

#Differential expression values between the L and S ecotype respectively

#Log fold change is reported as Log₂ values

#Gene systematic name	Gene trivial name	Log fold change	P-value
ecb_04165	sgcR	5.949844408	9.09E-16
ecb_04171	sgcX	4.511009483	2.24E-15
ecb_04172	yjhP	4.30011807	3.41E-15
ecb_04169	sgcC	5.244949112	4.30E-15
ecb_04173	yjhQ	3.862372947	4.30E-15
ecb_04177	nanM	4.581128709	5.30E-15
ecb_04168	sgcQ	4.19743948	7.56E-15
ecb_04176	nanS	5.178278249	8.39E-15
ecb_04175	yjhR	4.413332554	1.19E-14
ecb_03288	gntK	-3.180889998	6.27E-14
ecb_03269	malP	3.250659708	6.46E-14
ecb_01517	cspl	-8.310944974	1.28E-13
ecb_03222	frlB	3.705210398	8.06E-13
ecb_01518	ydfP	-3.712051494	2.87E-12
ecb_04166	sgcE	4.658503921	2.92E-12
ecb_03223	frlC	2.827558362	7.28E-12
ecb_03268	malQ	2.626606579	3.26E-11
ecb_03224	frlD	2.507682261	3.26E-11
ecb_01822	edd	-2.461674402	1.56E-10
ecb_01605	gstA	-1.108750663	7.19E-10
ecb_01949	wcaM	-2.729354114	9.65E-10
ecb_01953	wcaJ	-1.935457296	2.29E-09
ecb_02187	menE	1.370658809	3.54E-09
ecb_01821	eda	-1.286981716	4.53E-09
ecb_01950	wcaL	-1.948167971	5.45E-09
ecb_02188	menC	1.63559199	6.44E-09
ecb_01948	galF	-2.14057753	8.68E-09
ecb_03941	acs	-2.242247269	2.82E-08
ecb_04007	cutA	0.909011989	3.08E-08
ecb_01139	ycgZ	-1.826803208	4.27E-08
ecb_01952	wzxC	-2.669670362	4.27E-08
ecb_01951	wcaK	-2.063822383	6.30E-08
ecb_02215	alaA	1.076385207	4.40E-07
ecb_04005	yjdC	0.767346906	4.79E-07
ecb_01140	ymgA	-1.535332633	7.12E-07
ecb_03940	yjcH	-2.056601338	1.20E-06
ecb_03906	malE	2.744281028	2.09E-06
ecb_01988	yegZ	-1.131795386	2.84E-06
ecb_03908	lamB	2.801341282	3.78E-06
ecb_00146	ligT	0.746206726	4.24E-06
ecb_04191	uxuA	1.234509882	7.68E-06
ecb_00416	mscK	-0.763748232	8.94E-06
ecb_01580	fumC	-0.819223753	1.46E-05
ecb_04006	dipZ	0.930641875	1.62E-05
ecb_01954	cpsG	-1.036974114	2.40E-05
ecb_01074	flgG	-0.798513328	2.49E-05
ecb_01349	ydbK	-0.710703495	2.64E-05

ecb_00391	lon	0.769860706	2.67E-05
ecb_03909	malM	2.364916231	2.93E-05
ecb_01987	ogrK	-0.840307305	2.93E-05
ecb_01077	flgJ	-0.87361949	2.93E-05
ecb_01072	flgE	-0.815759894	3.28E-05
ecb_00681	sdhC	-0.839258673	3.50E-05
ecb_00539	nfsB	0.61727496	3.50E-05
ecb_01947	rfbB	-0.912753543	4.23E-05
ecb_02958	sstT	0.635042788	4.58E-05
ecb_03706	yigM	0.621452569	4.84E-05
ecb_02975	yhaK	0.533482206	5.24E-05
ecb_00971	rlmI	0.714717866	5.89E-05
ecb_00970	hspQ	0.507222201	6.11E-05
ecb_01141	ariR	-1.372902462	6.76E-05
ecb_01078	flgK	-0.787046368	7.14E-05
ecb_00683	sdhA	-0.802191398	8.93E-05
ecb_02909	ygiB	0.50892744	0.000108549
ecb_04219	yjiX	0.823432051	0.000112563
ecb_02910	ygiC	0.580705863	0.000112881
ecb_03939	actP	-1.944431137	0.000152502
ecb_01071	flgD	-0.807063101	0.000156742
ecb_01075	flgH	-0.893167158	0.000157252
ecb_00351	malZ	0.665924332	0.000160493
ecb_00682	sdhD	-0.800217729	0.000229589
ecb_01746	yeaC	-0.52755435	0.000274784
ecb_01850	flhA	-0.602203541	0.00027543
ecb_01354	ynbE	0.55308585	0.000364237
ecb_04190	gntP	1.014012432	0.000431815
ecb_01070	flgC	-0.75666507	0.000431815
ecb_03733	rfaH	0.603360886	0.000431815
ecb_00802	rimO	0.504151054	0.000464861
ecb_00684	sdhB	-0.794124746	0.000501736
ecb_00145	sfsA	0.50080934	0.000505998
ecb_01253	acnA	-0.429168705	0.000516028
ecb_01280	pspF	0.505202108	0.000565064
ecb_01069	flgB	-0.709108758	0.000594886
ecb_02111	yejG	-0.862071828	0.000602684
ecb_00680	gltA	-0.864509364	0.000629888
ecb_01065	murJ	0.58349283	0.000657352
ecb_01849	flhE	-0.657779721	0.000663596
ecb_01872	yecR	-0.613795573	0.000663596
ecb_01851	flhB	-0.631898471	0.000668834
ecb_03737	fadB	-0.690591772	0.000706981
ecb_01254	ribA	0.490179842	0.000750263
ecb_04192	uxuB	0.964119556	0.000764019
ecb_00909	ycaO	0.450138163	0.000872658
ecb_01068	flgA	-0.508319446	0.000913333
ecb_01625	mepH	0.424410149	0.000921384
ecb_03749	polA	0.417531014	0.000939885
ecb_03267	gntT	-1.001565436	0.001285077

ecb_01142	ymgC	-1.342906656	0.001328061
ecb_02216	yfbR	0.462914116	0.001417219
ecb_00768	ybiC	-0.524310896	0.001552568
ecb_01692	pfkB	0.600369161	0.001711886
ecb_01022	phoH	-0.651324259	0.001767819
ecb_00337	aroM	0.494409624	0.001801012
ecb_01498	ydfG	-0.443458064	0.001976617
ecb_00403	amtB	-0.573372394	0.0021099
ecb_04031	rsgA	0.339107436	0.002134546
ecb_01076	flgI	-0.938574027	0.002240161
ecb_03225	friR	0.546994329	0.002243894
ecb_01747	msrB	-0.526834837	0.002477026
ecb_01355	ydbL	0.467636859	0.002581003
ecb_04218	yjiA	0.788458906	0.002581003
ecb_03423	malS	0.884200392	0.002688691
ecb_00688	sucD	-0.481316397	0.002912526
ecb_01073	flgF	-0.95299189	0.002919209
ecb_01713	astE	-0.512200661	0.002976781
ecb_01180	yehH	-0.622672134	0.003168996
ecb_00059	djlA	0.370084361	0.003344253
ecb_00692	cydA	0.561916329	0.003396347
ecb_04258	deoA	0.362648557	0.003852538
ecb_00685	sucA	-0.393343237	0.003945501
ecb_00130	panD	0.364655339	0.004048896
ecb_00335	aroL	0.402433324	0.004221914
ecb_03133	tsaC	0.415540535	0.004386102
ecb_01717	astC	-0.708168194	0.004671136
ecb_01137	bluR	-0.620860871	0.004909377
ecb_03134	yrdD	0.341515304	0.005283995
ecb_02490	aroF	0.626969045	0.005780075
ecb_00365	thiL	0.484335784	0.006029947
ecb_00555	fepC	-0.498057527	0.006541011
ecb_01916	yeeE	0.85742358	0.00695773
ecb_00950	zapC	-0.402108087	0.007042928
ecb_01136	ycgX	-0.644855107	0.007731163
ecb_01208	purU	0.39589598	0.008148054
ecb_00385	yajG	0.32135574	0.008766193
ecb_02753	yggE	0.340443659	0.009277946
ecb_02591	rpoS	-0.394299865	0.009619248
ecb_02130	napB	0.34282403	0.009619248
ecb_01032	yedY	0.38729318	0.010285648
ecb_01066	flgN	-0.349747808	0.010411083
ecb_00217	lpcA	0.436410133	0.010494325
ecb_01673	aroH	0.378634788	0.010908319
ecb_03926	tyrB	0.353681847	0.011203719
ecb_00336	yaiA	0.453635717	0.01139345
ecb_00159	dgt	0.419228177	0.011608789
ecb_02129	napC	0.317941243	0.011898035
ecb_01445	ddpA	-0.541988444	0.012375918
ecb_00195	rceF	0.334835193	0.013166114

ecb_01714	astB	-0.503496107	0.013166114
ecb_03219	cysG	0.334999611	0.013365861
ecb_01123	potB	0.291535397	0.014030298
ecb_02044	metG	0.498895933	0.014112478
ecb_02905	yqiB	0.344619657	0.01451076
ecb_02737	gcvT	0.456232586	0.014638464
ecb_01079	flgL	-0.614449054	0.014943996
ecb_00029	ribF	0.432374945	0.014943996
ecb_02163	inaA	-0.589045326	0.014943996
ecb_02840	yghG	-0.295476925	0.015931705
ecb_02489	tyrA	0.452937641	0.016169119
ecb_00951	ycbX	0.307781196	0.016510876
ecb_03132	aroE	0.323639199	0.017119956
ecb_00010	satP	0.362206057	0.01858096
ecb_02772	metK	0.713475844	0.019885682
ecb_01217	oppA	0.319015019	0.020651817
ecb_01930	ugd	-0.41692898	0.020651817
ecb_04244	fhuF	-0.474622486	0.020862145
ecb_01367	azoR	0.338805349	0.02192233
ecb_00008	talB	0.255966953	0.022778114
ecb_02132	napG	0.347071399	0.023289641
ecb_01732	topB	0.335666967	0.026036416
ecb_01805	yebT	0.366522781	0.026036416
ecb_02582	ygbA	0.346092508	0.026036416
ecb_02777	gshB	0.272649968	0.026036416
ecb_02928	folB	0.289326618	0.026491839
ecb_03310	rpoH	-0.44010201	0.026939462
ecb_01218	oppB	0.326835287	0.027805705
ecb_01513	ybcW	-0.455228992	0.027939067
ecb_01915	yeeD	0.745874778	0.027939067
ecb_02289	alaC	-0.393750647	0.027972279
ecb_01733	selD	0.265498221	0.027972279
ecb_01320	dbpA	0.509776051	0.028057284
ecb_04257	deoC	0.308976734	0.028319609
ecb_04030	psd	0.27540383	0.028556691
ecb_03041	glmM	0.255251547	0.02969348
ecb_01353	ydbH	0.428741604	0.030534907
ecb_02362	yffB	0.438209323	0.030534907
ecb_01067	flgM	-0.297221408	0.030762664
ecb_02070	yohJ	0.417128565	0.031640062
ecb_04193	uxuR	0.3744831	0.031640062
ecb_01134	icd	-0.267128031	0.032019084
ecb_02942	patA	-0.348300848	0.033454025
ecb_03131	yrdB	0.335208152	0.033858325
ecb_00687	sucC	-0.296693064	0.034020404
ecb_01795	yebO	-0.519012607	0.035626501
ecb_00428	gsk	0.29041831	0.036864752
ecb_02131	napH	0.317674417	0.037218765
ecb_01031	ycdX	0.381525315	0.037264587
ecb_02684	aas	0.331110751	0.038033495

ecb_03396	eptB	-0.414902686	0.038497296
ecb_00935	pncB	0.318472801	0.038835053
ecb_02228	folX	0.307444262	0.038835053
ecb_02965	mzrA	0.316752539	0.038835053
ecb_01572	pntA	0.320199546	0.040424742
ecb_00339	ykiA	0.244876282	0.040424742
ecb_03277	glpD	0.471073262	0.041402534
ecb_04110	mgtA	-0.608931073	0.041949466
ecb_00693	cydB	0.377726836	0.042034919
ecb_01265	fabI	0.260468077	0.044217919
ecb_01576	ydgC	-0.470828477	0.04496809
ecb_00220	yafQ	-0.282012057	0.045096953
ecb_01730	gdhA	0.309990327	0.045336014
ecb_03027	yhbW	-0.256188936	0.047094033
ecb_01931	gnd	0.306014508	0.047094033
ecb_00633	nagC	0.352776349	0.049378244
ecb_01924	hisB	0.380237619	0.049600492
ecb_00218	yafJ	0.292823088	0.049600492
ecb_02906	nudF	0.308510779	0.050407326
ecb_03258	greB	0.323055261	0.050407326
ecb_01884	yedW	-0.386254145	0.050682349
ecb_00406	atl	0.347369322	0.051827459
ecb_01796	mgrB	-0.528633873	0.051827459
ecb_01057	dinI	-0.394586377	0.053774848
ecb_02723	prfB	0.267892469	0.054445137
ecb_02248	fabB	0.355592565	0.055044722
ecb_00033	ispH	0.332235718	0.056313277
ecb_00204	mltD	-0.363387026	0.057180453
ecb_00686	sucB	-0.253186756	0.057584988
ecb_00032	fkpB	0.410859631	0.058123698
ecb_03422	bax	-0.321332498	0.061759688
ecb_00433	ybaP	-0.328321394	0.061831739
ecb_03470	gpmM	0.325589846	0.061831739
ecb_03897	pgi	0.35987952	0.062657516
ecb_04058	ulaR	0.262292682	0.064734423
ecb_04113	pyrB	0.268265953	0.064734423
ecb_03797	cpxA	0.314817531	0.066763001
ecb_03348	rlmJ	0.292526176	0.066763001
ecb_01716	astA	-0.623730035	0.066798197
ecb_00221	dinJ	-0.242646007	0.067172797
ecb_00972	yccX	0.31175157	0.067470768
ecb_03255	pck	-0.477128609	0.069247132
ecb_00388	clpP	0.220508884	0.069247132
ecb_00402	glnK	-0.492907126	0.069247132
ecb_03828	katG	0.335497543	0.069736791
ecb_02226	yfcF	-0.247697642	0.070046325
ecb_03290	yhhW	0.268814896	0.07147466
ecb_03798	cpxR	0.248271479	0.07211459
ecb_00194	yaeB	0.329476823	0.07260198
ecb_02279	evgA	-0.357095132	0.073701631

ecb_02841	pppA	-0.329849838	0.073701631
ecb_03656	rep	0.431105102	0.074676381
ecb_01446	ddpX	-0.606205905	0.075341937
ecb_01210	rssA	-0.220821311	0.076193655
ecb_01387	tehB	0.287174825	0.076347105
ecb_03284	glgB	0.259937188	0.076952549
ecb_04004	cadC	0.346119279	0.076952549
ecb_01163	ycgB	-0.237767066	0.078336212
ecb_03474	tdh	0.267684254	0.078336212
ecb_03404	viaF	0.327457458	0.079812809
ecb_00057	surA	0.237837288	0.082068927
ecb_00574	ahpC	-0.235752627	0.082068927
ecb_02518	gabT	-0.294970628	0.08298252
ecb_02736	gcvH	0.407858468	0.085369271
ecb_02224	yfcD	-0.221902461	0.085502132
ecb_03344	uspA	-0.320880231	0.08568578
ecb_03770	yihX	0.278781814	0.085961729
ecb_02016	gatR	0.273766939	0.086046203
ecb_01922	hisD	0.343587925	0.087060209
ecb_04260	deoD	0.243266043	0.089926364
ecb_01379	ydcl	-0.287960889	0.090192758
ecb_01927	hisF	0.27755925	0.090218144
ecb_02071	yohK	0.316667686	0.090386437
ecb_03098	yhcN	0.437218699	0.090386437
ecb_02904	cpdA	0.244310896	0.090958724
ecb_01715	astD	-0.595302263	0.090958724
ecb_00745	bioD	0.386184655	0.091476937
ecb_01258	pyrF	0.27093554	0.091476937
ecb_02229	yfcH	0.307402106	0.09210024
ecb_02280	evgS	-0.376605107	0.09210024
ecb_02964	yqjA	0.295432092	0.09356023
ecb_00253	ecpR	-0.439912236	0.094658591
ecb_00014	dnaK	0.321547727	0.095094596
ecb_02842	yghJ	-0.405961492	0.095595492
ecb_03364	gadX	-0.326282209	0.096404917
ecb_00496	ybcM	0.362954335	0.097291015
ecb_04270	yjjX	-0.259115269	0.098883168
ecb_02429	hcaR	-0.566133342	0.09993682
ecb_00058	lptD	0.304864749	0.100258655
ecb_00957	rmf	-0.309925632	0.100495975
ecb_01587	uidR	0.31340111	0.102456005
ecb_00363	ribE	0.233071839	0.102886176
ecb_01631	ydhC	0.331696855	0.103893771
ecb_03015	yraN	-0.23890718	0.104375319
ecb_00808	ybjG	-0.263727055	0.106873226
ecb_03214	ppiA	0.247715955	0.108437511
ecb_01033	ycdZ	0.303191109	0.10995768
ecb_02160	nrdA	-0.248897231	0.10995768
ecb_03599	yieH	0.275955015	0.110509519
ecb_04034	yjeF	0.25085828	0.111656113

ecb_01837	aspS	0.229989941	0.1124577
ecb_01209	yehJ	0.413371888	0.113652896
ecb_00860	potG	0.251061992	0.113652896
ecb_01020	efeO	-0.317298188	0.113745319
ecb_01984	baeR	0.24508315	0.114756952
ecb_04129	yjgR	0.206596871	0.115136915
ecb_02775	endA	0.291282082	0.115172152
ecb_00743	bioF	0.494296308	0.115525878
ecb_00219	yafK	-0.245399371	0.11644822
ecb_03544	nlpA	0.353463991	0.117957249
ecb_03813	zapB	0.212364623	0.118756745
ecb_02133	napA	0.350269789	0.125024737
ecb_00859	potF	0.304662702	0.129256831
ecb_02907	tolC	0.195153279	0.13367455
ecb_02747	argP	0.270288814	0.13367455
ecb_01762	yoaF	0.255562756	0.13367455
ecb_01122	potC	0.293524448	0.133839016
ecb_01121	potD	0.242358499	0.135148363
ecb_02290	ypdA	0.217721161	0.13859174
ecb_03424	avtA	0.197933515	0.139821584
ecb_02141	apbE	0.325255013	0.141550088
ecb_01305	ycjY	0.344455622	0.143678495
ecb_02480	yfiM	-0.385654004	0.14623274
ecb_01453	yddB	-0.252392727	0.14623274
ecb_02793	mltC	0.247438976	0.147973984
ecb_02924	ygiF	0.228665063	0.148548769
ecb_00925	smtA	0.24818316	0.148747512
ecb_02542	luxS	0.201913251	0.14913256
ecb_03758	yihM	0.295352099	0.151133644
ecb_03708	metE	0.214416368	0.151320239
ecb_03501	yicC	0.270673396	0.152761641
ecb_04020	sugE	-0.276659523	0.154319207
ecb_04083	ytfG	0.341538292	0.155042591
ecb_01784	sdaA	0.259192186	0.155042591
ecb_01818	yebF	-0.328340617	0.155042591
ecb_03631	kup	-0.426237392	0.155042591
ecb_02123	ccmF	0.208872663	0.156650764
ecb_04036	amiB	0.274064321	0.156943171
ecb_03236	trpS	0.228033019	0.156943171
ecb_00085	ftsI	-0.267378819	0.157399606
ecb_01058	pyrC	-0.281681961	0.157399606
ecb_00567	ybdH	0.353500611	0.158725817
ecb_03075	arcB	0.246768481	0.158725817
ecb_01871	yecJ	0.25461877	0.159738379
ecb_01923	hisC	0.370853785	0.161182783
ecb_01870	ftnB	-0.384615908	0.161182783
ecb_01346	ynaE	-0.498796268	0.161884993
ecb_00560	entC	-0.307472078	0.162424901
ecb_02103	yeiR	0.278477469	0.162571346
ecb_00936	pepN	0.197538041	0.162571346

ecb_01649	sufS	-0.291220023	0.162571346
ecb_01452	pqqL	-0.277448895	0.162571346
ecb_00407	ybaA	-0.487421265	0.162571346
ecb_03885	metA	0.49415418	0.162571346
ecb_02730	ygfZ	0.246346496	0.164324114
ecb_02134	napD	0.253876099	0.164324114
ecb_02192	menF	0.220130062	0.164832971
ecb_03699	yigl	-0.385568826	0.165583952
ecb_01256	lapA	-0.306973662	0.166082433
ecb_04254	yjiV	0.224182679	0.166989295
ecb_02686	lysA	0.426687444	0.167080126
ecb_01679	btuE	-0.271877643	0.170113547
ecb_00121	yacC	0.333304204	0.174777924
ecb_02467	rpoE	-0.26182987	0.174777924
ecb_01929	wzzB	0.2963337	0.175446338
ecb_02921	yqiK	0.365260414	0.175446338
ecb_02098	fruB	-0.272039297	0.177826731
ecb_01925	hisH	0.291118539	0.179612273
ecb_00886	clpS	-0.224308284	0.180304617
ecb_01578	rstB	-0.210895865	0.181038941
ecb_04089	ytfL	-0.267209723	0.181038941
ecb_01444	ddpB	-0.432754852	0.181038941
ecb_02768	speA	0.183544429	0.185939594
ecb_01568	mdtI	-0.453910115	0.185939594
ecb_00140	yadN	0.312575834	0.186277106
ecb_00030	ileS	0.389456599	0.18899429
ecb_03847	sthA	-0.205588415	0.189320409
ecb_01609	mliC	-0.225423226	0.189825723
ecb_02240	folC	0.248277886	0.189984383
ecb_01624	grxD	0.247096775	0.189984383
ecb_01662	aroD	0.317160794	0.190595839
ecb_01674	ydiE	-0.313117895	0.193101626
ecb_02235	argT	-0.260813483	0.193101626
ecb_02966	yqjC	0.200829782	0.196006099
ecb_03936	ghxP	0.253384238	0.196512034
ecb_01259	yciH	0.254750386	0.196929277
ecb_03771	yihY	0.215227568	0.198611719
ecb_01575	folM	0.248592154	0.198795453
ecb_02069	dusC	0.225327856	0.198795453
ecb_01680	btuC	-0.244531629	0.199754587
ecb_03320	yhhQ	-0.278789337	0.199754587
ecb_03183	gspK	0.242829287	0.199754587
ecb_01676	ydiV	-0.261681716	0.199754587
ecb_01804	yebS	0.257966245	0.202155149
ecb_04090	msrA	0.253724736	0.202155149
ecb_00364	nusB	0.331842011	0.202583988
ecb_01926	hisA	0.273353005	0.202618813
ecb_02535	proX	-0.319049901	0.20418483
ecb_00439	ybbJ	-0.256116785	0.20418483
ecb_02247	yfcJ	-0.284506651	0.20418483

ecb_02137	mqo	-0.226118677	0.20418483
ecb_01021	efeB	-0.415773995	0.20418483
ecb_02601	cysN	0.267801675	0.207618722
ecb_00479	folD	-0.191433316	0.209351086
ecb_03744	yihD	-0.229611419	0.209351086
ecb_02724	recJ	0.208686463	0.210585805
ecb_00785	ybiR	0.197912414	0.211310807
ecb_02588	ygbL	0.220648539	0.212709061
ecb_03283	glgX	0.296896931	0.214265763
ecb_01082	rluC	0.251715319	0.216865459
ecb_00807	deoR	-0.260415951	0.22024116
ecb_01566	asr	0.245462472	0.221831073
ecb_00742	bioB	0.561778956	0.222198265
ecb_04035	tsaE	0.222050533	0.224473567
ecb_02122	ccmG	0.210088656	0.224516096
ecb_01493	ydeE	0.284418437	0.224628448
ecb_00478	ybcJ	-0.295573629	0.227075182
ecb_03768	yihV	0.209510436	0.227410852
ecb_03019	yraR	0.175373319	0.229279781
ecb_01014	rutB	-0.299818712	0.231310035
ecb_00996	torS	0.223454301	0.233070188
ecb_00300	mhpR	-0.382541216	0.233070188
ecb_03411	glyQ	0.193378739	0.233587408
ecb_00707	aroG	-0.177017843	0.233661594
ecb_03096	mdh	-0.337982065	0.235762615
ecb_01945	rfbA	-0.313686607	0.235762615
ecb_03979	yjdM	0.275927835	0.235762615
ecb_03107	yhdE	-0.189687281	0.236252197
ecb_03282	glgC	0.258971266	0.237411417
ecb_00299	lacl	0.19538988	0.237411417
ecb_01569	mdtJ	-0.483348656	0.237411417
ecb_02880	exbB	0.320215532	0.237455298
ecb_03048	obgE	-0.25311495	0.237862229
ecb_01537	ydfX	0.225298431	0.238810206
ecb_01928	hisI	0.245614618	0.239467012
ecb_03248	mrcA	0.359740785	0.240107902
ecb_03638	rbsK	-0.209846241	0.240107902
ecb_00035	dapB	0.477256155	0.241104173
ecb_00440	qmcA	-0.231089712	0.244130436
ecb_02760	yggD	0.231917485	0.244132797
ecb_00556	fepG	-0.358914884	0.244132797
ecb_03762	yihP	0.270829593	0.246313309
ecb_04277	arcA	-0.256474066	0.246432868
ecb_01062	rimJ	0.235075288	0.246432868
ecb_00861	potH	0.273110495	0.246480569
ecb_02663	tcdA	-0.226734938	0.246868254
ecb_02494	yfiB	-0.217181779	0.24874619
ecb_03259	yhgF	0.274838472	0.249683616
ecb_03200	slyD	0.213816405	0.256140112
ecb_03821	rpmE	-0.252956515	0.256216537

ecb_01184	lolB	0.241388065	0.257598017
ecb_01104	ycfP	0.164374077	0.257708956
ecb_00554	fepE	-0.239176711	0.259706291
ecb_02888	ygiQ	0.194973617	0.259706291
ecb_00795	iaaA	0.348214744	0.260637476
ecb_02725	dsbC	0.239744511	0.260637476
ecb_00597	lipA	-0.174872617	0.261061726
ecb_01050	lpxL	-0.253334663	0.262067142
ecb_04013	groL	0.242685075	0.263071628
ecb_03480	waaV	0.225873866	0.263071628
ecb_01782	pabB	0.222449291	0.263071628
ecb_01731	ynjI	0.25822262	0.263071628
ecb_00874	ybjT	0.206705773	0.26354268
ecb_01219	oppC	0.298640366	0.264474563
ecb_03736	fadA	-0.402770357	0.265096341
ecb_01883	yedV	-0.420011824	0.267062022
ecb_04111	ridA	0.18776668	0.267675282
ecb_02492	yfiR	-0.328304814	0.268772775
ecb_01237	trpD	0.227654029	0.270438209
ecb_01779	yoaB	-0.285884909	0.270928363
ecb_03264	bioH	0.182532867	0.272029835
ecb_01183	ispE	0.222959898	0.274338021
ecb_01919	yeeZ	-0.181607289	0.276373329
ecb_00143	gluQ	0.203912333	0.276373329
ecb_02961	uxaC	0.222111614	0.276373329
ecb_02790	trmI	0.172355657	0.277710435
ecb_00962	sulA	-0.304586314	0.278303371
ecb_03379	bcsZ	-0.247307684	0.282821531
ecb_00420	apt	0.188822606	0.2832863
ecb_04085	cpdB	-0.193342544	0.283627897
ecb_04237	yjjA	0.185060546	0.283627897
ecb_01420	yddH	0.196724914	0.283627897
ecb_04268	slt	0.209306448	0.283627897
ecb_00781	ompX	-0.234331416	0.286914794
ecb_01220	oppD	0.265899174	0.286914794
ecb_02388	hda	0.270516065	0.287152888
ecb_00422	ybaB	0.181932509	0.288205825
ecb_00271	yahA	-0.248776004	0.288205825
ecb_00112	pdhR	0.29821406	0.288205825
ecb_01012	rutD	-0.231178623	0.288205825
ecb_02766	loiP	0.183387818	0.288205825
ecb_02505	smpA	-0.205995009	0.288205825
ecb_02781	yggS	0.170609399	0.289692045
ecb_00632	umpH	0.255866722	0.289791376
ecb_03215	tsgA	0.421944744	0.289962069
ecb_03942	nrfA	-0.228675711	0.2906779
ecb_00202	yafD	0.175541869	0.290903941
ecb_00246	yagU	-0.392223855	0.290903941
ecb_03803	cdh	0.195993519	0.290903941
ecb_02241	accD	0.316738759	0.291051133

ecb_01015	rutA	-0.29429973	0.291051133
ecb_01047	yceK	-0.308492543	0.291051133
ecb_03016	diaA	-0.22123727	0.291051133
ecb_00327	yaiZ	-0.457958323	0.291051133
ecb_01835	yebC	0.248353244	0.291051133
ecb_04274	creB	0.19096819	0.291880045
ecb_01443	ddpC	-0.336127739	0.292444766
ecb_02735	gcvP	0.363710327	0.292973843
ecb_03700	pldA	-0.310339306	0.292973843
ecb_02063	dld	0.194712334	0.293639823
ecb_03913	plsB	0.19680322	0.293662749
ecb_02708	yqeB	-0.324842975	0.295073362
ecb_03249	nudE	-0.230031632	0.297710568
ecb_03641	yieP	-0.1921225	0.29810006
ecb_03802	sbp	0.294610428	0.29810006
ecb_01671	ppsA	-0.221268459	0.298704601
ecb_00780	rhtA	0.255548911	0.299832444
ecb_03738	pepQ	-0.185054356	0.299832444
ecb_01271	sapA	0.315513965	0.300315453
ecb_04118	tabA	0.206039689	0.300315453
ecb_04249	yjjG	0.251675269	0.310056683
ecb_00166	map	0.189337695	0.311348754
ecb_01529	ydfU	0.213513305	0.313745209
ecb_02135	napF	0.175361621	0.314687621
ecb_00923	ycbJ	-0.193712983	0.316256069
ecb_01552	ynfB	-0.219804735	0.316256069
ecb_03742	mobB	-0.282636771	0.316256069
ecb_00472	purK	-0.19829848	0.317842287
ecb_02225	yfcE	-0.239878193	0.320522222
ecb_00006	yaaA	0.191685528	0.321332789
ecb_02792	yggX	0.191469117	0.322762851
ecb_02670	recC	0.232202141	0.326257398
ecb_01504	pinR	-0.524267592	0.326257398
ecb_02080	galS	-0.27079352	0.326805686
ecb_04253	yjjU	0.217986348	0.327214661
ecb_02791	mutY	0.230416381	0.327214661
ecb_01105	ndh	0.402942319	0.327214661
ecb_00882	ybjX	-0.291023179	0.327466946
ecb_03481	waaJ	0.171018884	0.329400641
ecb_00928	mukB	0.241699736	0.329690451
ecb_04032	orn	0.240096718	0.333742001
ecb_00142	pcnB	0.258387252	0.334389582
ecb_02767	speB	0.250200833	0.336582132
ecb_03739	yigZ	-0.213023591	0.338391391
ecb_00101	yacG	0.174945315	0.340217403
ecb_02589	ygbM	0.200324951	0.34046567
ecb_03827	metF	0.337347423	0.342812049
ecb_01897	cbl	-0.201526589	0.343391022
ecb_02726	xerD	0.162491224	0.343391022
ecb_01240	yciV	0.256969936	0.343391022

ecb_01056	bssS	-0.278810939	0.343391022
ecb_01293	ycjT	0.20252502	0.343391022
ecb_01138	bluF	0.20521757	0.343391022
ecb_00031	lspA	0.333287237	0.343391022
ecb_00329	iraP	0.225694497	0.343995253
ecb_02221	ackA	0.185191554	0.344764479
ecb_03872	rsd	-0.285071637	0.344806484
ecb_02920	yqij	0.251333108	0.344806484
ecb_01274	puuA	-0.314574577	0.346405586
ecb_00096	ftsZ	-0.151055484	0.346405586
ecb_02189	menB	0.339235873	0.346405586
ecb_01678	btuD	-0.207599066	0.346405586
ecb_00875	ltaE	0.219081125	0.346405586
ecb_02870	hybC	0.218245029	0.346405586
ecb_03623	atpl	-0.219215238	0.347081743
ecb_01482	sad	0.198632431	0.347115718
ecb_02881	metC	0.252617529	0.347115718
ecb_03547	yicN	0.23755425	0.347115718
ecb_03028	mtr	0.192060733	0.347558479
ecb_01816	ptrB	0.212791565	0.347558479
ecb_02161	nrdB	-0.239314665	0.347558479
ecb_01590	malX	-0.271923821	0.347558479
ecb_02624	eno	-0.164418581	0.347558479
ecb_02967	yqjD	0.151936929	0.347558479
ecb_00944	elfC	-0.273184061	0.347558479
ecb_00564	entH	-0.529298226	0.347558479
ecb_01128	phoP	-0.266053975	0.347558479
ecb_02190	menH	0.233586203	0.347558479
ecb_02752	ygfl	0.204945886	0.347674351
ecb_03735	fre	-0.418004167	0.347674351
ecb_01251	cysB	0.296586513	0.347674351
ecb_01386	tehA	0.255573717	0.347674351
ecb_03794	sodA	-0.159512256	0.349393001
ecb_02392	purN	0.1926894	0.351140873
ecb_02903	yqiA	0.200039107	0.352175383
ecb_03915	lexA	-0.200518675	0.352203071
ecb_01863	flhD	-0.25011122	0.355554241
ecb_03891	metH	-0.197093569	0.356625093
ecb_02479	pssA	-0.169154057	0.356625093
ecb_00549	entD	-0.377828181	0.358280672
ecb_00127	yadH	0.203286546	0.360457753
ecb_02528	ygaM	-0.31118534	0.360457753
ecb_01520	ydfR	-0.220199057	0.361173475
ecb_00561	entE	-0.32586772	0.361528426
ecb_00223	rayT	-0.17315092	0.362733945
ecb_01819	yebG	-0.274286716	0.362733945
ecb_01297	ycjW	0.231361243	0.36344334
ecb_03207	yhfA	-0.195163926	0.363658604
ecb_04215	hsdM	0.18925251	0.36871145
ecb_03911	ubiC	-0.199754903	0.36871145

ecb_02320	yfeS	-0.364292058	0.368733619
ecb_03362	mdtF	0.209656979	0.369130788
ecb_00550	fepA	-0.279482792	0.369130788
ecb_02727	fldB	-0.164389206	0.369130788
ecb_02265	fadJ	-0.278758464	0.37471682
ecb_01836	nudB	0.264476971	0.375217025
ecb_03983	basS	0.167434738	0.378206642
ecb_02264	sixA	-0.234518048	0.378647513
ecb_01564	ynfL	0.185987019	0.379458442
ecb_01124	potA	0.228018753	0.382241765
ecb_00334	yail	0.261324016	0.383621531
ecb_00477	ybcI	-0.205022596	0.386436985
ecb_02162	yfaE	-0.305475506	0.386842731
ecb_02327	murR	0.214599145	0.387384788
ecb_03819	cytR	0.200375469	0.387384788
ecb_01986	yegQ	0.173802681	0.393377557
ecb_01013	rutC	-0.229729325	0.394660798
ecb_03606	bgfI	0.233020316	0.398421669
ecb_00432	ybaK	-0.182527713	0.398421669
ecb_01395	hicB	-0.159811	0.398421669
ecb_01486	marC	-0.201839986	0.399428681
ecb_03017	yraP	-0.194235735	0.400458886
ecb_02089	yeil	-0.181670414	0.403342359
ecb_01064	yceM	0.207520076	0.403342359
ecb_02543	gshA	0.139279608	0.403342359
ecb_02734	ygff	0.19913779	0.403342359
ecb_02549	recA	-0.194897065	0.403342359
ecb_00398	cof	0.290125113	0.403342359
ecb_02776	rsmE	0.234897052	0.403342359
ecb_00862	potI	0.242471335	0.403342359
ecb_00135	yadK	-0.199552535	0.403342359
ecb_02468	nadB	0.225705254	0.403342359
ecb_03105	yhdP	-0.206060299	0.405140052
ecb_03914	dgkA	0.169300461	0.40583699
ecb_00869	artP	0.134948616	0.406123167
ecb_02231	hisP	-0.220265928	0.40837188
ecb_03144	yhdN	-0.206663233	0.40837188
ecb_02963	exuR	0.181343574	0.410268392
ecb_00417	ybaM	-0.196589294	0.410268392
ecb_00887	clpA	-0.252331771	0.410268392
ecb_02191	menD	0.15759771	0.414960998
ecb_01236	trpC	0.173373449	0.414960998
ecb_02056	mlrA	-0.241591647	0.415017521
ecb_01051	yceA	-0.181798917	0.415017521
ecb_04259	deoB	0.282030145	0.415017521
ecb_00267	betA	-0.221970287	0.420397236
ecb_00038	caiF	-0.149325235	0.420890083
ecb_03500	rph	0.383701127	0.421328754
ecb_01783	nudL	0.174152199	0.421328754
ecb_00144	dksA	0.271335971	0.423870858

ecb_02607	cysH	0.211435555	0.42417684
ecb_04217	mrr	-0.141180267	0.424985955
ecb_01048	msyB	-0.174572715	0.42624105
ecb_01005	agp	-0.178602758	0.42624105
ecb_00922	kdsB	-0.186047198	0.426882393
ecb_00927	mukE	0.263061704	0.426882393
ecb_03196	tusD	0.213385311	0.426882393
ecb_01562	ynfK	-0.217111889	0.428137843
ecb_03816	hslU	0.159213716	0.428208331
ecb_01310	uspE	-0.208383364	0.428904492
ecb_01098	fhuE	-0.27670905	0.430446878
ecb_01613	ydhl	-0.242696852	0.430446878
ecb_00578	rnk	0.267793001	0.432006637
ecb_04263	ytjB	0.157872578	0.434907444
ecb_01582	manA	0.249421103	0.436311227
ecb_00415	acrR	0.214844741	0.436311227
ecb_01840	yecN	0.143482134	0.436357104
ecb_01650	sufD	-0.212607317	0.442468859
ecb_00930	ycbK	-0.199088563	0.44317636
ecb_03874	hemE	0.179543509	0.443466193
ecb_03085	nanA	0.294172771	0.443511468
ecb_02487	pheL	-0.38217485	0.444475952
ecb_00710	galK	0.18416193	0.44547612
ecb_04246	rsmC	0.216557141	0.445477856
ecb_02989	garK	0.233074073	0.445955579
ecb_01083	yceF	-0.198946989	0.449551232
ecb_01257	lapB	-0.215718541	0.449551232
ecb_00346	sbcD	0.164273492	0.449551232
ecb_03513	yicH	-0.157491149	0.449551232
ecb_01054	yceO	-0.438989165	0.449551232
ecb_00249	ecpD	0.224519248	0.449551232
ecb_00695	ybgE	0.212460141	0.449551232
ecb_01802	proQ	0.156197956	0.449551232
ecb_00565	cstA	-0.268687188	0.449551232
ecb_03272	rtcB	0.157130617	0.449551232
ecb_03347	prlC	0.220315537	0.449551232
ecb_00060	rluA	-0.233561325	0.449551232
ecb_01890	yeel	-0.227816768	0.449551232
ecb_01370	aldA	-0.358874205	0.449551232
ecb_00093	ddlB	-0.223838279	0.449551232
ecb_01101	lpoB	0.164684964	0.449551232
ecb_02801	yeeR	-0.235766762	0.449551232
ecb_02544	yqaA	0.213095349	0.449551232
ecb_03568	yidE	-0.171055768	0.449551232
ecb_00187	rof	-0.220389927	0.449551232
ecb_02597	ispD	0.182410151	0.449551232
ecb_00926	mukF	0.225451789	0.449551232
ecb_01921	hisG	0.225230381	0.449551232
ecb_01108	bhsA	0.164853379	0.449551232
ecb_01885	yedX	-0.253110585	0.449551232

ecb_02408	rodZ	-0.319661408	0.449551232
ecb_03265	gntX	0.199009001	0.457723381
ecb_00579	rna	0.177255341	0.461405632
ecb_00160	degP	0.182269559	0.463560435
ecb_02702	ygeV	0.292545657	0.465096858
ecb_00054	apaG	0.195168556	0.465096858
ecb_00097	lpxC	-0.135722271	0.465096858
ecb_02722	lysS	0.212792156	0.465806952
ecb_00562	entB	-0.510140987	0.467491682
ecb_03447	yibF	-0.177982048	0.467491682
ecb_02743	ygfA	-0.275253373	0.467586329
ecb_01946	rfbD	-0.267345074	0.468800824
ecb_04186	fimD	0.199147449	0.468800824
ecb_02996	agaR	0.171794224	0.468975417
ecb_03732	tatD	-0.147908735	0.471351472
ecb_00563	entA	-0.519112659	0.471351472
ecb_02664	mltA	-0.219019344	0.471351472
ecb_02555	srlD	0.21423286	0.471351472
ecb_00034	rihC	0.239791991	0.471351472
ecb_01491	marB	0.309241083	0.472237439
ecb_00889	aat	0.190613509	0.473412076
ecb_01981	mdtB	-0.249417133	0.473412076
ecb_04037	mutL	0.239751914	0.473634434
ecb_02553	srlE	0.328255449	0.473634434
ecb_04247	hold	0.26502659	0.47467573
ecb_01238	trpE	0.213425736	0.47467573
ecb_00408	ylaB	-0.145373405	0.475624757
ecb_00619	insJ	-0.235434421	0.476162103
ecb_00056	pdxA	0.193241798	0.477260809
ecb_00993	ymcE	-0.359716573	0.477830018
ecb_00694	cydX	0.306618213	0.480840725
ecb_02444	hmp	0.153195605	0.481227159
ecb_00252	ecpA	-0.215292373	0.481227159
ecb_01710	cho	-0.247950518	0.484249467
ecb_01903	yoeA	0.211677154	0.484249467
ecb_01404	ydcZ	-0.190879496	0.484895972
ecb_02595	truD	0.138459014	0.486577969
ecb_00383	cyoA	0.126178796	0.487759223
ecb_03349	gor	0.196876989	0.487759223
ecb_01973	yegE	0.177116717	0.488606063
ecb_03912	ubiA	-0.201179443	0.489010796
ecb_01126	ycfD	-0.180616942	0.489010796
ecb_01601	rsxG	-0.15111933	0.491255761
ecb_02128	ccmA	0.167311889	0.49159897
ecb_00272	yahB	0.214550388	0.49330198
ecb_02084	cirA	-0.428646716	0.494671824
ecb_01823	zwf	-0.259257897	0.495360851
ecb_04114	pyrL	0.211321584	0.496619315
ecb_01565	ynfM	0.320789558	0.497256998
ecb_02185	arnF	-0.203632574	0.497256998

ecb_00266	ykgH	-0.20587294	0.497355719
ecb_02960	uxaA	0.206024865	0.497355719
ecb_00518	appY	0.193264874	0.497355719
ecb_02042	yehE	0.176783743	0.499302197
ecb_01597	rsxA	-0.228384149	0.499302197
ecb_02471	yfiE	0.259920213	0.499586864
ecb_03211	pabA	0.136556392	0.499760983
ecb_01647	ynhG	-0.20117192	0.500358255
ecb_04088	ytfK	-0.164684443	0.500679665
ecb_00931	ycbL	-0.166740466	0.502476724
ecb_01018	putP	-0.246174183	0.502763785
ecb_04017	efp	0.172656926	0.503044598
ecb_01577	rstA	-0.22143175	0.503244551
ecb_03845	argH	-0.201219404	0.503244551
ecb_02609	cysJ	0.250090477	0.503244551
ecb_01019	efeU	-0.38934711	0.503244551
ecb_01049	mdtG	-0.208211807	0.506795281
ecb_01644	ydhZ	-0.251616759	0.509353265
ecb_00055	rsmA	0.141080181	0.509666573
ecb_02455	yfhH	0.15056826	0.509666573
ecb_00102	zapD	0.147330544	0.509666573
ecb_00959	ycbZ	-0.149325014	0.509666573
ecb_03281	glgA	0.168710259	0.509666573
ecb_01436	adhP	-0.188832839	0.509714344
ecb_03455	mtlD	0.150778587	0.509714344
ecb_03062	kdsD	-0.130911867	0.509714344
ecb_02938	mug	0.205357131	0.510259089
ecb_00765	ybiA	-0.148121008	0.510640272
ecb_00222	yafL	0.19869101	0.510640272
ecb_00891	cydD	0.270066682	0.510640272
ecb_04196	hypT	0.164098097	0.510640272
ecb_01596	ydgK	0.195165518	0.510640272
ecb_01061	mdtH	0.185648929	0.512907474
ecb_03378	bcsC	-0.216167776	0.512907474
ecb_00132	panC	0.139421155	0.512907474
ecb_02940	yqjI	0.182148051	0.512907474
ecb_02554	srlB	0.280195916	0.512907474
ecb_03698	rarD	0.193409449	0.512907474
ecb_03812	glpF	0.387990026	0.512907474
ecb_01423	narV	0.188867598	0.513414976
ecb_01127	phoQ	-0.191187019	0.513441991
ecb_00766	dinG	-0.274200368	0.514269294
ecb_02470	srmB	0.18165485	0.514479034
ecb_02377	hyfE	0.138117408	0.517550576
ecb_01866	otsB	-0.173153461	0.517550576
ecb_03502	dinD	0.15749411	0.520423168
ecb_03257	ompR	0.159785652	0.521714328
ecb_02879	exbD	0.277917654	0.522026812
ecb_02156	yfaA	-0.158814517	0.522026812
ecb_02305	yfeD	-0.295100034	0.524826072

ecb_00676	ybgO	0.148711892	0.524826072
ecb_02493	yfiN	-0.199381958	0.531492246
ecb_04112	pyrI	0.163655751	0.532841078
ecb_02245	pdxB	0.182596321	0.532841078
ecb_02517	gabD	-0.229545606	0.533547706
ecb_00483	sfmH	0.245169243	0.536725629
ecb_01787	manX	0.19269029	0.538516971
ecb_02250	yfcl	-0.183410863	0.538516971
ecb_03727	ubij	0.150126661	0.538516971
ecb_03886	aceB	-0.298708465	0.538516971
ecb_02291	ypdB	0.171306524	0.538900576
ecb_00079	ilvI	-0.130016024	0.53931156
ecb_00921	ycaR	-0.124732593	0.53931156
ecb_00788	ybiU	-0.177248891	0.53931156
ecb_00974	yccA	-0.180234266	0.53931156
ecb_03825	metB	0.176721918	0.539767391
ecb_02784	rdgB	0.201771546	0.540731828
ecb_01648	sufE	-0.347306499	0.546669597
ecb_00794	moeA	0.291406974	0.54754532
ecb_00009	mog	0.180328691	0.549991824
ecb_02186	pmrD	-0.287658372	0.550297737
ecb_04062	ulaC	0.149927525	0.550501705
ecb_04029	mscM	0.194068124	0.551132971
ecb_01424	narW	0.238179879	0.551132971
ecb_01063	yceH	0.174113123	0.553106262
ecb_02457	acpS	0.147688076	0.553106262
ecb_02522	yqaE	0.221026142	0.553106262
ecb_00015	dnaJ	0.203665271	0.553870289
ecb_00094	ftsQ	-0.217409797	0.553870289
ecb_00786	ybiS	0.152311475	0.554312278
ecb_00863	ybjO	0.180017717	0.554404557
ecb_03669	rffA	0.154383046	0.556086028
ecb_04205	yjiN	0.192805305	0.556153941
ecb_03653	ppiC	-0.228363776	0.556235156
ecb_00424	htpG	0.198292581	0.556235156
ecb_00712	galE	0.144565386	0.557653577
ecb_00367	yajO	-0.183969244	0.559997212
ecb_03924	dnaB	0.137668348	0.560187683
ecb_03003	agaS	0.221402938	0.563156892
ecb_00067	yabl	-0.174301771	0.563156892
ecb_01011	rutE	-0.234624793	0.563156892
ecb_00193	proS	0.135648671	0.563156892
ecb_01390	ydcM	-0.19095048	0.563781229
ecb_01898	nac	-0.239130069	0.566075358
ecb_01980	mdtC	-0.128017165	0.566647849
ecb_04012	groS	0.21318916	0.568354071
ecb_02140	ada	0.155227855	0.570014604
ecb_00867	artQ	0.259441908	0.571599792
ecb_03103	aaeR	0.16965787	0.572584109
ecb_00358	yajD	-0.124426962	0.572929865

ecb_03434	sgbU	-0.122810174	0.573225973
ecb_01553	speG	-0.157310733	0.57331472
ecb_03499	pyrE	0.222322164	0.57331472
ecb_00917	ycal	-0.157327406	0.573702317
ecb_01316	abgR	-0.207950562	0.574291789
ecb_03231	php	0.15919422	0.574291789
ecb_04018	ecnA	0.168737313	0.574291789
ecb_03984	basR	0.126657284	0.574877848
ecb_01634	mdtK	0.193804465	0.574877848
ecb_02360	narQ	0.142060854	0.576986532
ecb_01807	yebV	-0.140023226	0.578034912
ecb_01002	cbpM	-0.130822361	0.578952737
ecb_00973	tusE	-0.212809421	0.580447059
ecb_03094	degQ	0.129071345	0.582969294
ecb_01845	cutC	-0.215053398	0.582969294
ecb_01027	ycdT	-0.173006776	0.583181983
ecb_04014	yjel	-0.162881812	0.584881009
ecb_01106	ycfJ	0.326421708	0.585532352
ecb_04273	creA	0.220560406	0.58723766
ecb_01978	yegL	0.142057574	0.587848331
ecb_02681	ygdR	-0.178391711	0.587848331
ecb_00278	yahl	0.15844668	0.587848331
ecb_00876	poxB	-0.174163449	0.587848331
ecb_01611	slyB	-0.234926546	0.587848331
ecb_03299	ugpC	-0.137815534	0.588382769
ecb_03846	oxyR	-0.131148334	0.588382769
ecb_02304	yfeC	-0.251971205	0.588382769
ecb_03479	waaL	0.187146973	0.590349155
ecb_02321	cysM	-0.216784187	0.590349155
ecb_00595	ybeM	0.127807258	0.590349155
ecb_00133	panB	0.186918084	0.591775271
ecb_00660	ybfO	0.171070269	0.591775271
ecb_03083	nanE	0.174462017	0.591775271
ecb_03380	bcsB	-0.169305394	0.591775271
ecb_00316	tauB	0.242145423	0.593093578
ecb_03291	yhhX	0.1502077	0.594227912
ecb_00095	ftsA	-0.160020303	0.597275515
ecb_03049	yhbE	-0.200396447	0.598328506
ecb_03494	rpmB	-0.151882505	0.598328506
ecb_00423	recR	0.297943388	0.6011174
ecb_00899	dmsB	0.152042773	0.604299617
ecb_00224	fhiA	0.160550282	0.604361678
ecb_03217	nirD	0.192194918	0.605505105
ecb_01321	ttcA	0.151012801	0.605505105
ecb_01656	ydiJ	0.339504787	0.605505105
ecb_04248	rimI	0.251235836	0.605505105
ecb_02762	yggP	0.176804744	0.608417366
ecb_03482	waaY	0.153114261	0.608417366
ecb_01697	ydjM	0.209091048	0.609308804
ecb_02521	ygaU	0.156224679	0.609343325

ecb_01824	yebK	-0.176435689	0.609343325
ecb_02043	mrp	-0.245015805	0.609343325
ecb_02625	pyrG	-0.194927528	0.614579243
ecb_03487	waaP	0.136457231	0.614579243
ecb_02106	rtn	0.197949367	0.614579243
ecb_01234	trpA	0.130009669	0.616729008
ecb_04187	fimF	0.126473063	0.620430562
ecb_01435	yddM	-0.282498311	0.620430562
ecb_00853	ybjM	-0.13097752	0.621002837
ecb_01545	ydfE	0.216712175	0.621255672
ecb_00289	prpE	0.115148029	0.621255672
ecb_04104	cybC	0.133132707	0.622599821
ecb_00328	ddlA	0.208390693	0.62293323
ecb_03876	yjaG	0.212622161	0.62293323
ecb_00172	ispU	-0.172592513	0.623616603
ecb_04120	argI	0.18948857	0.623616603
ecb_01538	dicC	0.201583554	0.624000951
ecb_01255	pgpB	-0.216933963	0.626146706
ecb_02608	cysI	0.184124321	0.627255561
ecb_00296	lacA	-0.200484147	0.631785557
ecb_01365	ynbC	0.188423366	0.634908393
ecb_01221	oppF	0.140675919	0.634908393
ecb_01570	tqsA	-0.203264032	0.634908393
ecb_02124	ccmE	0.204590045	0.637992366
ecb_01593	ydgJ	-0.139067939	0.640369788
ecb_03558	yidF	-0.251345199	0.643449042
ecb_03745	rdoA	0.144592685	0.644082079
ecb_02391	purM	0.139836851	0.64440411
ecb_01442	ddpD	-0.2733763	0.64440411
ecb_02622	queE	-0.166652468	0.646105524
ecb_03651	ilvY	-0.207055968	0.646150069
ecb_03824	metJ	0.207713687	0.647932893
ecb_04199	yjiH	0.164121789	0.648699921
ecb_00147	hrpB	0.183625112	0.651723641
ecb_00770	ybil	-0.11090267	0.653303582
ecb_01356	feaR	-0.251528443	0.654056926
ecb_00198	metN	0.174008844	0.654056926
ecb_02894	mqsR	0.14184483	0.654056926
ecb_02100	yeiW	-0.280289234	0.654056926
ecb_00711	galT	0.156308926	0.654056926
ecb_04240	yjiB	0.131314954	0.655245158
ecb_03286	yhgN	-0.145982202	0.655245158
ecb_02177	nudI	-0.186797926	0.655245158
ecb_03925	alr	0.256297678	0.655245158
ecb_00384	ampG	0.253217224	0.655245158
ecb_02618	ygcW	0.305777575	0.655245158
ecb_02859	yghQ	0.179680532	0.655245158
ecb_03992	yjdB	0.172806527	0.655245158
ecb_01834	ruvC	0.184394886	0.655245158
ecb_00292	cynR	0.146999751	0.655245158

ecb_00708	gpmA	0.157193776	0.655245158
ecb_01586	uidA	0.145043117	0.656016549
ecb_04256	yjiI	0.151706332	0.65625099
ecb_03307	livK	0.139424208	0.65738944
ecb_03106	rng	-0.198943061	0.65738944
ecb_00262	ykgE	0.170275106	0.657985321
ecb_03137	def	0.113592059	0.660165963
ecb_03489	waaQ	0.115741514	0.660165963
ecb_03384	bcsE	0.115094872	0.660165963
ecb_00643	ybfF	0.117103572	0.660365577
ecb_04000	lysU	0.144545163	0.661867238
ecb_01558	ynfG	0.137776181	0.663036128
ecb_01454	yddA	-0.16370349	0.663332013
ecb_03493	rpmG	-0.146948161	0.663604972
ecb_00188	yaeP	-0.188549319	0.663604972
ecb_00752	moaE	-0.120322457	0.66558199
ecb_03025	yhbU	0.152875429	0.66558199
ecb_01718	xthA	-0.286616494	0.66558199
ecb_02901	ygiN	0.141786619	0.668618459
ecb_04275	creC	0.12459054	0.668750398
ecb_02783	yggU	0.148863757	0.668793944
ecb_01109	ycfS	0.139218903	0.668793944
ecb_02370	dapA	-0.116024711	0.668793944
ecb_00061	hepA	-0.169423296	0.669649252
ecb_02453	tadA	0.117375333	0.669897146
ecb_01494	dgcZ	-0.282746283	0.670654162
ecb_03468	grxC	0.108125613	0.672373235
ecb_02142	ompC	-0.161405991	0.672373235
ecb_00667	ybgA	-0.12861402	0.67242574
ecb_00338	yaiE	0.156662528	0.672806797
ecb_02957	alx	-0.138936093	0.672806797
ecb_03138	fmt	0.153583971	0.672903292
ecb_03962	rpiB	-0.185810163	0.672976481
ecb_00507	rrrD	-0.141238257	0.673064987
ecb_02182	arnD	0.14376063	0.673064987
ecb_02578	hypC	0.134080716	0.674928197
ecb_03843	argC	-0.151757513	0.674928197
ecb_03490	waaA	0.265410169	0.676149938
ecb_01380	ydcJ	-0.153818027	0.676149938
ecb_04045	nsrR	-0.213138691	0.677969614
ecb_02956	ygjR	0.145764447	0.677969614
ecb_04095	ppa	0.136129676	0.679077209
ecb_00317	tauC	0.220078248	0.679738434
ecb_02779	yqgF	-0.149487703	0.679738434
ecb_02603	iap	-0.135166971	0.680282331
ecb_02438	yphD	0.169206396	0.680282331
ecb_02939	yqjH	0.187960467	0.680282331
ecb_03392	dppD	0.17819597	0.680282331
ecb_02602	cysD	0.224104568	0.681793501
ecb_01463	ydeT	0.246791643	0.681793501

ecb_01438	rpsV	-0.218399093	0.682469362
ecb_03823	yiiX	-0.120343816	0.682469362
ecb_00155	erpA	-0.131170414	0.682469362
ecb_00291	codA	0.25025996	0.682469362
ecb_02358	nudK	0.128334617	0.682516113
ecb_01246	btuR	0.129671923	0.683089137
ecb_04195	iraD	0.181648934	0.683089137
ecb_01571	pntB	0.146718594	0.683499902
ecb_00991	cspH	-0.58640294	0.683499902
ecb_00566	ybdD	-0.149604531	0.684362718
ecb_00709	galM	0.118651084	0.685315148
ecb_03162	rpsQ	-0.11600133	0.685315148
ecb_03817	hslV	0.151517919	0.685315148
ecb_02558	gutQ	0.242431802	0.685315148
ecb_00569	ybdM	0.120058578	0.685315148
ecb_01100	ycfL	0.135557595	0.685315148
ecb_01400	ydcV	0.163966054	0.685315148
ecb_01594	blr	-0.175047923	0.686010216
ecb_02556	gutM	0.143988826	0.686010216
ecb_00893	lrp	0.119647013	0.686313235
ecb_04092	tamB	-0.189079862	0.689036059
ecb_02643	ygdG	0.135773262	0.6894144
ecb_01691	ydiY	0.229077189	0.689570165
ecb_01235	trpB	0.109941424	0.689570165
ecb_01415	ydcD	-0.285715907	0.689570165
ecb_00519	ompT	-0.133354291	0.690286143
ecb_04159	fecl	-0.197333308	0.691819856
ecb_02466	rseA	-0.141183588	0.692336495
ecb_03386	bcsG	0.131196278	0.692937404
ecb_03799	cpxP	-0.232131108	0.692937404
ecb_01983	baeS	0.227629442	0.696329193
ecb_04203	yjiL	0.166135394	0.696839086
ecb_04211	mcrC	-0.166854576	0.697358256
ecb_02065	yohC	-0.135728701	0.697358256
ecb_01976	yegl	0.108926329	0.701343882
ecb_03377	yhjK	0.104119276	0.701529935
ecb_01521	essQ	-0.214590922	0.702671525
ecb_01362	ydbD	0.150865462	0.704085668
ecb_03814	rraA	-0.157273433	0.70553823
ecb_00214	yafV	0.102080526	0.70553823
ecb_00090	ftsW	-0.210496287	0.70553823
ecb_01462	ydeS	0.221396726	0.706354364
ecb_00209	yafT	-0.168180938	0.706531491
ecb_03210	argD	-0.199209206	0.707052553
ecb_02017	gatD	0.172311969	0.707052553
ecb_01974	alkA	0.180240118	0.707052553
ecb_03256	envZ	0.135525227	0.707052553
ecb_00263	ykgF	0.145547589	0.707052553
ecb_01794	yobF	-0.216877849	0.707052553
ecb_00659	ybfB	-0.293055681	0.707052553

ecb_02979	tdcG	0.140135712	0.707052553
ecb_00325	yaiW	0.245568249	0.707052553
ecb_00901	ycaC	-0.20066853	0.707052553
ecb_02732	yqfB	0.173528631	0.707401805
ecb_00854	grxA	0.172078914	0.707492848
ecb_01911	yeeA	0.13214406	0.707492848
ecb_02482	clpB	0.112822288	0.707866238
ecb_02954	ygjP	0.133507654	0.707866238
ecb_01589	mall	-0.156383593	0.709504027
ecb_01862	flhC	-0.228271553	0.709504027
ecb_01675	ydiU	-0.175167674	0.709780808
ecb_00462	allB	0.135176619	0.709780808
ecb_02548	recX	-0.190008638	0.713723557
ecb_00994	gnsA	-0.220900484	0.713723557
ecb_02287	yfdY	-0.179428174	0.713723557
ecb_04021	blc	-0.170857274	0.714266797
ecb_00963	sxy	-0.138616042	0.71600512
ecb_02902	parE	0.154097204	0.716557848
ecb_03570	ibpA	0.117560136	0.717194776
ecb_03254	yhgE	0.144102172	0.717194776
ecb_00741	bioA	0.174167766	0.717194776
ecb_01156	ycgN	-0.138553646	0.71807357
ecb_02630	rlmD	-0.134722529	0.718201696
ecb_02239	dedD	0.198622425	0.718201696
ecb_03176	gspD	0.197140029	0.720001195
ecb_01910	yeeX	0.102473153	0.720001195
ecb_01677	nlpC	-0.161029162	0.720300816
ecb_02475	yfiF	0.147685834	0.720548963
ecb_01307	mppA	0.124870001	0.720707338
ecb_01461	ydeR	0.212896223	0.721098446
ecb_01700	cedA	-0.123159715	0.721529343
ecb_02557	srlR	0.183155588	0.721751294
ecb_03325	nikA	-0.174838573	0.722250214
ecb_02274	dsdC	0.195928632	0.722250214
ecb_02097	fruK	-0.216465822	0.722779207
ecb_01150	minD	-0.095115559	0.724150474
ecb_02499	ffh	0.128295688	0.724150474
ecb_02093	psuT	0.158366122	0.724357941
ecb_01194	chaA	-0.158797604	0.72470278
ecb_02623	ygcG	0.20822637	0.725302297
ecb_01600	rsxD	-0.1224624	0.726192254
ecb_02795	speC	0.131924729	0.726192254
ecb_03123	acrE	0.180986755	0.730706693
ecb_01311	fnr	0.1049823	0.731950515
ecb_04024	frdC	0.125986447	0.731950515
ecb_02917	yqiH	0.160213262	0.73271288
ecb_01167	ldcA	-0.188261924	0.73271288
ecb_02745	rpiA	0.15218146	0.733594658
ecb_00541	ybdJ	-0.1530884	0.733594658
ecb_03038	argG	0.16380706	0.733594658

ecb_03407	hokA	-0.261223426	0.733594658
ecb_02328	murQ	0.187251863	0.733594658
ecb_00123	gcd	-0.275091103	0.733594658
ecb_02981	tdcE	0.133547388	0.73512297
ecb_01135	iraM	-0.176144138	0.735225181
ecb_00865	artJ	0.207297539	0.736003053
ecb_04142	yjhC	0.117613914	0.738044642
ecb_02233	hisQ	-0.121322361	0.738044642
ecb_03112	yhdH	-0.104404805	0.738044642
ecb_02064	pbpG	0.100812944	0.738044642
ecb_00205	gloB	-0.125900753	0.738044642
ecb_03124	acrF	0.172627823	0.738044642
ecb_02969	yqjK	0.118611989	0.738044642
ecb_03551	uhpC	-0.123975559	0.738044642
ecb_03402	viaD	0.192194527	0.738044642
ecb_00435	copA	-0.177828871	0.738044642
ecb_02242	dedA	0.152616666	0.738044642
ecb_00071	sgrR	0.16486371	0.738044642
ecb_00585	citD	0.165667128	0.738044642
ecb_01369	ydcF	0.136771683	0.738044642
ecb_02024	gatY	0.129988817	0.738044642
ecb_02658	ygdD	0.11190308	0.738547444
ecb_01133	rluE	0.135929024	0.740034853
ecb_01873	ftnA	0.151044892	0.740414175
ecb_03235	yhfZ	0.140953448	0.74093467
ecb_03285	asd	0.106392174	0.741684819
ecb_00612	ybeL	-0.157091022	0.742233165
ecb_03273	rtcR	-0.147634354	0.743393313
ecb_03596	yieE	-0.180352757	0.743414871
ecb_04055	yjfn	-0.22556433	0.743414871
ecb_02532	nrdF	-0.202090392	0.744734695
ecb_03060	mIaF	-0.159490721	0.74483805
ecb_00553	entF	-0.301916639	0.745356041
ecb_00080	ilvH	-0.153617697	0.745356041
ecb_01201	narU	0.208155494	0.745774447
ecb_04158	fecR	-0.166593398	0.745774447
ecb_00474	lpxH	0.107382138	0.746423326
ecb_00484	sfmF	0.171653495	0.746836298
ecb_01153	pliG	0.149254584	0.746867474
ecb_02729	sdhE	0.120209184	0.747863241
ecb_03875	nfi	0.16459142	0.748416041
ecb_02926	cca	0.113463211	0.748810846
ecb_03119	fis	-0.215755205	0.748939442
ecb_02314	cysK	0.170507105	0.752721176
ecb_04197	iadA	0.13403925	0.754486782
ecb_01103	nagZ	0.132512306	0.75617482
ecb_00637	glnS	-0.121804982	0.758303644
ecb_02339	eutL	-0.242902834	0.758392729
ecb_02584	pphB	0.137769384	0.75862744
ecb_00949	pyrD	-0.190798092	0.75862744

ecb_02596	ispF	0.138865069	0.759049979
ecb_04038	miaA	0.108592907	0.759422858
ecb_00905	ycaK	-0.156524742	0.760269103
ecb_02769	yqgB	0.169479997	0.760332291
ecb_02488	pheA	-0.105777385	0.760976441
ecb_04198	yjiG	0.093984688	0.761926465
ecb_01786	yoaE	0.140053869	0.763220292
ecb_02849	glcC	-0.142018936	0.763220292
ecb_02102	yeiQ	-0.139344808	0.763220292
ecb_02638	syd	-0.126217457	0.763220292
ecb_02845	glcG	-0.115146599	0.763220292
ecb_04194	yjiC	0.172622425	0.763220292
ecb_01309	ynaJ	-0.221494797	0.763220292
ecb_02780	yggR	-0.122380481	0.763220292
ecb_03887	aceA	-0.270006077	0.763220292
ecb_02970	yqjF	0.162060794	0.763220292
ecb_02803	yafZ	0.158082171	0.763220292
ecb_00382	cyoB	0.104458451	0.764035074
ecb_02788	yggN	-0.138639441	0.764035074
ecb_00353	queA	0.115707673	0.764450213
ecb_02742	zapA	-0.13517293	0.764450213
ecb_00908	focA	0.131638866	0.764450213
ecb_02619	yqcE	0.137919229	0.764681568
ecb_00880	aqpZ	-0.137360673	0.765320601
ecb_03509	recG	0.189335661	0.765368357
ecb_02401	xseA	-0.130915267	0.765368357
ecb_01793	cspC	-0.212479213	0.765368357
ecb_04100	fbp	0.136920399	0.765368357
ecb_01300	tyrR	0.112595122	0.765828536
ecb_00257	ykgA	0.121216231	0.765878706
ecb_02249	mnmc	0.188131856	0.765934018
ecb_01202	narZ	0.192684424	0.766048639
ecb_02333	yfeZ	-0.129773677	0.767032523
ecb_02046	yehl	0.220625054	0.767032523
ecb_03894	rluF	-0.197997287	0.768166111
ecb_02284	frc	0.147312039	0.768166111
ecb_03195	tusC	0.18277364	0.768488241
ecb_00992	cspG	-0.299888883	0.768488241
ecb_03185	gspM	0.192567092	0.769017271
ecb_00644	seqA	0.091820752	0.769017271
ecb_02088	nfo	-0.141701337	0.769017271
ecb_02869	hybD	0.23052619	0.769017271
ecb_02862	yghT	0.170532692	0.769017271
ecb_00231	prfH	0.181777882	0.771677934
ecb_00537	pheP	-0.204090327	0.771677934
ecb_02062	bglX	-0.170417587	0.771843769
ecb_01878	uvrC	0.131484942	0.771991039
ecb_00492	renD	-0.442099983	0.771991039
ecb_02261	yfcS	0.11721022	0.772333048
ecb_01479	yneF	-0.195078141	0.775169039

ecb_03916	dinF	0.133446961	0.775169039
ecb_00754	ybhM	-0.21233372	0.775169039
ecb_03350	arsR	-0.116553184	0.776018847
ecb_01203	narY	0.161630517	0.77607478
ecb_03598	purP	0.118552422	0.776248314
ecb_02402	yfgJ	-0.150053045	0.776248314
ecb_03614	glmU	0.204595403	0.776248314
ecb_03040	secG	-0.289267232	0.776249661
ecb_02665	amiC	-0.114859604	0.776249661
ecb_03590	mnmE	-0.239927556	0.776249661
ecb_01247	yciK	0.107899456	0.776907864
ecb_02748	scpA	0.17673961	0.776907864
ecb_04019	ecnB	-0.120326159	0.776907864
ecb_03475	kbl	0.177318594	0.776907864
ecb_02953	rlmG	0.203568282	0.776907864
ecb_02950	fadH	-0.171580223	0.776989898
ecb_03337	yhil	-0.154772712	0.776989898
ecb_00666	ybfD	0.240692056	0.776989898
ecb_02281	yfdE	0.186412745	0.776989898
ecb_03464	trmL	-0.117522926	0.776989898
ecb_00184	ldcC	0.183175009	0.776989898
ecb_03855	coaA	0.117247972	0.776989898
ecb_00359	tsx	0.261587146	0.776989898
ecb_02115	rplY	-0.104997427	0.776989898
ecb_01055	solA	0.121716788	0.776989898
ecb_02750	scpB	0.147611408	0.776989898
ecb_02971	yqjG	0.18370687	0.776989898
ecb_00782	opgE	-0.196604791	0.776989898
ecb_03657	gpp	-0.09846397	0.776989898
ecb_04109	treR	0.17214749	0.776989898
ecb_00192	yaeF	-0.144465951	0.776989898
ecb_03769	yihW	0.129254655	0.776989898
ecb_03456	mtlR	0.12176847	0.776989898
ecb_01451	gadB	-0.218756905	0.777254917
ecb_00747	ybhK	-0.144067869	0.777860143
ecb_02998	agaV	0.145909782	0.777860143
ecb_00203	yafE	0.157675419	0.779480242
ecb_03675	aslB	-0.204114094	0.779873325
ecb_01392	ydcN	0.138364133	0.781798874
ecb_00895	lolA	-0.120721132	0.78222768
ecb_02412	yfhM	-0.122926667	0.782472948
ecb_03102	aaeX	0.159346108	0.782472948
ecb_01686	rpmI	-0.139084184	0.784266975
ecb_03125	yhdV	0.154709364	0.784266975
ecb_02955	ygjQ	0.105790541	0.784679406
ecb_02311	ligA	0.109370793	0.784912277
ecb_00622	glTJ	-0.129011042	0.786758451
ecb_01855	cheR	0.125331261	0.786758451
ecb_00077	leuL	0.292312633	0.787813884
ecb_00308	yaiL	0.150966621	0.787855777

ecb_01164	dadA	-0.171652257	0.787855777
ecb_02125	ccmD	0.136092446	0.788326728
ecb_00641	fldA	0.132096114	0.792374804
ecb_00434	ybaQ	-0.121337155	0.792374804
ecb_03681	cyaA	0.197015786	0.792374804
ecb_03181	gspl	0.186946505	0.792374804
ecb_00451	ybbD	-0.206761339	0.792374804
ecb_03760	ompL	-0.24074622	0.79286848
ecb_02503	nadK	0.116189174	0.794820151
ecb_03759	yihN	0.152349819	0.794837586
ecb_02425	suhB	-0.149591765	0.796227173
ecb_00092	murC	-0.199513303	0.796227173
ecb_03844	argB	-0.156906445	0.796227173
ecb_03118	dusB	-0.148745794	0.796227173
ecb_02639	queF	-0.127305991	0.796227173
ecb_04204	yjiM	0.130132611	0.796735899
ecb_03869	thiF	-0.119273356	0.796865601
ecb_00536	cusA	-0.26402829	0.798172355
ecb_00713	modF	-0.148665814	0.798172355
ecb_01707	chbB	-0.126116704	0.798172355
ecb_00476	cysS	-0.125654224	0.798319012
ecb_01176	dhaR	0.120425985	0.798616408
ecb_01102	thiK	0.097337235	0.798616408
ecb_01017	putA	0.142276828	0.798616408
ecb_04001	yjdl	0.13122103	0.799918519
ecb_01222	yciU	-0.132965024	0.799918519
ecb_03374	kdgK	0.08797475	0.800584357
ecb_03270	malT	-0.206707279	0.800584357
ecb_03626	mioC	-0.11319125	0.800584357
ecb_03602	yieK	0.14736613	0.800584357
ecb_00084	ftsL	-0.167450775	0.801398177
ecb_01290	ycjQ	0.150008628	0.802562562
ecb_03734	ubiD	0.097625652	0.803539734
ecb_00642	ybfE	0.127596881	0.803539734
ecb_02620	ygcE	0.126745956	0.803571402
ecb_02337	eutR	0.251201326	0.803571402
ecb_04130	idnR	0.100026624	0.803571402
ecb_02570	hycF	0.122343356	0.803571402
ecb_02583	mutS	0.167499365	0.80412665
ecb_01315	abgA	0.148544071	0.80412665
ecb_03488	waaG	0.107586473	0.80412665
ecb_02574	hycB	0.208907979	0.804403829
ecb_04124	valS	-0.148758907	0.804403829
ecb_01043	clsC	-0.105881753	0.804477173
ecb_02672	ygdB	0.102704866	0.806567421
ecb_00552	ybdZ	-0.197352387	0.806895791
ecb_04133	idnD	0.119863384	0.806895791
ecb_01352	ldhA	0.129699259	0.806895791
ecb_02754	argO	0.171850718	0.806895791
ecb_04138	yjgX	-0.174061073	0.806895791

ecb_03572	yidR	0.137335403	0.806895791
ecb_02616	ygcS	0.194838464	0.806895791
ecb_01652	sufB	-0.113882839	0.806895791
ecb_01618	ydhL	0.152457917	0.807539516
ecb_01722	ynjA	-0.109262364	0.808235666
ecb_03182	gspJ	0.158357192	0.80957149
ecb_02194	elaA	0.095861879	0.80957149
ecb_02599	ygbE	0.175231288	0.80957149
ecb_02516	lhgO	-0.131998873	0.80957149
ecb_01660	ydiN	0.141854479	0.80957149
ecb_02587	ygbK	0.108579594	0.80957149
ecb_02751	scpC	0.134313978	0.80957149
ecb_01275	puuD	-0.192722077	0.80957149
ecb_00649	speF	-0.105208691	0.80957149
ecb_03136	smf	0.123289297	0.80957149
ecb_02101	yeiP	0.121848029	0.80957149
ecb_01955	cpsB	0.131629884	0.809691487
ecb_02295	ypdF	0.10470268	0.809761624
ecb_02633	gudX	0.118729999	0.80990533
ecb_00594	crcB	0.152741537	0.80990533
ecb_02782	yggT	0.144379234	0.810103889
ecb_00746	uvrB	0.094317319	0.810103889
ecb_03280	glgP	0.105508857	0.810103889
ecb_03559	yidG	-0.114667464	0.810103889
ecb_00180	lpxB	-0.109342016	0.810103889
ecb_03725	rmuC	-0.143748935	0.810103889
ecb_02461	rnc	0.094656982	0.810103889
ecb_01780	yoaC	-0.104835835	0.810268327
ecb_02157	gyrA	-0.148052399	0.810268327
ecb_02786	yggM	0.114109391	0.810268327
ecb_01614	ydhJ	-0.150903115	0.810268327
ecb_02703	ygeW	0.128200083	0.810268327
ecb_03615	atpC	0.126441798	0.810268327
ecb_03142	arfA	-0.146216323	0.810268327
ecb_03143	zntR	-0.141959771	0.810268327
ecb_03037	rimP	-0.111045477	0.810268327
ecb_02331	yfeX	-0.12596402	0.810268327
ecb_03230	yhfU	0.089059365	0.810268327
ecb_01602	rsxE	-0.153343581	0.810268327
ecb_01441	ddpF	-0.181510087	0.810268327
ecb_03476	rfaD	0.085221404	0.810268327
ecb_02219	yfbU	0.100434388	0.810611021
ecb_02183	arnT	0.100185351	0.810825408
ecb_01741	ydjH	-0.15675174	0.810825408
ecb_00268	betB	-0.100831827	0.810860645
ecb_03779	fdoG	0.190507394	0.81114514
ecb_04016	epmB	0.13288181	0.811385537
ecb_01775	fadD	-0.16074125	0.811863968
ecb_01041	ymdA	-0.164658297	0.812940589
ecb_01865	otsA	-0.083061603	0.812940589

ecb_02714	xdhD	0.140261451	0.814543879
ecb_01708	osmE	-0.210987941	0.814558293
ecb_03938	yjcF	-0.211210935	0.814558293
ecb_01635	ydhQ	0.123546972	0.814558293
ecb_03569	ibpB	0.116128563	0.814558293
ecb_03271	rtcA	0.1057845	0.814558293
ecb_03707	metR	0.146492817	0.814558293
ecb_02411	pbpC	-0.118516378	0.814558293
ecb_00410	maa	0.140108933	0.817225739
ecb_00280	yahK	-0.120167989	0.817225739
ecb_01060	grxB	0.108158704	0.817225739
ecb_00330	phoA	0.095602474	0.817225739
ecb_03820	priA	0.141541247	0.817225739
ecb_00052	folA	0.097096691	0.817225739
ecb_03810	glpX	0.153492501	0.817225739
ecb_03800	fieF	-0.117057028	0.817225739
ecb_02913	ribB	-0.111310466	0.817225739
ecb_02577	hypB	0.112988634	0.817225739
ecb_02317	crr	-0.132931497	0.817225739
ecb_02632	gudD	0.111522601	0.817225739
ecb_02883	yqhC	0.126138127	0.817225739
ecb_02410	ndk	0.216616269	0.817225739
ecb_03753	glnG	-0.211630333	0.817225739
ecb_02427	csiE	0.117953552	0.817225739
ecb_04061	ulaB	0.119390862	0.817225739
ecb_01595	cnu	-0.154866841	0.817225739
ecb_01790	yobD	0.169614357	0.817225739
ecb_03247	hofM	0.102527577	0.817225739
ecb_00002	thrA	0.113327971	0.817225739
ecb_02061	osmF	0.119948265	0.81759798
ecb_02631	barA	0.133623313	0.81759798
ecb_03030	npl	-0.09673692	0.81759798
ecb_02908	ygiA	0.124323896	0.81759798
ecb_03410	glyS	0.087816622	0.818367104
ecb_03197	yheO	0.130694872	0.819058836
ecb_00207	rnhA	-0.127583678	0.819822938
ecb_00357	secF	-0.129445066	0.820590305
ecb_01114	lolE	-0.137124715	0.821476097
ecb_00235	crl	-0.142453608	0.821476097
ecb_02809	yeeW	-0.167998056	0.822437658
ecb_01327	recE	-0.11464598	0.822630319
ecb_00072	setA	0.095732457	0.82298844
ecb_00958	fabA	-0.184071323	0.82298844
ecb_02420	iscA	-0.087587246	0.82298844
ecb_01781	yoaH	-0.139002791	0.823455144
ecb_02230	yfcl	-0.145538376	0.823701725
ecb_00438	cueR	-0.088270499	0.824131282
ecb_02923	glnE	0.125019878	0.824331299
ecb_02756	fbaA	0.079855453	0.824331299
ecb_01143	ycgG	-0.145630984	0.824331299

ecb_02914	yqiC	0.154842714	0.824331299
ecb_01007	wrbA	-0.248069734	0.824780977
ecb_00898	dmsA	0.131714687	0.824827683
ecb_00118	yacL	-0.143555481	0.825371655
ecb_00783	yliL	-0.271888255	0.825371655
ecb_04056	bsmA	-0.239491114	0.825371655
ecb_01113	lolD	-0.127970672	0.825371655
ecb_01670	fadK	0.11006834	0.825371655
ecb_01800	htpX	0.131633872	0.825371655
ecb_01610	anmK	-0.131918018	0.825371655
ecb_03652	ilvC	0.204369721	0.826463697
ecb_00371	thiI	-0.089441342	0.826778866
ecb_01212	galU	-0.152022514	0.826778866
ecb_03491	coaD	0.169127633	0.826778866
ecb_01155	ycgM	-0.126920058	0.827007849
ecb_00593	cspE	0.156452952	0.827007849
ecb_01340	ynaK	-0.133092322	0.827007849
ecb_00075	leuB	0.204878982	0.827486725
ecb_03043	ftsH	0.122574578	0.827645959
ecb_02116	yejK	0.191947301	0.827645959
ecb_02592	nlpD	-0.102071521	0.827974719
ecb_00372	yajL	-0.304193567	0.829756386
ecb_02569	hycG	0.114005808	0.829756386
ecb_03232	yhfW	0.105741177	0.829982165
ecb_01085	rpmF	-0.119305182	0.832045911
ecb_00234	frsA	0.093957265	0.832045911
ecb_00940	ssuA	-0.178346115	0.833278059
ecb_03604	bgIH	0.182359442	0.833278059
ecb_03135	smg	-0.108485502	0.833278059
ecb_01899	erfK	-0.12279541	0.833956149
ecb_02385	yfgO	-0.127917359	0.833956149
ecb_01827	mepM	0.091014988	0.833956149
ecb_04262	lplA	0.084782417	0.833956149
ecb_00796	gsiA	0.124042923	0.834276456
ecb_02994	prlF	-0.097791989	0.834276456
ecb_02688	ygeA	0.108851344	0.834276456
ecb_03637	rbsB	0.122314172	0.835099068
ecb_00466	allC	-0.121121906	0.835944608
ecb_01774	rnd	-0.13462334	0.835944608
ecb_02701	xdhC	0.109674391	0.835944608
ecb_00918	msbA	0.124139756	0.835944608
ecb_01616	sodC	0.083311119	0.835944608
ecb_01502	ydfJ	0.129689868	0.835944608
ecb_03011	yraJ	0.100561778	0.835944608
ecb_01735	sppA	0.146511407	0.835944608
ecb_02680	ygdQ	-0.118622817	0.836171075
ecb_01734	ydjA	0.074538438	0.836405965
ecb_00113	aceE	0.091964159	0.836405965
ecb_03678	hemX	0.095123869	0.837050011
ecb_02243	truA	0.160341784	0.837050011

ecb_01912	sbmC	-0.099643551	0.837050011
ecb_02864	gss	0.092921674	0.837050011
ecb_01211	rssB	-0.127163898	0.837050011
ecb_01107	comR	0.119147559	0.83717462
ecb_03883	purH	0.199198538	0.83717462
ecb_02771	yqgD	0.191047676	0.837179941
ecb_02232	hisM	-0.141509877	0.83720566
ecb_02562	hypF	0.133479031	0.837419653
ecb_03743	mobA	-0.145583554	0.837605671
ecb_02671	ppdC	0.099795228	0.837605671
ecb_02173	yfaW	0.108784425	0.838232174
ecb_02564	ascG	0.121003351	0.838746095
ecb_00657	ybfA	0.170728572	0.839708761
ecb_03552	uhpB	-0.0914776	0.839828437
ecb_01894	amn	-0.088817328	0.839928504
ecb_04236	opgB	0.139652831	0.841166163
ecb_04213	symE	-0.123580213	0.841211848
ecb_02515	csiD	-0.12484581	0.841211848
ecb_03097	argR	0.107501134	0.841211848
ecb_01460	ydeQ	0.204734782	0.841211848
ecb_03659	trxA	-0.073399192	0.841211848
ecb_01248	sohB	0.094302381	0.841550576
ecb_00985	etp	0.080091031	0.841550576
ecb_03696	yigF	-0.160493936	0.841550576
ecb_00777	glnP	0.107950461	0.841578672
ecb_01166	cvrA	0.12673044	0.841792543
ecb_00459	glxR	0.126168366	0.841954442
ecb_02579	hypD	0.100984562	0.841954442
ecb_01777	tsaB	0.092706501	0.842102137
ecb_01456	ydeN	0.145052274	0.842788324
ecb_01378	trg	-0.168682089	0.843004032
ecb_00276	yahF	0.124898378	0.843239349
ecb_00122	cueO	0.292966635	0.843569536
ecb_03050	rpmA	-0.122044534	0.843569536
ecb_02196	elaD	-0.096093994	0.843569536
ecb_03988	adiA	0.133734743	0.84609497
ecb_02580	hypE	0.148607087	0.846652732
ecb_03948	nrfG	0.431405419	0.848679388
ecb_02808	cbtA	0.210808074	0.848679388
ecb_03234	yhfY	0.114681147	0.848960106
ecb_00810	ybjH	-0.107812091	0.848960106
ecb_03095	degS	-0.104805001	0.849174665
ecb_02454	yfhB	-0.119561459	0.849174665
ecb_00774	rlmF	-0.115112349	0.849885448
ecb_01010	rutF	-0.098459798	0.849885448
ecb_02459	recO	0.094724211	0.84997053
ecb_00003	thrB	0.096821225	0.850634888
ecb_03670	wzxE	0.150628541	0.850634888
ecb_02974	yhaJ	0.096795731	0.850807549
ecb_00767	ybiB	-0.136245692	0.850807549

ecb_01192	ldrB	-0.14141817	0.851384411
ecb_02213	nuoA	-0.082318464	0.851605446
ecb_02666	argA	0.139269659	0.852395456
ecb_04255	yjjW	0.150462062	0.852395456
ecb_00945	elfG	-0.087453295	0.852395456
ecb_03397	yhjX	0.133401432	0.852395456
ecb_02626	mazG	-0.11170024	0.852395456
ecb_00873	ybjS	0.139632047	0.852395456
ecb_00793	moeB	-0.210991581	0.852395456
ecb_01177	ycgV	0.098787106	0.852395456
ecb_02716	guaD	0.153874726	0.852395456
ecb_03007	agaD	0.100914555	0.852395456
ecb_03274	glpR	0.073244403	0.852395456
ecb_00284	yahO	-0.170463271	0.852395456
ecb_00239	proB	0.14615055	0.852395456
ecb_03316	yhhM	-0.079968052	0.852395456
ecb_01826	lpxM	0.09160886	0.852395456
ecb_00811	ybjI	-0.094023206	0.852395456
ecb_03175	gspC	0.185147716	0.852395456
ecb_01555	ynfD	-0.126375964	0.852395456
ecb_03341	yhiN	-0.088486532	0.852395456
ecb_00910	ycaP	-0.112358741	0.852395456
ecb_00956	ymbA	-0.102109844	0.852395456
ecb_01162	fadR	0.13825216	0.852395456
ecb_01655	menI	0.155296836	0.852395456
ecb_03549	adeD	0.095566027	0.852767995
ecb_01653	sufA	-0.11357327	0.852767995
ecb_00473	purE	-0.095371184	0.853022681
ecb_03667	rffH	0.11777318	0.853022681
ecb_01918	yeeY	-0.098521315	0.853022681
ecb_03184	gspL	0.175617207	0.853022681
ecb_02959	ygjV	0.109038795	0.853022681
ecb_02052	yehR	-0.109575757	0.853022681
ecb_01598	rsxB	-0.122085307	0.853132128
ecb_01750	yeaE	-0.090063155	0.85328138
ecb_03775	yiiF	-0.111862968	0.85328138
ecb_04117	bdcR	0.118347879	0.85328138
ecb_03245	hofO	0.105073462	0.85328138
ecb_00360	yajI	0.118250877	0.85328138
ecb_03496	dfp	0.108196924	0.85389465
ecb_02369	bamC	-0.105814261	0.85389465
ecb_01087	fabH	0.100996914	0.855822133
ecb_00345	sbcC	0.115637247	0.855822133
ecb_02581	fhlA	-0.108437729	0.855822133
ecb_02252	yfcA	0.162944925	0.855822133
ecb_02379	hyfG	0.103600265	0.855822133
ecb_03833	ptsA	0.102383905	0.855822133
ecb_04066	yjfY	0.109515563	0.855954812
ecb_03036	nusA	-0.091584465	0.857903427
ecb_00083	rsmH	-0.130737316	0.858814559

ecb_02980	tdcF	0.107128295	0.859388149
ecb_03114	accC	0.086996982	0.860128534
ecb_04156	fecB	-0.117331456	0.860128534
ecb_01383	ydcH	-0.157776958	0.860128534
ecb_01492	eamA	-0.115863059	0.861026266
ecb_00982	appB	0.069143508	0.861053878
ecb_01693	ydiZ	0.144818586	0.861357998
ecb_03252	hslR	0.095297526	0.861357998
ecb_01497	dcp	0.163769937	0.861357998
ecb_02396	yfgG	-0.122746864	0.861671223
ecb_01272	ymjA	-0.103402352	0.861671223
ecb_03766	yihT	0.167589558	0.861677205
ecb_02984	tdcB	0.124321268	0.861677205
ecb_04152	yjhV	-0.140383115	0.863569859
ecb_03893	pepE	-0.098539982	0.863569859
ecb_00617	rihA	0.170706668	0.863569859
ecb_02576	hypA	0.12427438	0.863569859
ecb_01970	asmA	-0.095035421	0.863732629
ecb_01651	sufC	-0.105328492	0.863732629
ecb_01338	rzpR	0.137943703	0.863732629
ecb_03189	chiA	-0.093633681	0.863732629
ecb_03922	pspG	-0.142058331	0.863732629
ecb_02968	yqjE	0.156528551	0.863732629
ecb_03381	bcsA	-0.099928235	0.863732629
ecb_02387	yfgD	-0.108277767	0.863732629
ecb_00675	abrB	0.17653201	0.864041351
ecb_02288	lpxP	-0.112059286	0.864041351
ecb_03229	yhfT	0.073293144	0.864481268
ecb_04025	frdB	0.095181179	0.864481268
ecb_01712	spy	-0.071278044	0.864481268
ecb_01431	yddG	-0.15909849	0.864481268
ecb_03658	rhlB	-0.075646924	0.864481268
ecb_03002	agaA	0.105006713	0.864481268
ecb_00260	rclA	0.099071545	0.864481268
ecb_00347	phoB	-0.072970496	0.864847002
ecb_03503	yicG	0.173092676	0.864979617
ecb_01749	yeaD	0.103482443	0.865567726
ecb_00141	folK	0.115890456	0.866180003
ecb_03430	yiaN	0.140128542	0.866180003
ecb_03382	yhjQ	-0.101084308	0.866464486
ecb_02376	hyfD	0.099468165	0.867895483
ecb_01273	puuP	-0.113838501	0.867895483
ecb_00592	pagP	-0.115761312	0.867895483
ecb_01427	narK	0.095080849	0.867895483
ecb_00138	htrE	0.118434735	0.867895483
ecb_01636	ydhR	-0.099238779	0.867914408
ecb_02104	lpxT	0.105292815	0.867914408
ecb_02594	umpG	0.118695865	0.868595022
ecb_03672	wzyE	0.119592563	0.868595022
ecb_02165	glpQ	0.137448486	0.87000612

ecb_01149	minE	-0.128093518	0.871031472
ecb_03077	gltB	0.180623957	0.871296227
ecb_02086	yeiE	-0.133285964	0.871296227
ecb_02193	elaB	-0.154154847	0.871296227
ecb_03865	yjaZ	-0.106691903	0.871368123
ecb_01198	ychO	-0.085584213	0.871867189
ecb_04107	treC	0.1791032	0.871867189
ecb_00630	ubiF	-0.157171855	0.871867189
ecb_02982	tdcD	0.116408636	0.871867189
ecb_03756	typA	-0.103219159	0.871867189
ecb_03811	glpK	0.25214351	0.871867189
ecb_03643	yifE	0.173592433	0.871867189
ecb_01603	nth	-0.087666784	0.871867189
ecb_00125	can	0.103287796	0.871867189
ecb_04139	yjgZ	0.093630781	0.871867189
ecb_03504	ligB	-0.106486658	0.871867189
ecb_00089	murD	-0.177125533	0.871867189
ecb_01470	hipB	0.102401535	0.871867189
ecb_00106	hofB	0.150009079	0.871867189
ecb_02380	hyfH	0.094254257	0.871948574
ecb_01825	pykA	-0.098540127	0.871948574
ecb_01318	ydaM	-0.129498042	0.871948574
ecb_03372	yhjG	0.130145775	0.871948574
ecb_03661	rho	0.16922964	0.871948574
ecb_01455	ydeM	0.152614184	0.872137874
ecb_02118	yejM	-0.093473337	0.872137874
ecb_01368	hrpA	0.131825383	0.872137874
ecb_01965	wcaA	0.109043142	0.872460265
ecb_00670	ybgl	0.071004108	0.872460265
ecb_03890	iclR	-0.106668047	0.872460265
ecb_00870	ybjP	0.081258448	0.872460265
ecb_00638	chiP	-0.206936831	0.872460265
ecb_01302	ycjG	-0.143253531	0.872460265
ecb_00883	macA	0.112057481	0.873424608
ecb_00109	ampD	-0.072427163	0.873424608
ecb_03877	hupA	-0.104553723	0.873424608
ecb_01480	yneG	-0.098664269	0.873424608
ecb_00534	cusF	-0.379272736	0.873424608
ecb_00636	nagE	0.20529854	0.873974763
ecb_04026	frdA	0.077380507	0.873974763
ecb_00890	cydC	0.202370044	0.873974763
ecb_03033	truB	0.098164608	0.873974763
ecb_02258	yfcP	0.099920289	0.873974763
ecb_03642	hdfR	-0.115590486	0.873974763
ecb_03995	dcuR	0.112565216	0.873974763
ecb_03934	soxS	-0.160312079	0.873974763
ecb_01416	yncl	-0.187137156	0.873974763
ecb_03630	ravA	0.127326821	0.873974763
ecb_02610	queD	0.07209355	0.873974763
ecb_03622	atpB	0.111645203	0.8742919

ecb_03071	npr	-0.14761514	0.874921312
ecb_00381	cyoC	0.077411577	0.874921312
ecb_03426	yiaJ	-0.080550105	0.874921312
ecb_00714	modE	-0.085172771	0.876902938
ecb_03042	folP	0.08902831	0.878047245
ecb_03957	alsE	0.114957811	0.878047245
ecb_03179	gspG	0.184454416	0.878047245
ecb_03336	rbbA	0.113919272	0.878047245
ecb_02785	yggW	0.118963671	0.878424458
ecb_02234	hisJ	-0.075325364	0.878424458
ecb_03212	fic	0.084442416	0.878424458
ecb_04251	osmY	-0.087807036	0.878424458
ecb_02469	yfiC	0.086822298	0.878424458
ecb_03809	fpr	0.129562898	0.878424458
ecb_02432	hcaC	-0.077112911	0.878424458
ecb_00460	ybbV	-0.321209448	0.878424458
ecb_00216	fadE	-0.167784247	0.878424458
ecb_03311	ftsX	-0.137339827	0.878424458
ecb_02149	atoA	0.100944894	0.878424458
ecb_03597	yieF	-0.127233457	0.878424458
ecb_01902	cobU	-0.106762796	0.878424458
ecb_03074	elbB	0.08128603	0.878424458
ecb_04086	cysQ	0.121059364	0.878424458
ecb_02600	cysC	0.205830668	0.878424458
ecb_02174	yfaX	0.108560563	0.878424458
ecb_00005	yaaX	-0.107730979	0.878424458
ecb_03751	yihI	-0.11282633	0.879404012
ecb_00043	caiA	0.070596846	0.879557817
ecb_00475	ppiB	0.075190917	0.880525054
ecb_03004	kbaY	0.119340106	0.880759034
ecb_03664	rffE	0.101119614	0.88087856
ecb_00019	nhaR	-0.093517777	0.881648695
ecb_03276	glpE	0.089410629	0.882438434
ecb_01059	yceB	-0.082440108	0.882438434
ecb_03796	yiiM	-0.069458737	0.882438434
ecb_01405	mnaT	-0.104435547	0.882438434
ecb_00520	envY	0.094892525	0.883303382
ecb_02830	yghE	-0.081787416	0.883303382
ecb_00229	yafP	0.130000602	0.883303382
ecb_03213	yhfG	0.105490652	0.883303382
ecb_00395	fadM	-0.14789292	0.883303382
ecb_03076	yhcC	0.091824614	0.883303382
ecb_00706	ybgS	0.095027017	0.883303382
ecb_03728	ubiB	0.072620693	0.883303382
ecb_03022	yhbQ	-0.12311322	0.883303382
ecb_01099	hinT	0.118045987	0.883303382
ecb_00110	ampE	-0.103073002	0.884314045
ecb_02209	nuoF	-0.17862514	0.884385141
ecb_00559	fepB	-0.103558925	0.884520969
ecb_02435	yphA	-0.106998903	0.884520969

ecb_01366	ynbD	0.090142588	0.884520969
ecb_02168	glpB	0.080033847	0.884520969
ecb_00852	ybjL	-0.0930496	0.884520969
ecb_01623	lhr	-0.095575773	0.884520969
ecb_02251	epmC	-0.138609498	0.884520969
ecb_02508	smpB	0.139500225	0.884520969
ecb_01193	ldrC	-0.126786994	0.884520969
ecb_02381	hyfl	0.104461516	0.884520969
ecb_00748	moaA	-0.096170511	0.884520969
ecb_01853	cheY	0.074761207	0.884520969
ecb_04188	fimG	0.098048664	0.884520969
ecb_02366	tmcA	0.111284778	0.884520969
ecb_03621	atpE	0.090907187	0.884520969
ecb_03917	yjbj	-0.104169477	0.884520969
ecb_03836	pflD	0.085942844	0.884520969
ecb_04033	queG	0.131441301	0.884520969
ecb_00348	phoR	0.083357206	0.884520969
ecb_04243	bgIJ	-0.133793535	0.884520969
ecb_02368	purC	-0.139481512	0.884520969
ecb_04212	mcrB	-0.093650958	0.884520969
ecb_00884	macB	-0.096080638	0.884520969
ecb_02400	guaB	-0.106488677	0.884520969
ecb_04027	epmA	0.09449608	0.884520969
ecb_02330	yfeW	0.107026546	0.884520969
ecb_03649	ilvD	-0.224664022	0.885510783
ecb_03343	uspB	-0.077460806	0.886076054
ecb_00631	asnB	0.118183006	0.886751802
ecb_01125	pepT	-0.094682113	0.887035972
ecb_03852	murI	-0.077451228	0.887207506
ecb_03673	rffM	0.091048891	0.887372385
ecb_00542	ybdK	0.122840905	0.887372385
ecb_01178	yehF	0.095740851	0.887372385
ecb_00042	caiB	-0.18899001	0.887372385
ecb_03903		0.109644974	0.887372385
ecb_00602	rlpA	-0.071303072	0.887372385
ecb_02341	eutB	0.079999193	0.887372385
ecb_03972	phnH	0.109328188	0.887372385
ecb_01557	ynfF	0.149520388	0.887372385
ecb_02169	glpC	0.130286039	0.887372385
ecb_00256	eaeH	0.086096746	0.887372385
ecb_00990	gfcA	-0.279588369	0.887372385
ecb_01147	ymgG	0.116630421	0.887372385
ecb_02850	yghO	0.109804822	0.887372385
ecb_00062	polB	-0.107498999	0.887372385
ecb_02364	yphN	-0.13186221	0.887372385
ecb_01591	malY	-0.097015272	0.887372385
ecb_02458	pdxJ	0.100947641	0.887439378
ecb_00500	rusA	0.0824944	0.887439378
ecb_03340	yhiM	0.101653194	0.888002294
ecb_03882	purD	0.104387638	0.888398509

ecb_01421	nhoA	-0.08872633	0.889209568
ecb_01264	yciW	0.173632783	0.889209568
ecb_00028	yaaY	-0.078440226	0.889933266
ecb_01314	abgB	0.147730275	0.889933266
ecb_00040	caiD	0.081492152	0.889933266
ecb_01764	yeaQ	-0.127418887	0.890192501
ecb_01269	sapC	0.09422152	0.890192501
ecb_03471	envC	0.096497615	0.890303384
ecb_02993	garD	0.097793339	0.890303384
ecb_01292	ycjS	0.088936209	0.89206224
ecb_01185	hemA	0.118118038	0.89206224
ecb_00740	ybhB	0.097529431	0.89206224
ecb_02286	ypdI	-0.140684783	0.89206224
ecb_00465	allE	0.154058628	0.892558235
ecb_02711	ygfK	0.08871637	0.892560943
ecb_01848	yecT	-0.141489771	0.892560943
ecb_02323	cysW	-0.11644448	0.892560943
ecb_01743	ydjJ	0.091514485	0.892866764
ecb_00607	cobC	-0.089534795	0.892866764
ecb_03324	acpT	0.10084346	0.892866764
ecb_00868	artI	0.115927068	0.892866764
ecb_03790	rhaB	-0.120420744	0.892866764
ecb_01097	ptsG	0.107343621	0.892866764
ecb_02278	emrK	0.130116224	0.892866764
ecb_00628	ybeZ	0.101526753	0.892866764
ecb_02615	ygcR	0.093457973	0.893560396
ecb_03783	frvX	-0.102467027	0.894167604
ecb_04184	fimI	0.120775089	0.894982561
ecb_00722	ybhH	0.094024035	0.895184797
ecb_00715	acrZ	-0.170738909	0.895184797
ecb_01508	stfR	0.142299192	0.895184797
ecb_02573	hycC	0.084096526	0.895184797
ecb_00091	murG	-0.156151535	0.895184797
ecb_01003	cbpA	-0.072316894	0.895469968
ecb_02255	prmB	0.175614562	0.895469968
ecb_00625	Int	-0.168755834	0.895469968
ecb_03298	ugpQ	-0.104853214	0.896279185
ecb_03010	yral	0.103415474	0.896279185
ecb_01808	yebW	-0.085738988	0.896279185
ecb_02477	yfiP	-0.066925146	0.896279185
ecb_00481	sfmC	0.12275788	0.896279185
ecb_03789	rhaA	0.13000557	0.896279185
ecb_01683	pheS	0.084261094	0.896279185
ecb_01560	dmsD	-0.091188731	0.896279185
ecb_02315	ptsH	-0.077070039	0.896279185
ecb_02170	yfaD	-0.111372319	0.896279185
ecb_01812	yobA	-0.085053738	0.896279185
ecb_01854	cheB	0.077273629	0.896279185
ecb_03665	rffD	0.092129276	0.896279185
ecb_03583	recF	0.109207782	0.896279185

ecb_00179	lpxA	-0.155819072	0.896279185
ecb_01864	uspC	-0.095668626	0.896279185
ecb_02878	yghA	0.104880372	0.896279185
ecb_01213	hns	-0.096097843	0.896316887
ecb_03639	rbsR	-0.120942319	0.896442553
ecb_01765	yoaG	0.114817002	0.896442553
ecb_01411	yncG	-0.129154283	0.896442553
ecb_02685	galR	0.0941783	0.897054406
ecb_00354	tgt	0.115394791	0.89748328
ecb_03326	nikB	0.118677471	0.897936932
ecb_01630	ydhB	-0.092921656	0.899051172
ecb_03052	ispB	0.07734471	0.899145497
ecb_00004	thrC	0.071906754	0.900905747
ecb_03194	tusB	0.144937927	0.900905747
ecb_01728	nudG	0.085691716	0.901081693
ecb_00497	ybcN	0.143360237	0.902456789
ecb_02049	yehM	-0.085188942	0.902466513
ecb_00932	aspC	0.057651786	0.902466513
ecb_02733	bglA	-0.107923824	0.902466513
ecb_01406	curA	0.079114671	0.903317548
ecb_01820	purT	0.136336922	0.903317548
ecb_04098	ytfT	0.096186979	0.903317548
ecb_03055	ibaG	0.065507771	0.903317548
ecb_03930	uvrA	0.104473709	0.903317548
ecb_00445	tesA	-0.061519018	0.903317548
ecb_03329	nikE	0.1201582	0.903547269
ecb_01407	mcbR	-0.1154559	0.903547269
ecb_02659	gcvA	0.090920668	0.903547269
ecb_01205	narI	0.087258354	0.903547269
ecb_02175	yfaY	-0.065448383	0.903547269
ecb_01260	osmB	0.098913473	0.903547269
ecb_02059	yehX	-0.097597987	0.903562559
ecb_00261	rclR	0.107828753	0.903951121
ecb_01785	yoaD	0.126734578	0.904073362
ecb_00156	yadS	-0.079731114	0.904871581
ecb_04039	hfq	0.064255812	0.904970714
ecb_02297	fryB	0.074213137	0.905058041
ecb_03839	yijO	0.06554345	0.905125019
ecb_03330	nikR	0.126852342	0.905344256
ecb_02030	yegX	-0.099408122	0.905344256
ecb_02537	ygaZ	-0.074241869	0.905575384
ecb_04097	ytfR	0.09842734	0.905575384
ecb_03873	nudC	0.080629131	0.905575384
ecb_04060	ulaA	-0.066830311	0.905575384
ecb_01792	rlmA	-0.084056376	0.905575384
ecb_01394	yncJ	0.099824098	0.905575384
ecb_03831	gldA	0.090362885	0.905575384
ecb_02336	hemF	0.08349391	0.905575384
ecb_00798	gsiC	-0.102724732	0.905575384
ecb_03863	rpoB	0.064535257	0.905805979

ecb_00857	rimK	0.085858842	0.906258605
ecb_01685	rpIT	-0.161710988	0.906258605
ecb_03435	sgbE	0.107668638	0.906271713
ecb_04087	ytfJ	-0.086565989	0.906271713
ecb_00603	mrdB	-0.079127572	0.906271713
ecb_03317	yhhN	-0.086298659	0.906271713
ecb_01158	umuD	-0.084803154	0.906271713
ecb_01763	yeaP	-0.061406455	0.906271713
ecb_01481	yneH	-0.086925464	0.906271713
ecb_04252	ytjA	-0.089181653	0.906271713
ecb_00655	kdpA	0.111206695	0.906271713
ecb_00846	yfdK	0.116854487	0.906271713
ecb_03618	atpA	0.08835864	0.906271713
ecb_02628	mazE	-0.090903806	0.906271713
ecb_03473	waaH	0.080153894	0.907131768
ecb_01052	yceI	-0.084664028	0.907542594
ecb_03458	yibL	-0.181793337	0.907703008
ecb_03312	ftsE	-0.103652803	0.907703008
ecb_03425	ysaA	-0.089317393	0.907703008
ecb_00086	murE	-0.121820863	0.907984029
ecb_03668	rffC	0.083766145	0.908359139
ecb_02256	smrB	0.094701304	0.908437931
ecb_03373	yhjH	0.084585257	0.908437931
ecb_00425	adk	-0.092314816	0.908437931
ecb_03100	aaeB	0.092926596	0.908623728
ecb_04011	yjeH	-0.099906556	0.908623728
ecb_02674	ppdA	0.082360764	0.908623728
ecb_01229	yciC	0.062553026	0.908623728
ecb_03782	frvR	0.117998885	0.908623728
ecb_02761	yggF	0.109048882	0.908623728
ecb_01773	yeaX	0.121290745	0.908623728
ecb_01620	nemA	-0.073563351	0.908623728
ecb_02082	folE	0.059726771	0.90862914
ecb_01419	pptA	-0.092279663	0.909129793
ecb_01039	csgA	-0.08350148	0.909129793
ecb_03853	murB	0.077130742	0.909129793
ecb_03990	melA	0.092656968	0.909129793
ecb_01294	ycjU	0.097195736	0.909129793
ecb_00772	fiu	-0.103255969	0.909129793
ecb_03619	atpH	0.144293778	0.909129793
ecb_01874	yecH	0.082961712	0.909129793
ecb_00499	ybcO	0.108755597	0.909129793
ecb_02051	yehQ	-0.110765	0.909129793
ecb_02031	thiD	-0.088433041	0.911089986
ecb_02263	yfcV	0.085017039	0.911089986
ecb_02139	alkB	0.091994196	0.911089986
ecb_02990	garR	0.09595899	0.911089986
ecb_00583	citF	0.094946059	0.911089986
ecb_04002	cadA	0.106228869	0.911089986
ecb_00082	mraZ	-0.080806921	0.911089986

ecb_04135	ahr	0.103243347	0.911089986
ecb_03046	greA	-0.092828588	0.911089986
ecb_01034	csgG	0.08914415	0.911089986
ecb_02896	ygiW	-0.081288064	0.911186906
ecb_01900	cobT	0.107247136	0.911335536
ecb_00878	hcp	0.072386555	0.912390892
ecb_01016	rutR	0.104046345	0.912390892
ecb_00041	caiC	0.091668161	0.912390892
ecb_00045	fixA	0.095024004	0.912390892
ecb_01000	torA	0.067722503	0.912390892
ecb_03263	yhgA	-0.076884872	0.913624394
ecb_02642	sdaB	-0.097330346	0.913752667
ecb_03650	ilvA	-0.08182494	0.913752667
ecb_01440	osmC	-0.103156351	0.915015053
ecb_03292	yhhY	0.152670526	0.915015053
ecb_03237	gph	0.08078837	0.915015053
ecb_02273	yfdC	0.101600318	0.915015053
ecb_03206	prkB	-0.079536315	0.915015053
ecb_02918	yqil	0.092863421	0.915015053
ecb_02946	ebgC	0.105364352	0.915015053
ecb_00779	dps	0.065403198	0.915015053
ecb_00894	ftsK	-0.091797543	0.915015053
ecb_03772	dtd	0.055480989	0.915488878
ecb_01322	intR	-0.179437154	0.915621871
ecb_00720	pgl	0.118314447	0.915621871
ecb_02421	iscU	-0.057245541	0.915621871
ecb_01744	ydjK	0.069027268	0.915621871
ecb_02326	ucpA	0.093682289	0.915621871
ecb_02707	yqeA	-0.078375906	0.916043824
ecb_01361	ydbC	-0.076952075	0.916520686
ecb_04185	fimC	0.111822872	0.916520686
ecb_02566	ascB	-0.076867595	0.916928332
ecb_01876	yecA	0.087435434	0.917115405
ecb_02371	gcvR	0.079108062	0.917115405
ecb_00998	torR	0.064699815	0.917115405
ecb_01169	ycgR	-0.078079051	0.917115405
ecb_04022	ampC	0.152108945	0.917115405
ecb_03553	uhpA	0.074960261	0.917367875
ecb_04123	yjgN	0.084459205	0.917367875
ecb_02181	arnA	-0.092879958	0.917367875
ecb_00941	ssuE	0.070257678	0.917367875
ecb_00805	gstB	-0.089358984	0.917367875
ecb_03815	menA	0.07452682	0.917367875
ecb_02697	ygeQ	0.095450204	0.917367875
ecb_01291	ycjR	0.086361196	0.917367875
ecb_01038	csgB	0.070877773	0.917367875
ecb_04048	yjfl	-0.141434287	0.917367875
ecb_00799	gsiD	-0.092015902	0.917367875
ecb_01375	ydcA	-0.113628675	0.9174169
ecb_01118	cobB	-0.060810743	0.9174169

ecb_01042	ymdB	-0.115982345	0.9174169
ecb_00501	ylcG	0.163420973	0.918289428
ecb_02524	ygaP	0.062511038	0.918440853
ecb_00691	mngB	0.084589418	0.918440853
ecb_00448	rhdD	-0.093577483	0.918992786
ecb_02952	higB	0.088895058	0.918992786
ecb_04250	prfC	0.081916187	0.919007149
ecb_00199	gmhB	-0.08855019	0.919007149
ecb_01817	yebE	-0.081236358	0.919239141
ecb_01196	chaC	-0.074430021	0.919239141
ecb_00757	ybhP	-0.114057884	0.919239141
ecb_00654	kdpB	0.082403757	0.919239141
ecb_00658	rhcC	-0.126596345	0.919239141
ecb_00458	hyi	0.094593757	0.919239141
ecb_01388	ydcL	-0.096017056	0.919239141
ecb_04239	dnaT	-0.066781962	0.919239141
ecb_00558	entS	0.134659305	0.919239141
ecb_02394	ppx	0.076079242	0.919307242
ecb_02871	hybB	0.105863976	0.919307242
ecb_02692	yqeF	-0.158223168	0.920452583
ecb_01030	ghrA	0.072181513	0.920452583
ecb_02889	ftsP	-0.102389774	0.920509011
ecb_00053	apaH	0.098741891	0.920869338
ecb_02787	ansB	-0.132530488	0.922057754
ecb_00318	tauD	0.135971193	0.922057754
ecb_00960	matP	-0.091238301	0.922088968
ecb_00368	dxs	0.153115017	0.922911497
ecb_03173	gspB	0.132287755	0.923146662
ecb_03989	meiR	-0.1023357	0.923352946
ecb_00134	yadC	0.081678951	0.923352946
ecb_01250	topA	0.0602691	0.923839749
ecb_03687	xerC	0.096176613	0.924196625
ecb_02167	glpA	0.090762292	0.924552121
ecb_00088	mraY	-0.101461106	0.924646004
ecb_03608	phoU	-0.061988615	0.924840597
ecb_01833	yebB	-0.095588043	0.924883877
ecb_00161	cdaR	-0.10261615	0.924886212
ecb_00449	ybbC	-0.13680657	0.92753411
ecb_03008	agal	0.083124782	0.92753411
ecb_03246	hofN	0.064689881	0.92753411
ecb_02501	yfjD	0.057785742	0.92753411
ecb_02075	preT	0.084171692	0.928262503
ecb_01579	tus	-0.115388597	0.928571026
ecb_00952	rlmL	0.099110079	0.92878139
ecb_01766	yeaR	0.109617473	0.92878139
ecb_02087	yehH	0.073249062	0.92878139
ecb_03573	cbrA	-0.070195211	0.92878139
ecb_01801	prc	0.103189859	0.92878139
ecb_03204	yheT	-0.124739905	0.92878139
ecb_03039	yhbX	0.116722885	0.92878139

ecb_04266	nadR	-0.108559875	0.929073204
ecb_01770	dmlA	0.083557037	0.929344978
ecb_02372	bcp	0.08273788	0.929421133
ecb_03954	mdtN	0.087160148	0.930380867
ecb_01556	ynfE	0.076646822	0.930380867
ecb_03092	yhcM	0.076001497	0.930638123
ecb_01531	rem	-0.078105402	0.930767211
ecb_03243	hofQ	0.072085474	0.930775507
ecb_03832	fsaB	0.068186758	0.930775507
ecb_00771	ybiX	-0.072940452	0.930775507
ecb_03947	nrfF	-0.054465886	0.931351139
ecb_02260	yfcR	0.103313611	0.932080406
ecb_01333	ydaG	-0.096831804	0.932080406
ecb_00977	hyaC	0.069971267	0.932080406
ecb_00269	betI	0.082813658	0.932080406
ecb_01617	ydhF	0.05867098	0.932080406
ecb_01891	yeeJ	0.060017971	0.932080406
ecb_02121	ccmH	0.152995563	0.932080406
ecb_01231	yciE	0.091189435	0.932326648
ecb_03244	hofP	0.078496152	0.932326648
ecb_00468	fdrA	0.0913326	0.932326648
ecb_03987	adiY	0.117392563	0.932326648
ecb_01599	rsxC	-0.09901672	0.932326648
ecb_03691	yigE	0.068988309	0.932326648
ecb_03218	nirC	0.076955694	0.932326648
ecb_00436	ybaS	0.077638984	0.932326648
ecb_04265	radA	-0.112725717	0.932477493
ecb_03047	dacB	-0.125320861	0.932477493
ecb_01226	tonB	-0.088209471	0.933187804
ecb_04127	lptF	0.069206509	0.933187804
ecb_03180	gspH	0.130230169	0.933187804
ecb_03881	zraR	0.076077924	0.933187804
ecb_02721	idi	-0.097803934	0.933187804
ecb_03773	yiiD	0.060878539	0.933187804
ecb_01215	adhE	0.065017723	0.933187804
ecb_02500	ypjD	0.062521742	0.933187804
ecb_03717	ysgA	0.054446315	0.933187804
ecb_03006	agaC	0.078145411	0.933187804
ecb_03452	yibH	0.075257131	0.933187804
ecb_00885	cspD	-0.150146877	0.933187804
ecb_02211	nuoC	0.0704433	0.933187804
ecb_02916	yqiG	0.097150997	0.933187804
ecb_03334	yhhI	-0.13020403	0.933187804
ecb_01842	cmoB	0.108200445	0.933187804
ecb_02020	gatA	0.085888156	0.933187804
ecb_00888	infA	-0.109649858	0.933187804
ecb_03878	yjaH	-0.075851263	0.933187804
ecb_03666	rffG	0.070832376	0.933187804
ecb_00912	aroA	0.109751148	0.933187804
ecb_02738	ubil	-0.085717826	0.933187804

ecb_02662	csdE	0.054074572	0.933971411
ecb_00698	tolR	0.073170412	0.934018044
ecb_03838	frwD	-0.067499206	0.934018044
ecb_01472	ydeZ	0.103935658	0.934018044
ecb_03688	yigB	0.084533958	0.934018044
ecb_02047	yehK	-0.143569377	0.935144093
ecb_00200	dkgB	-0.13962888	0.935263372
ecb_00703	nadA	-0.081261763	0.935358923
ecb_01426	narG	0.100744657	0.935358923
ecb_00100	mutT	-0.092549822	0.935358923
ecb_01348	ompN	0.084380935	0.936208757
ecb_03944	nrfC	0.063800582	0.936284703
ecb_04242	yjjQ	0.080044412	0.936284703
ecb_02673	ppdB	0.054181751	0.936284703
ecb_00648	potE	0.053739265	0.936567146
ecb_02559	norR	0.058737296	0.936567146
ecb_01044	opgC	0.078364617	0.936567146
ecb_03757	yihL	0.105310255	0.936567146
ecb_03888	aceK	-0.074521645	0.936567146
ecb_02159	yfaL	-0.067678822	0.936567146
ecb_03754	glnL	-0.120878658	0.936567146
ecb_01668	ydiS	-0.059764484	0.936567146
ecb_00776	glnQ	0.065697663	0.936567146
ecb_00599	lipB	0.054649859	0.936567146
ecb_03589	yidC	0.054818954	0.937161909
ecb_02895	ygiV	0.098892414	0.937179418
ecb_03910	yjbl	-0.065791808	0.937222909
ecb_03220	yhfL	0.096867221	0.937569927
ecb_02318	pdxK	-0.10529755	0.937569927
ecb_02675	thyA	0.075688657	0.937569927
ecb_03980	crfC	0.072962971	0.937569927
ecb_01637	ydhS	-0.103726464	0.937569927
ecb_01772	yeaW	0.100159602	0.937569927
ecb_02060	yehY	-0.079887364	0.937569927
ecb_00331	psiF	-0.081738413	0.937569927
ecb_02627	mazF	-0.088934058	0.937791304
ecb_00103	coaE	0.062019469	0.937791304
ecb_03375	yhjJ	-0.086243154	0.937791304
ecb_00480	sfmA	0.075620178	0.937791304
ecb_01299	ycjF	0.065014409	0.937791304
ecb_01688	thrS	0.065712032	0.937791304
ecb_03099	yhcO	-0.080358167	0.937791304
ecb_01483	yneJ	0.093860591	0.937791304
ecb_02447	yfhG	0.057166971	0.937791304
ecb_00404	tesB	-0.073224855	0.937791304
ecb_04272	rob	-0.056256925	0.938306655
ecb_02310	ypeB	-0.078984036	0.938306655
ecb_03704	pldB	0.060387534	0.938458119
ecb_00114	aceF	0.058730837	0.938458119
ecb_01397	ydcS	0.075044276	0.938458119

ecb_01112	lolC	-0.075190309	0.938458119
ecb_02332	yfeY	-0.101171527	0.938458119
ecb_00608	nadD	-0.077917296	0.938458119
ecb_01858	cheW	0.058238718	0.938458119
ecb_03627	asnC	-0.172030793	0.938695289
ecb_03677	hemY	-0.087504973	0.939715561
ecb_00968	yccT	0.066332421	0.939715561
ecb_02095	psuK	0.072574079	0.940608553
ecb_00197	metI	0.085340547	0.940895883
ecb_03044	rlmE	0.067679401	0.940895883
ecb_03964	phnP	-0.08168661	0.940895883
ecb_02713	ygfM	0.110515089	0.941016412
ecb_02357	ypfG	0.081220022	0.941016412
ecb_01225	ycil	0.089640768	0.941016412
ecb_00303	mhpC	-0.068019049	0.941016412
ecb_01615	ydhK	-0.073987375	0.941016412
ecb_02806	yeeT	0.094063484	0.941016412
ecb_02943	ygjH	0.07180356	0.941016412
ecb_03746	dsbA	0.085893681	0.941016412
ecb_00790	ybiW	0.084297945	0.941048052
ecb_02563	hydN	-0.073396095	0.942493343
ecb_00443	ybbN	0.064082199	0.942493343
ecb_03788	rhaD	-0.093959301	0.942493343
ecb_03780	fdhD	0.063277402	0.9426152
ecb_03178	gspF	0.110453285	0.942921284
ecb_00369	ispA	0.144699183	0.942976009
ecb_03805	yiiQ	0.062337413	0.942976009
ecb_01425	narH	0.068062867	0.942976009
ecb_02272	mIaA	-0.085820043	0.942976009
ecb_03319	tusA	-0.098484565	0.942976009
ecb_03956	alsK	0.083171636	0.942976009
ecb_01172	treA	0.056304418	0.942976009
ecb_02151	atoB	0.071107975	0.94333282
ecb_00137	yadM	0.076900518	0.94333282
ecb_00986	gfcE	0.068996121	0.94333282
ecb_03923	qor	0.072022206	0.94333282
ecb_00178	fabZ	-0.071565229	0.94333282
ecb_01131	mnmA	-0.085771183	0.94333282
ecb_02107	yejA	0.053787075	0.94333282
ecb_03729	tatA	0.054493387	0.94333282
ecb_04054	aidB	0.06775036	0.94333282
ecb_02308	yfeR	0.057346052	0.94333282
ecb_03842	argE	-0.137977906	0.94333282
ecb_03122	envR	0.082311336	0.943445008
ecb_02423	iscR	-0.051797728	0.943445008
ecb_02944	ebgR	-0.077298798	0.943445008
ecb_02316	ptsI	-0.055653586	0.943739259
ecb_02172	yfaV	0.051551038	0.943739259
ecb_03029	deaD	0.077062038	0.943739259
ecb_02890	plsC	-0.088034015	0.943739259

ecb_02945	ebgA	0.057361968	0.943769322
ecb_03363	gadW	-0.14199513	0.943769322
ecb_00215	ivy	0.074486778	0.944119859
ecb_00677	ybgP	-0.115094828	0.944119859
ecb_02538	ygaH	-0.052058797	0.944260497
ecb_03451	yibG	-0.149166506	0.944266128
ecb_00013	yaal	0.051322812	0.94443022
ecb_02612	ygcO	-0.05726844	0.944685608
ecb_00104	guaC	-0.069088158	0.944721759
ecb_03242	aroK	-0.048197468	0.944829828
ecb_01704	chbR	0.052252759	0.944915055
ecb_00165	glnD	0.058357055	0.944915055
ecb_04183	fimA	-0.048661249	0.944915055
ecb_02547	alaS	0.066756726	0.944915055
ecb_01278	puuB	0.135246828	0.944915055
ecb_02298	glk	-0.08406094	0.944915055
ecb_01813	holE	-0.091896808	0.944915055
ecb_00039	caiE	0.069966147	0.944915055
ecb_00961	ompA	-0.046936739	0.944915055
ecb_04070	rplI	-0.084931186	0.944915055
ecb_01174	dhaL	0.07406834	0.944915055
ecb_02028	yegV	-0.055726353	0.944915055
ecb_03358	hdeA	0.078652053	0.944915055
ecb_02699	xdhA	0.07576321	0.944915055
ecb_00570	ybdN	0.051100432	0.944915055
ecb_01892	yeeL	0.078717309	0.944915055
ecb_01975	yegD	0.067350244	0.944915055
ecb_01661	ydiB	0.072949476	0.944915055
ecb_02176	yfaZ	-0.054573704	0.944915055
ecb_02014	yegR	-0.125483284	0.944915055
ecb_03314	rsmD	0.052052156	0.944915055
ecb_03177	gspE	0.12728562	0.944915055
ecb_01399	ydcU	0.084168441	0.944915055
ecb_04101	mpl	-0.061477712	0.944915055
ecb_01977	yegK	-0.072265763	0.944915055
ecb_00744	bioC	0.112605906	0.944915055
ecb_02476	trxC	-0.078965036	0.944915055
ecb_02997	kbaZ	0.061410473	0.944915055
ecb_00163	yael	-0.069862206	0.944915055
ecb_02712	ssnA	0.111702545	0.944915055
ecb_00064	araA	-0.063732803	0.944915055
ecb_01173	dhaM	0.087176927	0.944915055
ecb_01434	fdnI	0.100067173	0.944915055
ecb_04065	ulaF	0.063457965	0.944915055
ecb_03051	rplU	-0.051269517	0.944915055
ecb_03765	yihS	0.066736117	0.944915055
ecb_02575	hycA	0.084741412	0.944915055
ecb_03514	yicl	0.151301349	0.944915055
ecb_04134	idnK	0.081789464	0.944915055
ecb_02807	yeeU	-0.156879866	0.944915055

ecb_02897	qseB	0.052503945	0.944961573
ecb_01298	ycjX	0.094425812	0.944961573
ecb_01091	fabF	0.088878124	0.945996772
ecb_01913	dacD	0.078601946	0.946077167
ecb_03613	glmS	0.187153428	0.946098612
ecb_01963	wcaC	0.062635593	0.946591052
ecb_00119	speD	0.093639454	0.946591052
ecb_03412	ysaB	0.089790812	0.94782522
ecb_01288	ycjO	0.070141325	0.94782522
ecb_00467	allD	0.075493239	0.948087931
ecb_03205	yheU	-0.073851569	0.948489104
ecb_02611	ygcN	0.087766117	0.948489104
ecb_01592	add	0.053431022	0.948489104
ecb_03807	yiiS	-0.103437057	0.949414967
ecb_03058	mIaD	-0.063089327	0.949414967
ecb_00668	phr	-0.066795697	0.949414967
ecb_00419	ybaN	-0.082412168	0.949414967
ecb_03352	arsC	0.098413161	0.949414967
ecb_01119	ycfZ	0.094859449	0.949414967
ecb_00287	prpC	-0.061158696	0.949414967
ecb_01170	ymgE	-0.070831394	0.949414967
ecb_02572	hycD	0.078464207	0.949414967
ecb_00801	yliF	0.064778336	0.949414967
ecb_02700	xdhB	0.073239015	0.949414967
ecb_02483	yfiH	0.053798759	0.949414967
ecb_01132	nudJ	0.091372996	0.952146609
ecb_01756	yeaK	0.049029324	0.952191306
ecb_02527	ygaC	-0.074123644	0.953250783
ecb_03063	kdsC	-0.04304276	0.953250783
ecb_03899	yjbF	-0.075170569	0.953250783
ecb_03848	fabR	0.053002957	0.953250783
ecb_02254	aroC	-0.088039465	0.953250783
ecb_03113	accB	0.044448499	0.953250783
ecb_04128	lptG	-0.064347768	0.953250783
ecb_01152	ycgJ	0.077962179	0.953250783
ecb_01350	ydbJ	0.086171255	0.953250783
ecb_03086	nanR	-0.051507909	0.953250783
ecb_01096	ycfH	-0.051760351	0.953250783
ecb_00582	citX	0.056671247	0.953250783
ecb_01663	ydiF	0.090532021	0.953250783
ecb_02443	glyA	-0.114435414	0.953250783
ecb_01449	yddW	-0.066780775	0.953250783
ecb_01313	abgT	0.0971459	0.953250783
ecb_00454	allS	0.064382102	0.953250783
ecb_03187	bfr	-0.083079688	0.953250783
ecb_03445	selB	-0.072133347	0.953250783
ecb_03109	mreC	0.046223923	0.953250783
ecb_01847	argS	0.099392968	0.953250783
ecb_00900	dmsC	0.053489718	0.953250783
ecb_03856	tufB	0.040426529	0.953250783

ecb_03591	tnaC	0.226899114	0.953250783
ecb_00881	ybjD	0.077294591	0.953250783
ecb_00426	hemH	0.052922076	0.953250783
ecb_00934	asnS	-0.071355586	0.953250783
ecb_02709	yqeC	0.088148124	0.953250783
ecb_01287	ycjN	0.081092301	0.953250783
ecb_04182	fimE	-0.059542926	0.953250783
ecb_03600	cbrB	-0.103950955	0.953250783
ecb_02985	tdcA	0.077431752	0.953250783
ecb_03082	nanK	-0.142501891	0.953250783
ecb_04126	pepA	0.054805677	0.953250783
ecb_02218	yfbT	0.091864732	0.95429934
ecb_03034	rbfA	0.049632766	0.955411802
ecb_01608	pdxH	0.058137541	0.956346343
ecb_00286	prpB	0.06555773	0.95648
ecb_01120	ymfA	-0.070979054	0.95648
ecb_03416	xylB	0.070493916	0.95691529
ecb_00983	appA	0.060649471	0.95691529
ecb_04082	ytfF	0.059022914	0.95691529
ecb_02079	mgIB	-0.156761306	0.95691529
ecb_04009	aspA	-0.079537319	0.95691529
ecb_04264	serB	0.049905831	0.95691529
ecb_04131	idnT	0.082207545	0.95691529
ecb_01023	pgaD	-0.052240433	0.95691529
ecb_02220	yfbV	0.045509367	0.95691529
ecb_01025	pgaB	0.063330336	0.95691529
ecb_01958	fcl	0.075202662	0.95691529
ecb_02299	yfeO	-0.059491906	0.95691529
ecb_00285	prpR	-0.068713527	0.95691529
ecb_02486	raiA	-0.106334835	0.95691529
ecb_01496	ydeJ	0.090520017	0.95691529
ecb_03054	murA	0.055219688	0.95691529
ecb_03581	yidB	0.06339978	0.95691529
ecb_01739	ydjF	-0.059069282	0.95691529
ecb_03929	yjbR	-0.066790384	0.95691529
ecb_02746	yqfE	0.052168059	0.95691529
ecb_03428	yiaL	0.094884134	0.95691529
ecb_03415	yiaB	-0.111279949	0.95691529
ecb_00679	ybgD	-0.089242288	0.95691529
ecb_00948	ycbF	-0.059660936	0.95691529
ecb_03406	cspA	-0.043655869	0.95691529
ecb_01285	pspE	0.099124882	0.95691529
ecb_02868	hybE	0.093689624	0.957112012
ecb_02418	hscA	-0.106370499	0.957112012
ecb_01339	trkG	-0.060938598	0.957112012
ecb_02091	rihB	-0.052455992	0.957112012
ecb_01627	ydhP	-0.07407982	0.957112012
ecb_03634	rbsD	0.072243601	0.957112012
ecb_02937	rpoD	0.049796262	0.957112012
ecb_02778	yqgE	-0.068995531	0.957112012

ecb_00370	xseB	0.061863229	0.957112012
ecb_04050	yjfK	0.058925993	0.957112012
ecb_02407	ispG	-0.043982012	0.957987876
ecb_02153	yfaQ	0.070546135	0.958154073
ecb_03616	atpD	0.047614293	0.958920177
ecb_02763	cmrA	0.058157264	0.959255248
ecb_03849	yijD	-0.055615953	0.959255248
ecb_02705	ygeY	0.075050152	0.959255248
ecb_01391	ydcO	0.086234612	0.959255248
ecb_02915	ygiL	-0.047343433	0.959255248
ecb_02356	tkrB	-0.060735793	0.959255248
ecb_01964	wcaB	0.06941596	0.959255248
ecb_03726	ubiE	0.04564779	0.95935671
ecb_01009	rutG	-0.063133374	0.95935671
ecb_03840	eptC	-0.072116582	0.95935671
ecb_01810	yebY	0.078524445	0.95935671
ecb_01500	ydfZ	-0.087715096	0.95935671
ecb_01474	lsrF	0.087108455	0.95935671
ecb_03035	infB	-0.053017281	0.95935671
ecb_00182	dnaE	-0.068361826	0.95935671
ecb_01550	rspA	-0.045895037	0.95935671
ecb_03367	trfF	0.075408519	0.95935671
ecb_04064	ulaE	0.061787769	0.95935671
ecb_01860	motB	-0.067350097	0.95935671
ecb_01478	uxaB	-0.084772879	0.95935671
ecb_01093	yceG	-0.05089848	0.95935671
ecb_02120	narP	0.047093828	0.95935671
ecb_00273	yahC	0.093482486	0.95935671
ecb_01317	smrA	0.046514002	0.95935671
ecb_01938	wzy	0.07097824	0.95935671
ecb_03730	tatB	0.044248215	0.95935671
ecb_00001	thrL	0.178828261	0.95935671
ecb_03644	yifB	0.052841064	0.95935671
ecb_03764	yihR	0.076997934	0.95935671
ecb_01223	clsA	-0.039904395	0.95935671
ecb_01832	ruvA	0.069528535	0.95935671
ecb_01920	hisL	0.237554678	0.95935671
ecb_r00006	rrsG	-0.049350578	0.95935671
ecb_03857	secE	-0.096688909	0.95935671
ecb_01666	ydiQ	0.069922757	0.95935671
ecb_02565	ascF	0.055802983	0.95935671
ecb_03584	dnaN	0.061245523	0.95935671
ecb_04040	hflX	0.056343741	0.95935671
ecb_01459	ydeP	0.110959832	0.95935671
ecb_00447	ybbP	0.09535494	0.95935671
ecb_03955	yjcS	0.086546275	0.95935671
ecb_02267	yfcZ	0.056461662	0.95935671
ecb_00596	tatE	0.088264466	0.95935671
ecb_00007	yaaJ	0.048217114	0.95935671
ecb_01216	yche	0.063137546	0.95935671

ecb_03837	pflC	0.045229528	0.95935671
ecb_00508	rzpD	-0.071623173	0.95935671
ecb_02473	grcA	0.073086448	0.95935671
ecb_03064	lptC	-0.051394102	0.95935671
ecb_01396	ydcR	0.06425499	0.95935671
ecb_00568	ybdL	0.051132816	0.95935671
ecb_02844	glcB	-0.041138889	0.95935671
ecb_02179	arnB	0.051694309	0.95935671
ecb_02973	yhal	0.06983868	0.95935671
ecb_r00001	rrsH	-0.042182033	0.95935671
ecb_03781	yiiG	0.07356737	0.95935671
ecb_02309	yfeH	0.070078355	0.95935671
ecb_03355	dctR	0.094157712	0.95935671
ecb_02393	ppk	0.062705288	0.95935671
ecb_03081	yhcH	0.046562715	0.95935671
ecb_02399	guaA	-0.080058835	0.95935671
ecb_01654	ydiH	-0.061661306	0.95935671
ecb_00913	ycaL	0.085018518	0.95935671
ecb_04269	trpR	-0.080729722	0.95935671
ecb_00027	rpsT	-0.067470772	0.95935671
ecb_02739	ubiH	-0.064935803	0.95935671
ecb_03275	glpG	0.062724396	0.95935671
ecb_01682	pheT	0.05651655	0.95935671
ecb_01233	yciG	0.071403719	0.95935671
ecb_03548	yicO	0.062179174	0.95935671
ecb_03117	prmA	0.045150671	0.95935671
ecb_00241	yagP	-0.066074555	0.95935671
ecb_03975	phnE	-0.130618758	0.95935671
ecb_00258	rclC	0.07679907	0.95935671
ecb_02949	ygjK	-0.051297178	0.95935671
ecb_01879	uvrY	0.063235872	0.95935671
ecb_01574	ydgI	0.074785131	0.95935671
ecb_03560	yidH	-0.062174316	0.95935671
ecb_02283	oxc	0.072448065	0.95935671
ecb_00902	ycaD	0.045474678	0.95935671
ecb_04023	frdD	0.064412094	0.95935671
ecb_00342	rdgC	0.050555104	0.95935671
ecb_01667	ydiR	0.081131227	0.95935671
ecb_03108	mreD	-0.052405478	0.95935671
ecb_01475	lsrG	0.100677893	0.95935671
ecb_02586	ygbJ	0.04878107	0.95935671
ecb_01696	yniC	0.056853342	0.95935671
ecb_00131	yadD	0.058067412	0.95935671
ecb_03130	yrdA	0.047132726	0.95935671
ecb_03969	phnK	0.07378302	0.95935671
ecb_04051	yjfl	0.072930873	0.95935671
ecb_03313	ftsY	-0.042325524	0.95935671
ecb_02374	hyfB	0.053403291	0.95935671
ecb_01408	yncD	-0.053134558	0.95935671
ecb_03985	eptA	-0.051272846	0.95935671

ecb_01004	yccE	-0.106673534	0.95935671
ecb_01286	ycjM	-0.051751407	0.95935671
ecb_00394	ybaV	-0.055973399	0.960114673
ecb_01554	ynfC	-0.049433981	0.960273401
ecb_02893	mqsA	0.05087147	0.960273401
ecb_02744	serA	0.060648966	0.960273401
ecb_02764	cmrB	0.074853607	0.960273401
ecb_02848	glcD	0.064099365	0.960273401
ecb_02146	atoS	0.066210878	0.960273401
ecb_02941	aer	-0.047937137	0.960273401
ecb_01270	sapB	0.061867765	0.960273401
ecb_03432	lyxK	0.077207642	0.960273401
ecb_00946	ycbU	-0.047886681	0.960273401
ecb_02682	tas	0.041382232	0.960273401
ecb_01778	yoaA	0.08762754	0.960273401
ecb_03536	insI	0.05973359	0.960273401
ecb_03031	pnp	0.043083857	0.960273401
ecb_03970	phnJ	-0.073410981	0.960273401
ecb_00076	leuA	0.068010722	0.960273401
ecb_03072	yrbL	0.043675647	0.960273401
ecb_04210	yjiV	0.058693337	0.960273401
ecb_00293	cynT	0.054085148	0.960273401
ecb_04078	ytfB	-0.051248047	0.960273401
ecb_01053	yceJ	0.054191618	0.960273401
ecb_02244	usg	0.089781859	0.960273401
ecb_01412	yncH	-0.185819945	0.960273401
ecb_01381	opgD	0.053290021	0.960273401
ecb_00511	nohB	-0.07602345	0.960396008
ecb_01088	fabD	0.051403297	0.960529564
ecb_00405	ybaY	-0.057615494	0.960618935
ecb_00724	ybhJ	0.058443586	0.960618935
ecb_02237	purF	0.074924814	0.96091
ecb_03971	phnI	-0.100899107	0.96091
ecb_00907	pflB	0.043429746	0.961019236
ecb_03835	frwB	0.118552493	0.961180947
ecb_00457	gcl	0.059951018	0.961180947
ecb_02796	yqgA	-0.071325407	0.961180947
ecb_01689	arpB	-0.115674756	0.961180947
ecb_03763	yihQ	0.068550924	0.961180947
ecb_02502	grpE	-0.093475787	0.961180947
ecb_02195	rbn	0.06867198	0.961212885
ecb_02545	yqaB	0.072777955	0.961556209
ecb_02334	ypeA	-0.053647264	0.962142692
ecb_02861	yghS	0.088774762	0.962142692
ecb_00469	yIbE	0.056249748	0.962142692
ecb_00294	cynS	0.044294626	0.962142692
ecb_03620	atpF	0.083123496	0.962400325
ecb_00576	uspG	-0.050229525	0.962400325
ecb_02114	yejH	0.059626618	0.962400325
ecb_00586	citC	0.061041504	0.962400325

ecb_01843	torZ	-0.042441615	0.962400325
ecb_02860	yghR	0.080254509	0.962400325
ecb_02319	yfeK	-0.082479697	0.962400325
ecb_02442	yphH	0.090947335	0.962400325
ecb_03697	yigG	-0.072534682	0.962400325
ecb_01279	puuE	-0.067191629	0.962400325
ecb_03928	yjbQ	-0.049748484	0.962400325
ecb_01888	zinT	-0.064350999	0.962400325
ecb_01111	ycfT	0.095377811	0.962400325
ecb_02531	nrdE	-0.081502635	0.962400325
ecb_01489	marR	-0.04946892	0.962400325
ecb_01709	nadE	-0.05812285	0.962400325
ecb_03918	zur	0.061416768	0.962400325
ecb_01199	narL	0.040417618	0.962400325
ecb_00319	hemB	-0.053276929	0.962400325
ecb_00611	leuS	-0.051840825	0.962400325
ecb_02441	yphG	0.05441284	0.962400325
ecb_00762	ybhG	0.074094462	0.962400325
ecb_03804	tpiA	-0.051892871	0.962400325
ecb_03645	ilvL	0.089957468	0.962400325
ecb_01080	rne	0.049290912	0.962400325
ecb_00967	mgsA	0.065404031	0.962400325
ecb_00604	mrda	-0.046849097	0.962400325
ecb_02029	yegW	-0.052777249	0.962400325
ecb_01703	chbF	0.055590988	0.962400325
ecb_00304	mhpD	-0.046624695	0.962400325
ecb_03919	yjbL	0.111975006	0.962400325
ecb_03463	lldD	-0.079966336	0.962400325
ecb_03629	viaA	-0.068372908	0.962400325
ecb_01308	ynal	0.058634089	0.962400325
ecb_01877	pgsA	0.051446142	0.962400325
ecb_00540	ybdF	-0.045545497	0.962400325
ecb_01190	kdsA	-0.075976461	0.962470806
ecb_00181	rnhB	-0.046054417	0.963020654
ecb_01882	yedU	0.067231242	0.963020654
ecb_01904	insD	0.061492991	0.963020654
ecb_03446	selA	-0.073636806	0.963686234
ecb_02180	arnC	0.055584549	0.963686234
ecb_00778	glnH	0.038441367	0.964088553
ecb_03174	gspA	0.084105948	0.964527978
ecb_03160	rplX	-0.035863437	0.964527978
ecb_03444	yiaY	0.057298976	0.965354573
ecb_00789	ybiV	-0.051065411	0.965527222
ecb_02424	trmJ	0.038114606	0.965527222
ecb_01646	lpp	-0.09680868	0.965527222
ecb_00635	nagB	0.119329778	0.965934653
ecb_01159	umuC	-0.047401533	0.965934653
ecb_00355	yajC	-0.054046314	0.965934653
ecb_01179	pth	0.038686724	0.966268465
ecb_02719	ygfT	0.064775603	0.966268465

ecb_02891	parC	-0.035490554	0.966411316
ecb_01706	chbC	0.045833833	0.966411316
ecb_04189	fimH	0.045053588	0.966411316
ecb_02585	ygbI	0.052380217	0.966606599
ecb_00017	mokC	-0.047661403	0.966625203
ecb_00332	adrA	0.048378946	0.966729249
ecb_02690	kduD	0.067169447	0.968123145
ecb_02560	norV	0.057518827	0.968367765
ecb_01725	ynjD	0.057004635	0.968446458
ecb_00148	mrcB	0.061150443	0.968446458
ecb_02152	yfaP	0.057669579	0.968446458
ecb_01484	yneK	0.091207979	0.968446458
ecb_01364	ynbB	0.073797193	0.968446458
ecb_04232	tsr	0.039202978	0.968446458
ecb_04116	bdcA	0.088458596	0.968495254
ecb_03199	slyX	-0.056949154	0.968495254
ecb_01090	acpP	0.044465491	0.968495254
ecb_02335	amiA	0.035980854	0.968495254
ecb_02147	atoC	0.066570453	0.968495254
ecb_03646	ilvG	-0.051090685	0.968495254
ecb_02117	yejL	0.040722031	0.968495254
ecb_03421	xyIR	0.077022222	0.968495254
ecb_00047	fixC	0.059615356	0.968495254
ecb_02765	tktA	0.04366211	0.968495254
ecb_03945	nrfD	0.049203683	0.968495254
ecb_01642	ydhV	0.060289951	0.968495254
ecb_00800	yliE	0.052169771	0.968700433
ecb_01239	trpL	0.069023539	0.969047201
ecb_03871	thiC	-0.05823146	0.969047201
ecb_03628	asnA	0.058691345	0.969047201
ecb_01895	yeeN	-0.063930989	0.969047201
ecb_01326	recT	0.059688183	0.969466768
ecb_00719	ybhA	0.047903454	0.969466768
ecb_02641	sdaC	-0.066803167	0.969466768
ecb_01037	csgD	0.050511899	0.969466768
ecb_03953	mdtO	0.062800119	0.969466768
ecb_03369	yhjC	0.065126669	0.969466768
ecb_01312	ogt	-0.051479831	0.969466768
ecb_03555	ilvB	-0.060163567	0.969466768
ecb_03403	ghrB	-0.042878288	0.969466768
ecb_00750	moaC	-0.035804112	0.969466768
ecb_03498	slmA	-0.08073034	0.969466768
ecb_01543	dicB	0.090698327	0.969466768
ecb_01428	yddJ	0.113070981	0.969466768
ecb_01776	yeaY	-0.03811304	0.969466768
ecb_01351	hslJ	0.042762558	0.969466768
ecb_00584	citE	0.059151576	0.969466768
ecb_01501	ydfI	0.046373884	0.969466768
ecb_00601	dacA	0.036203859	0.969466768
ecb_02931	ttdA	0.062450836	0.969466768

ecb_03806	yiiR	0.064432272	0.969466768
ecb_02413	sseA	-0.058611274	0.969466768
ecb_01672	ppsR	-0.0430177	0.969466768
ecb_00787	ybiT	-0.042194682	0.969466768
ecb_03561	yidl	-0.041120824	0.969466768
ecb_00495	ybcL	-0.065386731	0.969466768
ecb_03318	zntA	-0.070874977	0.969466768
ecb_02898	qseC	0.043511117	0.96954144
ecb_04043	yjeT	-0.04778346	0.969997706
ecb_00232	pepD	-0.071994785	0.969997706
ecb_00933	ompF	-0.031141677	0.970504682
ecb_03866	thiH	-0.054946745	0.970504682
ecb_01224	kch	-0.051240842	0.970504682
ecb_02934	tsaD	-0.041373742	0.970504682
ecb_01151	minC	-0.041474838	0.970504682
ecb_00201	yafC	0.058636812	0.971081075
ecb_03943	nrfB	-0.043623673	0.971280564
ecb_01944	rfbC	-0.058280873	0.971384098
ecb_02148	atoD	0.056671649	0.971783149
ecb_03453	yibl	0.050291259	0.971914943
ecb_03093	yhcB	0.054892319	0.97267065
ecb_01157	hlyE	-0.076660181	0.972698079
ecb_02222	pta	-0.084278173	0.972698079
ecb_01398	ydcT	0.060837328	0.972698079
ecb_03506	rpoZ	0.033838922	0.972698079
ecb_03830	yijF	-0.055679551	0.973387351
ecb_01385	ydcK	0.06062593	0.973387351
ecb_03186	gspO	-0.060748426	0.97401874
ecb_00847	tfaE	0.047960363	0.97401874
ecb_04202	yjiK	-0.059975753	0.97401874
ecb_03750	yihA	-0.047843634	0.97401874
ecb_01189	yehA	-0.0506984	0.97401874
ecb_01476	tam	0.082128569	0.97401874
ecb_00980	hyaF	-0.041862683	0.97401874
ecb_00627	ybeY	0.0501693	0.97401874
ecb_00964	yccS	0.050213385	0.974142371
ecb_00906	pflA	0.035849363	0.974246106
ecb_02238	cvpA	-0.068054634	0.975016541
ecb_01544	ydfD	0.100398455	0.975063381
ecb_00380	cyoD	0.037955093	0.975063381
ecb_02523	ygaV	0.049297905	0.975063381
ecb_00606	rsfS	-0.055391083	0.976473524
ecb_02887	yqhH	0.068442885	0.976473524
ecb_00634	nagA	0.094491542	0.976473524
ecb_00589	dpiB	0.035827349	0.976499933
ecb_04103	pmbA	-0.060893128	0.976499933
ecb_00978	hyaD	-0.055775086	0.976674068
ecb_04121	rraB	0.045940044	0.976795811
ecb_00640	fur	0.029396658	0.977001853
ecb_03354	slp	0.076067174	0.97758333

ecb_03346	rsmJ	0.070406667	0.97758333
ecb_00421	dnaX	0.073258325	0.97758333
ecb_00911	serC	0.065967397	0.97758333
ecb_01276	puuR	-0.068334516	0.97758333
ecb_02462	lepB	-0.056699232	0.97758333
ecb_00896	rarA	-0.061946151	0.97758333
ecb_01429	yddK	-0.119921397	0.97758333
ecb_03854	birA	0.055616538	0.97758333
ecb_01154	ycgL	-0.055877367	0.97758333
ecb_02437	yphC	0.050171089	0.97758333
ecb_03774	yiiE	0.080289309	0.97758333
ecb_03966	phnN	0.055495136	0.97758333
ecb_01241	yciO	0.052943673	0.97758333
ecb_01761	yeaO	0.058358941	0.97758333
ecb_00277	yahG	0.050364597	0.97758333
ecb_00243	paoC	0.06324225	0.97758333
ecb_02404	bamB	-0.081189194	0.97758333
ecb_04271	ytjC	0.052115281	0.97758333
ecb_02351	eutQ	0.044053459	0.97758333
ecb_00162	yaeH	0.044158219	0.977653181
ecb_00281	yahL	-0.074586959	0.977653181
ecb_02398	yfgl	-0.049961848	0.977653181
ecb_03997	yjdl	0.059258388	0.977653181
ecb_00167	rpsB	-0.031995827	0.977653181
ecb_03149	rpsM	0.029310926	0.977653181
ecb_02648	fucA	0.061122227	0.977653181
ecb_03896	lysC	0.033478996	0.977653181
ecb_00242	paoD	-0.045151633	0.977653181
ecb_04279	yjtD	0.0307958	0.977653181
ecb_01457	ydeO	0.076104844	0.977653181
ecb_02497	rimM	-0.039140841	0.977653181
ecb_00613	ybeQ	0.04409963	0.977653181
ecb_03442	yiaW	0.038726259	0.977653181
ecb_03201	kefB	-0.048697727	0.977653181
ecb_02354	maeB	-0.066201297	0.977653181
ecb_01968	wza	0.054535962	0.977653181
ecb_03322	yhhS	0.044428943	0.977653181
ecb_01469	hipA	0.07889	0.977653181
ecb_00444	ybbO	-0.038816515	0.977653181
ecb_01632	cfa	0.036156607	0.977653181
ecb_02416	iscX	-0.032843591	0.977653181
ecb_02257	yfcO	0.032812674	0.977653181
ecb_02635	yqcA	-0.074764106	0.977653181
ecb_00362	ribD	0.079018036	0.977653181
ecb_02911	ygiD	0.039843668	0.977653181
ecb_01160	dsbB	-0.048949228	0.977653181
ecb_03968	phnL	-0.079772911	0.977653181
ecb_03689	uvrD	-0.052469112	0.977653181
ecb_04057	yjfp	-0.02957822	0.977653181
ecb_01001	torD	0.037717935	0.977653181

ecb_03776	fdhE	0.083100039	0.977653181
ecb_00120	speE	0.049089484	0.977653181
ecb_01175	dhaK	-0.060113229	0.977653181
ecb_02449	purL	-0.105370092	0.977653181
ecb_02529	nrhH	0.050684144	0.977653181
ecb_02667	recD	0.049098616	0.977653181
ecb_02567	hycl	-0.049032704	0.977653181
ecb_02202	nuoM	0.080505084	0.977653181
ecb_03508	trmH	0.071347346	0.977653181
ecb_00117	acnB	0.064371164	0.977653181
ecb_03323	yhhT	0.060317663	0.977653181
ecb_03150	rpmJ	0.051836344	0.977653181
ecb_02448	glrK	0.055598881	0.977653181
ecb_02158	ubiG	-0.052040114	0.977653181
ecb_01752	yeaG	0.047442202	0.977653181
ecb_00969	yccU	-0.038498863	0.977653181
ecb_02027	yegU	-0.041021929	0.977653181
ecb_01629	purR	-0.035401093	0.977653181
ecb_01371	gapC	0.056258303	0.977653181
ecb_02991	garL	0.056491845	0.977653181
ecb_03767	yihU	-0.049184402	0.977653181
ecb_02504	recN	-0.049809193	0.977653181
ecb_00485	fimZ	0.066328979	0.977653181
ecb_01204	narJ	-0.048212058	0.977653181
ecb_00696	ybgC	0.035454846	0.977653181
ecb_01844	torY	0.040448504	0.977653181
ecb_03826	metL	0.053851405	0.977653181
ecb_00136	yadL	-0.053819468	0.977653181
ecb_03747	yihF	-0.060779711	0.977653181
ecb_00721	ybhD	0.058161903	0.977653181
ecb_01485	ydeA	0.068639303	0.977653181
ecb_00471	ybcF	-0.04617422	0.977653181
ecb_02550	pncC	-0.037021661	0.977653181
ecb_00929	ycbB	0.039933754	0.977653181
ecb_02465	rseB	0.048247417	0.977653181
ecb_03868	thiS	0.061586663	0.977653181
ecb_03164	rplP	-0.034093152	0.977653181
ecb_02446	glrR	0.032551879	0.977737789
ecb_02460	era	0.04289018	0.977737789
ecb_00247	ykgJ	-0.034584975	0.977737789
ecb_03361	mdtE	0.074645702	0.977737789
ecb_01227	yciA	-0.047660296	0.977737789
ecb_02687	lysR	0.052055443	0.977737789
ecb_03663	wzzE	-0.037432749	0.977737789
ecb_00048	fixX	0.043689495	0.977737789
ecb_02977	yhaM	0.035854823	0.977737789
ecb_03020	yhbO	-0.033694945	0.977737789
ecb_04059	ulaG	0.03356853	0.977737789
ecb_00116	yacH	-0.04960645	0.977737789
ecb_03297	yhhA	0.046892845	0.977737789

ecb_03946	nrfE	-0.051050666	0.977737789
ecb_01573	ydgH	0.029063731	0.977737789
ecb_02525	stpA	0.041873815	0.977737789
ecb_02668	recB	0.058883869	0.977737789
ecb_01901	cobS	-0.048067196	0.977737789
ecb_02520	csiR	0.032847945	0.977737789
ecb_01803	msrC	0.063887907	0.977737789
ecb_00173	cdsA	-0.047879772	0.977737789
ecb_00551	fes	-0.053107445	0.977737789
ecb_01409	yncE	0.056773455	0.977737789
ecb_00087	murF	-0.070463588	0.977737789
ecb_03370	yhjD	0.048909453	0.977890069
ecb_02644	fucO	0.03947559	0.977890069
ecb_02728	cptA	0.052848845	0.977890069
ecb_00903	ycaM	0.033594643	0.978081505
ecb_00897	serS	-0.026935987	0.97821704
ecb_03104	tldD	-0.029279379	0.978973338
ecb_01303	mpaA	0.044204069	0.978973338
ecb_03900	yjbG	-0.071507387	0.979098412
ecb_00274	yahD	0.042047829	0.979098412
ecb_01699	ydjO	0.070296303	0.979098412
ecb_03163	rpmC	-0.039555542	0.979098412
ecb_04081	ytfE	0.062080803	0.979098412
ecb_00174	rseP	-0.039954518	0.979225265
ecb_02384	focB	-0.034573408	0.979255941
ecb_00509	ybcU	-0.12484843	0.979255941
ecb_03603	yieL	0.042126425	0.979691269
ecb_00037	carB	0.063283346	0.979691269
ecb_01357	feaB	-0.03415216	0.979691269
ecb_02546	csrA	0.02965325	0.979691269
ecb_04132	idnO	0.044492308	0.979691269
ecb_03880	zraS	0.040083799	0.979691269
ecb_02253	mepA	0.041346202	0.979691269
ecb_00393	ppiD	0.026086161	0.979691269
ecb_01669	ydiT	0.045737444	0.979691269
ecb_01268	sapD	0.036487797	0.979691269
ecb_03684	yifL	0.036358822	0.979691269
ecb_01447	dosP	0.054893665	0.979691269
ecb_03601	cbrC	-0.038147468	0.979691269
ecb_04091	tamA	0.044593237	0.979691269
ecb_01721	ydjZ	-0.036176461	0.979691269
ecb_04278	yjjY	0.104306352	0.979691269
ecb_01319	ydaN	0.040765167	0.979691269
ecb_00196	metQ	0.040654412	0.979691269
ecb_02884	yqhD	0.043498965	0.979691269
ecb_01607	tyrS	-0.046010164	0.979691269
ecb_03110	mreB	0.026969191	0.979691269
ecb_03159	rplE	-0.025684463	0.979691269
ecb_01969	yegH	-0.042443683	0.979691269
ecb_01711	ves	-0.037101641	0.979691269

ecb_02403	der	-0.052260027	0.979691269
ecb_00302	mhpB	-0.044395168	0.979691269
ecb_02431	hcaF	-0.032843621	0.979691269
ecb_01738	ydjE	-0.046345344	0.979691269
ecb_02113	rsuA	0.033251624	0.979691269
ecb_00323	ampH	0.046540127	0.979691269
ecb_03679	hemD	-0.043931419	0.979691269
ecb_03289	gntR	0.056005505	0.979691269
ecb_03841	ppc	-0.035741486	0.979691269
ecb_00610	lptE	-0.055313651	0.979691269
ecb_03360	yhiE	-0.073855284	0.979691269
ecb_00699	tolA	-0.046404495	0.979691269
ecb_01622	rnt	0.028378885	0.979691269
ecb_01856	tap	0.035566915	0.979691269
ecb_03145	rplQ	0.034308872	0.979691269
ecb_03472	yibQ	0.034531794	0.979691269
ecb_00250	ecpC	0.036807916	0.979691269
ecb_01640	ydhX	0.044324901	0.979691269
ecb_02770	yqgC	-0.057361011	0.979691269
ecb_01619	ydhM	0.057224819	0.979691269
ecb_03801	pfkA	-0.034122887	0.979691269
ecb_04238	dnaC	-0.031705658	0.979691269
ecb_00392	hupB	-0.051781294	0.979691269
ecb_01414	rhsE	-0.058775048	0.979691269
ecb_02259	yfcQ	-0.066157586	0.979691269
ecb_03466	gpsA	0.040154762	0.979691269
ecb_00938	ssuC	-0.02981332	0.979691269
ecb_00251	ecpB	-0.044646792	0.979691269
ecb_02886	yqhG	0.050067758	0.979691269
ecb_00259	rclB	0.069694986	0.979691269
ecb_03152	rplO	-0.02388949	0.979691269
ecb_03932	yjcB	0.092268895	0.979691269
ecb_02081	yeiB	-0.043793382	0.979691269
ecb_02178	ais	0.033485595	0.979691269
ecb_02463	lepA	0.044243641	0.979691269
ecb_03792	rhaR	-0.058852027	0.979691269
ecb_03505	gmk	0.033291006	0.979691269
ecb_02839	yghF	-0.041089918	0.979691269
ecb_01084	yceD	-0.034591145	0.979691269
ecb_02593	pcm	0.038016111	0.979691269
ecb_00105	hofC	-0.042504621	0.979691269
ecb_00955	pqiB	0.034477201	0.979691269
ecb_03079	yhcG	-0.04464039	0.979691269
ecb_01972	udk	0.028919051	0.979691269
ecb_00470	ylbF	0.044981452	0.979691269
ecb_02877	yqhA	-0.027493968	0.979691269
ecb_00255	ykgM	-0.037429767	0.979691269
ecb_00791	ybiY	0.036640689	0.979691269
ecb_01262	gmr	-0.027591204	0.979691269
ecb_02866	hybG	0.061027766	0.979691269

ecb_03462	lldR	-0.06137404	0.979691269
ecb_02900	mdaB	0.03993104	0.979691269
ecb_00389	clpX	0.032457604	0.979691269
ecb_00987	gfcD	0.034479911	0.979691269
ecb_03262	feoC	-0.063828921	0.979691269
ecb_02568	hycH	0.026789776	0.979691269
ecb_02882	yghB	0.040372291	0.979691269
ecb_04047	rlmB	0.05206258	0.979691269
ecb_03417	xylA	0.042962328	0.979691269
ecb_02541	emrB	0.044440831	0.979691269
ecb_00769	ybiJ	-0.05934291	0.979691269
ecb_03784	frvB	-0.039084134	0.979691269
ecb_03974	phnF	-0.068411114	0.979691269
ecb_00396	queC	-0.035611982	0.979691269
ecb_00226	dinB	-0.035802697	0.979691269
ecb_00858	ybjN	-0.036542181	0.979691269
ecb_03440	yiaU	-0.033848284	0.979691269
ecb_03557	emrD	0.037889539	0.979691269
ecb_01745	ydjL	0.033113198	0.979691269
ecb_01612	slyA	-0.044354849	0.979691269
ecb_04015	yjeJ	0.063734691	0.979691269
ecb_03858	nusG	-0.063923257	0.979691269
ecb_00240	proA	0.070591865	0.979691269
ecb_00784	mntR	-0.051033522	0.979691269
ecb_01214	tdk	0.050853989	0.979691269
ecb_02829	yghD	-0.02874433	0.979691269
ecb_04053	yjfC	0.043266235	0.979691269
ecb_02929	ygiH	0.046350453	0.979691269
ecb_03861	rplJ	-0.025992136	0.979691269
ecb_01753	yeaH	-0.033513893	0.979691269
ecb_00379	cyoE	-0.032047726	0.979691269
ecb_03582	gyrB	0.028591198	0.979691269
ecb_01200	narX	0.030442853	0.979691269
ecb_00652	kdpD	0.030161944	0.979691269
ecb_01358	tynA	0.034450181	0.979788316
ecb_03418	xylF	0.060310247	0.979842971
ecb_02561	norW	-0.034864285	0.979842971
ecb_00674	nei	0.032276621	0.979842971
ecb_01325	ralR	-0.05954296	0.979842971
ecb_01886	yedY	-0.038186247	0.979842971
ecb_00065	araB	0.034344032	0.979842971
ecb_02474	ung	0.039092279	0.979842971
ecb_00455	allA	0.03491394	0.979842971
ecb_03014	lpoA	-0.038835762	0.979842971
ecb_02433	hcaB	-0.037640141	0.979842971
ecb_03577	dgok	0.028848785	0.979880619
ecb_02409	rlmN	-0.034624052	0.979880619
ecb_01889	yodB	0.045855521	0.979880619
ecb_02679	mutH	-0.051513139	0.979880619
ecb_02872	hybA	0.056106843	0.979880619

ecb_03884	yjaB	-0.026504653	0.979880619
ecb_03383	yhjR	0.02937643	0.979880619
ecb_04119	yjgI	0.029331081	0.979880619
ecb_02774	yggI	-0.030238021	0.979880619
ecb_02935	rpsU	0.056863039	0.979880619
ecb_03556	ivbL	-0.080492622	0.979880619
ecb_02292	ypdC	-0.038498288	0.979880619
ecb_01332	ydaF	0.045639478	0.979880619
ecb_01971	dcd	0.031794836	0.979880619
ecb_01962	wcaD	-0.04765966	0.979880619
ecb_01181	dauA	-0.039617513	0.979880619
ecb_00701	pal	-0.02607509	0.979880619
ecb_00431	ushA	-0.03698265	0.979880619
ecb_00305	mhpF	0.029453281	0.979880619
ecb_00764	rhIE	-0.048753781	0.979880619
ecb_00609	hoIA	0.033667784	0.979880619
ecb_03009	yraH	-0.045583135	0.979880619
ecb_03592	tnaA	0.047073427	0.979880619
ecb_03950	yjcO	-0.039220047	0.979880619
ecb_02201	nuoN	-0.044936557	0.979880619
ecb_04041	hfIK	0.032523785	0.979880619
ecb_00522	nfrA	0.03553354	0.979880619
ecb_02294	ypdE	0.033575959	0.979880619
ecb_03296	ggt	0.027805483	0.979880619
ecb_03931	ssb	-0.038556451	0.980247241
ecb_03701	recQ	-0.045005512	0.980451976
ecb_00018	nhaA	-0.037724312	0.980451976
ecb_04125	hoIC	-0.026690012	0.980519033
ecb_00228	yafO	-0.034702243	0.980633623
ecb_01809	pphA	-0.035735612	0.980633623
ecb_03686	yigA	0.033541835	0.980990035
ecb_03208	crp	0.029241962	0.980990035
ecb_02456	yfhL	0.036545832	0.980990035
ecb_00238	phoE	0.029499067	0.980990035
ecb_00753	ybhL	0.036560628	0.980990035
ecb_01606	pdxY	-0.028877382	0.980990035
ecb_01377	mokB	0.056739411	0.980990035
ecb_02205	nuoJ	-0.025784613	0.980990035
ecb_03965	phnO	-0.040844808	0.981195999
ecb_01168	emtA	-0.037787693	0.981250965
ecb_02074	yeiS	-0.027167481	0.981380746
ecb_00450	yIbH	-0.028084819	0.981380746
ecb_03902	psiE	-0.042255226	0.981380746
ecb_02145	rccC	-0.030493039	0.981380746
ecb_01736	ansA	0.035162161	0.981380746
ecb_01092	pabC	0.031476911	0.981380746
ecb_00864	rlmC	-0.052890855	0.981380746
ecb_01186	prfA	-0.030403958	0.981380746
ecb_04052	yjFM	0.033799918	0.981380746
ecb_00605	rlmH	-0.025332511	0.981380746

ecb_02636	truC	-0.024414888	0.981380746
ecb_00673	ybgL	-0.042175317	0.981380746
ecb_01814	yobB	-0.043784319	0.981380746
ecb_03818	ftsN	-0.03268026	0.981380746
ecb_02936	dnaG	-0.046042676	0.981380746
ecb_00577	ybdR	0.024226401	0.981380746
ecb_03864	rpoC	0.02511257	0.981380746
ecb_00645	pgm	-0.02448702	0.981380746
ecb_00153	hemL	0.043757605	0.981380746
ecb_01249	yciN	0.030651816	0.981380746
ecb_02227	yfcG	-0.029534407	0.981380746
ecb_01559	ynfH	0.03161453	0.981380746
ecb_01896	yeeO	-0.035433647	0.981380746
ecb_03191	fusA	0.021180399	0.981380746
ecb_03465	cysE	-0.034084368	0.981380746
ecb_02067	yohF	0.032584056	0.981380746
ecb_03595	yidZ	-0.035025044	0.981380746
ecb_02300	ypeC	-0.034625578	0.981380746
ecb_03564	yidL	0.048477723	0.981380746
ecb_01228	yciB	0.029098085	0.981380746
ecb_03879	zraP	0.037357301	0.981380746
ecb_02073	sanA	0.030340909	0.981380746
ecb_01769	dmlR	-0.049769563	0.981380746
ecb_03967	phnM	0.040987657	0.981380746
ecb_01956	wcal	0.032128321	0.981380746
ecb_02987	yhaB	0.049542122	0.981380746
ecb_01161	nhaB	0.030880731	0.981380746
ecb_00275	yahE	0.02801744	0.981380746
ecb_03617	atpG	0.033320486	0.981380746
ecb_04216	hsdR	-0.037418939	0.981380746
ecb_00190	arfB	0.028679274	0.981380746
ecb_03172	rpsJ	0.021240631	0.981450428
ecb_01289	ycjP	0.035005066	0.981722945
ecb_02551	mltB	0.054206295	0.981722945
ecb_01145	ycgH	0.036106553	0.981722945
ecb_00044	caiT	0.036002863	0.981722945
ecb_00387	tig	0.033749216	0.981722945
ecb_04105	nrdG	-0.033517155	0.981722945
ecb_00158	mtn	-0.025843976	0.981722945
ecb_01477	yneE	0.060384704	0.981722945
ecb_02669	ptrA	0.030796241	0.981722945
ecb_03791	rhaS	0.056448886	0.981722945
ecb_04079	fkIB	-0.023589363	0.981722945
ecb_03748	yihG	-0.02967303	0.981722945
ecb_00164	dapD	-0.02972536	0.981722945
ecb_01621	gloA	0.027772816	0.981722945
ecb_02436	yphB	0.023066102	0.981722945
ecb_00399	ybaO	-0.031073584	0.981722945
ecb_00775	ybiO	-0.026655606	0.981722945
ecb_00671	ybgJ	0.022933716	0.981722945

ecb_00411	hha	0.024227347	0.982121281
ecb_00409	ylaC	0.02509728	0.982121281
ecb_03443	aldB	0.04746351	0.982148436
ecb_01737	pncA	0.020264595	0.982371469
ecb_01282	pspB	-0.042605008	0.982420885
ecb_02930	ttdR	0.036548885	0.982420885
ecb_00333	proC	0.031835015	0.982622217
ecb_03787	rhaM	0.03314004	0.982953856
ecb_01197	ychN	0.042468727	0.982953856
ecb_02343	eutH	0.031291401	0.983162532
ecb_03543	yicL	0.027236856	0.983470389
ecb_02530	nrdI	-0.027383699	0.983470389
ecb_01006	yccJ	-0.047826019	0.983470389
ecb_00361	nrdR	-0.019283307	0.983470389
ecb_01857	tar	0.026304748	0.983470389
ecb_00773	mcbA	0.031955394	0.983470389
ecb_01549	rspB	0.024309186	0.983470389
ecb_03978	yjdN	-0.042280634	0.983470389
ecb_03012	yraK	0.025430468	0.983470389
ecb_03365	gadA	0.041034076	0.983470389
ecb_03433	sgbH	-0.022233144	0.983470389
ecb_03338	yhiJ	0.027078516	0.983470389
ecb_02136	eco	0.036371794	0.983470389
ecb_00924	elyC	0.035239535	0.983470389
ecb_00233	gpt	-0.031610292	0.983470389
ecb_01815	exoX	-0.025237947	0.983470389
ecb_02758	epd	-0.022955701	0.983470389
ecb_01403	ydcY	-0.039437812	0.983470389
ecb_02092	yeiL	-0.030468016	0.983470389
ecb_02876	yghZ	-0.032226134	0.983470389
ecb_03685	dapF	0.040288846	0.983470389
ecb_02927	bacA	-0.031175679	0.983470389
ecb_02757	pgk	0.020213856	0.983470389
ecb_00975	hyaA	0.020867969	0.983470389
ecb_02197	yfbL	-0.041112255	0.983470389
ecb_03961	rpiR	0.034604899	0.983470389
ecb_00322	yaiV	0.032036156	0.983470389
ecb_02498	rpsP	-0.022744216	0.983470389
ecb_00856	nfsA	0.025118863	0.983470389
ecb_03165	rpsC	-0.017973363	0.983470389
ecb_00301	mhpA	-0.030709141	0.983470389
ecb_01742	ydjI	0.029409562	0.983470389
ecb_02019	gatB	0.032508799	0.983470389
ecb_01754	yeal	0.034691106	0.983470389
ecb_03587	rnpA	0.039838973	0.983470389
ecb_00725	ybhC	-0.034541352	0.983470389
ecb_02349	eutD	-0.02841704	0.983470389
ecb_01277	puuC	0.063719579	0.983470389
ecb_01036	csgE	-0.04463682	0.983470389
ecb_03021	yhbP	-0.032476844	0.983470389

ecb_00456	allR	0.025465206	0.983470389
ecb_02276	dsdA	-0.037608317	0.983470389
ecb_01433	fdnH	0.041021033	0.983470389
ecb_03981	yjcZ	0.031758955	0.983470389
ecb_01261	yciT	-0.039881745	0.983470389
ecb_00629	miaB	-0.038324235	0.983470389
ecb_03449	yibA	-0.042582431	0.983470389
ecb_01324	rcbA	-0.065664688	0.983470389
ecb_03241	aroB	-0.026560674	0.983470389
ecb_03752	hemN	0.02257663	0.983470389
ecb_00616	hscC	0.024738361	0.983470389
ecb_02657	rlmM	0.022206334	0.983470389
ecb_00442	fetB	0.019987161	0.983470389
ecb_03158	rpsN	-0.01816735	0.983470389
ecb_02922	rfaE	0.04058392	0.983470389
ecb_03999	ghoS	0.050588439	0.983470389
ecb_02154	yfaS	0.025764998	0.983470389
ecb_01393	ydcP	0.025120905	0.983470389
ecb_03078	gltD	-0.039783921	0.983470389
ecb_02704	ygeX	0.039724498	0.983470389
ecb_02948	ygjJ	0.030373695	0.983470389
ecb_02988	yhaC	-0.046515319	0.983470389
ecb_01604	dtpA	-0.022996291	0.983470389
ecb_03070	rapZ	0.026046028	0.983470389
ecb_01374	cybB	-0.026288672	0.983470389
ecb_00386	bolA	-0.043680059	0.983470389
ecb_02691	kdul	0.049020082	0.983470389
ecb_01328	racC	-0.048937613	0.983470389
ecb_03951	fdhF	0.026748431	0.983470389
ecb_00848	stfE	0.029305719	0.983470389
ecb_03168	rplB	0.019316069	0.983470389
ecb_02386	bepA	-0.030821184	0.983470389
ecb_02972	yhaH	-0.031581443	0.983470389
ecb_02485	bamD	0.021054409	0.983470389
ecb_00046	fixB	-0.023279178	0.983470389
ecb_01347	uspF	0.053242524	0.983470389
ecb_00036	carA	0.045390024	0.983470389
ecb_03295	yrhB	0.0309364	0.983470389
ecb_00098	secM	0.027151894	0.983470389
ecb_00792	fsaA	0.026598772	0.983470389
ecb_03427	yiaK	0.030423061	0.983470389
ecb_01961	wcaE	-0.038378406	0.983470389
ecb_00298	lacZ	0.038423637	0.983470389
ecb_03368	yhjB	-0.026547169	0.983568565
ecb_00531	cusS	0.037630199	0.983568565
ecb_02426	yfhR	-0.037099827	0.983568565
ecb_02417	fdx	-0.044037596	0.983568565
ecb_01094	tmk	0.022718853	0.983568565
ecb_03755	glnA	-0.02440758	0.983568565
ecb_04106	nrdD	0.030345595	0.983579146

ecb_02740	pepP	0.049360418	0.984151794
ecb_02405	yfgM	-0.053021234	0.984151794
ecb_01839	yecE	-0.02820207	0.984554627
ecb_02710	mocA	0.035505222	0.984637297
ecb_00356	secD	-0.027758203	0.984637297
ecb_03209	yhfK	0.03714845	0.985437564
ecb_03467	secB	-0.017795777	0.985437564
ecb_02414	sseB	-0.035903054	0.985437564
ecb_03578	dgoR	-0.024418361	0.985564467
ecb_01638	ydhT	0.021866281	0.985564467
ecb_00797	gsiB	0.024837772	0.985564467
ecb_01726	ynjE	-0.057914744	0.985564467
ecb_00412	tomB	0.019563979	0.985564467
ecb_04046	rnr	-0.03340372	0.985564467
ecb_03571	yidQ	-0.021809949	0.985564467
ecb_03413	wecH	0.032971826	0.985564467
ecb_00756	clsB	-0.020732684	0.985564467
ecb_00486	intD	0.027653423	0.985606489
ecb_00373	panE	-0.019085694	0.985606489
ecb_02464	rseC	-0.035462414	0.985606489
ecb_03170	rpID	0.016213552	0.985606489
ecb_02741	ygfB	0.017146459	0.985606489
ecb_00954	pqiA	-0.020561215	0.985618684
ecb_02617	ygcU	0.025978052	0.985701294
ecb_01957	gmm	0.032357029	0.985701294
ecb_01584	uidC	-0.032488133	0.985862452
ecb_02613	ygcP	-0.023168213	0.986228043
ecb_02350	eutT	0.02192636	0.98649297
ecb_01384	rimL	-0.028490371	0.987203778
ecb_03867	thiG	-0.026184505	0.98737921
ecb_00937	ssuB	-0.026664869	0.98759172
ecb_02378	hyfF	-0.021522352	0.98759172
ecb_02382	hyfJ	-0.03261534	0.98759172
ecb_02365	ypfH	-0.062706037	0.98759172
ecb_00129	yadE	-0.023472253	0.98759172
ecb_02340	eutC	0.02351579	0.98759172
ecb_04201	yjiJ	-0.038321715	0.98759172
ecb_03414	yiaA	-0.043676296	0.987614228
ecb_03895	yjbD	-0.024088254	0.987614228
ecb_00107	ppdD	-0.021550313	0.987644929
ecb_02495	rpIS	-0.024367551	0.989111278
ecb_02805	yeeS	-0.04911785	0.989111278
ecb_00169	pyrH	-0.030648941	0.989111278
ecb_01230	ompW	0.026938328	0.989221591
ecb_00418	priC	-0.0233448	0.989463126
ecb_00678	ybgQ	0.022599292	0.989463126
ecb_02015	yegS	-0.019485324	0.989463126
ecb_01626	sodB	0.024028642	0.989463126
ecb_04102	yjgA	-0.018896055	0.989463126
ecb_00812	ybjJ	-0.020321867	0.989463126

ecb_02406	hisS	-0.017412422	0.989463126
ecb_01967	wzb	0.019854067	0.989463126
ecb_00866	artM	-0.016197364	0.989463126
ecb_01499	ydfH	-0.023662341	0.989463126
ecb_04068	priB	-0.017308903	0.989463126
ecb_00813	rcdA	-0.019334821	0.989463126
ecb_03492	mutM	0.027197751	0.989463126
ecb_00942	elfA	-0.018036867	0.989463126
ecb_02507	ratA	0.024384466	0.989463126
ecb_00651	kdpE	0.016278268	0.989463126
ecb_03171	rplC	0.014579223	0.989463126
ecb_02344	eutG	0.036147376	0.989463126
ecb_03045	yhbY	0.021935763	0.989463126
ecb_02598	ftsB	0.020919067	0.989463126
ecb_00111	aroP	0.032096041	0.989463126
ecb_02496	trmD	-0.017095745	0.989463126
ecb_00074	leuC	0.020604097	0.989463126
ecb_03705	yigL	0.030445285	0.989463126
ecb_02789	yggL	0.02144186	0.989463126
ecb_01759	yeaM	-0.020662814	0.989463126
ecb_01639	ydhU	0.020836531	0.989463126
ecb_01195	chaB	-0.029764234	0.989463126
ecb_04063	ulaD	-0.017199991	0.989463126
ecb_00689	mngR	-0.017904559	0.989463126
ecb_03585	dnaA	0.024548388	0.989463126
ecb_00081	cra	0.024336837	0.989463126
ecb_r00002	rrlH	-0.01296963	0.989463126
ecb_03898	yjbE	-0.019955485	0.989463126
ecb_00183	accA	0.031602366	0.989463126
ecb_01643	ydhY	0.031117052	0.989463126
ecb_03731	tatC	0.024091763	0.989463126
ecb_03676	aslA	-0.029216035	0.989463126
ecb_00063	araD	-0.028000441	0.989463126
ecb_00532	cusR	-0.050604795	0.989463126
ecb_01797	yobH	0.036547543	0.989463126
ecb_01306	pgrR	-0.017864025	0.989463126
ecb_03148	rpsK	0.013262834	0.989524609
ecb_00981	appC	0.016339059	0.989746778
ecb_02208	nuoG	0.042982613	0.990750322
ecb_01245	rluB	-0.029831331	0.991044801
ecb_00310	frmA	0.020311607	0.991097505
ecb_03624	gidB	-0.023476879	0.991213555
ecb_00995	yccM	-0.02358357	0.991213555
ecb_00288	prpD	0.015022337	0.991213555
ecb_00763	ybiH	0.027601075	0.991213555
ecb_00581	citG	0.023485495	0.991213555
ecb_00947	ycbV	-0.017916391	0.991213555
ecb_04214	hsdS	-0.021936893	0.991213555
ecb_00700	tolB	-0.020526373	0.991213555
ecb_03859	rplK	0.015657646	0.991213555

ecb_01841	cmoA	0.021330743	0.991213555
ecb_01323	ydaQ	-0.032755554	0.991213555
ecb_03120	yhdJ	-0.021668217	0.991213555
ecb_00646	ybfP	-0.021556661	0.991422184
ecb_03387	ldrD	0.031410596	0.991534361
ecb_03862	rpIL	-0.014837441	0.991534361
ecb_03778	fdoH	0.071330109	0.991583392
ecb_00939	ssuD	0.017785183	0.991676858
ecb_02540	emrA	0.020976274	0.991676858
ecb_00498	ninE	0.025268244	0.991676858
ecb_00374	yajQ	-0.025779471	0.991676858
ecb_02428	hcaT	-0.018042493	0.991676858
ecb_02236	ubiX	0.020797333	0.991676858
ecb_03998	yjdJ	-0.025112878	0.991676858
ecb_03308	panZ	-0.019270161	0.991676858
ecb_02054	yehT	-0.033089545	0.991676858
ecb_00919	lpxK	0.017386009	0.991676858
ecb_03366	yhjA	0.025167419	0.991676858
ecb_01658	ydiL	-0.021063941	0.991676858
ecb_01165	dadX	0.02760494	0.991676858
ecb_03013	rsmI	-0.018896392	0.991676858
ecb_02367	ypfJ	-0.023809887	0.991676858
ecb_01748	gapA	0.013443383	0.991676858
ecb_00206	yafS	0.014367467	0.991676858
ecb_04140	insG	0.01524994	0.991676858
ecb_01376	hokB	-0.02662734	0.991676858
ecb_00988	gfcC	-0.020713791	0.991676858
ecb_03155	rpIR	0.012608885	0.991676858
ecb_01182	prs	-0.026381001	0.991676858
ecb_02032	thiM	-0.028153674	0.991676858
ecb_02212	nuoB	0.018716603	0.991676858
ecb_00979	hyaE	-0.01463904	0.991676858
ecb_02925	ygiM	0.018185769	0.991676858
ecb_01490	marA	0.021995802	0.991676858
ecb_01363	ynbA	0.027005314	0.991676858
ecb_01563	mlc	-0.025738764	0.991676858
ecb_01567	ydgD	-0.022327792	0.991676858
ecb_02076	preA	0.015987235	0.991676858
ecb_01026	pgaA	0.018520456	0.99204887
ecb_01966	wzc	0.028509627	0.99204887
ecb_02445	glnB	-0.028329644	0.99204887
ecb_03385	bcsF	0.020437463	0.99204887
ecb_00254	ykgL	0.021295729	0.99204887
ecb_01751	mipA	0.031636019	0.992876785
ecb_00653	kdpC	0.018342358	0.992876785
ecb_00809	mdfA	0.013534161	0.992876785
ecb_00279	yahJ	-0.010623322	0.992876785
ecb_03157	rpsH	0.009276427	0.992876785
ecb_00128	yadI	-0.020745172	0.992876785
ecb_04077	ytfA	0.014978543	0.992876785

ecb_00225	mbhA	0.015289343	0.992876785
ecb_00976	hyaB	-0.018809844	0.992876785
ecb_01110	mfd	-0.02488973	0.992876785
ecb_03647	ilvM	0.013518214	0.992876785
ecb_03850	trmA	0.015305494	0.992876785
ecb_00521	ybcH	0.016498642	0.992876785
ecb_00191	nlpE	0.014433654	0.992876785
ecb_02434	hcaD	-0.012922915	0.992876785
ecb_01267	sapF	0.016885633	0.992876785
ecb_01024	pgaC	-0.013918026	0.992876785
ecb_01588	hdhA	0.016122948	0.992876785
ecb_01146	ymgD	0.019009272	0.992876785
ecb_01914	sbcB	0.018882711	0.992876785
ecb_03507	spoT	-0.023505925	0.992876785
ecb_01330	kilR	0.030896792	0.992876785
ecb_01859	cheA	-0.012536578	0.992876785
ecb_00575	ahpF	-0.022065892	0.992876785
ecb_04049	yjfI	0.022051048	0.992876785
ecb_01045	opgG	0.017646371	0.992876785
ecb_01401	patD	-0.021908094	0.992876785
ecb_00749	moaB	-0.012818907	0.992876785
ecb_00124	hpt	-0.01513827	0.992876785
ecb_01284	pspD	-0.018840499	0.992876785
ecb_02206	nuoI	0.013853206	0.992876785
ecb_00311	frmR	0.013535171	0.992876785
ecb_00227	yafN	0.018173977	0.992876785
ecb_00803	bssR	0.015950157	0.992876785
ecb_02203	nuoL	-0.015500091	0.992876785
ecb_01727	ynjF	0.011965823	0.992876785
ecb_01852	cheZ	0.016126186	0.992876785
ecb_03741	hemG	-0.017370202	0.992876785
ecb_00170	frr	0.011131898	0.992876785
ecb_02198	yfbM	0.014388706	0.992876785
ecb_02390	upp	-0.030803669	0.992876785
ecb_03251	yrfG	-0.014473867	0.992876785
ecb_02484	rluD	-0.013430688	0.992876785
ecb_02478	pka	0.017587798	0.992876785
ecb_02640	ygdH	0.013959686	0.992876785
ecb_01468	yneL	0.027346717	0.992876785
ecb_00639	ybfN	0.013611746	0.992876785
ecb_02348	eutM	-0.016021502	0.992876785
ecb_01702	chbG	-0.010939211	0.992876785
ecb_01437	maeA	0.022487983	0.992876785
ecb_01410	ansP	-0.01310706	0.992876785
ecb_03575	dgoD	-0.013606816	0.992876785
ecb_02885	dkgA	0.018039955	0.992876785
ecb_00185	yaeR	0.013387717	0.992876785
ecb_03032	rpsO	-0.016012023	0.992876785
ecb_04010	fxsA	0.013225898	0.992876785
ecb_00208	dnaQ	0.017521804	0.992876785

ecb_02919	glgS	-0.019426952	0.992876785
ecb_03192	rpsG	0.011378918	0.992876785
ecb_00914	cmk	-0.011978546	0.992876785
ecb_02571	hycE	0.015733895	0.992876785
ecb_02303	yfeA	-0.023613865	0.992876785
ecb_00755	ybhN	-0.013155624	0.992876785
ecb_03331	rhsB	0.022313556	0.992876785
ecb_03167	rpsS	0.010973594	0.992876785
ecb_01959	gmd	0.022045829	0.992876785
ecb_03188	bfd	-0.022194357	0.992876785
ecb_01171	ycgY	-0.027696395	0.992876785
ecb_02053	yehS	0.014494106	0.992876785
ecb_00758	ybhQ	-0.030418639	0.992876785
ecb_00614	ybeU	0.017907855	0.992876785
ecb_03777	fdol	0.053584324	0.992876785
ecb_01551	ynfA	-0.016955669	0.992876785
ecb_03193	rpsL	0.011115611	0.992876785
ecb_02637	yqcC	0.015851378	0.992876785
ecb_00321	yaiT	-0.01552719	0.992876785
ecb_04067	rpsF	-0.011383615	0.992876785
ecb_02383	hyfR	-0.013884311	0.992876785
ecb_02164	yfaH	0.021013002	0.992876785
ecb_02207	nuoH	-0.014682143	0.992876785
ecb_00295	cynX	0.015890331	0.992876785
ecb_00453	ybbB	0.013241206	0.992876785
ecb_03357	hdeB	0.023355227	0.992876785
ecb_00953	uup	0.024269059	0.992876785
ecb_02629	relA	-0.027586518	0.992876785
ecb_02346	eutE	-0.021990381	0.992876785
ecb_01831	ruvB	0.025060476	0.992876785
ecb_01960	wcaF	-0.01459692	0.992984885
ecb_01263	rnb	0.021992264	0.993133668
ecb_00598	ybeF	0.018748048	0.993133668
ecb_00186	tilS	0.014118586	0.993339344
ecb_02654	fuck	-0.033843961	0.993356112
ecb_01281	pspA	-0.018595625	0.993356112
ecb_02375	hyfC	-0.013019897	0.993356112
ecb_03294	yrhA	-0.027041308	0.993356112
ecb_02353	eutS	0.016101404	0.993356112
ecb_03996	dcuS	0.011594146	0.993356112
ecb_01539	dicA	-0.01497428	0.993356112
ecb_00312	yaiO	0.010788294	0.993356112
ecb_00326	yaiY	0.010564408	0.993356112
ecb_03115	yhdT	0.011130265	0.993356112
ecb_01495	ydeI	0.017735178	0.993356112
ecb_03401	bisC	0.007891167	0.993356112
ecb_03399	tag	0.009149139	0.993356112
ecb_03554	ilvN	-0.015955411	0.993356112
ecb_01755	yeaJ	-0.012510673	0.993356112
ecb_01581	fumA	-0.011831897	0.993356112

ecb_02874	yghW	0.019030689	0.993356112
ecb_03238	rpe	0.00721838	0.993356112
ecb_00175	bamA	0.010209764	0.993356112
ecb_02539	mprA	0.008969957	0.993356112
ecb_00245	paoA	0.013366013	0.993356112
ecb_00073	leuD	0.014271492	0.993356112
ecb_02995	yhaV	-0.016349797	0.993356112
ecb_00282	yahM	-0.009607556	0.993356112
ecb_03111	csrD	0.010393187	0.993356112
ecb_02660	ygdI	0.011378762	0.993356112
ecb_02204	nuoK	-0.010256193	0.993356112
ecb_02373	hyfA	0.014033755	0.993356112
ecb_00108	nadC	-0.009420875	0.993356112
ecb_02155	yfaT	-0.015271825	0.993356112
ecb_00366	pgpA	-0.01351889	0.993356112
ecb_00997	torT	0.009432061	0.993356112
ecb_00078	leuO	0.012322598	0.993356112
ecb_02986	tdcR	-0.01843699	0.993356112
ecb_01130	hflD	-0.016167975	0.993356112
ecb_01838	yecD	0.010247985	0.993356112
ecb_00452	yIbG	0.008050882	0.993356112
ecb_04241	yjJP	-0.014966248	0.993356112
ecb_00965	yccF	0.008089206	0.993356112
ecb_01740	ydjG	0.008258397	0.993356112
ecb_02355	talA	-0.011427777	0.993356112
ecb_00189	yaeQ	-0.014928044	0.993356112
ecb_00099	secA	-0.010968246	0.993356112
ecb_01448	yddV	0.017627015	0.993356112
ecb_02655	fucU	-0.029410132	0.993356112
ecb_00804	yIil	-0.010918533	0.993356112
ecb_01532	hokD	-0.040089212	0.993356112
ecb_02338	eutK	-0.01108213	0.993356112
ecb_03089	sspA	0.010065145	0.993356112
ecb_04235	yjJN	0.013648577	0.993356112
ecb_03478	waaC	0.014281695	0.993356112
ecb_00702	ybgF	-0.007888263	0.993356112
ecb_00999	torC	0.008946202	0.993356112
ecb_01283	pspC	-0.013972967	0.993356112
ecb_03169	rplW	0.007469696	0.993356112
ecb_01232	yciF	0.018914303	0.993356112
ecb_00115	lpd	0.007114559	0.993356112
ecb_02342	eutA	-0.011409693	0.993356112
ecb_03973	phnG	-0.019688015	0.993356112
ecb_03450	yibJ	0.01128893	0.993356112
ecb_03091	rplM	0.008689924	0.993356112
ecb_01035	csfG	-0.017367313	0.993356112
ecb_00171	dxr	0.009073538	0.993356112
ecb_02055	yehU	-0.015530678	0.993356112
ecb_01681	ihfA	0.007930781	0.993356112
ecb_00248	ecpE	-0.00841514	0.993356112

ecb_01432	fdnG	0.014032811	0.993356112
ecb_04136	intB	0.008275003	0.993356112
ecb_03121	yhdU	-0.020399988	0.993356112
ecb_02214	lrhA	-0.01101991	0.993356112
ecb_03073	mtgA	-0.01658079	0.993356112
ecb_02050	yehP	0.01637116	0.993356112
ecb_03439	viaT	0.010096514	0.993356112
ecb_04122	yjgM	0.013917275	0.993356112
ecb_01295	ycjV	-0.014146597	0.993356112
ecb_03250	yrfF	-0.010636787	0.993356112
ecb_02706	hyuA	-0.01757	0.993356112
ecb_02397	yfgH	0.00941717	0.993356112
ecb_03682	cyaY	0.014812641	0.993356112
ecb_02184	arnE	-0.018374469	0.993356112
ecb_02171	yfaU	-0.008309792	0.993356112
ecb_02419	hscB	-0.016823841	0.993356112
ecb_03477	waaF	0.015695229	0.993356112
ecb_02415	pepB	0.014383902	0.993356112
ecb_04044	purA	0.013049945	0.993356112
ecb_01450	gadC	-0.01612054	0.993365418
ecb_03785	frvA	0.013229388	0.993365418
ecb_01724	ynjC	-0.013068312	0.993376836
ecb_02731	yqfA	0.011701091	0.993429334
ecb_01430	yddL	-0.016002111	0.993429334
ecb_00244	paoB	0.010834291	0.993429334
ecb_00871	ybjQ	0.01027022	0.993569214
ecb_01720	ydjY	-0.009936765	0.99363837
ecb_00984	etk	-0.008582196	0.99363837
ecb_02932	ttdB	0.011929371	0.99363837
ecb_00943	elfD	0.010605293	0.99363837
ecb_03026	yhbV	0.009885158	0.99363837
ecb_04084	ytfH	-0.008681637	0.99363837
ecb_03808	uspD	-0.012053516	0.99371462
ecb_00877	hcr	0.008199518	0.99371462
ecb_01729	ynjH	-0.007148472	0.99390035
ecb_03870	thiE	-0.010378182	0.99390035
ecb_01439	bdm	-0.018585319	0.99390035
ecb_03253	hslO	0.009194064	0.99390035
ecb_00168	tsf	0.006983083	0.99390035
ecb_03023	yhbS	-0.007367526	0.99390035
ecb_02312	zipA	0.015176051	0.994612197
ecb_03901	yjbH	0.007709983	0.994612197
ecb_01791	mntP	0.008067926	0.994612197
ecb_03315	yhhL	-0.006837903	0.994697732
ecb_02352	eutP	-0.006370523	0.994697732
ecb_00966	helD	0.006004019	0.994697732
ecb_00661	ybfC	-0.014285411	0.995177588
ecb_00920	ycaQ	0.009759082	0.995233321
ecb_00751	moaD	-0.008816859	0.995233321
ecb_02083	yeiG	0.007385528	0.995233321

ecb_03068	hpf	0.006721139	0.995233321
ecb_00855	ybjC	-0.009005826	0.995392893
ecb_03579	yidX	-0.007387213	0.995392893
ecb_03166	rplV	-0.00496431	0.995656216
ecb_02899	ygiZ	-0.01151779	0.99578667
ecb_02430	hcaE	-0.005600428	0.996431376
ecb_00806	dacC	0.010098211	0.996431376
ecb_00573	dsbG	-0.005085701	0.996431376
ecb_03860	rplA	-0.005709911	0.996431376
ecb_03233	yhfX	0.008998042	0.996431376
ecb_01187	prmC	-0.005349368	0.996438862
ecb_02678	rppH	0.004214554	0.996438862
ecb_02656	fucR	0.007582389	0.996438862
ecb_00309	frmB	-0.004342927	0.996438862
ecb_01657	ydiK	-0.007297189	0.996438862
ecb_01583	ydgA	0.004648075	0.996438862
ecb_01129	purB	0.010137366	0.996438862
ecb_02066	yohD	-0.007212483	0.996438862
ecb_01695	yniB	0.008323905	0.996438862
ecb_01046	opgH	-0.007867694	0.996438862
ecb_00066	araC	0.008771185	0.996438862
ecb_01585	uidB	-0.006028269	0.996438862
ecb_02363	dapE	0.005892078	0.996438862
ecb_01719	ydjX	-0.010357666	0.996438862
ecb_03024	yhbT	0.004589173	0.996438862
ecb_01701	katE	0.00858747	0.996438862
ecb_03607	bgjG	0.007721179	0.996438862
ecb_03067	rpoN	0.005207834	0.996438862
ecb_02306	gltX	0.009822489	0.996438862
ecb_03648	ilvE	-0.00430397	0.996438862
ecb_02526	alaE	-0.006901576	0.996438862
ecb_01705	chbA	0.005889148	0.996438862
ecb_04042	hflC	0.006011105	0.996438862
ecb_01806	rsmF	-0.007060344	0.996438862
ecb_00590	dpiA	0.005326577	0.996438862
ecb_00176	skp	0.004551597	0.996438862
ecb_01331	sieB	0.009546697	0.996438862
ecb_01985	yegP	0.006720429	0.996438862
ecb_02422	iscS	-0.004953437	0.996438862
ecb_04115	yjgH	0.008415645	0.996438862
ecb_00464	glxK	-0.006387842	0.996438862
ecb_03090	rpsl	-0.004469932	0.996933652
ecb_01687	infC	-0.00408151	0.996933652
ecb_03586	rpmH	0.003770624	0.996933652
ecb_03495	yicR	-0.005749534	0.996933652
ecb_03151	secY	0.003125608	0.996933652
ecb_02285	yfdX	0.006259875	0.996933652
ecb_02698	ygeR	-0.004592763	0.996933652
ecb_02293	fryA	-0.004171533	0.996933652
ecb_01561	clcB	-0.005461995	0.996933652

ecb_03240	damX	0.002737672	0.996933652
ecb_02718	ygfS	0.006431849	0.996933652
ecb_00600	ybeD	0.00445552	0.996933652
ecb_00502	ybcQ	0.004221297	0.996933652
ecb_03056	mIaB	-0.003193055	0.996933652
ecb_01188	yChQ	-0.004200081	0.996933652
ecb_00916	ihfB	-0.00246292	0.996933652
ecb_02614	ygcQ	-0.005681166	0.996933652
ecb_03405	YiaG	-0.004324419	0.996933652
ecb_r00003	rrfH	0.003894277	0.996933652
ecb_02345	eutJ	-0.005837729	0.996933652
ecb_00872	amiD	-0.004150215	0.996933652
ecb_00672	ybgK	-0.005155388	0.996933652
ecb_02223	yfcC	0.005124016	0.996933652
ecb_04069	rpsR	0.003198152	0.996933652
ecb_03993	fumB	0.007302692	0.996933652
ecb_01664	ydiO	-0.004138717	0.996933652
ecb_02892	ygiS	0.00584399	0.996933652
ecb_03921	dusA	-0.004533276	0.996933652
ecb_03935	soxR	0.003885389	0.996933652
ecb_00904	ycaN	-0.003316383	0.996933652
ecb_01266	ycjD	-0.002939229	0.996933652
ecb_03580	yidA	0.004098503	0.996933652
ecb_03398	yhjY	-0.004982952	0.996933652
ecb_02676	lgt	0.006622153	0.996933652
ecb_03920	yjbM	-0.008605296	0.996933652
ecb_01798	kdgR	0.00698358	0.996933652
ecb_03660	rhoL	-0.002503236	0.997098112
ecb_02653	fucI	-0.007908556	0.99722593
ecb_03662	rfe	0.002812885	0.99722593
ecb_03497	dut	-0.002479899	0.99722593
ecb_00230	ykfJ	0.003856371	0.99722593
ecb_03146	rpoA	-0.001566505	0.99722593
ecb_03359	hdeD	0.002962679	0.99722593
ecb_03153	rpmD	0.001963268	0.99722593
ecb_03147	rpsD	-0.001648983	0.99722593
ecb_01758	yeaL	0.002984004	0.99722593
ecb_03088	sspB	0.002182635	0.99722593
ecb_01861	motA	0.002897929	0.99722593
ecb_00427	aes	-0.002240402	0.99722593
ecb_02359	aegA	0.002935192	0.99722593
ecb_00892	trxB	0.002587602	0.99722593
ecb_01095	hoIb	0.002138843	0.99722593
ecb_03293	yhhZ	0.002723679	0.99722593
ecb_02094	psuG	-0.002945624	0.99722593
ecb_02395	yfgF	-0.002554961	0.99722593
ecb_00177	lpxD	-0.002044593	0.997274427
ecb_02246	flk	0.002061583	0.997274427
ecb_01509	lomR	-0.002281357	0.997454095
ecb_00915	rpsA	0.001795035	0.997454095

ecb_03353	yhiS	0.003828561	0.997733829
ecb_02347	eutN	-0.001792025	0.997733829
ecb_03053	sfsB	-0.002272951	0.997820316
ecb_02210	nuoE	-0.001637526	0.997820316
ecb_00343	mak	0.001510175	0.997820316
ecb_03161	rplN	-0.001175253	0.997842722
ecb_01040	csgC	0.001679836	0.99792226
ecb_02439	yphE	0.001416958	0.99792226
ecb_03562	yidJ	0.001314972	0.99792226
ecb_03605	bglB	-0.001942956	0.99792226
ecb_03154	rpsE	0.00097543	0.997928995
ecb_03625	mnmG	0.00144371	0.997928995
ecb_01811	yebZ	0.00132068	0.997928995
ecb_02694	yqeH	0.002014838	0.997928995
ecb_00989	gfcB	0.001621319	0.997990551
ecb_02951	higA	-0.001141543	0.997990551
ecb_03400	yiaC	0.001768325	0.997990551
ecb_03198	fkpA	0.001056449	0.997990551
ecb_02976	yhaL	0.001725101	0.997998843
ecb_01665	ydiP	0.001289008	0.997998843
ecb_02506	ratB	-0.001623997	0.997998843
ecb_00494	ybcK	-0.001352526	0.997998843
ecb_00547	hokE	0.001544569	0.99815943
ecb_03321	dcrB	-0.000810391	0.998276534
ecb_04220	yjiY	0.001577872	0.998762805
ecb_03469	yibN	0.000289998	0.999307974
ecb_02865	yghU	-0.000250754	0.999618404
ecb_01296	ompG	0.000292739	0.999618404
ecb_00879	ybjE	0.000260041	0.999618404
ecb_01846	yecM	-0.000327125	0.999618404
ecb_01645	pykF	3.78E-05	0.999908084
ecb_03156	rplF	-0.000101057	0.999908084
ecb_01887	yedZ	8.21E-05	0.999908084
ecb_01086	plsX	-4.67E-05	0.999908084
ecb_00306	mhpE	-9.02E-06	0.999908084
ecb_03005	agaB	1.95E-05	0.999908084
ecb_03239	dam	0.000239716	0.999908084
ecb_03332	yhhH	-0.000102397	0.999908084
ecb_01329	ydaE	0.000287847	0.999908084