815896717	0.573286724	0.999867943
<i>manX</i>	-0.46035138	0.864633911	0.594432739	0.999867943
<i>murI</i>	-0.460982087	1.659261615	0.78114775	0.999867943
<i>yceA</i>	-0.46209388	1.10984568	0.677147561	0.999867943
<i>gspF</i>	-0.462837212	1.055443385	0.661006506	0.999867943
<i>yhaL</i>	-0.462856199	2.783799589	0.867946215	0.999867943

<i>ompW</i>	-0.46311234	2.394322609	0.846629249	0.999867943
<i>yjgM</i>	-0.463149114	1.956817452	0.812901262	0.999867943
<i>bcp</i>	-0.463326212	2.341917371	0.843169822	0.999867943
<i>ccmF</i>	-0.463593849	0.889901802	0.60240199	0.999867943
<i>nagK</i>	-0.463627146	0.775376472	0.549881227	0.999867943
<i>ygjQ</i>	-0.463872163	1.077911245	0.666945745	0.999867943
<i>prs</i>	-0.464193971	1.176328004	0.693128739	0.999867943
<i>rplJ</i>	-0.464409038	1.509580471	0.758355422	0.999867943
<i>ompN</i>	-0.46461051	1.829556651	0.799536467	0.999867943
<i>uidR</i>	-0.465470456	2.315532306	0.840682209	0.999867943
<i>ybhG</i>	-0.465505037	0.998845069	0.641184518	0.999867943
<i>ampG</i>	-0.466113115	0.731758918	0.524140257	0.999867943
<i>aceB</i>	-0.466523162	0.750266666	0.534066945	0.999867943
<i>rssA</i>	-0.46676979	1.113170467	0.674985465	0.999867943
<i>prpE</i>	-0.467130024	1.188050382	0.694178848	0.999867943
<i>ydiL</i>	-0.467226931	2.442537982	0.848300371	0.999867943
<i>carB</i>	-0.467474117	0.652198979	0.473518434	0.999867943
<i>mleA</i>	-0.468585748	0.704037353	0.505686344	0.999867943
<i>hypF</i>	-0.468621123	0.877972811	0.59351204	0.999867943
<i>ygdH</i>	-0.470200729	0.898727445	0.600845511	0.999867943
<i>nlpE</i>	-0.473269755	1.15739583	0.682606328	0.999867943
<i>phnD</i>	-0.473666652	0.80833757	0.557891447	0.999867943
<i>ycjW</i>	-0.473936872	1.114236144	0.670583821	0.999867943
<i>ybcI</i>	-0.474214416	1.053566462	0.652635495	0.999867943
<i>csgE</i>	-0.474671151	2.391846977	0.842690018	0.999867943
<i>fur</i>	-0.475319584	1.230421911	0.699269927	0.999867943
<i>yghT</i>	-0.477074246	2.278497229	0.834150749	0.999867943
<i>ssuE</i>	-0.477426436	1.007476739	0.635583105	0.999867943
<i>hisM</i>	-0.477956746	0.940108688	0.611168759	0.999867943
<i>ybcH</i>	-0.478349125	0.95792188	0.61752487	0.999867943
<i>thiC</i>	-0.478902765	0.729802556	0.51168987	0.999867943
<i>purC</i>	-0.479194781	2.293616062	0.834506432	0.999867943
<i>tdh</i>	-0.479203145	2.248860179	0.831259009	0.999867943
<i>yeeA</i>	-0.479731602	1.137930211	0.673329693	0.999867943
<i>thiL</i>	-0.479827654	0.756316175	0.525801976	0.999867943
<i>lsrG</i>	-0.480435155	2.508790131	0.848133305	0.999867943
<i>pspB</i>	-0.480677677	2.11890957	0.820539267	0.999867943
<i>bglX</i>	-0.481444524	0.669789369	0.472264226	0.999867943
<i>yahJ</i>	-0.481551854	0.934141943	0.606202412	0.999867943
<i>ycjT</i>	-0.482491601	0.819142227	0.555847492	0.999867943
<i>phnJ</i>	-0.483714186	1.13258614	0.669315081	0.999867943
<i>wzzB</i>	-0.484212477	1.590641012	0.760812942	0.999867943
<i>ybhQ</i>	-0.484573563	0.954225899	0.611580636	0.999867943
<i>gloA</i>	-0.485172856	1.426168344	0.733710995	0.999867943
<i>hycA</i>	-0.485185021	2.38427233	0.838748965	0.999867943
<i>lnt</i>	-0.485754537	0.710499633	0.494177124	0.999867943
<i>znuA</i>	-0.485874027	0.708044635	0.49257471	0.999867943
<i>potC</i>	-0.485938882	0.912358058	0.594297616	0.999867943
<i>wcaC</i>	-0.485978509	0.903481448	0.590649269	0.999867943

<i>pyrI</i>	-0.486526665	2.375635546	0.837729536	0.999867943
<i>citG</i>	-0.486728387	0.895399913	0.58672522	0.999867943
<i>argR</i>	-0.486874863	2.375653675	0.837616241	0.999867943
<i>cdsA</i>	-0.487108407	0.957486296	0.610936803	0.999867943
<i>malQ</i>	-0.487868423	0.641247388	0.446769631	0.999867943
<i>recB</i>	-0.487933616	0.652653998	0.454692694	0.999867943
<i>rrfA</i>	-0.488538006	2.725023636	0.857719069	0.999867943
<i>yafP</i>	-0.488823629	0.846260359	0.563515339	0.999867943
<i>sapA</i>	-0.489241548	0.763763125	0.521803966	0.999867943
<i>nlpI</i>	-0.489802979	1.237025389	0.692140259	0.999867943
<i>fhuF</i>	-0.489946768	0.831860487	0.555876643	0.999867943
<i>cynT</i>	-0.490765997	1.06624156	0.645317724	0.999867943
<i>yneF</i>	-0.491018129	1.163994851	0.673142722	0.999867943
<i>ftsI</i>	-0.491164883	0.739847818	0.506771691	0.999867943
<i>rsxE</i>	-0.491715422	1.058541121	0.642273948	0.999867943
<i>yedW</i>	-0.492160819	2.291581702	0.829947387	0.999867943
<i>osmC</i>	-0.492181887	2.345758094	0.833809852	0.999867943
<i>glyY</i>	-0.493357296	2.208802626	0.823255636	0.999867943
<i>nrdH</i>	-0.493677595	2.586837251	0.848649261	0.999867943
<i>malF</i>	-0.495000479	0.784270093	0.52793544	0.999867943
<i>kbaZ</i>	-0.49519191	0.834369059	0.552851495	0.999867943
<i>glrR</i>	-0.495691484	0.851946025	0.560678247	0.999867943
<i>aroE</i>	-0.495811251	1.837966015	0.787344253	0.999867943
<i>ygfZ</i>	-0.495942003	0.816249162	0.543461731	0.999867943
<i>yneK</i>	-0.496729358	1.833409299	0.786443287	0.999867943
<i>yheO</i>	-0.497249136	1.94548333	0.798266229	0.999867943
<i>fnrS</i>	-0.498276345	2.03210784	0.806300242	0.999867943
<i>yceI</i>	-0.498371262	1.123349377	0.657297381	0.999867943
<i>rpsS</i>	-0.498583835	1.555504078	0.748567512	0.999867943
<i>manA</i>	-0.499882556	0.80902144	0.536650868	0.999867943
<i>pcnB</i>	-0.499916329	0.822040689	0.543094218	0.999867943
<i>yacC</i>	-0.500047298	2.418364388	0.83618881	0.999867943
<i>ykgL</i>	-0.500463748	1.97306315	0.799767422	0.999867943
<i>yhhW</i>	-0.50074319	1.952241194	0.797567421	0.999867943
<i>yehI</i>	-0.501264108	0.745152757	0.501138297	0.999867943
<i>rpmI</i>	-0.503385259	1.464628404	0.731075774	0.999867943
<i>ykgG</i>	-0.503640186	0.664092102	0.448218105	0.999867943
<i>ygaU</i>	-0.503798646	2.352566639	0.830431246	0.999867943
<i>ydhI</i>	-0.504895358	2.543467563	0.842648642	0.999867943
<i>fliH</i>	-0.504943051	1.216919197	0.678189075	0.999867943
<i>proQ</i>	-0.505028963	0.773563521	0.513846303	0.999867943
<i>ydfC</i>	-0.50504781	2.076917281	0.807872276	0.999867943
<i>ydcU</i>	-0.505468774	0.939059343	0.590389703	0.999867943
<i>dinG</i>	-0.506173753	0.683711008	0.459098022	0.999867943
<i>yjfN</i>	-0.506764673	1.497937026	0.735130797	0.999867943
<i>pitB</i>	-0.507025243	0.855854919	0.553569633	0.999867943
<i>glxR</i>	-0.507321579	1.826456375	0.781194474	0.999867943
<i>lysZ</i>	-0.507918699	2.617961664	0.846165672	0.999867943
<i>ykgB</i>	-0.508053931	1.026795734	0.620744466	0.999867943

<i>kdpB</i>	-0.508435439	0.884631063	0.565465177	0.999867943
<i>hycD</i>	-0.508665051	1.001599079	0.61155647	0.999867943
<i>yecA</i>	-0.508764603	0.985683956	0.605746935	0.999867943
<i>yoaD</i>	-0.50883101	0.850151641	0.549494391	0.999867943
<i>metC</i>	-0.509554248	1.761678391	0.772394948	0.999867943
<i>yfjI</i>	-0.509617512	0.991615005	0.607303179	0.999867943
<i>flhA</i>	-0.510816338	0.745203857	0.493046158	0.999867943
<i>pbpC</i>	-0.511637233	0.889168521	0.565013454	0.999867943
<i>lldD</i>	-0.515575434	0.899947103	0.566715611	0.999867943
<i>yiiX</i>	-0.515720639	1.943958429	0.790782934	0.999867943
<i>yggM</i>	-0.51601986	1.248064702	0.679272541	0.999867943
<i>aroB</i>	-0.516608059	0.771990937	0.503374744	0.999867943
<i>sad</i>	-0.516814698	0.800677406	0.518621478	0.999867943
<i>ampC</i>	-0.517265031	1.92734038	0.788404668	0.999867943
<i>yniA</i>	-0.517648086	1.056793538	0.624254932	0.999867943
<i>gstB</i>	-0.517944078	1.120128448	0.643796622	0.999867943
<i>umuD</i>	-0.517980285	2.424299933	0.830810803	0.999867943
<i>rihA</i>	-0.518218596	1.097462156	0.636786013	0.999867943
<i>yejG</i>	-0.518799867	1.272315571	0.683449612	0.999867943
<i>rem</i>	-0.518954352	2.355268256	0.825608174	0.999867943
<i>trpD</i>	-0.518972256	1.011689994	0.607968407	0.999867943
<i>lysY</i>	-0.519569063	2.584778302	0.840689915	0.999867943
<i>paaX</i>	-0.519775054	0.96424706	0.589854018	0.999867943
<i>yghB</i>	-0.519859858	0.927394369	0.575097769	0.999867943
<i>rhaD</i>	-0.519995296	0.85509559	0.543112103	0.999867943
<i>folX</i>	-0.520390296	2.484542318	0.834096051	0.999867943
<i>ada</i>	-0.521157423	1.270629687	0.681690919	0.999867943
<i>mprA</i>	-0.522246703	1.21030808	0.666105594	0.999867943
<i>feoA</i>	-0.523174204	2.483232859	0.833134875	0.999867943
<i>lysW</i>	-0.52337739	2.599857428	0.840456156	0.999867943
<i>araC</i>	-0.523524963	1.92888408	0.786073106	0.999867943
<i>pck</i>	-0.523953846	1.01679452	0.606343653	0.999867943
<i>sapD</i>	-0.52400857	0.907327911	0.563581864	0.999867943
<i>yaiP</i>	-0.5251756	1.089719621	0.629851096	0.999867943
<i>malK</i>	-0.525954425	1.166455305	0.652061792	0.999867943
<i>cysH</i>	-0.526725538	2.294623404	0.818443247	0.999867943
<i>nadE</i>	-0.527358874	1.766717933	0.765324353	0.999867943
<i>rnb</i>	-0.527419091	0.672948106	0.433190295	0.999867943
<i>yeaN</i>	-0.52750536	0.861717104	0.5404345	0.999867943
<i>bhsA</i>	-0.528084414	2.396998584	0.825629195	0.999867943
<i>csrC</i>	-0.52918597	2.494946441	0.832026571	0.999867943
<i>gatD</i>	-0.529367521	0.952544755	0.578388394	0.999867943
<i>gfcD</i>	-0.529489222	0.877472119	0.546225534	0.999867943
<i>yjjB</i>	-0.529855885	1.975832976	0.78856973	0.999867943
<i>feoC</i>	-0.529896377	2.744723619	0.846911969	0.999867943
<i>ybeT</i>	-0.529961761	1.96927843	0.787841424	0.999867943
<i>dedA</i>	-0.531544679	0.996952493	0.593916241	0.999867943
<i>fepE</i>	-0.533661165	1.213263798	0.660041522	0.999867943
<i>fumA</i>	-0.533934116	0.711097876	0.452737622	0.999867943

<i>hipB</i>	-0.534088231	2.505484514	0.831196205	0.999867943
<i>yqgE</i>	-0.534103269	1.096975668	0.626338362	0.999867943
<i>dhaM</i>	-0.534526817	1.135870324	0.637935059	0.999867943
<i>yecE</i>	-0.535013428	0.906829269	0.55520236	0.999867943
<i>yohJ</i>	-0.53592192	2.402346222	0.82347113	0.999867943
<i>paoC</i>	-0.53595693	1.102684715	0.626933629	0.999867943
<i>yeaD</i>	-0.536846835	1.064659678	0.614090861	0.999867943
<i>deoD</i>	-0.538014661	1.154809287	0.641293891	0.999867943
<i>clpA</i>	-0.538809795	0.908943114	0.553323611	0.999867943
<i>insE1</i>	-0.538881227	0.954168618	0.572233483	0.999867943
<i>murR</i>	-0.540469195	0.956962453	0.572226297	0.999867943
<i>gsiB</i>	-0.540893747	0.766498633	0.480394471	0.999867943
<i>tsaD</i>	-0.541784288	0.917498804	0.554854577	0.999867943
<i>arfB</i>	-0.542309155	1.053130797	0.606588324	0.999867943
<i>mepA</i>	-0.542395192	0.909141439	0.550773436	0.999867943
<i>hyfB</i>	-0.542778027	0.786909883	0.490345873	0.999867943
<i>iclR</i>	-0.542820354	0.9903236	0.583606609	0.999867943
<i>nadC</i>	-0.543402968	0.912107532	0.551331332	0.999867943
<i>yfaA</i>	-0.543648628	0.797432425	0.495397781	0.999867943
<i>eutN</i>	-0.543859326	1.956903047	0.781075014	0.999867943
<i>rsmC</i>	-0.544918798	0.838267811	0.515657762	0.999867943
<i>yebC</i>	-0.54524607	0.9700456	0.57405952	0.999867943
<i>manZ</i>	-0.54535558	1.019178806	0.592585459	0.999867943
<i>mngB</i>	-0.545464422	1.04181087	0.600575312	0.999867943
<i>yhdP</i>	-0.546831307	0.739279379	0.459493254	0.999867943
<i>yhgF</i>	-0.547421849	0.744464442	0.462142786	0.999867943
<i>yfgM</i>	-0.548767766	0.883992102	0.53474204	0.999867943
<i>wzxE</i>	-0.548899244	1.013109944	0.587958824	0.999867943
<i>ydjZ</i>	-0.550358774	0.976535138	0.573037839	0.999867943
<i>marA</i>	-0.550656977	2.400921069	0.81859504	0.999867943
<i>citX</i>	-0.551411677	1.507336655	0.714500493	0.999867943
<i>csgG</i>	-0.552159712	0.951948661	0.561893728	0.999867943
<i>metV</i>	-0.55321361	2.429743045	0.819891914	0.999867943
<i>hicB</i>	-0.555403293	2.418668259	0.818377847	0.999867943
<i>ydeE</i>	-0.555601011	1.043042387	0.594259632	0.999867943
<i>cobC</i>	-0.555679094	2.309410057	0.809853391	0.999867943
<i>ykgR</i>	-0.556021291	2.051390922	0.786355658	0.999867943
<i>mreD</i>	-0.55805487	2.344655041	0.811872172	0.999867943
<i>insF1</i>	-0.558088528	1.089987232	0.608641336	0.999867943
<i>yncG</i>	-0.558131249	1.968408031	0.776759483	0.999867943
<i>rplK</i>	-0.558512613	1.276095497	0.661623306	0.999867943
<i>fliT</i>	-0.558662012	2.527893437	0.825093184	0.999867943
<i>ydbJ</i>	-0.558921797	2.11142414	0.791230424	0.999867943
<i>ydjE</i>	-0.561366128	1.104969546	0.611426942	0.999867943
<i>flu</i>	-0.561595127	0.674948823	0.405377412	0.999867943
<i>trmA</i>	-0.561933251	1.92661389	0.770539831	0.999867943
<i>araJ</i>	-0.561936545	0.784441	0.473773502	0.999867943
<i>sfmH</i>	-0.562790535	1.926438098	0.770179224	0.999867943
<i>fadK</i>	-0.563891743	0.81185871	0.487325561	0.999867943

<i>uidA</i>	-0.564657842	0.894153906	0.527713905	0.999867943
<i>gmhB</i>	-0.566215616	1.986075717	0.775573151	0.999867943
<i>pssA</i>	-0.567130352	0.756702434	0.453570328	0.999867943
<i>ybiW</i>	-0.567435807	0.80553565	0.481170957	0.999867943
<i>ynjF</i>	-0.567502397	1.09625755	0.604686782	0.999867943
<i>yaiY</i>	-0.567874989	2.423975559	0.814772097	0.999867943
<i>ppdB</i>	-0.568867559	1.763021754	0.74694804	0.999867943
<i>ampH</i>	-0.570677305	0.919323773	0.534759063	0.999867943
<i>yghU</i>	-0.571122632	0.909617834	0.53008847	0.999867943
<i>yheU</i>	-0.571456473	2.930106799	0.845370065	0.999867943
<i>tolB</i>	-0.572468862	0.89231869	0.521164091	0.999867943
<i>yadL</i>	-0.572720912	1.927775089	0.766398507	0.999867943
<i>ybgP</i>	-0.573845312	1.942958177	0.767729428	0.999867943
<i>acpH</i>	-0.573987122	2.394013277	0.810516804	0.999867943
<i>fhuA</i>	-0.57423988	1.065462307	0.589915546	0.999867943
<i>ygaP</i>	-0.574649294	1.831635055	0.753721789	0.999867943
<i>gmr</i>	-0.575191499	1.112847638	0.605250712	0.999867943
<i>pheS</i>	-0.57573624	0.794750746	0.468805682	0.999867943
<i>yecC</i>	-0.575763135	0.961518721	0.549302292	0.999867943
<i>ygcP</i>	-0.578833691	1.831924705	0.752025096	0.999867943
<i>mhpC</i>	-0.581074944	0.914053561	0.524964063	0.999867943
<i>ycaR</i>	-0.581164624	2.617130293	0.824265786	0.999867943
<i>ybdM</i>	-0.582415692	1.928162664	0.762608349	0.999867943
<i>modA</i>	-0.582448117	1.19918259	0.627176849	0.999867943
<i>etp</i>	-0.584863273	2.576333625	0.820413015	0.999867943
<i>ybjX</i>	-0.586568742	0.79638486	0.461402564	0.999867943
<i>ycjS</i>	-0.586611054	0.925721572	0.526289814	0.999867943
<i>ydgH</i>	-0.586715505	0.999114854	0.557045691	0.999867943
<i>rzoR</i>	-0.587607068	2.561550823	0.818561886	0.999867943
<i>yebK</i>	-0.587770426	1.072387034	0.583626382	0.999867943
<i>ycgR</i>	-0.588001164	1.938766413	0.761671736	0.999867943
<i>ycgN</i>	-0.588446654	1.9594466	0.763938664	0.999867943
<i>yabI</i>	-0.588968762	0.790300208	0.456122488	0.999867943
<i>ydiV</i>	-0.589099782	1.938211946	0.761173743	0.999867943
<i>ybiP</i>	-0.589371316	1.063845482	0.579578254	0.999867943
<i>azoR</i>	-0.591275085	1.018890612	0.561703816	0.999867943
<i>dosP</i>	-0.59141589	1.12618229	0.599478142	0.999867943
<i>pyrG</i>	-0.592038551	1.005520296	0.556003319	0.999867943
<i>aqpZ</i>	-0.594774493	1.04182609	0.568070048	0.999867943
<i>rplE</i>	-0.595123845	1.466859025	0.684953454	0.999867943
<i>fhlA</i>	-0.595493612	0.891522769	0.504164809	0.999867943
<i>yfjZ</i>	-0.596783504	2.098593488	0.776124483	0.999867943
<i>rpoC</i>	-0.597871169	0.961620913	0.534117645	0.999867943
<i>yshB</i>	-0.5999227	3.059911637	0.844564119	0.999867943
<i>yfeH</i>	-0.600579155	1.104309713	0.586544501	0.999867943
<i>ydiT</i>	-0.60096776	2.828756428	0.831756407	0.999867943
<i>torS</i>	-0.601700549	0.726647433	0.407642074	0.999867943
<i>ispE</i>	-0.602268762	0.820527456	0.462947543	0.999867943
<i>trxC</i>	-0.602588799	2.386101233	0.800622795	0.999867943

<i>lipB</i>	-0.603270656	2.27988444	0.791313148	0.999867943
<i>nrfG</i>	-0.604134837	2.38891245	0.800352322	0.999867943
<i>yahG</i>	-0.604377936	1.225924199	0.62201414	0.999867943
<i>ompG</i>	-0.604631348	1.821820155	0.739977521	0.999867943
<i>yaaI</i>	-0.60482331	1.955805518	0.757135075	0.999867943
<i>rdoA</i>	-0.604936378	1.029506953	0.556802055	0.999867943
<i>yciH</i>	-0.607963405	2.59048015	0.814448266	0.999867943
<i>pflC</i>	-0.608743823	0.989948892	0.538604585	0.999867943
<i>crp</i>	-0.608759126	1.265642988	0.630525007	0.999867943
<i>ptrB</i>	-0.608952702	0.885068532	0.491434601	0.999867943
<i>ppk</i>	-0.609244613	0.959176784	0.525314627	0.999867943
<i>ymcE</i>	-0.612303985	2.681314779	0.81936669	0.999867943
<i>purH</i>	-0.612661718	0.726155372	0.398833657	0.999867943
<i>fepB</i>	-0.613283715	0.885565755	0.488602523	0.999867943
<i>hemL</i>	-0.615069948	0.799616606	0.441770987	0.999867943
<i>rpsH</i>	-0.615260582	1.415103716	0.663721206	0.999867943
<i>yceJ</i>	-0.615275823	2.395629146	0.797307951	0.999867943
<i>deaD</i>	-0.615722434	1.169044598	0.598409871	0.999867943
<i>gmk</i>	-0.615736684	1.097805103	0.574879495	0.999867943
<i>cycA</i>	-0.616175634	0.899342536	0.493255518	0.999867943
<i>mntH</i>	-0.616433213	1.019587937	0.545451099	0.999867943
<i>metN</i>	-0.616933526	1.018874892	0.544843709	0.999867943
<i>mmnC</i>	-0.616976766	0.727894931	0.396650807	0.999867943
<i>csdA</i>	-0.617027639	0.741237771	0.405166974	0.999867943
<i>yoaE</i>	-0.617374149	0.744107201	0.406717234	0.999867943
<i>cptB</i>	-0.617860189	2.538129131	0.807671264	0.999867943
<i>agaV</i>	-0.617915608	1.828598627	0.735425305	0.999867943
<i>yfcI</i>	-0.618456829	2.272595737	0.785516869	0.999867943
<i>eda</i>	-0.619925929	0.935544994	0.507563614	0.999867943
<i>yicC</i>	-0.621743927	1.230610811	0.613395917	0.999867943
<i>yfbK</i>	-0.622071892	1.1850564	0.599631715	0.999867943
<i>dnaJ</i>	-0.622694118	0.790052119	0.430598208	0.999867943
<i>phnM</i>	-0.623075191	1.693763183	0.71297434	0.999867943
<i>cysJ</i>	-0.623749235	0.814509176	0.443796696	0.999867943
<i>xdhD</i>	-0.624636545	0.639993783	0.329062441	0.999867943
<i>murQ</i>	-0.624874441	0.934446211	0.503679863	0.999867943
<i>marR</i>	-0.625101429	1.998324158	0.75442287	0.999867943
<i>murF</i>	-0.625707394	0.878048142	0.476086059	0.999867943
<i>ribB</i>	-0.625748207	2.296138084	0.785220656	0.999867943
<i>rplU</i>	-0.626105864	1.285290266	0.626164876	0.999867943
<i>abrB</i>	-0.626598328	0.85317178	0.462684296	0.999867943
<i>fbaA</i>	-0.627415518	1.094431452	0.566455214	0.999867943
<i>agaD</i>	-0.627425496	1.09522043	0.566728658	0.999867943
<i>ybdH</i>	-0.627816659	0.773506194	0.416992228	0.999867943
<i>ygfF</i>	-0.628323204	0.905625682	0.487807569	0.999867943
<i>speA</i>	-0.629617078	0.799776764	0.431140787	0.999867943
<i>epmB</i>	-0.63015916	1.935131311	0.744695572	0.999867943
<i>codB</i>	-0.630380596	0.679599031	0.353626906	0.999867943
<i>yehR</i>	-0.630970412	2.304092982	0.784201716	0.999867943

<i>yciB</i>	-0.631985961	2.365354937	0.78932718	0.999867943
<i>ycbC</i>	-0.633050872	0.944749865	0.502811596	0.999867943
<i>yjhP</i>	-0.633536335	1.140315087	0.578497959	0.999867943
<i>artM</i>	-0.63395947	1.067676527	0.552662713	0.999867943
<i>ybbY</i>	-0.636976085	1.110131072	0.566113588	0.999867943
<i>insF1</i>	-0.637769784	1.237651531	0.606338911	0.999867943
<i>yggD</i>	-0.63777264	1.763799549	0.717658286	0.999867943
<i>hofB</i>	-0.638326469	0.962987639	0.507419901	0.999867943
<i>ilvH</i>	-0.639526977	2.305623959	0.781490667	0.999867943
<i>opgH</i>	-0.640077806	0.640500281	0.317629822	0.999867943
<i>idnO</i>	-0.640303397	2.311819915	0.781803595	0.999867943
<i>yqcE</i>	-0.640473476	1.918528486	0.738503473	0.999867943
<i>garD</i>	-0.640965076	0.964717235	0.506429726	0.999867943
<i>treC</i>	-0.64135419	0.924908706	0.488043305	0.999867943
<i>yjdP</i>	-0.641715322	1.824102565	0.724989887	0.999867943
<i>wecG</i>	-0.642792598	1.138329489	0.572291021	0.999867943
<i>ghrA</i>	-0.643032018	1.041247075	0.536865752	0.999867943
<i>rsmI</i>	-0.644779377	0.914599355	0.480819196	0.999867943
<i>mug</i>	-0.648742206	1.951461284	0.739557651	0.999867943
<i>gcl</i>	-0.649607886	0.984630099	0.509415462	0.999867943
<i>pflB</i>	-0.649981907	0.909089699	0.474620753	0.999867943
<i>yfgH</i>	-0.650072453	2.320318031	0.779350735	0.999867943
<i>ispA</i>	-0.650103522	0.905971739	0.473018797	0.999867943
<i>rsd</i>	-0.650372127	1.974263401	0.741834319	0.999867943
<i>yjjU</i>	-0.650378355	0.861944758	0.45052047	0.999867943
<i>elaB</i>	-0.651020496	2.541593477	0.79783765	0.999867943
<i>mntP</i>	-0.651178814	1.005377213	0.517181582	0.999867943
<i>murD</i>	-0.651474664	0.784148409	0.406083621	0.999867943
<i>gltL</i>	-0.651861971	1.271731393	0.608246305	0.999867943
<i>evgA</i>	-0.652415699	1.958042217	0.738984848	0.999867943
<i>rbsD</i>	-0.65347941	1.36680517	0.632573899	0.999867943
<i>ygbM</i>	-0.653891755	1.933197091	0.73517954	0.999867943
<i>moeA</i>	-0.654431981	0.772808039	0.397093527	0.999867943
<i>cusB</i>	-0.654914623	0.875966346	0.45467241	0.999867943
<i>greA</i>	-0.654925386	2.370798049	0.78235851	0.999867943
<i>rimP</i>	-0.65512167	2.403304634	0.785166845	0.999867943
<i>cobS</i>	-0.655999717	0.986998912	0.506280286	0.999867943
<i>yafS</i>	-0.656515912	2.276234332	0.773023779	0.999867943
<i>yfdE</i>	-0.657401826	1.920387401	0.732104282	0.999867943
<i>rseC</i>	-0.657759179	0.927172297	0.478060797	0.999867943
<i>flgA</i>	-0.659322061	2.335067045	0.777669936	0.999867943
<i>yegK</i>	-0.660540085	1.068703737	0.53652527	0.999867943
<i>rutB</i>	-0.660762857	1.098990842	0.547676751	0.999867943
<i>caiD</i>	-0.660817885	0.999817381	0.5086517	0.999867943
<i>mliC</i>	-0.661927972	2.038724834	0.745425206	0.999867943
<i>modF</i>	-0.662327523	0.773532276	0.391866295	0.999867943
<i>yoaF</i>	-0.662649961	2.703015077	0.806338624	0.999867943
<i>ybiA</i>	-0.664432783	2.284613434	0.771181789	0.999867943
<i>ybeX</i>	-0.665595572	1.166095563	0.568142069	0.999867943

<i>ytfK</i>	-0.665978402	2.085775965	0.749502619	0.999867943
<i>fliS</i>	-0.667290941	2.528890059	0.791882311	0.999867943
<i>phnG</i>	-0.668739418	1.999696124	0.738062257	0.999867943
<i>tyrP</i>	-0.669264955	1.062579902	0.528793342	0.999867943
<i>focA</i>	-0.669346831	1.921802292	0.7276215	0.999867943
<i>yddE</i>	-0.670848711	0.888359344	0.450156181	0.999867943
<i>mntR</i>	-0.671752521	1.069535831	0.52995248	0.999867943
<i>atpF</i>	-0.672246335	1.115038614	0.546581448	0.999867943
<i>yjeM</i>	-0.672365624	1.76674183	0.703523738	0.999867943
<i>cbrA</i>	-0.672966289	1.92284785	0.726350586	0.999867943
<i>ypjD</i>	-0.673049228	1.004600367	0.502878742	0.999867943
<i>rhaR</i>	-0.673613774	1.745213264	0.699513026	0.999867943
<i>maeA</i>	-0.67381611	0.795452873	0.396947806	0.999867943
<i>ybdD</i>	-0.673862505	2.828747113	0.811710913	0.999867943
<i>ychN</i>	-0.675053964	1.972352846	0.732156578	0.999867943
<i>ggt</i>	-0.677846801	0.834887427	0.416847846	0.999867943
<i>dhaR</i>	-0.678214955	0.890977108	0.446535487	0.999867943
<i>ygcQ</i>	-0.678450878	0.844718679	0.42187773	0.999867943
<i>cof</i>	-0.678742458	2.306814623	0.768579379	0.999867943
<i>panC</i>	-0.679907287	1.042560619	0.514303558	0.999867943
<i>ydhL</i>	-0.68058862	2.59503036	0.793116258	0.999867943
<i>pspE</i>	-0.682134222	2.446228083	0.780358837	0.999867943
<i>nrfC</i>	-0.682257159	1.16916502	0.559528339	0.999867943
<i>yfdN</i>	-0.682456239	1.978236605	0.73010782	0.999867943
<i>yqaA</i>	-0.683073107	1.95642046	0.726980959	0.999867943
<i>kgtP</i>	-0.683566311	1.099916206	0.534289598	0.999867943
<i>ulaC</i>	-0.683895454	1.973906561	0.728991031	0.999867943
<i>ulaE</i>	-0.684353289	1.021262922	0.502790921	0.999867943
<i>tusA</i>	-0.685008187	2.450804387	0.77985852	0.999867943
<i>rof</i>	-0.685046596	1.839320705	0.709561233	0.999867943
<i>mltF</i>	-0.685488813	1.053540488	0.515270795	0.999867943
<i>ydjJ</i>	-0.68558811	1.816977885	0.705933351	0.999867943
<i>ydjI</i>	-0.686062723	1.927233107	0.721853102	0.999867943
<i>puuB</i>	-0.686603231	1.251661378	0.583311904	0.999867943
<i>yaeP</i>	-0.686628697	2.613184537	0.792739011	0.999867943
<i>ydcF</i>	-0.687179521	2.306483112	0.76575361	0.999867943
<i>yhhS</i>	-0.687318091	0.798912693	0.38961438	0.999867943
<i>mliA</i>	-0.687974112	0.965951447	0.476325879	0.999867943
<i>thiH</i>	-0.688375899	1.032977112	0.505155493	0.999867943
<i>ynbA</i>	-0.688589516	2.313639549	0.765991851	0.999867943
<i>cysN</i>	-0.69144323	0.919336815	0.451984376	0.999867943
<i>holB</i>	-0.692364877	0.857258463	0.419292041	0.999867943
<i>xseA</i>	-0.692627424	0.772028671	0.369637567	0.999867943
<i>ascG</i>	-0.693736769	1.917605405	0.717522096	0.999867943
<i>parE</i>	-0.69435002	0.997874536	0.486535938	0.999867943
<i>ypdC</i>	-0.694807392	0.918367328	0.44930868	0.999867943
<i>ydcH</i>	-0.695161012	1.266616575	0.583120041	0.999867943
<i>prpD</i>	-0.695636056	0.918418876	0.448793562	0.999867943
<i>ugpA</i>	-0.695709844	0.897065805	0.438021014	0.999867943

<i>rpsJ</i>	-0.696255511	1.600518591	0.663548856	0.999867943
<i>mdtP</i>	-0.696363052	0.87892878	0.428193877	0.999867943
<i>mgrB</i>	-0.697110191	2.657332073	0.793063476	0.999867943
<i>yfjY</i>	-0.697635268	2.50898205	0.780970058	0.999867943
<i>glyX</i>	-0.69764607	2.146005872	0.745112597	0.999867943
<i>atpI</i>	-0.697954945	2.315623862	0.763100962	0.999867943
<i>yneE</i>	-0.69806166	1.8198745	0.701292129	0.999867943
<i>pphA</i>	-0.698117047	1.930813777	0.717676209	0.999867943
<i>yiiD</i>	-0.699248889	0.911759986	0.443127829	0.999867943
<i>cysP</i>	-0.699338596	0.911137308	0.442757737	0.999867943
<i>ydjY</i>	-0.700281426	2.317615899	0.762533185	0.999867943
<i>exbD</i>	-0.700325469	2.410262736	0.771388006	0.999867943
<i>rplA</i>	-0.700794037	1.163749668	0.547050174	0.999867943
<i>agaS</i>	-0.701294202	0.820493268	0.392704693	0.999867943
<i>rlmC</i>	-0.701525809	0.790891471	0.375075446	0.999867943
<i>yphA</i>	-0.703043192	1.93779837	0.716750458	0.999867943
<i>frdA</i>	-0.703389707	0.97727277	0.471680428	0.999867943
<i>yfjD</i>	-0.703733669	0.932759937	0.450570734	0.999867943
<i>frlA</i>	-0.704510486	0.803282764	0.380465337	0.999867943
<i>appB</i>	-0.705764481	1.018772738	0.488460499	0.999867943
<i>fsr</i>	-0.706315029	1.018808885	0.488136804	0.999867943
<i>slyB</i>	-0.708255082	1.103737748	0.521075892	0.999867943
<i>yejA</i>	-0.708313957	0.898952353	0.430736071	0.999867943
<i>dgoT</i>	-0.708974774	1.182362661	0.548755865	0.999867943
<i>lysQ</i>	-0.709561444	2.647552141	0.78869424	0.999867943
<i>ybhA</i>	-0.710390177	1.829556879	0.69780486	0.999867943
<i>gntK</i>	-0.711172054	1.837688781	0.698761648	0.999867943
<i>lysV</i>	-0.71153979	2.587959732	0.783360512	0.999867943
<i>rplX</i>	-0.711964333	1.504354735	0.636021337	0.999867943
<i>yhdT</i>	-0.712954429	2.600288472	0.783944129	0.999867943
<i>yeiR</i>	-0.712978923	0.938253495	0.447314303	0.999867943
<i>purT</i>	-0.714137244	1.113176707	0.521177818	0.999867943
<i>basR</i>	-0.714172574	1.834002194	0.696975384	0.999867943
<i>yjcS</i>	-0.714324746	1.058427825	0.499744219	0.999867943
<i>ynfF</i>	-0.715060691	0.970477802	0.461236058	0.999867943
<i>ygiV</i>	-0.715380977	2.382832733	0.764007131	0.999867943
<i>ndh</i>	-0.715631559	0.735808507	0.330762816	0.999867943
<i>uvrB</i>	-0.716909066	0.841902603	0.394472537	0.999867943
<i>folA</i>	-0.717050897	2.379940354	0.763193793	0.999867943
<i>frmR</i>	-0.721012159	2.546466411	0.777067817	0.999867943
<i>yobD</i>	-0.72123826	2.381894327	0.762042073	0.999867943
<i>fdhD</i>	-0.72286741	1.926379213	0.707477014	0.999867943
<i>nudJ</i>	-0.722983748	1.126845676	0.521133185	0.999867943
<i>puuP</i>	-0.723172508	0.929913134	0.436759168	0.999867943
<i>rhtB</i>	-0.723369853	2.286984464	0.751775917	0.999867943
<i>casE</i>	-0.723558468	2.261748041	0.749035668	0.999867943
<i>fucK</i>	-0.723625705	1.747517555	0.678809805	0.999867943
<i>nadB</i>	-0.723722613	0.887948928	0.415043794	0.999867943
<i>ymbA</i>	-0.72448375	2.447727301	0.767243663	0.999867943

<i>yddM</i>	-0.724599455	2.445700412	0.767020212	0.999867943
<i>yebQ</i>	-0.725651627	0.933399651	0.436905917	0.999867943
<i>insE1</i>	-0.725987604	1.019570236	0.476432225	0.999867943
<i>fliQ</i>	-0.726377634	2.083021232	0.727304405	0.999867943
<i>udk</i>	-0.726870948	2.308438394	0.7528561	0.999867943
<i>ybaK</i>	-0.727436454	1.932931158	0.706665245	0.999867943
<i>yajL</i>	-0.72773213	1.16359094	0.531695955	0.999867943
<i>clsB</i>	-0.729082436	0.902544164	0.419201093	0.999867943
<i>livM</i>	-0.731606162	0.759862402	0.335640872	0.999867943
<i>yoaH</i>	-0.732220136	3.014216888	0.808065683	0.999867943
<i>sdiA</i>	-0.73337575	1.061270042	0.48954295	0.999867943
<i>csdL</i>	-0.733767876	0.850554423	0.38830594	0.999867943
<i>aspC</i>	-0.734031442	0.916404636	0.423137124	0.999867943
<i>uvrY</i>	-0.73421253	2.324032651	0.75206188	0.999867943
<i>rlpA</i>	-0.734424048	0.889237411	0.408858989	0.999867943
<i>rcbA</i>	-0.734994837	2.409610517	0.760346041	0.999867943
<i>norR</i>	-0.735390232	0.828412031	0.374696383	0.999867943
<i>yccM</i>	-0.736262553	2.241736101	0.742583472	0.999867943
<i>hisA</i>	-0.73832891	1.275095646	0.562563492	0.999867943
<i>dbpA</i>	-0.73888075	0.994008484	0.457279219	0.999867943
<i>csgA</i>	-0.739668834	2.360094591	0.753971895	0.999867943
<i>ygaV</i>	-0.739936636	2.735249315	0.786761079	0.999867943
<i>yehS</i>	-0.743023322	2.340074828	0.75084817	0.999867943
<i>ade</i>	-0.744000114	1.213200711	0.539708445	0.999867943
<i>fliY</i>	-0.744757482	1.203819418	0.536138965	0.999867943
<i>msrC</i>	-0.74580974	1.717456653	0.664105137	0.999867943
<i>hcaD</i>	-0.746005705	0.866086753	0.38904411	0.999867943
<i>sbmA</i>	-0.746897019	1.16594691	0.521787377	0.999867943
<i>potF</i>	-0.746942583	0.98663947	0.449015553	0.999867943
<i>ydhK</i>	-0.747294003	0.83005792	0.367965199	0.999867943
<i>ybjM</i>	-0.747848348	1.969387405	0.704140998	0.999867943
<i>rmuC</i>	-0.749575056	0.794092894	0.345200947	0.999867943
<i>yebB</i>	-0.75009678	1.035928505	0.469015634	0.999867943
<i>nadD</i>	-0.750804696	1.537788548	0.625382243	0.999867943
<i>ybfA</i>	-0.752923795	2.506706211	0.763899675	0.999867943
<i>lpxA</i>	-0.754602544	0.934339458	0.419302399	0.999867943
<i>wcaD</i>	-0.756019104	1.729684865	0.662049791	0.999867943
<i>mrdA</i>	-0.756632351	1.102478148	0.492523035	0.999867943
<i>ffs</i>	-0.757965389	1.657093349	0.647378841	0.999867943
<i>frmA</i>	-0.759297396	0.855236189	0.374636575	0.999867943
<i>ahpC</i>	-0.759874337	1.254911299	0.544833303	0.999867943
<i>waaN</i>	-0.760203754	0.995788646	0.445213683	0.999867943
<i>fxsA</i>	-0.761743992	1.920458948	0.691627899	0.999867943
<i>sodB</i>	-0.763170551	1.182183638	0.518564305	0.999867943
<i>yciW</i>	-0.76411879	1.688400388	0.65085865	0.999867943
<i>ssnA</i>	-0.765566088	0.908271895	0.399294407	0.999867943
<i>infB</i>	-0.767521044	0.91082518	0.399415493	0.999867943
<i>sgcA</i>	-0.768402038	1.157205136	0.506680451	0.999867943
<i>nudL</i>	-0.7684167	1.975097239	0.697237242	0.999867943

<i>insF1</i>	-0.769024731	2.090237755	0.712938432	0.999867943
<i>pgpC</i>	-0.76994055	1.072714511	0.472911615	0.999867943
<i>prc</i>	-0.772648163	1.114164424	0.488009826	0.999867943
<i>fpr</i>	-0.773761592	0.873186111	0.37554428	0.999867943
<i>lacY</i>	-0.774204235	0.722573578	0.283965416	0.999867943
<i>minC</i>	-0.775417912	2.280582671	0.733849988	0.999867943
<i>flgF</i>	-0.775452231	1.315096101	0.555422358	0.999867943
<i>yedA</i>	-0.776978631	1.044243062	0.456840676	0.999867943
<i>sixA</i>	-0.777055282	1.973992368	0.69384201	0.999867943
<i>priB</i>	-0.77715206	1.529625188	0.611406367	0.999867943
<i>yeiE</i>	-0.777294595	0.911199563	0.393634129	0.999867943
<i>lpd</i>	-0.777323758	0.986640142	0.430784853	0.999867943
<i>rsgA</i>	-0.77789308	0.988552198	0.431339605	0.999867943
<i>hyfJ</i>	-0.779157375	2.55200657	0.760128792	0.999867943
<i>hybG</i>	-0.779400737	2.836492745	0.783488173	0.999867943
<i>yeeS</i>	-0.780026785	2.09051666	0.709054432	0.999867943
<i>queA</i>	-0.78117967	0.801433747	0.329695351	0.999867943
<i>hofC</i>	-0.782132871	1.909638665	0.682120576	0.999867943
<i>hisF</i>	-0.782159807	1.031038285	0.448083653	0.999867943
<i>hemF</i>	-0.784248207	0.926099685	0.397090359	0.999867943
<i>sdhB</i>	-0.784569915	1.040580635	0.450865312	0.999867943
<i>uvrC</i>	-0.784649061	0.970262019	0.418688816	0.999867943
<i>zraP</i>	-0.784721717	2.379367675	0.7415491	0.999867943
<i>prmC</i>	-0.785943061	1.008729662	0.435896413	0.999867943
<i>sapC</i>	-0.786627168	1.107149627	0.47739561	0.999867943
<i>ydaU</i>	-0.786729799	1.814295115	0.664558344	0.999867943
<i>psuT</i>	-0.787737784	0.908926091	0.386123566	0.999867943
<i>abgT</i>	-0.788965962	1.814534377	0.663705039	0.999867943
<i>secD</i>	-0.788988351	0.836495061	0.345574817	0.999867943
<i>ycfZ</i>	-0.790720144	1.917526973	0.680072244	0.999867943
<i>pgl</i>	-0.791583084	0.900706107	0.379484104	0.999867943
<i>ycjD</i>	-0.793642745	2.464278012	0.747408049	0.999867943
<i>cspD</i>	-0.793817599	2.3719304	0.737872873	0.999867943
<i>eutP</i>	-0.794336027	2.412101062	0.741919185	0.999867943
<i>gltA</i>	-0.796137726	1.074878353	0.458889279	0.999867943
<i>hrpB</i>	-0.796164691	0.84001011	0.343229396	0.999867943
<i>tusE</i>	-0.796520751	1.998926282	0.690280599	0.999867943
<i>yeaC</i>	-0.796633107	2.48728818	0.748754727	0.999867943
<i>tolR</i>	-0.796707049	2.532185344	0.753040927	0.999867943
<i>nfo</i>	-0.79691823	0.853125127	0.350243818	0.999867943
<i>oppD</i>	-0.797186687	0.974600986	0.413378818	0.999867943
<i>rutR</i>	-0.798293948	1.015695236	0.431892006	0.999867943
<i>rlmG</i>	-0.79847817	0.940462235	0.395866068	0.999867943
<i>ydcP</i>	-0.798519731	1.068957618	0.455058823	0.999867943
<i>yebG</i>	-0.798883886	1.979390438	0.686506178	0.999867943
<i>yjbR</i>	-0.79908689	2.560316578	0.754960939	0.999867943
<i>smg</i>	-0.800462022	2.015904835	0.691313395	0.999867943
<i>rffG</i>	-0.800583256	0.927362645	0.387977828	0.999867943
<i>ppa</i>	-0.801106908	1.978002403	0.685471589	0.999867943

<i>ogt</i>	-0.80217895	1.700398886	0.637098621	0.999867943
<i>cca</i>	-0.802933588	0.773349463	0.299151569	0.999867943
<i>yidH</i>	-0.803921788	2.404708541	0.738144492	0.999867943
<i>cyaR</i>	-0.804081164	2.97149532	0.786700112	0.999867943
<i>selB</i>	-0.804094479	0.834690778	0.335374843	0.999867943
<i>cynR</i>	-0.804668581	0.708668976	0.256180679	0.999867943
<i>torC</i>	-0.805091525	1.916898411	0.674487667	0.999867943
<i>nhoA</i>	-0.805404029	2.285261184	0.724512712	0.999867943
<i>abgB</i>	-0.80688483	0.937847324	0.389591505	0.999867943
<i>insI1</i>	-0.808127818	0.967729047	0.403674618	0.999867943
<i>frvB</i>	-0.808250552	0.793780033	0.30856872	0.999867943
<i>ydgD</i>	-0.809822046	1.285469226	0.528706579	0.999867943
<i>rrfG</i>	-0.811398923	2.769795432	0.769563861	0.999867943
<i>coaE</i>	-0.811695279	2.361372999	0.731042806	0.999867943
<i>sra</i>	-0.811871234	2.569892678	0.752065966	0.999867943
<i>argT</i>	-0.81467048	2.284309311	0.721363162	0.999867943
<i>ybhF</i>	-0.817290939	0.708165453	0.2484608	0.999867943
<i>ydcY</i>	-0.818391725	2.748095656	0.76585336	0.999867943
<i>tmcA</i>	-0.818974951	0.7638296	0.28363206	0.999867943
<i>dinQ</i>	-0.81954783	2.913825021	0.778509565	0.999867943
<i>pgpA</i>	-0.820267936	2.321208126	0.723803769	0.999867943
<i>aroC</i>	-0.820380032	1.068695106	0.442697243	0.999867943
<i>lacA</i>	-0.820842776	0.875166971	0.348281901	0.999867943
<i>ynfA</i>	-0.823113308	1.959471472	0.674435016	0.999867943
<i>tyrR</i>	-0.823871512	0.959031065	0.390303799	0.999867943
<i>thrS</i>	-0.823888709	0.978676874	0.399877879	0.999867943
<i>tatD</i>	-0.824494609	0.868360976	0.342374649	0.999867943
<i>yceQ</i>	-0.826148178	2.400471195	0.730725332	0.999867943
<i>purP</i>	-0.828617546	1.69437653	0.624813526	0.999867943
<i>yeaV</i>	-0.828695407	1.327249589	0.532384335	0.999867943
<i>thyA</i>	-0.828728198	1.818296828	0.648554172	0.999867943
<i>aes</i>	-0.832884058	1.802336852	0.643999983	0.999867943
<i>yfgD</i>	-0.833601922	2.451616952	0.733840506	0.999867943
<i>cysD</i>	-0.834168476	1.738529372	0.63136058	0.999867943
<i>yeiW</i>	-0.834786502	2.717141244	0.758668537	0.999867943
<i>tusC</i>	-0.83502021	2.477059223	0.736040438	0.999867943
<i>stfQ</i>	-0.835112043	2.294289493	0.715861047	0.999867943
<i>purN</i>	-0.835210691	1.270442675	0.510912784	0.999867943
<i>paaB</i>	-0.835292787	2.532498248	0.741528749	0.999867943
<i>rpsP</i>	-0.838118814	1.519594801	0.581262879	0.999867943
<i>gfcA</i>	-0.83908476	2.720723708	0.757774188	0.999867943
<i>ybjS</i>	-0.839151574	0.826538627	0.309981926	0.999867943
<i>sbcC</i>	-0.839458596	0.709826844	0.23695801	0.999867943
<i>ypeB</i>	-0.840843416	2.341448561	0.71951094	0.999867943
<i>fdx</i>	-0.842286146	2.504518576	0.736639668	0.999867943
<i>glfW</i>	-0.842392106	2.511862548	0.73734937	0.999867943
<i>fabZ</i>	-0.843060436	1.941547731	0.6641281	0.999867943
<i>cysM</i>	-0.846051586	0.821056888	0.302802518	0.999867943
<i>leuC</i>	-0.847807478	0.805109267	0.292325383	0.999867943

<i>ybaP</i>	-0.848079569	1.733458694	0.62467088	0.999867943
<i>chbG</i>	-0.84901283	2.301210301	0.712171054	0.999867943
<i>mhpT</i>	-0.849111497	0.918852795	0.355434463	0.999867943
<i>ydiI</i>	-0.84942431	2.645322028	0.748131343	0.999867943
<i>trxB</i>	-0.850344484	1.284287591	0.507898319	0.999867943
<i>bioD</i>	-0.855102116	2.360909016	0.717208634	0.999867943
<i>mdtA</i>	-0.857104477	0.964794453	0.374336168	0.999867943
<i>yciC</i>	-0.858025286	1.915611878	0.654216806	0.999867943
<i>pspC</i>	-0.858165384	2.461759483	0.727390839	0.999867943
<i>pspF</i>	-0.862006588	0.825229659	0.296223744	0.999867943
<i>phoE</i>	-0.863027642	1.065587546	0.417993181	0.999867943
<i>tfaQ</i>	-0.863877078	1.146934296	0.451326509	0.999867943
<i>ycfL</i>	-0.863991975	2.001188353	0.665930786	0.999867943
<i>yedK</i>	-0.864132437	2.316669467	0.709143713	0.999867943
<i>iscX</i>	-0.865435669	2.728799219	0.751130622	0.999867943
<i>acuI</i>	-0.866017053	1.173712281	0.460608999	0.999867943
<i>ynfM</i>	-0.867958665	0.737037816	0.2389437	0.999867943
<i>hyaA</i>	-0.868414935	0.873150751	0.319942439	0.999867943
<i>rsuA</i>	-0.869206346	1.769016647	0.623178915	0.999867943
<i>ygcO</i>	-0.870059442	3.056025772	0.775871758	0.999867943
<i>yceB</i>	-0.871285288	1.824899193	0.633046723	0.999867943
<i>flkB</i>	-0.873100183	1.916097758	0.648630332	0.999867943
<i>rbsK</i>	-0.87909194	1.009674634	0.38393516	0.999867943
<i>alaA</i>	-0.880196986	1.902598282	0.643630376	0.999867943
<i>rpmE</i>	-0.880502917	1.561929249	0.572939405	0.999867943
<i>tdcF</i>	-0.880926011	2.575009532	0.732271181	0.999867943
<i>oppC</i>	-0.881728019	2.251003741	0.695276655	0.999867943
<i>yhbV</i>	-0.884120763	1.074930302	0.410797367	0.999867943
<i>asr</i>	-0.884525314	2.394118946	0.711786711	0.999867943
<i>rpsE</i>	-0.886871993	1.248599893	0.477522346	0.999867943
<i>lrp</i>	-0.887781695	2.334331543	0.703711477	0.999867943
<i>citE</i>	-0.888176012	1.057384171	0.40092254	0.999867943
<i>livJ</i>	-0.888530217	1.687087311	0.598426089	0.999867943
<i>ygdQ</i>	-0.891525683	1.912090819	0.641031571	0.999867943
<i>tfaR</i>	-0.891671639	1.175535274	0.448137391	0.999867943
<i>yeaP</i>	-0.892177812	2.230775932	0.689200285	0.999867943
<i>ygiN</i>	-0.892738981	2.45812612	0.716471418	0.999867943
<i>rplD</i>	-0.893428644	1.360651767	0.511426477	0.999867943
<i>bsmA</i>	-0.893888684	1.382793603	0.517996509	0.999867943
<i>accC</i>	-0.895248357	0.871431777	0.304264912	0.999867943
<i>chpB</i>	-0.896398085	2.415430078	0.710553189	0.999867943
<i>ldrA</i>	-0.896625952	3.721426249	0.809604637	0.999867943
<i>ybiS</i>	-0.896933934	2.301506416	0.696746545	0.999867943
<i>treR</i>	-0.896979956	1.90783497	0.638243606	0.999867943
<i>leuB</i>	-0.897305918	0.889921311	0.313311402	0.999867943
<i>nth</i>	-0.898710645	2.308728273	0.697078992	0.999867943
<i>nlpC</i>	-0.899453279	2.378097545	0.705264288	0.999867943
<i>lplA</i>	-0.899880983	0.930721989	0.333612348	0.999867943
<i>cutC</i>	-0.90023777	0.780219415	0.248571342	0.999867943

<i>rnhA</i>	-0.900600457	1.919840779	0.638996987	0.999867943
<i>tesA</i>	-0.900704584	1.078935947	0.403825704	0.999867943
<i>murJ</i>	-0.900729714	0.824929092	0.274882579	0.999867943
<i>lepA</i>	-0.901334365	0.888627185	0.310439726	0.999867943
<i>ybiX</i>	-0.902077644	2.353201696	0.701467273	0.999867943
<i>gsiD</i>	-0.902113834	1.017521211	0.37530513	0.999867943
<i>ldrC</i>	-0.90288174	3.368246088	0.78865549	0.999867943
<i>yqjE</i>	-0.903714242	2.422000051	0.709053731	0.999867943
<i>flgN</i>	-0.905195436	2.399934881	0.706043558	0.999867943
<i>ykfA</i>	-0.910415771	0.738570188	0.217697667	0.999867943
<i>lpxK</i>	-0.912102872	0.892662275	0.306885879	0.999867943
<i>ygbK</i>	-0.912772015	1.918098867	0.634164653	0.999867943
<i>rph</i>	-0.913390935	1.932497701	0.636464419	0.999867943
<i>relA</i>	-0.914089378	1.035321709	0.377288299	0.999867943
<i>qseB</i>	-0.914112127	1.937610894	0.637088964	0.999867943
<i>narP</i>	-0.915161395	2.440066982	0.707618931	0.999867943
<i>narV</i>	-0.916710077	2.379578417	0.700059209	0.999867943
<i>araF</i>	-0.919034527	2.229586462	0.68019317	0.999867943
<i>selD</i>	-0.921454862	0.79081249	0.24393797	0.999867943
<i>yajC</i>	-0.921801771	2.343058806	0.694010695	0.999867943
<i>wcaA</i>	-0.923445289	1.916897523	0.629990999	0.999867943
<i>mdfA</i>	-0.92447283	1.680202636	0.582171861	0.999867943
<i>yeaE</i>	-0.925644981	1.912971885	0.628472465	0.999867943
<i>ascF</i>	-0.92677896	0.870532789	0.287051908	0.999867943
<i>eutB</i>	-0.927602905	0.730262117	0.204001711	0.999867943
<i>bglA</i>	-0.927853051	1.73129094	0.592006013	0.999867943
<i>acpP</i>	-0.930565735	1.483808163	0.530562926	0.999867943
<i>cspC</i>	-0.930973207	2.597080791	0.71999229	0.999867943
<i>purF</i>	-0.931177764	0.978458621	0.341260196	0.999867943
<i>tilS</i>	-0.931384255	1.046614398	0.373518505	0.999867943
<i>ssrA</i>	-0.937104999	1.543834851	0.543852097	0.999867943
<i>atoA</i>	-0.938445852	1.082325969	0.38590696	0.999867943
<i>ftsB</i>	-0.938870585	2.403404668	0.696061944	0.999867943
<i>ybhH</i>	-0.938949717	1.913733305	0.623682713	0.999867943
<i>znuC</i>	-0.939020317	2.25244821	0.676759783	0.999867943
<i>ypdF</i>	-0.940053032	0.998050741	0.346249463	0.999867943
<i>smrB</i>	-0.940326356	2.31105523	0.68409479	0.999867943
<i>ygiC</i>	-0.940794713	1.743355637	0.589441259	0.999867943
<i>pabA</i>	-0.941899513	1.93351832	0.626157143	0.999867943
<i>lpxP</i>	-0.943389403	2.217662809	0.670546538	0.999867943
<i>yciY</i>	-0.943417873	2.833387917	0.739161005	0.999867943
<i>csrA</i>	-0.946503787	2.482995468	0.703059058	0.999867943
<i>gltU</i>	-0.947818424	2.896327726	0.743480066	0.999867943
<i>ftsE</i>	-0.94816972	0.892700538	0.288173775	0.999867943
<i>prfB</i>	-0.949674199	1.079779638	0.379126214	0.999867943
<i>tsaA</i>	-0.952158783	1.954882931	0.626210917	0.999867943
<i>insA</i>	-0.954394391	1.226165177	0.436358513	0.999867943
<i>ybjH</i>	-0.955321157	2.708242505	0.724279023	0.999867943
<i>yhbU</i>	-0.956741884	1.065090644	0.369040165	0.999867943

<i>fliZ</i>	-0.958566274	1.930728432	0.619556444	0.999867943
<i>tqsA</i>	-0.9593829	1.730374178	0.579280035	0.999867943
<i>yobF</i>	-0.960849497	2.699653712	0.721903599	0.999867943
<i>insBI</i>	-0.960895873	1.166169586	0.409953135	0.999867943
<i>rbn</i>	-0.960932485	1.793722491	0.592152283	0.999867943
<i>yhjD</i>	-0.961164814	1.802174929	0.593800994	0.999867943
<i>gutM</i>	-0.963110929	2.064410033	0.640835584	0.999867943
<i>kdpC</i>	-0.963367308	1.10962041	0.385287386	0.999867943
<i>plsX</i>	-0.964434744	1.154860008	0.40365597	0.999867943
<i>ybaN</i>	-0.967316204	2.375307449	0.683832963	0.999867943
<i>insEI</i>	-0.967346799	1.031197291	0.348202679	0.999867943
<i>torR</i>	-0.967381258	1.798229416	0.590602452	0.999867943
<i>rnk</i>	-0.968305396	1.491873124	0.51630383	0.999867943
<i>yciO</i>	-0.96938706	2.305420922	0.674133674	0.999867943
<i>ytjF</i>	-0.969992484	1.109508505	0.381979829	0.999867943
<i>ynfH</i>	-0.972291864	1.907778004	0.610299331	0.999867943
<i>nikB</i>	-0.972859833	1.016506109	0.338535732	0.999867943
<i>hisH</i>	-0.973284199	1.102580131	0.377380385	0.999867943
<i>rbsA</i>	-0.97378718	0.954000073	0.307377069	0.999867943
<i>yobA</i>	-0.975001611	0.914847025	0.286534991	0.999867943
<i>yjjJ</i>	-0.975241224	1.89873707	0.607513315	0.999867943
<i>mdlA</i>	-0.977525107	1.149425369	0.395076735	0.999867943
<i>acrD</i>	-0.982746425	1.001216558	0.326320452	0.999867943
<i>purR</i>	-0.982903944	1.147314051	0.391610705	0.999867943
<i>metW</i>	-0.982949991	2.465094693	0.69007937	0.999867943
<i>icd</i>	-0.983424246	1.088668443	0.366352055	0.999867943
<i>waaM</i>	-0.983454868	0.988200248	0.319639995	0.999867943
<i>tpiA</i>	-0.984204022	2.311089647	0.670208796	0.999867943
<i>ves</i>	-0.985103804	2.305476758	0.669169177	0.999867943
<i>sgcE</i>	-0.985711988	1.133126685	0.384352603	0.999867943
<i>nagE</i>	-0.985889762	1.065146251	0.354658583	0.999867943
<i>rhtC</i>	-0.988495089	1.901312194	0.60313222	0.999867943
<i>mnmE</i>	-0.989004135	0.835477747	0.236508556	0.999867943
<i>ftsL</i>	-0.989020911	2.402680432	0.680608941	0.999867943
<i>ytjB</i>	-0.98956747	1.95559451	0.612843494	0.999867943
<i>ydfG</i>	-0.99076369	2.31161042	0.668211995	0.999867943
<i>lacZ</i>	-0.992064432	0.978794559	0.310794012	0.999867943
<i>ybaY</i>	-0.992195834	2.363558296	0.674639583	0.999867943
<i>trpE</i>	-0.992393794	1.107530838	0.370230502	0.999867943
<i>ydaN</i>	-0.992985427	1.904459922	0.602088143	0.999867943
<i>insA</i>	-0.993833058	2.36498079	0.674318312	0.999867943
<i>cdaR</i>	-0.995879267	1.788933791	0.577740123	0.999867943
<i>glvV</i>	-0.997284483	4.382391552	0.819983447	0.999867943
<i>entS</i>	-0.997663466	1.096659669	0.362965272	0.999867943
<i>rplN</i>	-0.998012545	1.525642032	0.51300934	0.999867943
<i>citD</i>	-1.000464264	3.063120222	0.743958294	0.999867943
<i>fryB</i>	-1.000476065	2.442892302	0.682139228	0.999867943
<i>yeaK</i>	-1.001674283	1.262904117	0.427689566	0.999867943
<i>yebF</i>	-1.002746172	1.940795095	0.605388135	0.999867943

<i>araG</i>	-1.003132536	1.032703372	0.33136625	0.999867943
<i>tus</i>	-1.004190619	2.285856022	0.660439715	0.999867943
<i>yebS</i>	-1.004581747	1.897151551	0.596444022	0.999867943
<i>yqiB</i>	-1.005065613	2.315078141	0.664187536	0.999867943
<i>insH1</i>	-1.006327449	0.906589993	0.266993058	0.999867943
<i>rpoZ</i>	-1.010359414	2.431331649	0.677733436	0.999867943
<i>trmD</i>	-1.010937851	1.243493009	0.416228186	0.999867943
<i>rsmF</i>	-1.011008367	2.212387754	0.647688212	0.999867943
<i>trmL</i>	-1.014430775	1.820734452	0.577421731	0.999867943
<i>yfaT</i>	-1.016237978	2.328609396	0.662536309	0.999867943
<i>yfeZ</i>	-1.016664912	1.049470327	0.332674441	0.999867943
<i>yecS</i>	-1.01710074	2.437433216	0.676471033	0.999867943
<i>mhpB</i>	-1.018937121	0.966727115	0.291879724	0.999867943
<i>pitA</i>	-1.019567618	1.190981478	0.391957155	0.999867943
<i>yggU</i>	-1.020667655	2.345047091	0.663385334	0.999867943
<i>ygcN</i>	-1.026778889	1.035352452	0.32133453	0.999867943
<i>edd</i>	-1.026786021	1.101366905	0.351190113	0.999867943
<i>bioB</i>	-1.028435878	0.925948836	0.266704708	0.999867943
<i>yphE</i>	-1.031543911	0.87905117	0.240605678	0.999867943
<i>ydhO</i>	-1.033405418	0.980646891	0.291974622	0.999867943
<i>aat</i>	-1.03460159	1.795280452	0.5644194	0.999867943
<i>yehH</i>	-1.034620616	2.243575044	0.644692275	0.999867943
<i>pncA</i>	-1.038111226	1.534972913	0.498846452	0.999867943
<i>pspD</i>	-1.038526441	2.236743182	0.642430716	0.999867943
<i>ygiD</i>	-1.038752626	1.718028029	0.545432088	0.999867943
<i>pcm</i>	-1.039561271	2.358554345	0.659385263	0.999867943
<i>rseB</i>	-1.043385413	1.079366202	0.333711583	0.999867943
<i>pyrE</i>	-1.04341069	1.911441787	0.585150999	0.999867943
<i>hypB</i>	-1.044254478	0.92837708	0.260666518	0.999867943
<i>lsrB</i>	-1.045185613	1.911945168	0.58461174	0.999867943
<i>mhpD</i>	-1.045841998	0.827780455	0.206434976	0.999867943
<i>pgk</i>	-1.046187679	1.023259123	0.306588129	0.999867943
<i>smpB</i>	-1.046222712	2.315442552	0.65138016	0.999867943
<i>yjfP</i>	-1.047177265	2.314948318	0.651013627	0.999867943
<i>ychQ</i>	-1.047750311	2.474929663	0.672043209	0.999867943
<i>yfeW</i>	-1.04885514	2.227238941	0.637696654	0.999867943
<i>yhbJ</i>	-1.049444332	2.260209244	0.642423576	0.999867943
<i>mdtI</i>	-1.052317322	2.010861561	0.600753921	0.999867943
<i>rluD</i>	-1.052826403	1.910264977	0.581536643	0.999867943
<i>rbsB</i>	-1.053958905	1.267651106	0.405732652	0.999867943
<i>narX</i>	-1.055947842	0.863855175	0.221568967	0.999867943
<i>bssR</i>	-1.059135328	2.448072964	0.665276016	0.999867943
<i>flgC</i>	-1.059768341	2.517272616	0.673756077	0.999867943
<i>flgB</i>	-1.060173399	2.587170988	0.681966638	0.999867943
<i>yfiC</i>	-1.060566294	1.784938693	0.552394942	0.999867943
<i>yggT</i>	-1.062696722	2.307371661	0.645110076	0.999867943
<i>malZ</i>	-1.06474508	1.006716169	0.290218787	0.999867943
<i>cysC</i>	-1.066485438	2.396650773	0.656327038	0.999867943
<i>ribC</i>	-1.067208728	2.28495899	0.640458272	0.999867943

<i>yohD</i>	-1.06766826	0.970848922	0.271451317	0.999867943
<i>ldcA</i>	-1.069108341	2.263206021	0.636650822	0.999867943
<i>mnaT</i>	-1.071339806	1.945050104	0.581768596	0.999867943
<i>ptsH</i>	-1.075140032	2.367300615	0.649711608	0.999867943
<i>lsrC</i>	-1.075747302	1.037326424	0.299717976	0.999867943
<i>ycbX</i>	-1.077676793	1.729352871	0.533174347	0.999867943
<i>kdsB</i>	-1.077795567	1.28431739	0.401358654	0.999867943
<i>ygfS</i>	-1.07840456	2.449900397	0.659804556	0.999867943
<i>entH</i>	-1.081282239	2.426139936	0.655828356	0.999867943
<i>yfiF</i>	-1.082943438	0.880887054	0.218929998	0.999867943
<i>ydiQ</i>	-1.085557988	1.929176998	0.573635622	0.999867943
<i>mpaA</i>	-1.086441163	1.902126909	0.567883223	0.999867943
<i>yahC</i>	-1.086743871	0.905650354	0.230155016	0.999867943
<i>paaD</i>	-1.086861753	2.556530753	0.670740816	0.999867943
<i>seqA</i>	-1.087583457	2.35004731	0.643513356	0.999867943
<i>ybbA</i>	-1.090765188	1.031528791	0.290317288	0.999867943
<i>mfd</i>	-1.091696917	0.764432253	0.153258855	0.999867943
<i>rpsD</i>	-1.094250303	1.387525195	0.430325634	0.999867943
<i>btuC</i>	-1.094250602	0.99870223	0.273222107	0.999867943
<i>dnaA</i>	-1.094818818	1.185513332	0.355747906	0.999867943
<i>lptE</i>	-1.095003818	1.851647077	0.554274242	0.999867943
<i>ydjN</i>	-1.096284627	1.889906772	0.561865128	0.999867943
<i>dmlR</i>	-1.09695042	1.790507024	0.54010916	0.999867943
<i>eutS</i>	-1.097904158	2.474819593	0.657310129	0.999867943
<i>arcA</i>	-1.103001339	1.981448821	0.577756979	0.999867943
<i>rstB</i>	-1.1052607	1.887585498	0.558183294	0.999867943
<i>rlmE</i>	-1.105574671	2.283793776	0.628317976	0.999867943
<i>ybcF</i>	-1.10797982	0.915522623	0.226196149	0.999867943
<i>ycjP</i>	-1.110761008	2.280414512	0.626196447	0.999867943
<i>cdd</i>	-1.113495709	1.265173603	0.378798109	0.999867943
<i>yfaE</i>	-1.116521501	2.851709745	0.695407699	0.999867943
<i>thiB</i>	-1.117871655	1.791143243	0.53255489	0.999867943
<i>slyD</i>	-1.118853659	1.091681981	0.305415217	0.999867943
<i>aaeA</i>	-1.119562123	1.903006403	0.556322674	0.999867943
<i>aroL</i>	-1.120114023	2.260335582	0.620210462	0.999867943
<i>glcG</i>	-1.121341477	1.649350965	0.49658784	0.999867943
<i>tatA</i>	-1.121958035	2.037745522	0.581916203	0.999867943
<i>hisQ</i>	-1.124777479	1.463959692	0.442301977	0.999867943
<i>ddpF</i>	-1.127439741	1.454440892	0.43823889	0.999867943
<i>metB</i>	-1.128143242	1.889431186	0.55045338	0.999867943
<i>panB</i>	-1.128855917	2.306416416	0.624529159	0.999867943
<i>gadA</i>	-1.132818933	1.900555743	0.551144397	0.999867943
<i>tusD</i>	-1.135217792	2.464818757	0.64510824	0.999867943
<i>mhpE</i>	-1.140032547	0.7945991	0.151364992	0.999867943
<i>argV</i>	-1.140531602	2.439245747	0.640088173	0.999867943
<i>ydgC</i>	-1.140555592	2.367188236	0.629934734	0.999867943
<i>eutT</i>	-1.141686131	1.41416667	0.419481698	0.999867943
<i>ldrB</i>	-1.146179916	3.489445006	0.742555909	0.999867943
<i>fliM</i>	-1.147560464	1.091203846	0.292961867	0.999867943

<i>yfcE</i>	-1.147795854	2.327190386	0.621863519	0.999867943
<i>yeaL</i>	-1.158798837	1.945975309	0.551519416	0.999867943
<i>frwC</i>	-1.158812594	1.775910996	0.514067536	0.999867943
<i>ypjK</i>	-1.159373811	2.653607736	0.662180431	0.999867943
<i>ygdB</i>	-1.159815841	2.407369687	0.629964224	0.999867943
<i>tff</i>	-1.160301009	2.88061765	0.68709837	0.999867943
<i>purK</i>	-1.161582341	1.019782275	0.25468257	0.999867943
<i>fkpB</i>	-1.162887786	2.350499753	0.6207832	0.999867943
<i>gfcE</i>	-1.164056207	1.784926423	0.51429847	0.999867943
<i>infA</i>	-1.164930891	2.424203749	0.630842288	0.999867943
<i>uxaB</i>	-1.166982172	0.861763248	0.1756791	0.999867943
<i>abgA</i>	-1.168612612	1.783158077	0.512235228	0.999867943
<i>sapB</i>	-1.171315509	1.714527824	0.494498861	0.999867943
<i>uidB</i>	-1.175304539	1.780722489	0.509243848	0.999867943
<i>glnB</i>	-1.176060732	2.429831385	0.628379344	0.999867943
<i>aroH</i>	-1.176375629	1.897634501	0.535312522	0.999867943
<i>rstA</i>	-1.176760297	2.268434095	0.603931981	0.999867943
<i>ydhC</i>	-1.178089973	1.891971733	0.533495865	0.999867943
<i>ylil</i>	-1.180811989	2.21258815	0.593563591	0.999867943
<i>rpmG</i>	-1.182894392	2.672444479	0.65803601	0.999867943
<i>sseA</i>	-1.183022891	2.222496845	0.594522027	0.999867943
<i>gltI</i>	-1.183767053	1.252373008	0.344546963	0.999867943
<i>nirD</i>	-1.184762236	2.209070436	0.591739419	0.999867943
<i>ydhT</i>	-1.188386545	1.714823146	0.48830439	0.999867943
<i>creB</i>	-1.189366206	2.321610019	0.60843944	0.999867943
<i>ycfJ</i>	-1.189376379	1.93399537	0.538565229	0.999867943
<i>lptG</i>	-1.191842074	1.248771086	0.339875149	0.999867943
<i>aspA</i>	-1.195866956	1.277625461	0.349269349	0.999867943
<i>gsiA</i>	-1.196281807	1.078454783	0.267320013	0.999867943
<i>rnt</i>	-1.197021959	1.126872132	0.288121387	0.999867943
<i>btuF</i>	-1.206278455	2.249229551	0.591746116	0.999867943
<i>flhD</i>	-1.207460029	2.374326037	0.611068711	0.999867943
<i>potD</i>	-1.210845488	1.879693452	0.519464044	0.999867943
<i>yfgI</i>	-1.216736645	2.304865236	0.597569261	0.999867943
<i>ddpC</i>	-1.217051895	2.255721264	0.589514291	0.999867943
<i>potI</i>	-1.220190632	1.025117443	0.233931054	0.999867943
<i>yecN</i>	-1.220338064	2.499568454	0.625394373	0.999867943
<i>insB1</i>	-1.221073427	1.167906014	0.295780989	0.999867943
<i>ybeL</i>	-1.222077297	2.292932822	0.594050456	0.999867943
<i>bssS</i>	-1.223973987	2.10994502	0.56184882	0.999867943
<i>grcA</i>	-1.225306523	2.424151279	0.613237229	0.999867943
<i>ycjR</i>	-1.225926068	1.967963485	0.533322984	0.999867943
<i>rscB</i>	-1.227303867	1.493377966	0.411173256	0.999867943
<i>ybaV</i>	-1.230961416	2.456619283	0.616315215	0.999867943
<i>rpoS</i>	-1.232241817	1.052826044	0.241834605	0.999867943
<i>sspA</i>	-1.232368199	1.318519724	0.349963331	0.999867943
<i>ycbL</i>	-1.234817696	1.115020439	0.268103949	0.999867943
<i>argB</i>	-1.23934717	2.272080629	0.585431716	0.999867943
<i>lspA</i>	-1.239883698	2.429624424	0.609827939	0.999867943

<i>rhaB</i>	-1.242088941	2.231326342	0.577760113	0.999867943
<i>rpmJ</i>	-1.242924679	1.944635792	0.522721772	0.999867943
<i>dsbE</i>	-1.243180507	2.386287573	0.602388759	0.999867943
<i>phnO</i>	-1.243227611	1.467635855	0.396941938	0.999867943
<i>guaB</i>	-1.2454434	1.272607482	0.327750581	0.999867943
<i>ytfH</i>	-1.248094727	1.988235436	0.530174338	0.999867943
<i>rttR</i>	-1.248688369	2.520491129	0.620307417	0.999867943
<i>rplQ</i>	-1.252975913	1.410150483	0.374250043	0.999867943
<i>dctA</i>	-1.255503543	1.31587654	0.340023127	0.999867943
<i>ycdX</i>	-1.256893449	2.238694711	0.574497412	0.999867943
<i>flhC</i>	-1.260793003	2.289523141	0.581853536	0.999867943
<i>fruK</i>	-1.262278635	2.227223621	0.570884153	0.999867943
<i>rplP</i>	-1.262869707	1.240255134	0.308566856	0.999867943
<i>yfcH</i>	-1.268686616	0.874685153	0.146933221	0.999867943
<i>gph</i>	-1.272469203	2.312092286	0.582076603	0.999867943
<i>yafD</i>	-1.274090824	2.234317894	0.568516936	0.999867943
<i>yebE</i>	-1.274117907	2.270051505	0.574611658	0.999867943
<i>mnmA</i>	-1.277159433	2.213359775	0.563923938	0.999867943
<i>rplY</i>	-1.277785974	1.553357553	0.410737677	0.999867943
<i>recO</i>	-1.280191821	1.787009533	0.473751928	0.999867943
<i>fepC</i>	-1.280216947	2.273608623	0.573382385	0.999867943
<i>ybdZ</i>	-1.280597663	3.179959966	0.687162505	0.999867943
<i>pnp</i>	-1.281416998	0.944970309	0.175086623	0.999867943
<i>fepG</i>	-1.28199845	1.292357246	0.321205051	0.999867943
<i>srlB</i>	-1.282409428	2.594136138	0.621059501	0.999867943
<i>ulaF</i>	-1.284655647	1.91959326	0.503346696	0.999867943
<i>xthA</i>	-1.285787641	2.274963116	0.571944168	0.999867943
<i>rluE</i>	-1.286686333	1.904422594	0.499275157	0.999867943
<i>lpxC</i>	-1.286829712	1.320997986	0.329989762	0.999867943
<i>hybE</i>	-1.295433255	1.833482696	0.479850898	0.999867943
<i>hybA</i>	-1.297588026	1.008105946	0.19804047	0.999867943
<i>yebA</i>	-1.30020866	1.707281382	0.446318652	0.999867943
<i>rimK</i>	-1.300300804	1.779062056	0.46484561	0.999867943
<i>yfeY</i>	-1.300848581	2.383185737	0.585172902	0.999867943
<i>fadR</i>	-1.301045631	2.241156876	0.561561224	0.999867943
<i>yneG</i>	-1.305603596	1.995059233	0.512842243	0.999867943
<i>lplT</i>	-1.307739213	1.763509315	0.458356975	0.999867943
<i>iscS</i>	-1.307812285	1.086229877	0.228592598	0.999867943
<i>lolA</i>	-1.311084784	2.273332535	0.56412611	0.999867943
<i>ydgl</i>	-1.314588691	1.569779607	0.40234799	0.999867943
<i>hypD</i>	-1.316001307	2.2604605	0.560443533	0.999867943
<i>pykA</i>	-1.316045853	2.19508874	0.548812131	0.999867943
<i>mntS</i>	-1.317572217	2.849963176	0.643857585	0.999867943
<i>glnP</i>	-1.320356416	2.274452221	0.561566549	0.999867943
<i>iscU</i>	-1.322822463	2.331437811	0.570452749	0.999867943
<i>hcaT</i>	-1.329365745	0.949263929	0.161388356	0.999867943
<i>cspG</i>	-1.330541489	2.451182429	0.58725637	0.999867943
<i>wzb</i>	-1.331096819	2.5467528	0.601207872	0.999867943
<i>ribE</i>	-1.334855794	2.35143228	0.5702538	0.999867943

<i>ygaH</i>	-1.335689367	2.541293415	0.599170109	0.999867943
<i>frdC</i>	-1.336073358	2.314883204	0.563826891	0.999867943
<i>yjjG</i>	-1.341883825	2.271404965	0.554672794	0.999867943
<i>murA</i>	-1.346674725	1.375512719	0.327562819	0.999867943
<i>fabF</i>	-1.347431525	0.941849687	0.152538383	0.999867943
<i>cmoB</i>	-1.350944157	1.761466383	0.443115459	0.999867943
<i>flgI</i>	-1.35132741	2.273385049	0.552236568	0.999867943
<i>ydhJ</i>	-1.352528602	1.698105922	0.425745843	0.999867943
<i>lolC</i>	-1.352572772	1.28681817	0.293213309	0.999867943
<i>hokB</i>	-1.359679528	4.114258964	0.741037444	0.999867943
<i>yejF</i>	-1.361622554	2.187622085	0.533664887	0.999867943
<i>ydhB</i>	-1.36376434	1.794634495	0.447307171	0.999867943
<i>hisG</i>	-1.364352742	1.18665826	0.25024949	0.999867943
<i>mmuP</i>	-1.366742099	0.803565405	0.088971653	0.999867943
<i>smrA</i>	-1.368853456	1.374391069	0.319264304	0.999867943
<i>rrfD</i>	-1.369291942	2.948592834	0.642369588	0.999867943
<i>sdhC</i>	-1.372772495	2.348111247	0.558797615	0.999867943
<i>flgH</i>	-1.375892871	2.371195702	0.561744173	0.999867943
<i>hscB</i>	-1.38252374	1.956940563	0.479894651	0.999867943
<i>ccmE</i>	-1.387685798	2.319347288	0.549633933	0.999867943
<i>iscA</i>	-1.391482402	2.380245721	0.55881932	0.999867943
<i>secE</i>	-1.392197859	1.956320722	0.476687167	0.999867943
<i>ispH</i>	-1.394539825	1.879527224	0.458109699	0.999867943
<i>baeR</i>	-1.395260033	2.314497277	0.546618441	0.999867943
<i>insII</i>	-1.39549952	1.169071737	0.232602508	0.999867943
<i>yccA</i>	-1.4015563	1.302938614	0.282066518	0.999867943
<i>pfkB</i>	-1.4044154	2.235752134	0.529897566	0.999867943
<i>yneJ</i>	-1.409750938	1.88458119	0.454433207	0.999867943
<i>rcsF</i>	-1.409915513	1.928524011	0.464727066	0.999867943
<i>yciS</i>	-1.410236421	1.893546445	0.456417213	0.999867943
<i>cra</i>	-1.410953049	1.755625285	0.4215844	0.999867943
<i>ybhP</i>	-1.412399673	1.918633777	0.461640236	0.999867943
<i>flgM</i>	-1.414140975	2.667795621	0.596057538	0.999867943
<i>insHI</i>	-1.417366108	1.22682247	0.247961554	0.999867943
<i>btuD</i>	-1.417374987	2.355476814	0.547349942	0.999867943
<i>nudG</i>	-1.417497792	2.469932781	0.56603455	0.999867943
<i>insDI</i>	-1.419338721	1.089881141	0.192818081	0.999867943
<i>serS</i>	-1.421345497	2.212818538	0.520663115	0.999867943
<i>ydiS</i>	-1.422180845	1.111163069	0.200579284	0.999867943
<i>rutD</i>	-1.424353991	1.219762843	0.242915584	0.999867943
<i>tadA</i>	-1.426903138	1.793842118	0.426354565	0.999867943
<i>narW</i>	-1.436290023	1.963979273	0.464585987	0.999867943
<i>mlaC</i>	-1.436768416	2.264903142	0.525844623	0.999867943
<i>pdxY</i>	-1.437868158	1.761090099	0.414234321	0.999867943
<i>yraN</i>	-1.438520147	2.07139861	0.487388733	0.999867943
<i>wcaB</i>	-1.439174817	2.430001379	0.553681401	0.999867943
<i>mldD</i>	-1.442891122	1.946281835	0.458476555	0.999867943
<i>insHI</i>	-1.445808799	1.217815935	0.235143003	0.999867943
<i>surE</i>	-1.446930531	1.199271066	0.227621549	0.999867943

<i>yohK</i>	-1.450489445	2.307631477	0.529635848	0.999867943
<i>ydhP</i>	-1.453433477	1.859938178	0.434542682	0.999867943
<i>sdhD</i>	-1.454165901	2.342928863	0.534822321	0.999867943
<i>ypfG</i>	-1.454272567	1.682766849	0.387469724	0.999867943
<i>modC</i>	-1.459203576	1.756339191	0.406074728	0.999867943
<i>rbfA</i>	-1.461783254	2.313486091	0.527482902	0.999867943
<i>infC</i>	-1.464390148	2.077593844	0.48090415	0.999867943
<i>rplS</i>	-1.464802378	2.377827855	0.53787775	0.999867943
<i>fryC</i>	-1.465201602	1.883218328	0.436550937	0.999867943
<i>hyfH</i>	-1.465772908	1.943188047	0.450661019	0.999867943
<i>sufC</i>	-1.468762413	1.917786179	0.443757533	0.999867943
<i>dusB</i>	-1.471355071	1.203360897	0.221441237	0.999867943
<i>pgsA</i>	-1.480939096	2.260478602	0.512375016	0.999867943
<i>pyrC</i>	-1.487292934	1.758394077	0.39765061	0.999867943
<i>rpsA</i>	-1.493189981	1.21513646	0.219137451	0.999867943
<i>ribF</i>	-1.503618312	2.223641938	0.498916061	0.999867943
<i>ycdY</i>	-1.503651481	2.419390852	0.534270677	0.999867943
<i>rpsF</i>	-1.514373631	1.462826195	0.300557659	0.999867943
<i>rpsL</i>	-1.515668447	1.594704816	0.341889619	0.999867943
<i>skp</i>	-1.517879855	2.358464596	0.519842539	0.999867943
<i>moaC</i>	-1.518408838	2.582749101	0.556596651	0.999867943
<i>thiK</i>	-1.524968676	1.873634352	0.415696836	0.999867943
<i>ybeZ</i>	-1.526770214	2.210042438	0.489670504	0.999867943
<i>pdxB</i>	-1.529348053	1.855235751	0.409745474	0.999867943
<i>insBI</i>	-1.53027411	1.684164234	0.363547986	0.999867943
<i>nusB</i>	-1.542223312	2.475386543	0.533269259	0.999867943
<i>bamB</i>	-1.543412591	1.747068197	0.377003946	0.999867943
<i>pncC</i>	-1.550136902	1.952282135	0.42718801	0.999867943
<i>galK</i>	-1.553167966	1.85655769	0.402825986	0.999867943
<i>hcaB</i>	-1.55742558	1.080978913	0.149653961	0.999867943
<i>yebZ</i>	-1.558625124	1.662034373	0.348356699	0.999867943
<i>fliP</i>	-1.564308614	2.313331192	0.498904325	0.999867943
<i>nuoA</i>	-1.565189563	1.251762947	0.211157789	0.999867943
<i>yehX</i>	-1.567186761	1.749209382	0.370284776	0.999867943
<i>rplF</i>	-1.569423401	1.481963658	0.289592439	0.999867943
<i>fdnH</i>	-1.573568319	1.785154244	0.378060937	0.999867943
<i>hisI</i>	-1.585457706	1.88441409	0.400150131	0.999867943
<i>add</i>	-1.588110128	1.852737909	0.391351305	0.999867943
<i>nuoJ</i>	-1.59069751	1.784145243	0.372621312	0.999867943
<i>psrD</i>	-1.593983081	2.600653376	0.539931625	0.999867943
<i>yfcZ</i>	-1.602080944	1.262560925	0.20447182	0.999867943
<i>recR</i>	-1.611613529	1.764229577	0.36098267	0.999867943
<i>yfiM</i>	-1.616833643	2.340884658	0.489758222	0.999867943
<i>hcr</i>	-1.636096483	1.861406546	0.379424542	0.999867943
<i>cydA</i>	-1.638126747	1.138459257	0.150179425	0.999867943
<i>ptsN</i>	-1.640419963	1.900368873	0.38802128	0.999867943
<i>insDI</i>	-1.640800469	1.047095587	0.117114315	0.999867943
<i>fliN</i>	-1.645563825	1.856466781	0.375404436	0.999867943
<i>deoR</i>	-1.649403382	2.204918326	0.454426107	0.999867943

<i>yjjX</i>	-1.654569971	2.271700214	0.466405526	0.999867943
<i>crr</i>	-1.660271943	2.286193166	0.467705859	0.999867943
<i>ychH</i>	-1.661247099	1.545061166	0.282285968	0.999867943
<i>ccmD</i>	-1.664728939	2.667425612	0.532564717	0.999867943
<i>ycjU</i>	-1.666821285	2.363672889	0.480696532	0.999867943
<i>yfiH</i>	-1.678446378	1.749818385	0.337452076	0.999867943
<i>napD</i>	-1.690145959	2.91842201	0.562501408	0.999867943
<i>insE1</i>	-1.694211593	2.140813892	0.428718382	0.999867943
<i>hybB</i>	-1.695168085	1.89737017	0.371626759	0.999867943
<i>kdpE</i>	-1.703926589	2.293650498	0.457549186	0.999867943
<i>ygfM</i>	-1.704965092	2.261471694	0.450898229	0.999867943
<i>ymgG</i>	-1.705569756	2.480880884	0.491776804	0.999867943
<i>ycbK</i>	-1.705947434	1.105763441	0.122884666	0.999867943
<i>udp</i>	-1.707934879	1.388346692	0.218624707	0.999867943
<i>yhbQ</i>	-1.713946051	2.510607375	0.49480791	0.999867943
<i>insD1</i>	-1.724761212	1.153233907	0.13476141	0.999867943
<i>wcaL</i>	-1.731019437	1.419898048	0.222800433	0.999867943
<i>yjjW</i>	-1.737271903	2.28615976	0.447309367	0.999867943
<i>wcaG</i>	-1.742356305	2.297195548	0.448169041	0.999867943
<i>cspB</i>	-1.758804163	2.361865767	0.456472882	0.999867943
<i>exuT</i>	-1.761851216	1.132571501	0.119798409	0.999867943
<i>cptA</i>	-1.764524664	2.317176945	0.446359917	0.999867943
<i>yhbP</i>	-1.771227787	2.316099819	0.444422882	0.999867943
<i>ppdC</i>	-1.7789275	2.523947804	0.480922604	0.999867943
<i>rlmH</i>	-1.780701576	1.909845496	0.351140222	0.999867943
<i>hyaE</i>	-1.783163635	2.593246699	0.491693242	0.999867943
<i>hybD</i>	-1.784586155	2.289099299	0.435625239	0.999867943
<i>ybcJ</i>	-1.792285516	2.746124743	0.513975556	0.999867943
<i>rpsO</i>	-1.795957681	1.800510962	0.318535886	0.999867943
<i>aspS</i>	-1.803886353	2.15043124	0.401554244	0.999867943
<i>rpmH</i>	-1.81595926	2.609983833	0.486570286	0.999867943
<i>dusC</i>	-1.827279633	1.638822144	0.264852267	0.999867943
<i>rpsM</i>	-1.835683858	1.515084457	0.225663631	0.999867943
<i>paaF</i>	-1.854066489	2.331308657	0.426444822	0.999867943
<i>rsxB</i>	-1.855276122	1.897593574	0.328223013	0.999867943
<i>ligT</i>	-1.859114481	1.764599945	0.292083745	0.999867943
<i>nrdI</i>	-1.88084444	2.731338304	0.491064677	0.999867943
<i>ylbF</i>	-1.885050416	1.638206753	0.249864242	0.999867943
<i>murG</i>	-1.910636361	1.819908142	0.293785618	0.999867943
<i>yneM</i>	-1.91086946	2.561536955	0.455676166	0.999867943
<i>rpsU</i>	-1.914384981	2.478423427	0.439865436	0.999867943
<i>nudB</i>	-1.916366907	2.416323792	0.427724262	0.999867943
<i>rplB</i>	-1.927689976	1.403236928	0.169520803	0.999867943
<i>ruvC</i>	-1.929400255	2.383590313	0.41825561	0.999867943
<i>purE</i>	-1.929978766	2.382781779	0.41795814	0.999867943
<i>hypC</i>	-1.939751387	3.074779699	0.528132947	0.999867943
<i>yceD</i>	-1.9578464	2.094941778	0.350015689	0.999867943
<i>rpsK</i>	-1.966140053	1.344235685	0.143564451	0.999867943
<i>ilvY</i>	-1.968167328	1.708325534	0.249278665	0.999867943

<i>entC</i>	-1.977294971	1.704195895	0.245946633	0.999867943
<i>ccmB</i>	-1.979226101	2.371864152	0.404021738	0.999867943
<i>thiG</i>	-1.980082449	1.887138848	0.294062581	0.999867943
<i>ssuD</i>	-1.995569163	1.549112815	0.197675895	0.999867943
<i>yedJ</i>	-1.997602967	2.282203504	0.38141302	0.999867943
<i>csrB</i>	-1.999892836	1.379611609	0.147168509	0.999867943
<i>ycjQ</i>	-2.000703361	1.734690996	0.248767346	0.999867943
<i>thiQ</i>	-2.010276722	1.432804197	0.160605927	0.999867943
<i>napB</i>	-2.019735754	2.527504615	0.424230866	0.999867943
<i>hisC</i>	-2.020724947	1.832453792	0.27013894	0.999867943
<i>rimM</i>	-2.03873685	2.336646513	0.382932689	0.999867943
<i>frdD</i>	-2.057394256	2.314168938	0.373980305	0.999867943
<i>nrfD</i>	-2.063234822	1.818117674	0.256451085	0.999867943
<i>vsr</i>	-2.06341002	2.011733094	0.305038784	0.999867943
<i>cysU</i>	-2.085833221	1.859504464	0.261983826	0.999867943
<i>cspA</i>	-2.087598663	1.809156147	0.248538136	0.999867943
<i>rutE</i>	-2.089864176	2.366150688	0.377109983	0.999867943
<i>rpmD</i>	-2.093123246	2.798638898	0.454515905	0.999867943
<i>yhbS</i>	-2.100442672	1.627307554	0.196791351	0.999867943
<i>phnK</i>	-2.13354282	1.761125334	0.225716998	0.999867943
<i>hybF</i>	-2.143925216	2.650956701	0.418666778	0.999867943
<i>hyaD</i>	-2.148527771	2.424189806	0.375462924	0.999867943
<i>cyoC</i>	-2.183333709	1.912005925	0.253492514	0.999867943
<i>rplV</i>	-2.188027999	2.309997598	0.343537256	0.999867943
<i>ugpQ</i>	-2.219035142	1.845719787	0.229262794	0.999867943
<i>cydB</i>	-2.222919523	1.128313949	0.048824046	0.999867943
<i>ypdE</i>	-2.227670118	1.763356267	0.206476874	0.999867943
<i>moaD</i>	-2.240788119	2.850593064	0.431821869	0.999867943
<i>rpsT</i>	-2.244635763	2.499697849	0.369205364	0.999867943
<i>eutQ</i>	-2.251483267	2.268523036	0.320959235	0.999867943
<i>nohD</i>	-2.259115632	1.805414291	0.210824898	0.999867943
<i>rplI</i>	-2.279232331	2.273831903	0.316162495	0.999867943
<i>entA</i>	-2.310945546	1.881322976	0.219311127	0.999867943
<i>bioC</i>	-2.402673391	1.937663894	0.21498109	0.999867943
<i>menD</i>	-2.42159326	1.929036301	0.209355956	0.999867943
<i>rplW</i>	-2.46677392	2.38536979	0.301077067	0.999867943
<i>tdcD</i>	-2.543290237	1.600638143	0.112077852	0.999867943
<i>tauC</i>	-2.545084969	1.806192684	0.158809061	0.999867943
<i>ydfK</i>	-2.557871301	2.759824421	0.354017961	0.999867943
<i>rpmA</i>	-2.590450759	2.343969575	0.269092235	0.999867943
<i>hflD</i>	-2.603316557	1.830434313	0.154956644	0.999867943
<i>eutG</i>	-2.825725117	1.50883177	0.061097383	0.999867943
<i>puuE</i>	-2.916486509	1.679792502	0.08252524	0.999867943
<i>rplO</i>	-2.963760543	2.328968719	0.203172984	0.999867943
<i>yiaQ</i>	-3.053409541	2.322089249	0.18852985	0.999867943
<i>napG</i>	-3.06173146	2.346209428	0.191903275	0.999867943
<i>rutF</i>	-3.101129296	1.676959481	0.064420691	0.999867943
<i>phnH</i>	-3.470572916	2.050997334	0.090619443	0.999867943
<i>nikC</i>	-3.511840413	1.610137756	0.029177447	0.999867943

<i>insC1</i>	-3.658927426	2.197675676	0.095931147	0.999867943
<i>insC1</i>	-3.700418678	2.197302516	0.092167488	0.999867943
<i>insC1</i>	-3.787168169	2.21336214	0.08707231	0.999867943
<i>rpmC</i>	-4.037289746	2.807163246	0.15037453	0.999867943
<i>phnI</i>	-4.074845184	1.817550807	0.024965061	0.999867943

Table S4. GO Functional Enrichment analysis for up-regulated genes in ampicillin-resistant cells

Biological processes	<i>Escherichia coli</i> - Reflist (4392)	Gene list (306)	Expected	Fold Enrichment	P-value
threonine catabolic process (GO:0006567)	14	8	0.98	8.2	4.82E-02
regulation of developmental process (GO:0050793)	48	16	3.34	4.78	2.26E-03
regulation of cell morphogenesis (GO:0022604)	48	16	3.34	4.78	2.26E-03
regulation of anatomical structure morphogenesis (GO:0022603)	48	16	3.34	4.78	2.26E-03
regulation of cell shape (GO:0008360)	48	16	3.34	4.78	2.26E-03
glycosaminoglycan biosynthetic process (GO:0006024)	46	14	3.2	4.37	2.36E-02
aminoglycan biosynthetic process (GO:0006023)	46	14	3.2	4.37	2.36E-02
peptidoglycan biosynthetic process (GO:0009252)	46	14	3.2	4.37	2.36E-02
cell wall macromolecule biosynthetic process (GO:0044038)	47	14	3.27	4.28	2.88E-02
cellular component macromolecule biosynthetic process (GO:0070589)	47	14	3.27	4.28	2.88E-02
peptidoglycan-based cell wall biogenesis (GO:0009273)	49	14	3.41	4.1	4.25E-02
peptidoglycan metabolic process (GO:0000270)	76	18	5.3	3.4	2.95E-02
glycosaminoglycan metabolic process (GO:0030203)	76	18	5.3	3.4	2.95E-02
aminoglycan metabolic process (GO:0006022)	78	18	5.43	3.31	3.98E-02
external encapsulating structure organization (GO:0045229)	102	22	7.11	3.1	1.35E-02
cell division (GO:0051301)	93	20	6.48	3.09	3.53E-02
cellular component biogenesis (GO:0044085)	316	49	22.02	2.23	7.43E-04
cellular amino acid metabolic process (GO:0006520)	259	40	18.05	2.22	9.44E-03
organonitrogen compound biosynthetic process (GO:1901566)	520	75	36.23	2.07	4.51E-06
cellular macromolecule biosynthetic process (GO:0034645)	285	41	19.86	2.06	3.83E-02
small molecule biosynthetic process (GO:0044283)	311	44	21.67	2.03	2.90E-02

cellular component organization or biogenesis (GO:0071840)	469	64	32.68	1.96	6.07E-04
carbohydrate derivative metabolic process (GO:1901135)	396	54	27.59	1.96	5.53E-03
carboxylic acid metabolic process (GO:0019752)	507	68	35.32	1.93	5.40E-04
cellular component organization (GO:0016043)	412	55	28.7	1.92	8.04E-03
gene expression (GO:0010467)	393	52	27.38	1.9	2.04E-02
organic substance biosynthetic process (GO:1901576)	910	119	63.4	1.88	3.52E-09
biosynthetic process (GO:0009058)	925	120	64.45	1.86	4.63E-09
organonitrogen compound metabolic process (GO:1901564)	986	127	68.7	1.85	1.06E-09
oxoacid metabolic process (GO:0043436)	531	68	37	1.84	2.25E-03
cellular nitrogen compound biosynthetic process (GO:0044271)	509	65	35.46	1.83	3.86E-03
cellular biosynthetic process (GO:0044249)	888	113	61.87	1.83	1.27E-07
organic acid metabolic process (GO:0006082)	545	68	37.97	1.79E+00	4.69E-03
small molecule metabolic process (GO:0044281)	876	104	61.03	1.70E+00	3.95E-05
nitrogen compound metabolic process (GO:0006807)	1530	168	106.6	1.58E+00	5.70E-09
cellular metabolic process (GO:0044237)	2036	211	141.85	1.49E+00	1.80E-11
organic substance metabolic process (GO:0071704)	1987	204	138.44	1.47E+00	4.42E-10
cellular nitrogen compound metabolic process (GO:0034641)	1038	106	72.32	1.47E+00	3.70E-02
primary metabolic process (GO:0044238)	1724	174	120.11	1.45E+00	2.95E-06
macromolecule metabolic process (GO:0043170)	1090	110	75.94	1.45E+00	3.69E-02
metabolic process (GO:0008152)	2202	220	153.42	1.43E+00	1.21E-10
cellular process (GO:0009987)	3004	273	209.3	1.30E+00	1.49E-13
biological_process (GO:0008150)	3405	292	237.23	1.23E+00	3.45E-14
Unclassified (UNCLASSIFIED)	987	14	68.77	2.00E-01	0.00E+00
Molecular function	<i>Escherichia coli</i> - Reflist (4392)	Gene list (306)	Expected	Fold Enrichment	P-value
guanosine tetraphosphate binding (GO:0097216)	34	13	2.37	5.49	5.12E-03
ligase activity (GO:0016874)	110	23	7.66	3	1.08E-02
identical protein binding (GO:0042802)	432	73	30.1	2.43	9.42E-09
RNA binding (GO:0003723)	183	30	12.75	2.35	4.13E-02
purine ribonucleoside triphosphate binding (GO:0035639)	490	71	34.14	2.08	8.54E-06

carbohydrate derivative binding (GO:0097367)	581	84	40.48	2.08	2.52E-07
purine ribonucleotide binding (GO:0032555)	515	74	35.88	2.06	5.56E-06
purine nucleotide binding (GO:0017076)	516	74	35.95	2.06	5.85E-06
ATP binding (GO:0005524)	443	63	30.86	2.04	1.53E-04
adenyl ribonucleotide binding (GO:0032559)	449	63	31.28	2.01	2.88E-04
nucleotide binding (GO:0000166)	713	100	49.68	2.01	1.15E-08
nucleoside phosphate binding (GO:1901265)	713	100	49.68	2.01	1.15E-08
adenyl nucleotide binding (GO:0030554)	450	63	31.35	2.01	2.97E-04
ribonucleotide binding (GO:0032553)	553	77	38.53	2	9.15E-06
anion binding (GO:0043168)	733	101	51.07	1.98	2.04E-08
protein binding (GO:0005515)	1365	187	95.1	1.97	3.08E-22
small molecule binding (GO:0036094)	827	110	57.62	1.91	1.22E-08
ion binding (GO:0043167)	1338	155	93.22	1.66	1.37E-09
transferase activity (GO:0016740)	645	74	44.94	1.65	2.30E-02
catalytic activity (GO:0003824)	2035	227	141.78	1.6	1.16E-18
metal ion binding (GO:0046872)	803	88	55.95	1.57	1.45E-02
organic cyclic compound binding (GO:0097159)	1436	157	100.05	1.57	1.11E-07
heterocyclic compound binding (GO:1901363)	1436	157	100.05	1.57	1.11E-07
cation binding (GO:0043169)	815	89	56.78	1.57	1.57E-02
binding (GO:0005488)	2479	257	172.72	1.49	2.26E-20
molecular_function (GO:0003674)	3290	293	229.22	1.28	1.34E-18
Unclassified (UNCLASSIFIED)	1102	13	76.78	0.17	0.00E+00
Cellular component	<i>Escherichia coli</i> - Reflist (4392)	Gene list (306)	Expected	Fold Enrichment	P-value
oxidoreductase complex (GO:1990204)	65	17	4.53	3.75E+00	2.06E-03
catalytic complex (GO:1902494)	166	34	11.57	2.94E+00	1.81E-05
cytosol (GO:0005829)	1063	153	74.06	2.07E+00	1.10E-18
protein-containing complex (GO:0032991)	635	88	44.24	1.99E+00	9.57E-08
intracellular anatomical structure (GO:0005622)	1467	194	102.21	1.90E+00	9.19E-23
cytoplasm (GO:0005737)	1434	187	99.91	1.87E+00	1.34E-20
cellular anatomical entity (GO:0110165)	2908	273	202.61	1.35E+00	2.15E-17
cellular_component (GO:0005575)	2969	274	206.86	1.32E+00	5.04E-16
Unclassified (UNCLASSIFIED)	1423	32	99.14	3.20E-01	0.00E+00

Table S5. GO Functional Enrichment analysis for down-regulated genes in ampicillin-resistant cells

Biological processes	<i>Escherichia coli</i> - Reflist (4392)	Gene list (228)	Expected	Fold Enrichment	P-value
Unclassified (UNCLASSIFIED)	987	105	51.46	2.04	0.00E+00
biological_process (GO:0008150)	3405	124	177.54	0.7	5.30E-11
cellular process (GO:0009987)	3004	96	156.63	0.61	1.64E-12
nitrogen compound metabolic process (GO:0006807)	1530	37	79.77	0.46	1.25E-06
cellular metabolic process (GO:0044237)	2036	48	106.16	0.45	8.38E-12
metabolic process (GO:0008152)	2202	50	114.81	0.44	1.40E-14
primary metabolic process (GO:0044238)	1724	39	89.89	0.43	1.52E-09
organic substance metabolic process (GO:0071704)	1987	43	103.6	0.42	3.43E-13
establishment of localization (GO:0051234)	721	13	37.59	0.35	2.96E-03
transport (GO:0006810)	712	12	37.12	0.32	1.03E-03
organonitrogen compound metabolic process (GO:1901564)	986	16	51.41	0.31	1.17E-06
cellular biosynthetic process (GO:0044249)	888	14	46.3	0.3	6.67E-06
cellular nitrogen compound biosynthetic process (GO:0044271)	509	8	26.54	0.3	3.87E-02
organic substance biosynthetic process (GO:1901576)	910	14	47.45	0.3	2.99E-06
biosynthetic process (GO:0009058)	925	14	48.23	0.29	1.31E-06
transmembrane transport (GO:0055085)	596	9	31.08	0.29	3.16E-03
small molecule metabolic process (GO:0044281)	876	10	45.67	0.22	4.31E-08
ion transport (GO:0006811)	383	4	19.97	0.2	2.68E-02
carbohydrate derivative metabolic process (GO:1901135)	396	4	20.65	0.19	1.90E-02
carboxylic acid metabolic process (GO:0019752)	507	4	26.44	0.15	7.28E-05
oxoacid metabolic process (GO:0043436)	531	4	27.69	0.14	3.32E-05
organic acid metabolic process (GO:0006082)	545	4	28.42	0.14	1.39E-05
small molecule biosynthetic process (GO:0044283)	311	2	16.22	0.12	2.27E-02
organonitrogen compound biosynthetic process (GO:1901566)	520	3	27.11	0.11	6.19E-06
Molcular function	<i>Escherichia coli</i> - Reflist (4392)	Gene list (228)	Expected	Fold Enrichment	P-value

Unclassified (UNCLASSIFIED)	1102	136	57.46	2.37E+00	0.00E+00
binding (GO:0005488)	2479	74	129.26	5.70E-01	8.81E-10
molecular_function (GO:0003674)	3290	93	171.54	5.40E-01	1.67E-23
organic cyclic compound binding (GO:0097159)	1436	40	74.87	5.30E-01	5.67E-04
heterocyclic compound binding (GO:1901363)	1436	40	74.87	5.30E-01	5.67E-04
protein binding (GO:0005515)	1365	38	71.17	5.30E-01	1.26E-03
transferase activity (GO:0016740)	645	12	33.63	3.60E-01	1.43E-02
catalytic activity (GO:0003824)	2035	35	106.11	3.30E-01	2.62E-19
metal ion binding (GO:0046872)	803	12	41.87	2.90E-01	1.89E-05
cation binding (GO:0043169)	815	12	42.49	2.80E-01	1.30E-05
ion binding (GO:0043167)	1338	16	69.76	2.30E-01	1.67E-14
oxidoreductase activity (GO:0016491)	442	4	23.05	1.70E-01	1.47E-03
ATP binding (GO:0005524)	443	4	23.1	1.70E-01	1.48E-03
transmembrane transporter activity (GO:0022857)	559	5	29.15	1.70E-01	3.39E-05
adenyl ribonucleotide binding (GO:0032559)	449	4	23.41	1.70E-01	9.95E-04
adenyl nucleotide binding (GO:0030554)	450	4	23.46	1.70E-01	9.94E-04
transporter activity (GO:0005215)	567	5	29.56	1.70E-01	2.24E-05
purine ribonucleoside triphosphate binding (GO:0035639)	490	4	25.55	1.60E-01	1.34E-04
purine ribonucleotide binding (GO:0032555)	515	4	26.85	1.50E-01	3.93E-05
purine nucleotide binding (GO:0017076)	516	4	26.9	1.50E-01	3.91E-05
ribonucleotide binding (GO:0032553)	553	4	28.83	0.14	7.38E-06
carbohydrate derivative binding (GO:0097367)	581	4	30.29	0.13	2.12E-06
nucleotide binding (GO:0000166)	713	4	37.18	0.11	1.62E-09
nucleoside phosphate binding (GO:1901265)	713	4	37.18	0.11	1.62E-09
anion binding (GO:0043168)	733	4	38.22	0.1	6.49E-10
small molecule binding (GO:0036094)	827	4	43.12	0.09	3.22E-12

Cellular component

	<i>Escherichia coli</i> - Reflist (4392)	Gene list (306)	Expected	Fold Enrichment	P-value
Unclassified (UNCLASSIFIED)	1423	126	74.2	1.70E+00	0.00E+00
cellular_component (GO:0005575)	2969	103	154.8	6.70E-01	1.55E-09
cellular anatomical entity (GO:0110165)	2908	97	151.62	6.40E-01	1.12E-10
protein-containing complex (GO:0032991)	635	14	33.11	4.20E-01	2.56E-02
intracellular anatomical structure (GO:0005622)	1467	27	76.49	3.50E-01	3.49E-11

cytoplasm (GO:0005737)	1434	26	74.77	3.50E-01	4.45E-11
cytosol (GO:0005829)	1063	12	55.43	2.20E-01	9.49E-12

Table S6. GO Functional Enrichment analysis for up-regulated genes in gentamicin-resistant cells

Biological processes	<i>Escherichia coli</i> - Reflist (4392)	Gene list (249)	Expected	Fold Enrichment	P-value
organic phosphonate catabolic process (GO:0019700)	8	8	0.46	17.5	6.57E-04
organic phosphonate metabolic process (GO:0019634)	10	9	0.57	1.58E+01	2.24E-04
siderophore-dependent iron import into cell (GO:0033214)	15	9	0.86	1.05E+01	2.49E-03
primary alcohol catabolic process (GO:0034310)	22	9	1.26	7.16E+00	2.75E-02
iron import into cell (GO:0033212)	22	9	1.26	7.16E+00	2.75E-02
primary alcohol metabolic process (GO:0034308)	48	16	2.74	5.83E+00	1.78E-04
iron coordination entity transport (GO:1901678)	39	13	2.23	5.83E+00	2.69E-03
transition metal ion transport (GO:0000041)	72	19	4.11	4.62E+00	2.64E-04
iron ion transport (GO:0006826)	50	13	2.86	4.55	2.60E-02
metal ion transport (GO:0030001)	115	24	6.57	3.65	2.97E-04
alcohol metabolic process (GO:0006066)	90	18	5.14	3.5	1.66E-02
organic hydroxy compound metabolic process (GO:1901615)	124	21	7.09	2.96	3.01E-02
organic acid catabolic process (GO:0016054)	195	29	11.14	2.6	1.15E-02
small molecule catabolic process (GO:0044282)	298	38	17.03	2.23	8.98E-03
organic substance catabolic process (GO:1901575)	487	59	27.83	2.12	9.72E-05
catabolic process (GO:0009056)	502	60	28.69	2.09	9.03E-05
organic acid metabolic process (GO:0006082)	545	59	31.15	1.89	3.07E-03
carboxylic acid metabolic process (GO:0019752)	507	53	28.97	1.83	2.78E-02
small molecule metabolic process (GO:0044281)	876	80	50.06	1.6	2.04E-02
cellular metabolic process (GO:0044237)	2036	157	116.36	1.35	7.51E-04
organic substance metabolic process (GO:0071704)	1987	153	113.56	1.35	1.46E-03
metabolic process (GO:0008152)	2202	166	125.84	1.32	8.04E-04
cellular process (GO:0009987)	3004	217	171.68	1.26	1.56E-07
biological_process (GO:0008150)	3405	225	194.59	1.16	2.19E-03
Unclassified (UNCLASSIFIED)	987	26	56.41	0.46	0.00E+00
Molecular functions	<i>Escherichia coli</i> - Reflist (4392)	Gene list (249)	Expected	Fold Enrichment	P-value
ATP hydrolysis activity (GO:0016887)	125	22	7.14	3.08	9.14E-03
ATP-dependent activity (GO:0140657)	190	28	10.86	2.58E+00	1.51E-02

adenyl ribonucleotide binding (GO:0032559)	449	51	25.66	1.99E+00	4.37E-03
adenyl nucleotide binding (GO:0030554)	450	51	25.72	1.98E+00	4.51E-03
ATP binding (GO:0005524)	443	50	25.32	1.97E+00	6.45E-03
purine ribonucleoside triphosphate binding (GO:0035639)	490	52	28	1.86E+00	2.47E-02
purine ribonucleotide binding (GO:0032555)	515	53	29.43	1.80E+00	3.77E-02
purine nucleotide binding (GO:0017076)	516	53	29.49	1.80E+00	3.87E-02
small molecule binding (GO:0036094)	827	84	47.26	1.78E+00	1.07E-04
ribonucleotide binding (GO:0032553)	553	56	31.6	1.77E+00	4.11E-02
anion binding (GO:0043168)	733	74	41.89	1.77E+00	1.12E-03
carbohydrate derivative binding (GO:0097367)	581	58	33.2	1.75E+00	3.91E-02
nucleotide binding (GO:0000166)	713	71	40.75	1.74E+00	3.22E-03
nucleoside phosphate binding (GO:1901265)	713	71	40.75	1.74E+00	3.22E-03
ion binding (GO:0043167)	1338	117	76.47	1.53E+00	2.38E-04
catalytic activity (GO:0003824)	2035	160	116.3	1.38E+00	7.38E-05
molecular_function (GO:0003674)	3290	227	188.02	1.21E+00	1.30E-06
Unclassified (UNCLASSIFIED)	1102	24	62.98	3.80E-01	0.00E+00
Cellulkar component	<i>Escherichia coli</i> - Reflist (4392)	Gene list (249)	Expected	Fold Enrichment	P-value
carbon phosphorus lyase complex (GO:1904176)	5	5	0.29	1.75E+01	1.26E-02
ATP-binding cassette (ABC) transporter complex, substrate-binding subunit-containing (GO:0055052)	34	14	1.94	7.21E+00	1.65E-05
ATP-binding cassette (ABC) transporter complex (GO:0043190)	129	21	7.37	2.85E+00	6.26E-03
ATPase dependent transmembrane transport complex (GO:0098533)	133	21	7.6	2.76E+00	9.31E-03
Unclassified (UNCLASSIFIED)	1423	72	81.32	8.90E-01	0.00E+00

Table S7. GO Functional Enrichment analysis for down-regulated genes in gentamicin-resistant cells

Biological processes	<i>Escherichia coli</i> - Reflist (4392)	Gene list (427)	Expected	Fold Enrichment	P-value
ribosomal small subunit assembly (GO:0000028)	21	16	2.06	7.76E+00	3.18E-05
ribonucleoprotein complex subunit organization (GO:0071826)	51	34	5	6.79E+00	6.16E-12
ribonucleoprotein complex assembly (GO:0022618)	51	34	5	6.79E+00	6.16E-12
ribosomal large subunit assembly (GO:0000027)	29	18	2.85	6.32E+00	4.23E-05
ribosomal small subunit biogenesis (GO:0042274)	28	17	2.75	6.19	1.29E-04
ribosomal large subunit biogenesis (GO:0042273)	30	18	2.94	6.11	6.22E-05
ribosome assembly (GO:0042255)	57	34	5.59	6.08	6.82E-11
(GO:0034249)	27	15	2.65	5.66	1.70E-03
negative regulation of cellular macromolecule biosynthetic process (GO:2000113)	26	14	2.55	5.49	5.06E-03
negative regulation of translation (GO:0017148)	26	14	2.55	5.49	5.06E-03
translation (GO:0006412)	116	61	11.38	5.36	3.66E-19
non-membrane-bounded organelle assembly (GO:0140694)	76	37	7.46	4.96	6.04E-10
organelle assembly (GO:0070925)	76	37	7.46	4.96	6.04E-10
peptide biosynthetic process (GO:0043043)	128	62	12.56	4.94	4.30E-18
(GO:0032269)	31	14	3.04	4.6	2.39E-02
negative regulation of protein metabolic process (GO:0051248)	34	15	3.34	4.5	1.51E-02
negative regulation of gene expression (GO:0010629)	43	18	4.22	4.27	3.72E-03
peptide metabolic process (GO:0006518)	154	63	15.11	4.17	1.83E-15
amide biosynthetic process (GO:0043604)	164	64	16.09	3.98	6.43E-15
regulation of cellular amide metabolic process (GO:0034248)	58	22	5.69	3.87	1.14E-03
regulation of translation (GO:0006417)	57	21	5.59	3.75	2.95E-03
(GO:2000112)	58	21	5.69	3.69	3.69E-03
ribosome biogenesis (GO:0042254)	107	38	10.5	3.62	5.34E-07
ribonucleoprotein complex biogenesis (GO:0022613)	108	38	10.6	3.59	6.64E-07
post-transcriptional regulation of gene expression (GO:0010608)	63	21	6.18	3.4	1.06E-02
protein-containing complex assembly (GO:0065003)	121	40	11.87	3.37	1.04E-06
protein-containing complex organization (GO:0043933)	128	42	12.56	3.34	4.62E-07
organelle organization (GO:0006996)	126	40	12.36	3.24	2.75E-06

cellular amide metabolic process (GO:0043603)	217	66	21.29	3.1	4.85E-11
regulation of cellular protein metabolic process (GO:0032268)	71	21	6.97	3.01	4.71E-02
regulation of protein metabolic process (GO:0051246)	78	23	7.65	3	2.11E-02
(GO:0010558)	153	37	15.01	2.46	3.91E-03
(GO:0031327)	154	37	15.11	2.45	6.93E-03
negative regulation of biosynthetic process (GO:0009890)	154	37	15.11	2.45	6.93E-03
negative regulation of metabolic process (GO:0009892)	191	45	18.74	2.4	5.98E-04
cellular macromolecule biosynthetic process (GO:0034645)	285	67	27.97	2.4	7.56E-07
(GO:0010605)	187	43	18.35	2.34	2.48E-03
(GO:0051172)	172	39	16.88	2.31	1.10E-02
negative regulation of biological process (GO:0048519)	235	53	23.06	2.3	1.98E-04
negative regulation of cellular metabolic process (GO:0031324)	173	39	16.98	2.3	1.16E-02
cellular protein metabolic process (GO:0044267)	307	69	30.13	2.29	2.59E-06
cellular component assembly (GO:0022607)	219	48	21.49	2.23	1.57E-03
negative regulation of cellular process (GO:0048523)	216	47	21.2	2.22	2.41E-03
gene expression (GO:0010467)	393	84	38.57	2.18	2.12E-07
macromolecule biosynthetic process (GO:0009059)	443	84	43.47	1.93	4.41E-05
protein metabolic process (GO:0019538)	419	78	41.12	1.9	3.30E-04
cellular nitrogen compound biosynthetic process (GO:0044271)	509	94	49.95	1.88	1.33E-05
Unclassified (UNCLASSIFIED)	987	140	96.86	1.45	0.00E+00
biological_process (GO:0008150)	3405	291	334.14	0.87	7.97E-03
cellular process (GO:0009987)	3004	235	294.79	0.8	1.19E-05
small molecule metabolic process (GO:0044281)	876	35	85.96	0.41	1.23E-07
localization (GO:0051179)	775	30	76.05	0.39	8.39E-07
cellular catabolic process (GO:0044248)	382	14	37.49	0.37	2.24E-02
establishment of localization (GO:0051234)	721	26	70.75	0.37	5.95E-07
carbohydrate metabolic process (GO:0005975)	389	14	38.17	0.37	1.66E-02
transport (GO:0006810)	712	25	69.87	0.36	4.56E-07
catabolic process (GO:0009056)	502	16	49.26	0.32	5.73E-05
ion transport (GO:0006811)	383	12	37.58	0.32	2.36E-03
organic substance transport (GO:0071702)	485	15	47.59	0.32	5.71E-05
organic substance catabolic process (GO:1901575)	487	15	47.79	0.31	5.80E-05
transmembrane transport (GO:0055085)	596	18	58.49	0.31	5.75E-07

carboxylic acid metabolic process (GO:0019752)	507	15	49.75	0.3	1.44E-05
nitrogen compound transport (GO:0071705)	281	8	27.58	0.29	3.07E-02
oxoacid metabolic process (GO:0043436)	531	15	52.11	0.29	2.40E-06
organic acid metabolic process (GO:0006082)	545	15	53.48	0.28	7.96E-07
anion transport (GO:0006820)	193	2	18.94	0.11	4.58E-03
Molecular functions	<i>Escherichia coli</i> - Reflist (4392)	Gene list (427)	Expected	Fold Enrichment	P-value
structural constituent of ribosome (GO:0003735)	58	53	5.69	9.31	1.77E-24
large ribosomal subunit rRNA binding (GO:0070180)	10	9	0.98	9.17	1.27E-02
structural molecule activity (GO:0005198)	72	55	7.07	7.78	7.99E-23
rRNA binding (GO:0019843)	60	43	5.89	7.3	1.37E-16
mRNA binding (GO:0003729)	23	12	2.26	5.32	2.56E-02
RNA binding (GO:0003723)	183	65	17.96	3.62	1.30E-13
Unclassified (UNCLASSIFIED)	1102	168	108.14	1.55	0.00E+00
nucleic acid binding (GO:0003676)	706	107	69.28	1.54E+00	9.71E-03
molecular_function (GO:0003674)	3290	263	322.86	8.10E-01	1.78E-06
ion binding (GO:0043167)	1338	58	131.3	4.40E-01	2.88E-12
catalytic activity (GO:0003824)	2035	86	199.7	4.30E-01	7.17E-25
hydrolase activity (GO:0016787)	672	24	65.95	3.60E-01	1.58E-06
transferase activity (GO:0016740)	645	23	63.3	3.60E-01	4.73E-06
carbohydrate derivative binding (GO:0097367)	581	19	57.02	3.30E-01	5.66E-06
small molecule binding (GO:0036094)	827	26	81.16	3.20E-01	2.22E-10
purine ribonucleotide binding (GO:0032555)	515	15	50.54	3.00E-01	5.64E-06
purine nucleotide binding (GO:0017076)	516	15	50.64	3.00E-01	5.71E-06
ribonucleotide binding (GO:0032553)	553	16	54.27	2.90E-01	9.51E-07
active transmembrane transporter activity (GO:0022804)	277	8	27.18	2.90E-01	3.52E-02
nucleotide binding (GO:0000166)	713	20	69.97	2.90E-01	8.10E-10
nucleoside phosphate binding (GO:1901265)	713	20	69.97	2.90E-01	8.10E-10
anion binding (GO:0043168)	733	20	71.93	2.80E-01	1.71E-10
transporter activity (GO:0005215)	567	15	55.64	2.70E-01	9.92E-08
transmembrane transporter activity (GO:0022857)	559	14	54.86	2.60E-01	4.38E-08
adenyl ribonucleotide binding (GO:0032559)	449	11	44.06	2.50E-01	4.46E-06
adenyl nucleotide binding (GO:0030554)	450	11	44.16	2.50E-01	4.50E-06
ATP binding (GO:0005524)	443	10	43.47	2.30E-01	1.90E-06

purine ribonucleoside triphosphate binding (GO:0035639)	490	11	48.09	2.30E-01	1.50E-07
pyrophosphatase activity (GO:0016462)	185	3	18.15	1.70E-01	3.55E-02
ATP-dependent activity (GO:0140657)	190	2	18.65	1.10E-01	3.52E-03
Cellular component	<i>Escherichia coli</i> - Reflist (4392)	Gene list (427)	Expected	Fold Enrichment	P-value
cytosolic small ribosomal subunit (GO:0022627)	25	23	2.45	9.38E+00	2.28E-10
small ribosomal subunit (GO:0015935)	25	23	2.45	9.38E+00	2.28E-10
cytosolic ribosome (GO:0022626)	60	55	5.89	9.34E+00	2.31E-26
ribosomal subunit (GO:0044391)	59	54	5.79	9.33E+00	7.90E-26
cytosolic large ribosomal subunit (GO:0022625)	34	31	3.34	9.29E+00	3.03E-14
large ribosomal subunit (GO:0015934)	34	31	3.34	9.29E+00	3.03E-14
ribonucleoprotein complex (GO:1990904)	61	55	5.99	9.19E+00	4.05E-26
ribosome (GO:0005840)	64	56	6.28	8.92E+00	3.56E-26
intracellular non-membrane-bounded organelle (GO:0043232)	102	61	10.01	6.09E+00	2.85E-22
intracellular organelle (GO:0043229)	109	62	10.7	5.80E+00	8.52E-22
non-membrane-bounded organelle (GO:0043228)	129	61	12.66	4.82E+00	2.97E-18
organelle (GO:0043226)	136	62	13.35	4.65E+00	5.99E-18
cytosol (GO:0005829)	1063	160	104.32	1.53E+00	2.09E-06
intracellular anatomical structure (GO:0005622)	1467	187	143.96	1.30E+00	5.77E-03
cytoplasm (GO:0005737)	1434	181	140.72	1.29E+00	1.61E-02
Unclassified (UNCLASSIFIED)	1423	151	139.64	1.08E+00	0.00E+00
membrane (GO:0016020)	1455	101	142.78	7.10E-01	4.32E-03
cell periphery (GO:0071944)	1352	84	132.68	6.30E-01	6.50E-05
plasma membrane (GO:0005886)	1241	73	121.78	6.00E-01	3.01E-05
intrinsic component of membrane (GO:0031224)	1140	67	111.87	6.00E-01	1.22E-04
integral component of membrane (GO:0016021)	1111	62	109.03	5.70E-01	2.01E-05
integral component of plasma membrane (GO:0005887)	590	29	57.9	5.00E-01	4.16E-03
intrinsic component of plasma membrane (GO:0031226)	606	29	59.47	4.90E-01	1.83E-03
transmembrane transporter complex (GO:1902495)	164	3	16.09	1.90E-01	3.55E-02
transporter complex (GO:1990351)	168	3	16.49	1.80E-01	2.43E-02

0.357142857			
0.003007484	0.250515464	4	<i>hisI</i>
0.404761905			
0.008230453	0.22541744	2	<i>preA</i>
0.5			
7.71E-04	0.199180328	4	<i>tdcC</i>
0.426470588			
0.033516442	0.229461756	13	<i>tdcB</i>
0.230769231			
0.03411876	0.273957159	7	<i>cysS</i>
0.244360902			
0.003577729	0.19239905	3	<i>queA</i>
0.428571429			
0	0.197721725	1	<i>pgI</i>
0			
0.008935764	0.246200608	6	<i>gnd</i>
0.355072464			
0	0.186923077	2	<i>tdcA</i>
0.653846154			
4.39E-04	0.19724026	4	<i>cpxA</i>
0.01343602	0.273957159	15	<i>murF</i>
0.255284553			
0.01467319	0.270300334	11	<i>murE</i>
0.313397129			
0.026035825	0.284543326	13	<i>rsmH</i>
0.216524217			
7.23E-04	0.209663503	5	<i>hemY</i>
0.5			
0.005011509	0.263843648	3	<i>add</i>
0.385416667			
0	0	0	<i>yggW</i>
0			
0.005343512	0.195809831	8	<i>dmsC</i>
0	0	0	<i>yebC</i>
0			
0.006647976	0.219314079	4	<i>hemX</i>
0	0	0	<i>ansB</i>
0			
2.83E-05	0.205583756	3	<i>tsx</i>
0.533333333			
0.00280203	0.208583691	2	<i>glpX</i>
0.5			
0.026574041	0.200164745	9	<i>dmsA</i>
0.452380952			
7.06E-04	0.209663503	5	<i>hemC</i>
0.54			
0.011097117	0.236842105	3	<i>lysA</i>
0.333333333			
0	0	0	<i>rihA</i>
0			
0	0.200660611	1	<i>rarA</i>
0			
0	0	0	<i>tldD</i>
0			
5.84E-04	0.204717776	7	<i>nuoN</i>
0.571428571			
0.016392885	0.194555645	4	<i>garK</i>
0.428571429			
5.84E-04	0.204717776	7	<i>nuoM</i>
0.571428571			
0	0.163087248	2	<i>garR</i>
0.75			
5.84E-04	0.204717776	7	<i>nuoL</i>
5.84E-04	0.204717776	7	<i>nuoK</i>
0.571428571			
0	0.163087248	2	<i>garL</i>
0.75			
0	1	3	<i>rppH</i>
1			
0	0.2211101	2	<i>yhdE</i>
0.769230769			
0	1	1	<i>lnt</i>
0			
0.033050271	0.233653846	7	<i>ribD</i>
0.181818182			
0.123935638	0.323568575	27	<i>fsZ</i>
0.008633858	0.278350515	14	<i>fsA</i>
0.232142857			
1.02E-04	0.260450161	9	<i>ddlB</i>
0.382716049			
0.001166095	0.264417845	10	<i>murC</i>
0.351351351			
0.003394621	0.270300334	13	<i>murG</i>
0.298076923			
0	0.207161125	1	<i>thiI</i>
0			
0	0.139175258	3	<i>hypB</i>
0.733333333			
0	0.13869863	1	<i>ubiF</i>
0			

0	0.139175258	3	<i>hypD</i>
0	1	1	<i>ybeZ</i>
0	1	1	<i>flgF</i>
0.029347547	0.236381323	8	<i>accC</i>
0.291666667			
1.50E-04	0.250515464	5	<i>tyrS</i>
0.472727273			
0	0	0	<i>yigA</i>
0	0	0	<i>ynjE</i>
0			
0.012023914	0.270601336	5	<i>hslV</i>
0.251851852			
0.066268178	0.284876905	13	<i>ftsN</i>
0.14439946			
0.00157814	0.255252101	7	<i>mreC</i>
0.398268398			
0.017430997	0.283216783	13	<i>mreB</i>
0.218623482			
0.066955408	0.235237173	9	<i>nuoF</i>
0.385620915			
0	1	1	<i>flgB</i>
0.008230453	0.174946004	2	<i>gldA</i>
0.5			
0	0	0	<i>rhlE</i>
0			
0	0	0	<i>ybiH</i>
0			
0	0	0	<i>tnaA</i>
0			
0.003037868	0.20894239	3	<i>gdhA</i>
0.41025641			
0.010855519	0.246700508	4	<i>damX</i>
0.3125			
0.010162349	0.237073171	3	<i>aroB</i>
0.380952381			
0	0.139175258	3	<i>hypE</i>
0.733333333			
0	0.123664122	1	<i>treC</i>
0			
0.034086602	0.243486974	4	<i>katG</i>
0.291666667			
0	0	0	<i>ydhF</i>
0			
0.034695237	0.293478261	14	<i>dnaN</i>
0.17364532			
0	0.231428571	2	<i>mutS</i>
0.657894737			
0.016392885	0.163857047	2	<i>nagE</i>
0.068069577	0.302615193	15	<i>dnaA</i>
0.164179104			
0	0	0	<i>melA</i>
0			
0.005320681	0.22293578	8	<i>tdcG</i>
0.326086957			
0	0	0	<i>yfbT</i>
0			
0.004212858	0.246200608	3	<i>gph</i>
0.37037037			
5.38E-04	0.22752809	3	<i>mpl</i>
0.5			
0.039558414	0.266155531	11	<i>pta</i>
0.230958231			
0	1	3	<i>rne</i>
0.015879865	0.257688229	8	<i>ppc</i>
0.279166667			
0.03441743	0.255252101	6	<i>pgm</i>
0.23655914			
7.59E-04	0.206808511	2	<i>ispF</i>
0.5			
0	0.177113703	2	<i>marB</i>
0.039441605	0.190737834	3	<i>tatB</i>
0.004098221	0.214854111	4	<i>marA</i>
0.057527955	0.289976134	8	<i>guaB</i>
0.158536585			
0.004098221	0.214854111	4	<i>marR</i>
0.383333333			
0.00118627	0.253653445	6	<i>holB</i>
0.385416667			
0	0	0	<i>yhbS</i>
0			
0	0	0	<i>yejM</i>
0			
0	1	1	<i>ygiB</i>
0	1	1	<i>ygiC</i>
0			
0.031826563	0.286219081	8	<i>gapA</i>
0.230263158			
0.024555317	0.160927152	4	<i>ubiI</i>
0.375			
0	0	0	<i>yraP</i>
0			

0.008230453	0.141033082	2	<i>treB</i>
0.5			
0.008230453	0.241071429	2	<i>parE</i>
0.5			
0	0.232535885	1	<i>hupA</i>
0			
0	0.1944	1	<i>cpdA</i>
0			
0	0	0	<i>dcd</i>
0			
0	0.186206897	1	<i>fumB</i>
0			
0	0.1867794	1	<i>ridA</i>
0			
3.91E-05	0.205063291	5	<i>fabD</i>
0.618181818			
0	0.666666667	1	<i>nfsB</i>
0			
0.012172558	0.275822928	8	<i>rodZ</i>
0.037135271	0.244221106	8	<i>cysE</i>
0.259259259			
0.026258222	0.248212462	5	<i>gpsA</i>
0.215384615			
0	1	1	<i>ygeX</i>
0			
0.008849553	0.231870229	5	<i>holC</i>
0.410526316			
0.024487297	0.161354582	5	<i>hybD</i>
0.475			
0.008696642	0.257415254	5	<i>nusA</i>
0.242424242			
0.008298473	0.197080292	4	<i>oxyR</i>
0.45			
0.016772485	0.191188041	5	<i>hybB</i>
0.016772485	0.191188041	5	<i>hybA</i>
0.028010833	0.266739846	8	<i>bamB</i>
0.1875			
0.030806614	0.278032037	10	<i>hisS</i>
0.1925			
4.88E-05	0.209482759	2	<i>prfC</i>
0.7			
0.013003714	0.252336449	2	<i>hscA</i>
0.5			
9.50E-04	0.23661149	3	<i>guaC</i>
0.454545455			
0	0.171489061	1	<i>kbl</i>
0			
0.032251035	0.253918495	5	<i>acrA</i>
0	0.202668891	1	<i>acrB</i>
0			
0	0.261290323	2	<i>efp</i>
0.58			
0	0.206281834	5	<i>serB</i>
0.494117647			
0.068579569	0.268211921	10	<i>pflB</i>
0.214285714			
0.02487348	0.240118577	5	<i>gpmM</i>
0.37			
0.032472082	0.257961783	3	<i>atpG</i>
0.333333333			
0.00564815	0.205236486	3	<i>pepB</i>
0.466666667			
0.002608789	0.194711538	3	<i>pepA</i>
0.416666667			
0	0	0	<i>yjiJ</i>
0			
0.006831303	0.212598425	5	<i>lptG</i>
0.44			
0	0.18984375	2	<i>hldE</i>
0.666666667			
0.168791933	0.333333333	15	<i>groL</i>
0.114056225			
0.00108938	0.274886878	4	<i>groS</i>
0.013971354	0.246700508	7	<i>glmM</i>
0.487012987			
0	0	0	<i>cca</i>
0			
0	1	1	<i>ygiM</i>
0			
0.016649421	0.241550696	8	<i>aceF</i>
0.284482759			
0	0	0	<i>frmA</i>
0			
0.00853696	0.250773994	7	<i>recR</i>
3.58E-04	0.231208373	2	<i>dsbA</i>
0.533333333			
0	0.221917808	6	<i>malM</i>
0.006304974	0.263271939	10	<i>murA</i>
0.328947368			
0.005979191	0.25498426	8	<i>recJ</i>
0.246621622			
0.006139801	0.253388947	4	<i>nusG</i>
0.020063594	0.24251497	11	<i>lamB</i>

0.269592476			
0.00895673	0.21793722	4	<i>trmJ</i>
0.325			
0.002484385	0.197560976	3	<i>gor</i>
0.476190476			
0	0.255520505	4	<i>zipA</i>
0.478571429			
0.003392733	0.2211101	3	<i>suhB</i>
0.4			
0.005097777	0.23776908	2	<i>ispE</i>
0.5			
8.50E-06	0.20385906	3	<i>hemN</i>
0.666666667			
0.001807065	0.228813559	2	<i>slt</i>
0.5			
0.057813585	0.262702703	3	<i>ampC</i>
0.345238095			
0	0.20610687	1	<i>ettA</i>
0			
0.060850817	0.228598307	9	<i>frdC</i>
0.011188845	0.26880531	7	<i>obgE</i>
0.003946302	0.229245283	8	<i>malF</i>
0.388157895			
0.003946302	0.229245283	8	<i>malG</i>
0.388157895			
0.001823116	0.204717776	3	<i>ytjC</i>
0.487179487			
0.003946302	0.229245283	8	<i>malK</i>
0.388157895			
0.033360482	0.30489335	13	<i>dnaG</i>
0.180252583			
0.012528782	0.275198188	4	<i>tufB</i>
0.291666667			
0.010237599	0.255789474	7	<i>prfB</i>
0.236607143			
0.038855661	0.267032967	9	<i>malE</i>
0.00952317	0.268211921	11	<i>dnaX</i>
0.247357294			
0.00465942	0.217741935	5	<i>hemB</i>
0.008837527	0.214854111	4	<i>kdsA</i>
0.339285714			
0	0	0	<i>cueR</i>
0.015424083	0.224791859	7	<i>thrB</i>
0.301587302			
0.001883094	0.224584104	4	<i>prmC</i>
0.397058824			
0.026777335	0.255520505	9	<i>prfA</i>
0.218390805			
0.008489953	0.257142857	6	<i>amiB</i>
0.252525253			
8.50E-05	0.213908451	4	<i>ldtD</i>
0.037088889	0.245951417	8	<i>hemE</i>
0.232954545			
0	0.156976744	1	<i>mog</i>
0			
0	0.197560976	1	<i>nfi</i>
0			
0.007581427	0.246450304	4	<i>rsgA</i>
0.315217391			
0.002553642	0.221917808	2	<i>psd</i>
0.020784151	0.235009671	5	<i>plsB</i>
0.271428571			
0.001501211	0.265283843	6	<i>lexA</i>
0.315972222			
0.012693211	0.212971078	4	<i>kdsD</i>
0.288461538			
0.004629464	0.261009667	5	<i>lpoB</i>
0.034607536	0.261009667	6	<i>truA</i>
0.166666667			
0.0060173	0.224584104	3	<i>usg</i>
0.333333333			
0	0.181750187	1	<i>panB</i>
0			
0.054094186	0.240356083	8	<i>ptsG</i>
0.237068966			
6.60E-04	0.198205546	3	<i>tesA</i>
0.566666667			
0.001157519	0.250773994	6	<i>ssb</i>
0	0	0	<i>ftnA</i>
0			
0	0	0	<i>yfeX</i>
0			
0	0.255789474	2	<i>hslO</i>
4.29E-04	0.211488251	6	<i>sdaB</i>
0.421052632			
0	0	0	<i>dps</i>
0			
0	0	0	<i>yicG</i>
0			
4.39E-04	0.19724026	4	<i>envZ</i>
3.68E-05	0.19724026	4	<i>ompR</i>
0.517857143			
0.023369376	0.244221106	8	<i>accD</i>

0.298913043			
0	0	0	<i>qorA</i>
0			
0.00860945	0.255520505	6	<i>miaA</i>
0.275641026			
0.003241634	0.242031873	6	<i>hflK</i>
0.014633819	0.259338314	8	<i>hflX</i>
0.019663418	0.273648649	7	<i>hflC</i>
0.032656202	0.244221106	12	<i>ompF</i>
0.166666667			
0.002726033	0.22541744	2	<i>ybbN</i>
0.5			
0.014704552	0.267916207	11	<i>mutL</i>
0.237762238			
0.043482151	0.270601336	9	<i>mrcB</i>
0.189701897			
0	0	0	<i>hns</i>
0	0.221917808	6	<i>malT</i>
0.555555556			
0.016263937	0.279310345	10	<i>ileS</i>
0.216666667			
0.008230453	0.213720317	3	<i>ldtC</i>
0.481481481			
0	1	3	<i>pcnB</i>
1			
0.008230453	0.186064319	2	<i>moeA</i>
0.001425821	0.230769231	3	<i>pdxI</i>
0.416666667			
0.001715774	0.205236486	6	<i>fabB</i>
0.545454545			
0.005729782	0.265283843	5	<i>era</i>
0.303030303			
0.051841952	0.306431274	14	<i>lepA</i>
0.146825397			
0.013599797	0.233653846	6	<i>malQ</i>
0.427083333			
0	0.197560976	1	<i>gpp</i>
0			
0	0.21334504	2	<i>ldtB</i>
0.722222222			
0.014597646	0.221917808	6	<i>ilvE</i>
0.310606061			
0.012411043	0.245951417	4	<i>spoT</i>
0.008834325	0.250515464	4	<i>rlmB</i>
0.333333333			
0	0.208583691	2	<i>glgA</i>
0.6			
0.004597088	0.217741935	5	<i>hemL</i>
0.428571429			
0	0	0	<i>tsaB</i>
0			
0	1	3	<i>dppD</i>
1			
0	0	0	<i>yedD</i>
0	1	3	<i>dppC</i>
1			
0	1	3	<i>dppB</i>
1			
0	1	3	<i>srmB</i>
1			
0.090089629	0.31640625	20	<i>recA</i>
0.018379645	0.231870229	9	<i>ompC</i>
0.226495726			
0.017447363	0.211488251	4	<i>glpD</i>
0.3			
0.006427401	0.21677074	6	<i>fabA</i>
0.416666667			
0.052648886	0.227954972	4	<i>fdhF</i>
0.329545455			
0	0	0	<i>yecS</i>
0			
0	0.203688181	1	<i>prmB</i>
0			
0	1	3	<i>dppF</i>
1			
0	0	0	<i>rthC</i>
0			
0	0.148988351	1	<i>mgsA</i>
0.010697365	0.206808511	5	<i>gcvP</i>
0.261538462			
0.003838608	0.213532513	4	<i>gcvH</i>
0.316666667			
0	0.138777841	2	<i>ubiI</i>
0.75			
0	0.138777841	2	<i>ubiH</i>
0.75			
0	0.21677074	2	<i>hflD</i>
0.8125			

0.583333333			
0	0.248677249	4	<i>leuC</i>
0.583333333			
6.94E-04	0.286585366	4	<i>purE</i>
0.477272727			
0	0.219626168	1	<i>srlM</i>
0.042553191	0.279761905	2	<i>srlQ</i>
0.5			
0	0.140794224	1	<i>acpT</i>
0			
0.642857143	0.875	6	<i>nikB</i>
0.444444444			
0.047619048	0.636363636	4	<i>nikC</i>
0.625			
0	0.583333333	3	<i>nikD</i>
0.722222222			
0	1	1	<i>selB</i>
0			
0	1	1	<i>selA</i>
0			
0	0	0	<i>rhsA</i>
0			
0.038852914	0.286585366	4	<i>hisD</i>
0.454545455			
0	0	0	<i>yhhS</i>
0	1	1	<i>ypdE</i>
0			
0	1	1	<i>ypdF</i>
0			
0	0	0	<i>yggW</i>
0			
0	0	0	<i>lplT</i>
0	0.666666667	1	<i>bioA</i>
0			
0	0.5	4	<i>hycG</i>
0.791666667			
0	0	0	<i>yhil</i>
0	0.4	1	<i>yeiE</i>
0			
0	0	0	<i>yhdE</i>
0			
0	0.194029851	1	<i>astD</i>
0			
0	0	0	<i>norW</i>
0			
0.125	0.642857143	4	<i>hypF</i>
1	1	2	<i>bioC</i>
0			
0	0.583333333	3	<i>nikE</i>
0.722222222			
0	0	0	<i>rhsB</i>
0			
0	0	0	<i>qorB</i>
0			
0	0.5	4	<i>hycB</i>
0.02004317	0.281437126	6	<i>uvrD</i>
0.458333333			
3.08E-04	0.247368421	2	<i>priA</i>
0.666666667			
0	0	0	<i>ynjA</i>
0			
0	1	1	<i>flgF</i>
0	0	0	<i>rsmJ</i>
0			
0	0	0	<i>yhfS</i>
0			
0.002469136	1	10	<i>phnF</i>
0.98			
0	1	2	<i>glcE</i>
1			
0	1	2	<i>glcF</i>
0	0	0	<i>yigA</i>
0.305555556	0.692307692	6	<i>hycE</i>
0.541666667			
0	0.909090909	9	<i>phnC</i>
1			
0.125	0.642857143	5	<i>hycD</i>
0.575			
0	0.5	4	<i>hycC</i>
0.200740056	0.231527094	5	<i>ftsN</i>
0.3			
0	1	1	<i>kbaZ</i>
0			
0.002469136	1	10	<i>phnG</i>
0.98			
0.002469136	1	10	<i>phnH</i>
0.98			
0	0	0	<i>gldA</i>
0			
0	0	0	<i>ygbK</i>
0			
0	0.235	2	<i>metR</i>
0.010329941	0.246073298	3	<i>metE</i>
0.481481481			
0	1	1	<i>dgoA</i>
0			

0	0	0	<i>qseB</i>
0			
0.305555556	0.692307692	5	<i>hypE</i>
0.511111111			
0.066604995	0.288343558	4	<i>metL</i>
0.35			
0.022047487	0.279761905	8	<i>recQ</i>
0.423076923			
0	0.259668508	2	<i>mutS</i>
0.65			
0.140918902	0.303225806	6	<i>dnaA</i>
0.363636364			
0	0	0	<i>yhaM</i>
0			
0	0.666666667	1	<i>rtcA</i>
0			
0	1	1	<i>flgJ</i>
0			
0	0.210810811	1	<i>ppc</i>
0			
6.94E-04	0.230392157	4	<i>argB</i>
0.607142857			
0	1	2	<i>glcC</i>
1			
0	0	0	<i>yhbU</i>
0			
0	0.284848485	3	<i>purD</i>
0.545454545			
0	0	0	<i>yraQ</i>
0	1	1	<i>hojN</i>
0	1	1	<i>hojM</i>
0			
0.020814061	0.191056911	3	<i>mrcA</i>
0.555555556			
0	0	0	<i>yigZ</i>
0			
0.033288349	0.203125	5	<i>puuE</i>
0.4			
0	0.170305677	2	<i>puuB</i>
0.8			
0	1	1	<i>kdpD</i>
0			
0.020692758	0.196969697	3	<i>puuC</i>
0.583333333			
0	0.161512027	2	<i>pbpC</i>
1			
0	1	1	<i>kdpE</i>
0			
0	0.75	2	<i>amtB</i>
0.833333333			
6.94E-04	0.230392157	4	<i>argH</i>
0.607142857			
0.099865047	0.215469613	2	<i>fadA</i>
0.5			
0.091767881	0.189320388	5	<i>fepG</i>
0.48			
0	0.666666667	1	<i>hscA</i>
0			
0.001850139	0.259668508	3	<i>priC</i>
0.611111111			
0.051282051	0.163179916	5	<i>entF</i>
0.72			
0	1	1	<i>yjbE</i>
0	0.243523316	2	<i>serB</i>
0.611111111			
0	1	1	<i>yjbG</i>
0			
0.051282051	0.205263158	2	<i>ahr</i>
0.5			
0.666666667	0.8	3	<i>cysJ</i>
0.555555556			
0	0.220657277	1	<i>envC</i>
0			
0	1	1	<i>ygcN</i>
0			
0.666666667	1	3	<i>glnE</i>
0.666666667			
0	0.6	1	<i>ygiF</i>
0			
0	0.75	2	<i>glnG</i>
0	0	0	<i>ybdH</i>
0			
0	0	0	<i>cstA</i>
0	0.1625	4	<i>entA</i>
0.791666667			
0.04702436	0.321917808	7	<i>recR</i>
0	0	0	<i>insG</i>
0			
0	0.18875502	1	<i>zipA</i>
0			
0	0.1625	4	<i>entS</i>
0.537311132	0.385245902	6	<i>dnaX</i>
0.303030303			
0.091767881	0.189320388	5	<i>fepD</i>

0.48			
0	0	0	<i>ybbJ</i>
1	1	2	<i>cueR</i>
0	0.666666667	1	<i>copA</i>
0			
0.666666667	1	3	<i>thiF</i>
0.666666667			
0.004498426	0.202072539	4	<i>gabD</i>
0.454545455			
0.264569843	0.281437126	4	<i>amiB</i>
0.285714286			
0.070850202	0.1875	5	<i>fecC</i>
0.511111111			
0	0.75	2	<i>thiE</i>
0.833333333			
0.439496176	0.239263804	7	<i>gabT</i>
0.273809524			
0	0.571428571	2	<i>cysA</i>
0.833333333			
0	0.571428571	2	<i>cysW</i>
0.833333333			
0.042553191	0.236180905	2	<i>hemE</i>
0.5			
0	0	0	<i>chaC</i>
0			
0	0.148854962	1	<i>yihP</i>
0	0	0	<i>yphD</i>
0	0.191836735	1	<i>nfi</i>
0			
0.051282051	0.174107143	4	<i>yihQ</i>
0.5			
0.070850202	0.1875	5	<i>fecD</i>
0.511111111			
0	0.270114943	2	<i>nnr</i>
0.583333333			
0	0.75	2	<i>thiG</i>
0.833333333			
0	0.195	2	<i>lhgO</i>
0.785714286			
0	0	0	<i>yqjH</i>
0			
0	1	2	<i>b0259</i>
0	0.224137931	4	<i>eutK</i>
0.785714286			
0	0	0	<i>narJ</i>
0	0	0	<i>yhgF</i>
0			
0	1	1	<i>rhsD</i>
0			
0.020814061	0.191056911	3	<i>ampH</i>
0.555555556			
0	1	1	<i>ybbP</i>
0			
0.018655566	0.29375	3	<i>ssb</i>
0.188933873	0.205263158	6	<i>yihU</i>
0.361111111			
0	0.173333333	3	<i>yihV</i>
0.619047619			
0.5	0.666666667	2	<i>ssuD</i>
0.5			
0.003854456	0.246073298	3	<i>sdaB</i>
0.481481481			
0	0	0	<i>yhjE</i>
0.001079248	0.264044944	3	<i>ygdG</i>
0.555555556			
0	0.18875502	1	<i>dedD</i>
0	0.444444444	1	<i>ssuB</i>
0			
0.633132902	0.379032258	8	<i>purL</i>
0.196428571			
0	0.160493827	4	<i>fecR</i>
0.9			
0.083256244	0.206140351	3	<i>yihG</i>
0.444444444			
0	0.173333333	3	<i>yihT</i>
0.619047619			
0.393308665	0.345588235	10	<i>mutL</i>
0.3			
0	0.160493827	4	<i>fecA</i>
0.9			
0	0.160493827	4	<i>fecB</i>
0.9			
0	0.172161172	2	<i>yagF</i>
0.833333333			
0	0	0	<i>hrpB</i>
0			
0	0.172161172	2	<i>yagE</i>
0.833333333			
0.285714286	0.583333333	2	<i>yagA</i>
0.5			
0	1	2	<i>b0022</i>

0	0	0	<i>yaiC</i>
0			
0	1	2	<i>b0021</i>
0.325624422	0.315436242	8	<i>ilvA</i>
0.258333333			
1	1	2	<i>bcsC</i>
0			
0	0.6	1	<i>moeA</i>
0.565452092	0.265306122	4	<i>acs</i>
0.25			
0.056120876	0.330985915	8	<i>recG</i>
0.375			
0	0.666666667	1	<i>bcsB</i>
0	0.666666667	1	<i>fabB</i>
0			
0	0	0	<i>frvB</i>
0			
0	0.75	2	<i>napG</i>
0	0	0	<i>rhsC</i>
0			
0	0.666666667	1	<i>yjcE</i>
0.050607287	0.245283019	5	<i>eutC</i>
0.6			
0	1	1	<i>rutF</i>
0			
0	0	0	<i>glgA</i>
0			
0.080481036	0.290123457	6	<i>carB</i>
0.393939394			
0	0.207446809	2	<i>fhuB</i>
0.642857143			
0	0	0	<i>nepI</i>
0	0.538461538	2	<i>dppC</i>
0.75			
0.116059379	0.253246753	6	<i>eutG</i>
0.520833333			
0	1	2	<i>uhpT</i>
0	1	1	<i>rutD</i>
0			
0.504723347	0.276595745	4	<i>eutD</i>
0.5			
0	1	2	<i>uhpB</i>
1			
0.016194332	0.25	5	<i>eutT</i>
0	1	2	<i>uhpA</i>
1			
0.166666667	1	3	<i>nrfD</i>
0.166666667	1	3	<i>nrfC</i>
0.777777778			
0.066666667	0.6	3	<i>ulaD</i>
0.666666667			
0	0.75	2	<i>nrfE</i>
0.333333333	0.6	3	<i>ulaF</i>
0.583333333			
0.023809524	0.583333333	3	<i>dppF</i>
0.666666667			
0	0	0	<i>yecS</i>
0			
0.431174089	0.276595745	6	<i>eutA</i>
0	0.229268293	3	<i>argF</i>
0.666666667			
0.456140351	0.220338983	6	<i>fhuC</i>
0.320512821			
0	0.388888889	1	<i>yagI</i>
0			
0	0.5	1	<i>yagH</i>
0			
0.666666667	0.75	2	<i>yagG</i>
1	1	2	<i>kefC</i>
0			
0	0.666666667	1	<i>kefF</i>
0			
0	0	0	<i>putA</i>
0			
0	0	0	<i>hflD</i>
0			
0	0	0	<i>ubiH</i>
0			
0.666666667	0.75	2	<i>paoB</i>
0.5			
0	0	0	<i>yiaD</i>
0			
0	0	0	<i>emrD</i>
0			
0	0	0	<i>yidF</i>
0			
0	0	0	<i>aegA</i>
0			
0	0	0	<i>insK</i>
0			
0	0	0	<i>yfiF</i>
0			
0.122109158	0.252688172	5	<i>ilvB</i>

C) PPI network for down-regulated genes in gentamicin-resistant cells

Number of nodes	Number of edges	Average node degree	Average local clustering coefficient	Expected number of edges	PPI enrichment p-value	Betweenness Centrality	Closeness Centrality	Degree	Display name	Hub genes
432	2630	12.2	0.498	930	< 1.0e-16	0	0	0	paaB	rpsJ rplV rpsI rplM rpsK rpmA rplO rpsQ rpsF rpsO rpsD rplU rpsP rpsT rplE rplX rpsE rpsH rpsB
						0	0	0	skp	rplN rpsC rplB rplC rpsL rpsR rplQ rpsM rpsN rpmF rpoA rpmB rplR rplF rpsS rplI rpmJ rpmD
						0.01470548	0.218548387	3	ykgM	rplW rpmC rpsA rpsU rpml rplK rplA rplL rpmG rplY rplT rplJ rpmH secY rpmE tsf frr mpA priB smpB
						0.007380074	0.144379329	2	ecnB	ykgO rpoZ trmD ykgM hpf rmf rimM raia atfA yceD infA infC
						0	0.16035503	5	hicA	
						0.011739861	0.315116279	71	rpsJ	
						0	0	0	ythA	
						0.001491126	0.2873807	49	raiA	
						0	0	0	ynfO	
						0.019944848	0.290149893	51	hpf	
						0.720479303				
						0	0	0	yrhB	
						0	0.18175721	2	hokE	
						0	0	0	yfaE	
						0	0	0	ggt	
						0				
						0.020571946	0.241317898	4	yhbJ	
						0.25877193				
						9.48E-04	0.203912716	2	npr	
						0.5				
						0	1	1	yecJ	
						0.00128833	0.294245385	68	rplC	
						0	0	0	ykgL	
						0.028756133	0.271543086	56	frr	
						0.711309524				
						0.003101559	0.277096115	57	tsf	
						0	0	0	yciS	
						0	0	0	yedZ	
						0	0.224709784	5	rof	
						0.48				
						0	0.207503828	1	ribA	
						0				
						0	0.6	1	yeeT	
						0.015061304	0.229466554	8	ypfN	
						0	0	0	ypeB	
						0	0	0	bfd	
						0				
						0	0.6	1	yeeX	
						0	0.6	1	ypjJ	
						0	0	0	yehK	
						0	0.6	1	yciN	
						0				
						0.00874672	0.230638298	5	fabZ	
						0.246875				
						0.001398741	0.213217939	3	fabI	
						0.407407407				
						0	1	1	ymgA	
						2.08E-04	0.172063492	3	yibT	
						0	1	1	ypdI	
						0.004379127	0.226778243	7	yhhL	
						0.036463031	0.201486989	3	yifL	
						0.033991077	0.180426099	9	yefM	
						0.37254902				
						0	0	0	slyX	
						0				
						0	0.167801858	1	yhaL	
						0.009692802	0.169058016	2	ghoT	
						0	0.263875365	49	arfA	
						0.004873501	0.309360731	68	rpsL	
						0	0	0	yheV	
						0	1	1	ycgZ	
						0	0	0	csgC	
						0				
						0	0.194404591	1	osmB	
						0	0.219255663	3	yceO	
						0.009811757	0.171518987	3	ycgJ	
						0.004873501	0.309360731	68	rpsR	
						0.635620915				
						0	0.159693577	1	yshB	
						1.66E-04	0.269116187	54	priB	
						0	0	0	yeiS	
						0	0.666666667	1	fryB	
						0				
						0	0	0	yijZ	
						0.010260758	0.298129813	66	rplI	
						0.640383426				
						0.021427069	0.247262774	7	crp	
						0.255639098				
						0	0	0	ytiA	
						0	0	0	tdcR	
						0.017270244	0.233822261	6	yqcG	
						0.005927958	0.31006865	70	rpsI	
						0.007380074	0.1899089	2	yqfG	
						0.003803632	0.29845815	70	rplM	
						0.639880952				
						0.005499337	0.309714286	69	rpsF	
						0.628312107				
						0	1	1	cdd	
						0				
						0	0.170226131	1	minE	
						0	0	0	ymjA	
						0	0.126222636	1	yceK	
						0.037523002	0.216973579	3	hokA	
						0.016126579	0.234226448	6	yfeD	

0.272727273			
0	1	2	ytfK
0	0	0	yhfL
2.45E-04	0.220863896	2	yhfG
0	0	0	aaeX
0.03811306	0.216108453	4	grxB
0.367647059			
0	0.18767313	2	lpxC
0.8			
0	0.666666667	1	dinI
0			
0.024455183	0.218548387	3	bssS
0.018513343	0.273737374	8	nuoB
0.001500758	0.241532977	5	nuoA
0.307692308			
0	0.192334989	2	yqhlH
0.642857143			
0	0	0	ylcI
0	0	0	yjdM
0	0.177240026	2	uspA
0.75			
0	1	1	ycgY
0	0	0	ymgE
0.00414489	0.297475302	67	rpmF
0.001040908	0.273185484	48	yceD
0	0	0	dam
0			
0	0	0	ygiZ
0	0	0	yneM
0	1	1	ygiN
0			
0	0	0	ymgJ
0.045928093	0.204992436	8	ymgI
0	0	0	yhdU
0.015035478	0.179351423	3	yfbV
0.093009244	0.249539595	11	yciZ
0	0.138335886	1	mepS
0			
0	0.666666667	1	yciY
0	0.191926346	1	yceQ
0	0	0	pyrL
0	0.121907332	1	yjdJ
0			
0.007095661	0.230834753	7	yejG
0.007380074	0.195809249	2	hupA
0.5			
9.35E-04	0.292972973	64	rplY
0.690692204			
0	0	0	yqiB
0.011047724	0.175291074	3	yejL
0.444444444			
0.031289616	0.268849206	15	acpP
4.88E-06	0.248168498	8	rbfA
0.785			
0.015935507	0.241748439	4	glgS
0.277777778			
0.007380074	0.199411332	2	aspA
0.5			
0	0.6	1	yqiC
0.014732814	0.16044997	4	nlpI
0.375			
0.02175563	0.314385151	69	rpsO
0.593640073			
0	0	0	ccmD
0.002214219	0.296823658	66	rpmJ
0.003137252	0.297802198	68	rplQ
0.64966299			
0.043635597	0.300443459	67	rpoA
0.60358209			
0	1	1	yegR
0.031081824	0.314385151	69	rpsD
0.626409018			
0.047219862	0.270189432	11	groS
0.008048044	0.313657407	70	rpsK
0.004873501	0.309360731	68	rpsM
0.635620915			
0.004801413	0.234226448	2	ihfB
0.028675222	0.304152637	65	rpsA
0.614775324			
0.00493632	0.256385998	7	frdC
0.003803632	0.29845815	70	rpmA
0.005029696	0.308304892	65	rpsU
0.003231207	0.298129813	69	rplU
0	0	0	sfsB
0	0	0	yhbY
0			
0	0.175745785	1	mcbA
0	0	0	ycbK
0.00130775	0.2	2	ybiJ
0	0	0	ycaR
0	0	0	yjbJ
0			
0.007380074	0.172941927	3	ibaG
0	0.147523136	1	mlaB
0	0	0	yecH
0	1	1	yecR
0.007380074	0.179708223	2	ompX
0.5			
0	0	0	glnH
0			
0.058589565	0.279669763	8	hfq
0.221153846			
0	0.183604336	1	yjeT
0	0.20942813	2	yecF

0	0.1989721	2	<i>uvrY</i>
0.666666667			
0	0.208141321	1	<i>yqjC</i>
0.008866938	0.23402418	4	<i>bsmA</i>
0.043548262	0.257849667	10	<i>bssR</i>
0	1	1	<i>flüZ</i>
0.059585298	0.299116998	50	<i>rmf</i>
0	0	0	<i>yoaC</i>
0.057409956	0.278520041	12	<i>sdhC</i>
0	0	0	<i>yedF</i>
4.39E-04	0.225833333	5	<i>sucC</i>
0.470588235			
0.048502792	0.206554878	7	<i>grxA</i>
0.268907563			
0	0.177240026	2	<i>uspG</i>
0.75			
1	1	2	<i>tusE</i>
0.060189426	0.238556338	6	<i>ahpC</i>
0.246376812			
0	0.146486486	1	<i>yccX</i>
0			
0.026153657	0.245693563	9	<i>sdhD</i>
0.247863248			
0	0	0	<i>yoaB</i>
0			
0	0	0	<i>ydiT</i>
0	0	0	<i>ybjC</i>
0	0.666666667	1	<i>yccA</i>
0			
0	1	1	<i>mgrB</i>
0.009853097	0.239823009	5	<i>yobF</i>
0	0.20530303	1	<i>ybgE</i>
0.041079584	0.242831541	5	<i>cspC</i>
0.226666667			
0	0.666666667	1	<i>zapA</i>
0.063705268	0.263618677	11	<i>yodD</i>
0.006587698	0.223413026	3	<i>dsrB</i>
1.86E-06	0.253507951	23	<i>thrS</i>
0.861204013			
3.46E-04	0.268316832	46	<i>infC</i>
0.719833903			
0.001876563	0.293290043	65	<i>rpmI</i>
0.674441687			
0	0	0	<i>tatE</i>
0			
0.001067866	0.292972973	64	<i>rplT</i>
0.002392357	0.211388456	2	<i>yebW</i>
0.016259742	0.243049327	5	<i>yodC</i>
0	0	0	<i>cspH</i>
0.033989232	0.262342691	4	<i>yebV</i>
8.43E-05	0.199411332	2	<i>ihfA</i>
0.5			
0	0.228306655	2	<i>cspE</i>
0.590909091			
0.033017434	0.230246389	12	<i>holE</i>
0	1	1	<i>mdtJ</i>
0	0	0	<i>yobA</i>
0			
0	0	0	<i>ybeD</i>
0			
0.01407135	0.152247191	2	<i>ymcE</i>
0.099456024	0.275406504	8	<i>yqgB</i>
0	0.13085466	2	<i>cspG</i>
0.005926531	0.212216132	6	<i>ydgC</i>
1	1	2	<i>yebG</i>
0			
0	0.666666667	1	<i>yebF</i>
0.018527567	0.236062718	3	<i>yniA</i>
0.333333333			
0.08552118	0.262596899	9	<i>ydiZ</i>
0.01462955	0.255419416	7	<i>fumA</i>
0.275862069			
0	0.191114245	1	<i>ybeL</i>
0.05593091	0.249769585	9	<i>cedA</i>
0.245210728			
0.001494293	0.270729271	47	<i>infA</i>
0.060671388	0.258834766	11	<i>acrZ</i>
0.06258411	0.266208251	4	<i>cspD</i>
0.257936508			
0	0	0	<i>uidR</i>
0			
0	0.186510668	1	<i>chbB</i>
0			
0	0.218548387	1	<i>yqjC</i>
0	0	0	<i>yqgC</i>
0	0	0	<i>ppiB</i>
0			
0	0	0	<i>glfI</i>
0			
0	1	1	<i>safA</i>
0	0.149064906	2	<i>cyaY</i>
0.75			
2.19E-05	0.160735469	7	<i>hipB</i>
0.595238095			
6.66E-04	0.196234613	2	<i>cnu</i>
0	0	0	<i>ygdR</i>
0.010935532	0.213050314	4	<i>rciB</i>
6.54E-04	0.291084855	60	<i>rpmE</i>
0	0	0	<i>cutC</i>
0			
0	0	0	<i>moaD</i>
1.67E-04	0.267786561	52	<i>trmD</i>
0.764932127			

4.18E-04	0.267258383	50	<i>rimM</i>
0.005499337	0.309714286	69	<i>rpsP</i>
0.628312107			
9.35E-04	0.234429066	4	<i>cyoD</i>
0	0	0	<i>mliC</i>
0.007380074	0.186767746	2	<i>lsrG</i>
0.5			
0	0	0	<i>yggX</i>
0			
0.00116154	0.292340885	62	<i>rpmH</i>
0	0	0	<i>ybiA</i>
0			
9.96E-06	0.247714808	14	<i>mpA</i>
0.831766917			
0	0	0	<i>yneG</i>
0.022030887	0.168427595	3	<i>ydhl</i>
0	0.144225652	1	<i>slyA</i>
0			
0	0	0	<i>uxaB</i>
0			
0	0	0	<i>ygeI</i>
0	0	0	<i>ydhL</i>
0	0	0	<i>ybcW</i>
0.04170519	0.260076775	6	<i>sodB</i>
0.225490196			
0	0	0	<i>yfgG</i>
0.007380074	0.197810219	3	<i>yeaC</i>
0	0.138335886	1	<i>mepH</i>
1	1	2	<i>ftsB</i>
0.026958881	0.188063845	6	<i>grxD</i>
0.311111111			
0	1	1	<i>ygbE</i>
0.02219679	0.255178908	6	<i>marB</i>
0	1	1	<i>fldA</i>
0			
0.021667562	0.262596899	2	<i>marA</i>
0	1	1	<i>fur</i>
0			
0	0.163845224	1	<i>hupB</i>
0			
0	1	1	<i>flhD</i>
0			
0.003217911	0.208301307	5	<i>ycdA</i>
2.24E-05	0.269383698	54	<i>smpB</i>
0	1	1	<i>udp</i>
0			
0.019341885	0.246587807	3	<i>yahO</i>
0	0.666666667	1	<i>nlpD</i>
0	0	0	<i>yahM</i>
0	0.197665937	2	<i>msrB</i>
0	0.208782743	1	<i>ydeI</i>
0	0	0	<i>alpA</i>
0	0	0	<i>ybfA</i>
0	1	1	<i>ydhR</i>
0			
0.021654979	0.234429066	3	<i>pspF</i>
0.593137255			
0.010039133	0.261583012	4	<i>ndk</i>
0.305921053			
0	0	0	<i>ydlZ</i>
0	0	0	<i>mokB</i>
0	0.165243902	1	<i>mipA</i>
0	0	0	<i>ydfO</i>
0			
0.015091715	0.193019943	2	<i>pspB</i>
0	1	2	<i>ycdH</i>
0	0	0	<i>mntS</i>
0	0.16064019	6	<i>dinJ</i>
0	0	0	<i>yncJ</i>
0.007380074	0.130917874	3	<i>cspB</i>
0.5			
1	1	3	<i>yihD</i>
0			
0	0.23402418	2	<i>atpE</i>
2.19E-05	0.160735469	7	<i>yefQ</i>
0.595238095			
0	0.115811966	1	<i>essQ</i>
0	0.194683908	2	<i>lpp</i>
0	0	0	<i>ybaM</i>
0.067868724	0.268849206	12	<i>ydhZ</i>
0	0.188981869	1	<i>yoaG</i>
0.025634676	0.174951582	6	<i>iscU</i>
0	0	0	<i>yacG</i>
0.009685829	0.232817869	3	<i>yeaQ</i>
0	0	0	<i>lacA</i>
0			
0	0.666666667	1	<i>cspl</i>
1	1	2	<i>ynfN</i>
0	0	0	<i>yoaF</i>
0	0.177588467	2	<i>tomB</i>
0	0.170333124	2	<i>gnsB</i>
0	0	0	<i>yeaO</i>
0.001051983	0.186126374	4	<i>grxC</i>
0.416666667			
0	0	0	<i>queD</i>
0			
0	0	0	<i>rayT</i>
0			
1.37E-05	0.149146946	3	<i>iscX</i>
0.611111111			
0.051773596	0.212382445	7	<i>hha</i>
0.229813665			
0	0.199411332	3	<i>ybdJ</i>
0.059404034	0.262596899	10	<i>ychH</i>
0	1	1	<i>rbsD</i>
0			

0.001607387	0.205614568	2	<i>crr</i>
0.5			
0.001674193	0.210567211	3	<i>tpx</i>
0.533333333			
0	0.188850174	2	<i>ycxX</i>
0	0	0	<i>flsA</i>
0.007380074	0.138760881	2	<i>yafP</i>
0.5			
0.00959302	0.247714808	8	<i>ydiH</i>
0.01470548	0.160830861	7	<i>yafN</i>
0.032245464	0.176088369	9	<i>relE</i>
0.435897436			
0.043292711	0.276530612	19	<i>adk</i>
0.610411899			
0.026793152	0.18767313	3	<i>hokD</i>
0	0	0	<i>rem</i>
2.62E-04	0.151143335	3	<i>iscR</i>
0.619047619			
0.009478905	0.291084855	65	<i>rplK</i>
0.662684124			
0.003414116	0.2873807	65	<i>rplA</i>
0.688926458			
5.09E-04	0.286469345	63	<i>rplJ</i>
0.715343915			
0.006562821	0.296823658	65	<i>rplL</i>
0.028131782	0.229078614	5	<i>ptsH</i>
0.2			
0	0.186896552	2	<i>dicC</i>
0	0	0	<i>gpt</i>
0	0	0	<i>ybaB</i>
0.001434383	0.293926247	67	<i>rpmB</i>
0	0.202389843	4	<i>ycdD</i>
0	1	1	<i>yncH</i>
0.010856532	0.224709784	5	<i>ydfD</i>
0.003760048	0.191249118	4	<i>dicB</i>
0.036018931	0.215079365	4	<i>uspE</i>
0.321428571			
0.066118313	0.269116187	4	<i>ynaJ</i>
0.023511289	0.240461402	4	<i>ydfC</i>
0	0.1899089	1	<i>ybaQ</i>
0.043573111	0.263106796	5	<i>ydfB</i>
2.19E-05	0.160735469	7	<i>mazE</i>
0	1	1	<i>rbsB</i>
0			
0	0.218548387	1	<i>yphA</i>
0	0.666666667	1	<i>yehN</i>
0			
0	0.158017493	1	<i>yqaE</i>
1	1	3	<i>ykfF</i>
0			
0.001006571	0.293290043	65	<i>rpmG</i>
0.014732814	0.187543253	3	<i>chaB</i>
0.333333333			
0.010049609	0.224709784	5	<i>ydfA</i>
0.02264119	0.193848355	7	<i>ralR</i>
0.004920649	0.180666667	5	<i>ydaC</i>
0.001460699	0.235039029	6	<i>yaiY</i>
0.016571712	0.271	53	<i>rpoZ</i>
0.709433962			
0	1	1	<i>feoA</i>
0	0	0	<i>hinT</i>
0			
0	0	0	<i>ybbC</i>
0	0	0	<i>yaal</i>
0.01541767	0.201038576	6	<i>ynfB</i>
0	0.16635973	1	<i>panD</i>
0	0	0	<i>nrdH</i>
0			
0	0.163154726	1	<i>glnB</i>
0.007380074	0.194823868	2	<i>glrR</i>
0.5			
0	0.162470024	1	<i>dinQ</i>
0	1	1	<i>yiiE</i>
0.124402636	0.304152637	54	<i>ykgO</i>
0.019140523	0.21473851	3	<i>hms</i>
0	1	1	<i>mdtI</i>
0	0.208141321	1	<i>yaiA</i>
0			
0	0	0	<i>yddM</i>
0.044614268	0.228306655	9	<i>racR</i>
0.256038647			
0.007380074	0.237302977	2	<i>yaaY</i>
0	0	0	<i>asr</i>
0.001080651	0.236888112	3	<i>dksA</i>
0.04053151	0.235652174	5	<i>ydaG</i>
0.027278989	0.31006865	69	<i>rpsT</i>
0.005749804	0.221767594	3	<i>bhsA</i>
0	0	0	<i>ynfM</i>
0.005670717	0.192062367	6	<i>kilR</i>
0	1	1	<i>feoC</i>
0	0	0	<i>torI</i>
0	0	0	<i>ppiC</i>
0			
0	0	0	<i>yjbS</i>
0	0.157466589	1	<i>luxS</i>
0			
0	1	1	<i>yeiW</i>
0	0	0	<i>yhjR</i>
0	0.6	1	<i>ykfH</i>
0	1	1	<i>yiiF</i>
0.009530236	0.210077519	7	<i>racC</i>
0.002632424	0.222861842	4	<i>iraP</i>
0.032278523	0.255901794	7	<i>yaiZ</i>
0.004873501	0.309360731	68	<i>rpsN</i>

0	0.158017493	1	<i>ymdF</i>
0.012172734	0.301781737	69	<i>rplE</i>
0	0	0	<i>yciU</i>
0.019393018	0.17394095	3	<i>gnsA</i>
0.010023227	0.307256236	69	<i>rplX</i>
0.022847691	0.163056558	4	<i>erpA</i>
0.375			
0	0	0	<i>ynaK</i>
0.018488974	0.279381443	61	<i>secY</i>
0	0	0	<i>ybdD</i>
0.004773067	0.301111111	70	<i>rplO</i>
0.62755102			
0.00445129	0.223045267	5	<i>csrA</i>
0.285714286			
0.001052103	0.293607801	66	<i>rpmD</i>
0.685239492			
0.005295289	0.309714286	69	<i>rpsE</i>
0.62962963			
0.001114846	0.293926247	67	<i>rplR</i>
0.682233991			
0	0	0	<i>grcA</i>
0.001114846	0.293926247	67	<i>rplF</i>
0.007582013	0.313294798	69	<i>rpsH</i>
0.616587746			
0.02686406	0.258095238	6	<i>cydX</i>
0	0.198389458	1	<i>rcsB</i>
0			
0.001858967	0.197378004	4	<i>trxA</i>
0.475			
0	0	0	<i>rseA</i>
0.007380074	0.241103203	3	<i>osmC</i>
0	0.233218589	1	<i>bdm</i>
0.166483751	0.303811659	29	<i>sra</i>
0.001052103	0.293607801	66	<i>rplW</i>
0.02197622	0.22985581	3	<i>yciG</i>
0	0	0	<i>rzoR</i>
0.010159009	0.314385151	69	<i>rpsB</i>
0.615439805			
0.020816066	0.248395967	5	<i>icd</i>
0.286666667			
0.007380074	0.216973579	3	<i>blr</i>
0	0.152418448	1	<i>ompW</i>
0			
0	0	0	<i>ykgJ</i>
0.002581731	0.297802198	69	<i>rplN</i>
0.654614798			
0.006166341	0.211223694	2	<i>glgX</i>
0.5			
0	0.178406847	1	<i>ymgF</i>
0	0.236888112	1	<i>yfcZ</i>
0.015043829	0.318075117	70	<i>rpsQ</i>
0.002218962	0.296823658	66	<i>rpmC</i>
0	0	0	<i>yfiM</i>
0	0	0	<i>yjiY</i>
1	1	2	<i>yciX</i>
0	0.666666667	1	<i>ymiA</i>
0.007582013	0.313294798	69	<i>rpsC</i>
0.616587746			
0.026755236	0.150305047	4	<i>cspA</i>
0.012274995	0.304836895	71	<i>rplV</i>
0.00474611	0.309007982	67	<i>rpsS</i>
0.638022011			
4.41E-04	0.205614568	4	<i>ydaF</i>
0.003305415	0.195809249	5	<i>ydaE</i>
0.002581731	0.297802198	69	<i>rplB</i>
0.001063276	0.197234352	3	<i>trxC</i>
0.533333333			
0	0	0	<i>eutS</i>
0	1	2	<i>yaeH</i>
1			
0	0	0	<i>yagN</i>