An estimate of relative contributions of transcriptional and translational regulation by absolute protein expression profiling
Peng Lu, Christine Vogel, Rong Wang, Xin Yao, Edward M. Marcotte
Supplemental Dataset S2. APEX *E. coli* protein abundances for minimal medium, with comparisons to other datasets

'Other protein' and mRNA datasets are from the following sources:

Name	Type	Reference	Names (datasets)	Conditions
Covert	mRNA	Covert, Nature 2004 Fong, Genome Research 2005 Fong, JBC, 2006	GSE1121 GSM18261: aerobic_wild_rep1 GSM18262: aerobic_wild_rep2 GSM18263: aerobic_wild_rep3	E.coli K12 MG1655; glucose; T=37; wild-type; M9 medium; aerobic
Blattner	mRNA	Allen, J Bacteriology 2003	GSE2037 GSM37063-7	E.coli MG1655; MOPS; glucose, Affy,
Corbin	mRNA	Corbin, Hunt, PNAS 2003		E.coli MG1655; MOPS; glycerol; Affy; T=37C; OD0.4-0.5
Lopez	protein	Lopez-Campistrous, Mol Cell Proteomics. 2005 4(8):1205-9		E. coli K12 MG1655; MOPS, T=37C; OD0.2, glucose

		Gene information and APEX normalization terms							MS data (APEX in molec/cell)				Other protein data		mRNA (molecules/cell)			
PID	**Gene**	**Locus_tag**	**Length**	**GeneID**	**GI**	**CAI**	**# potential**	**O_i**	**p_i**	**coverage**	**n_i (#**	**APEX**	**2D mol/cell**	**2D rel.cnts**	**Covert**	**Blattner**	**Corbin**	**Avg (2 of 3)**
16127995	thrL	b0001	21	944742	1786182	0.687685	4	1.39							14.07	4.47	1.68	6.73558
16127996	thrA	b0002	820	945803	1786183	0.417476	226	65.1	1	46.6	106	8864.15			20.56	9.84	16.99	15.7967
16127997	thrB	b0003	310	947498	1786184	0.406926	72	16.27	0.94	11	1	314.52	3323.99	0.104	11.18	4.78	8.46	8.1401
16127998	thrC	b0004	428	945198	1786185	0.45679	104	33.28	1	52.3	79	12922.78	958.84	0.03	13.83	5.95	18.75	12.8433
16127999	-	b0005	98	944747	1786186	0.43805	36	9.98										
16128000	yaaA	b0006	258	944749	1786187	0.417054	77	22.4							1.33	0.78	1.31	1.13783
16128001	yaaJ	b0007	476	944745	1786188	0.391342	65	12.8							0.50	0.30	0.43	0.4087
16128002	talB	b0008	317	944748	1786189	0.669925	105	32	1	50.2	62	10547.61	19528.45	0.611	19.38	15.14	25.64	20.0537
16128003	mog	b0009	195	944760	1786190	0.448153	48	14.16							2.38	1.46	1.62	1.81923
16128004	yaaH	b0010	188	944792	1786191	0.6385	18	2.99										
16128005	b0011	b0011	237	944771	1786193	0.350254	86	25.27									0.42	
16128006	htgA					0.264197											0.19	
16128007	yaaI	b0013	134	944751	1786195	0.438682	39	11.38										
16128008	dnaK	b0014	638	944750	1786196	0.770383	201	61.08	1	63.2	155	13814.81	77953.98	2.439	16.77	14.00	16.56	15.7792
16128009	dnaJ	b0015	376	944753	1786197	0.584349	138	28.13	1	9.8	7	1354.69			8.40	3.53	5.60	5.84402
16128010	yi81_1	b0016	370	944754	1786198	0.274602	124	32.38								1.53		
16128011	yi82_1	b0017	102	944755	1786199	0.264621	36	7.05								0.52	0.17	0.34217
16128012	gef	b0018	69	944756	1786200	0.384391	28	3.6									0.27	
16128013	nhaA	b0019	388	944758	1786201	0.383248	59	11.79							3.54	1.62	1.46	2.20863
16128014	nhaR	b0020	301	944757	1786202	0.380145	75	18.85							1.64	0.54	0.80	0.99392
16128015	insB_1	b0021	167	944743	1786203	0.325832	67	18.65										
16128016	insA_1	b0022	91	948449	1786204	0.397536	31	7.36							1.43	1.81		1.61844
16128017	rpsT	b0023	87	944759	1786206	0.722682	53	8.46	1	34.5	15	9652.35			15.26	36.22	9.77	20.4191
16128018	b0024	b0024	72	949128	1786207	0.271745	20	5.57									0.20	
16128019	ribF	b0025	313	949129	1786208	0.388231	103	29.25							9.31	4.38	4.83	6.17445
16128020	ileS	b0026	938	944761	2367096	0.616789	276	75.85	1	14.2	11	789.49			8.33	3.75	5.03	5.70597
16128021	lspA	b0027	164	944800	1786210	0.464787	27	5.26							4.98	2.33	4.54	3.95239
16128022	slpA	b0028	149	944807	1786211	0.526615	23	7.91	0.47	47.7	2				5.12	2.76	3.52	3.80013
16128023	lytB	b0029	316	944777	1786212	0.524805	103	26.81					1821.80	0.057	2.94	2.38	1.66	2.32774
16128024	yaaF	b0030	304	944796	1786213	0.401017	46	10.35							0.64	0.86	0.85	0.7842
16128025	dapB	b0031	273	944762	1786214	0.435948	77	24.48	0.98	11.7	4	871.74			7.15	8.27	2.93	6.11334
16128026	carA	b0032	382	949025	1786215	0.489905	92	24.31	1	12.8	13	2911.19	2684.76	0.084	15.51	9.28	11.61	12.1336
16128027	carB	b0033	1073	944775	1786216	0.636955	325	88.38	1	14.3	26	1601.52	2013.57	0.063	14.84	8.73	9.55	11.038
16128028	caiF					0.289847									2.06	1.31	1.01	1.46303
16128029	caiE					0.301708									0.38	0.48	0.24	0.36819
16128030	caiD	b0036	297	948995	1786220	0.456988	77	26.27								2.06	0.59	1.32818
16128031	caiC					0.423429									0.70		0.36	0.52938
16128032	caiB	b0038	405	948997	1786222	0.529711	94	29.05	0.26	11.1	1				0.93	0.57	0.36	0.61929
16128033	caiA	b0039	380	949064	1786223	0.548328	115	26.1										
16128034	caiT	b0040	504	944765	1786224	0.466557	71	9.18										
16128035	fixA					0.474101												
16128036	fixB	b0042	313	948939	1786226	0.537907	73	21.71							0.63	0.77	0.46	0.6174
16128037	fixC	b0043	428	948958	1786227	0.461886	121	35.06										
16128038	fixX	b0044	95	948590	1786228	0.493097	31	11.3										
16128039	yaaU	b0045	443	944766	1786229	0.368119	76	14.56								0.39	0.17	0.27762
16128040	yabF	b0046	176	944767	1786231	0.437876	27	8.63							0.90	0.32	0.44	0.55347
16128041	kefC	b0047	620	944773	1786232	0.406663	140	42.09							1.93	0.74	0.68	1.11732
16128042	folA	b0048	159	944790	1786233	0.471066	33	9.23					2045.53	0.064	3.88	1.80	1.98	2.55293
16128043	apaH	b0049	280	944770	1786234	0.465332	71	22.18							1.74	0.90	0.88	1.17062
16128044	apaG	b0050	125	944772	1786235	0.382718	18	5.62							4.39	2.09	2.67	3.05062
16128045	ksgA	b0051	273	944939	1786236	0.444044	69	18.49							5.07	1.86	2.79	3.24295
16128046	pdxA	b0052	329	944919	1786237	0.374416	66	20.26	0.42	19.1	1				3.47	1.65	1.92	2.34826
16128047	surA	b0053	428	944812	1786238	0.581314	131	36.15	0.98	7.7	4	590.32	7830.56	0.245	8.99	4.54	4.77	6.09889
16128048	imp	b0054	784	945011	1786239	0.514584	195	63.7							6.85	3.12	3.41	4.46235
16128049	yabH	b0055	271	948992	1786241	0.462816	91	25.14							2.52	1.95	0.99	1.82238
16128050	yabP	b0056	216	945039	1786242	0.302186	78	24.67							1.89	1.04	0.59	1.17365
16128051	yabQ	b0057	52	944776	1786243	0.401846	19	6.33							5.25	2.21	0.41	2.62257
16128052	yabO	b0058	219	946262	1786244	0.41571	65	13.63							1.62	0.83	0.65	1.0345
16128053	hepA	b0059	968	948523	1786245	0.592239	276	80.18	0.73	9.5	2	99.13			3.40	1.78	1.72	2.30073
16128054	polB	b0060	783	944779	1786246	0.431597	233	61.49									0.44	
16128055	araD	b0061	231	945294	1786247	0.490796	46	11.34									0.71	
16128056	araA	b0062	500	947511	1786248	0.56312	120	28									0.33	
16128057	araB	b0063	566	946017	1786249	0.504471	109	26.5	0.85	17.1	3	523.85			0.97		0.38	0.67457
16128058	araC	b0064	292	944780	1786251	0.345024	69	19.01							1.03	0.59	0.88	0.83157
16128059	yabI	b0065	254	944783	1786252	0.411581	47	10.87							0.96	0.83		0.89922
16128060	yabJ	b0066	232	944785	1786253	0.346831	54	18.11							1.58	1.46	0.57	1.20655
16128061	yabK	b0067	536	944784	1786254	0.398111	104	20.54							2.21	1.33	0.97	1.50184
16128062	tbpA	b0068	327	946306	1786255	0.460359	86	24.85							3.18	1.44	1.19	1.93883
16128063	yabN	b0069	551	944788	1786256	0.408893	145	39.46							1.07	0.72	0.59	0.79267
16128064	yabM					0.332278									0.83	0.81		0.82196
16128065	leuD	b0071	201	945642	1786258	0.522863	53	15.68	1	53.7	21	7290.97	6520.14	0.204	10.75	4.19	5.95	6.96186
16128066	leuC	b0072	466	945076	1786259	0.569024	120	26.47	1	24.7	22	4524.61	1406.30	0.044	14.03	5.82	13.02	10.9531
16128067	leuB					0.507255									17.07	7.69	12.81	12.522
16128068	leuA	b0074	523	947465	1786261	0.512002	151	41.48	1	31	25	3281.05			17.62	7.63	13.90	13.0488
16128069	leuL	b0075	28	946072	1786263	0.266192	10	3.58							4.15	5.72	1.82	3.89456
16128070	leuO					0.352333									0.29		0.20	0.24551
16128071	ilvH	b0078	163	947267	1786266	0.334272	60	19.05							12.42	3.63	3.46	6.50475
16128072	fruL	b0079	28	947277	1786267	0.34141	13	3.15							5.99	1.66	1.66	3.10139
16128073	fruR	b0080	334	944804	1786268	0.415457	115	29.98							2.21	0.94	0.64	1.26289
16128074	yabB	b0081	152	944810	1786269	0.336647	45	13.01							9.86	4.54	5.12	6.50278
16128075	yabC	b0082	313	944806	1786270	0.446387	121	32.13							5.05	2.49	2.40	3.31214
16128076	ftsL	b0083	121	944803	1786271	0.337528	38	12.35							6.76	3.63	2.98	4.45511
16128077	ftsI	b0084	588	944799	1786272	0.457037	191	56.07							3.14	1.71	1.45	2.1013
16128078	murE	b0085	495	944791	1786273	0.477669	119	33.84	0.95	5.9	1	152.83			4.75	2.07	1.74	2.85182
16128079	murF	b0086	452	944813	1786274	0.481998	85	20.76							2.53	1.23	0.87	1.54209
16128080	mraY	b0087	360	944814	1786275	0.478111	65	17.79							3.11	1.63	1.23	1.99262
16128081	murD	b0088	438	944818	1786276	0.479636	102	25.49							3.77	1.93	1.20	2.30038
16128082	ftsW	b0089	414	946322	1786277	0.426463	98	23.57							3.08	1.79	1.29	2.05521
16128083	murG	b0090	355	946321	1786278	0.415387	100	29.27							2.83	2.32	1.31	2.15389
16128084	murC	b0091	491	946153	1786279	0.464962	119	33.39							1.93		0.80	1.36236

16128085	ddlB	b0092	306	946324	1786280	0.3786	70	22.58							7.22	3.74	3.72	4.89336
16128086	ftsQ	b0093	276	944823	1786281	0.387751	87	22.74							7.40	4.87	4.63	5.63356
16128087	ftsA	b0094	420	944778	1786282	0.41216	115	25.89	0.58	9.5	1		1310.42	0.041	9.82	5.22	5.30	6.77915
16128088	ftsZ	b0095	383	944786	1786284	0.613037	87	30.55	1	34.7	16	2851.16	5880.91	0.184	12.56	5.88	11.56	10.0014
16128089	lpxC	b0096	305	944816	1786285	0.537197	84	21.89							11.11	5.99	5.73	7.61004
16128090	yacA					0.345166									3.99	1.70	2.27	2.65351
16128091	secA	b0098	901	944821	1786287	0.622756	313	88.25	1	13.4	10	616.88			4.57	2.19	1.98	2.91234
16128092	mutT	b0099	129	944824	1786288	0.397475	38	13							0.96	0.78		0.86738
16128093	b0100	b0100	44	944825	1786289	0.337959	18	3.27									0.54	
16128094	yacG	b0101	65	945630	1786290	0.419766	15	5.58							2.00	1.09	0.49	1.19313
16128095	yacF	b0102	247	944873	1786291	0.409704	73	21.47							3.13	1.12	1.43	1.89405
16128096	yacE	b0103	206	949060	1786292	0.361195	49	13.16					767.07	0.024	3.12	1.49	1.10	1.90355
16128097	guaC	b0104	347	948986	1786293	0.552914	98	20.54	0.97	10.1	1	257.09	4762.26	0.149	5.93	4.18	3.89	4.66747
16128098	b0105	b0105	35	946599	1786294	0.353364	8	4.46									0.16	
16128099	hofC	b0106	400	945806	1786295	0.327262	82	16.29							0.29	0.28		0.2818
16128100	hofB	b0107	461	947481	1786296	0.334873	107	30.81										
16128101	ppdD	b0108	146	945817	1786297	0.374889	25	5.01										
16128102	nadC	b0109	297	948869	1786299	0.396714	89	26.25					2045.53	0.064	1.85	0.85	0.34	1.01418
16128103	ampD	b0110	183	948877	1786300	0.402939	41	12.88							1.20	0.90	0.92	1.00762
16128104	ampE	b0111	284	946678	1786301	0.362559	74	22.94							1.30	0.88	0.54	0.90437
16128105	aroP	b0112	457	946018	1786302	0.530414	56	8.74							8.87	3.97	2.79	5.20918
16128106	pdhR	b0113	254	944827	1786303	0.386928	86	16.98					639.23	0.02	1.31	0.91	0.39	0.86725
16128107	aceE	b0114	887	944834	1786304	0.73727	268	79.24	1	37.5	88	6045.75	990.80	0.031	23.47	13.21	19.14	18.608
16128108	aceF	b0115	630	944794	1786305	0.693858	203	66.87	1	43.2	57	4640.40			15.95	8.97	10.16	11.6945
16128109	lpdA	b0116	474	944854	1786307	0.719739	142	33.8	1	37.6	47	7569.96	42572.65	1.332	19.11	13.07	27.21	19.7956
16128110	yacH	b0117	617	944868	1786308	0.364284	161	36.71							0.36			
16128111	acnB	b0118	865	944864	2367097	0.646308	230	66.91	1	47.7	122	9926.15	13711.46	0.429	12.45	6.15	5.10	7.90075
16128112	yacL					0.470888									4.77	2.01	1.30	2.69268
16128113	speD	b0120	264	947719	1786311	0.502171	71	18.34	1	19.7	4	1187.33			11.62	7.12	5.71	8.15226
16128114	speE	b0121	288	947726	1786312	0.508674	53	12.12	1	23.3	4	1796.68	3771.45	0.118	12.50	10.17	13.83	12.1652
16128115	yacC					0.324323									1.85	1.86	0.65	1.4563
16128116	yacK	b0123	516	947736	1786314	0.454948	105	26.77							5.85	1.91	2.43	3.39722
16128117	gcd	b0124	796	944830	1786316	0.518663	160	45.35							2.52	1.08	0.51	1.36946
16128118	hpt					0.587139									5.87	4.73	2.90	4.50312
16128119	yadF	b0126	220	944832	1786318	0.483312	51	13.48	1	27.7	11	4442.37			19.17	22.58	21.74	21.1646
16128120	yadG	b0127	308	944833	1786319	0.411062	108	30.43							2.31	1.58	1.19	1.69266
16128121	yadH	b0128	256	944836	1786320	0.426968	28	4.24							1.35	1.05	0.42	0.93906
16128122	yadI	b0129	146	947397	1786321	0.35599	40	13.02							0.41	0.39		0.40231
16128123	yadE	b0130	409	946536	1786322	0.338096	129	38.64							0.23			
16128124	panD	b0131	126	945686	1786323	0.506048	33	5.4							8.21	5.72	4.16	6.02894
16128125	yadD	b0132	300	944781	1786324	0.327621	76	21.01							0.77	0.65	0.27	0.56271
16128126	panC	b0133	283	944958	1786325	0.484961	97	29.63	1	12.7	4	734.92	3292.03	0.103	3.67	2.03	2.47	2.72203
16128127	panB	b0134	264	944839	1786326	0.535825	50	9.56	0.97	28.4	5	2761.82	1470.23	0.046	8.26	2.66	7.13	6.01559
16128128	yadC	b0135	412	944837	1786328	0.296021	63	13.71							0.08	0.20		0.13657
16128129	yadK	b0136	198	944835	1786329	0.306107	36	5.85									0.12	
16128130	yadL	b0137	201	944829	1786330	0.363587	45	7.38										
16128131	yadM					0.297853									0.14		0.22	0.18019
16128132	htrE	b0139	865	944819	1786332	0.357796	167	48.13								0.42		
16128133	ecpD	b0140	246	944859	1786333	0.348543	75	24.19										
16128134	yadN	b0141	194	944841	1786334	0.615834	41	10.88										
16128135	folK	b0142	159	948792	1786335	0.377437	40	9.33							1.88	0.93	0.54	1.1154
16128136	pcnB					0.542726									11.29	3.10	3.76	6.04894
16128137	yadB	b0144	308	944846	1786337	0.379956	80	26.28							0.78	0.58	0.51	0.62486
16128138	dksA	b0145	151	944850	1786338	0.538642	59	9.71	1	25.2	10	5606.51	7574.86	0.237	10.35	4.37	7.09	7.27052
16128139	sfsA	b0146	234	944855	1786340	0.350014	71	19.4							7.43	2.64	3.80	4.6219
16128140	yadP					0.335864									1.59	1.00	0.80	1.12992
16128141	hrpB					0.357381									2.19	1.67	0.68	1.51291
16128142	mrcB	b0149	844	944843	1786343	0.495064	249	71.1							1.45			
16128143	fhuA	b0150	747	944856	1786344	0.557081	200	61.83							2.83	1.20	1.38	1.80022
16128144	fhuC	b0151	265	945250	1786345	0.43878	69	25.37							2.64	1.73	1.33	1.9021
16128145	fhuD	b0152	296	947510	1786346	0.399215	64	17.48							0.94	0.48	0.47	0.63055
16128146	fhuB	b0153	660	946890	1786347	0.380412	94	21.12							1.51	1.04	0.52	1.02536
16128147	hemL	b0154	426	946892	1786349	0.538387	75	18.33	0.97	5.2	1	288.09			2.70	1.21	1.59	1.83497
16128148	yadQ	b0155	473	946715	1786350	0.374254	85	21.08							1.51	0.94	1.08	1.17701
16128149	yadR	b0156	114	944857	1786351	0.704188	19	6.33	0.93	26.3	2	1599.64	1086.69	0.034	4.69	3.73	2.22	3.54586
16128150	yadS	b0157	207	949062	1786352	0.394212	43	10.61										
16128151	yadT	b0158	266	947574	1786353	0.357109	68	23.81									0.51	
16128152	pfs	b0159	232	948542	1786354	0.544748	45	9.99	1	46.6	4	2179.75	4442.64	0.139	3.64	1.99	1.82	2.48483
16128153	dgt	b0160	505	947177	1786355	0.349619	173	45.24							0.87			
16128154	htrA	b0161	474	947139	1786356	0.612926	108	31.09	1	22.8	10	1751.02	5017.95	0.157	1.79	0.85	1.27	1.30028
16128155	yaeG					0.334726									0.70		0.42	0.55862
16128156	yaeH	b0163	128	947044	1786359	0.462877	60	16.33							4.82	1.84	1.41	2.68965
16128157	yaeI					0.363408									0.88			
16128158	b0165	b0165	43	946280	1786361	0.308891	8	2.6										
16128159	dapD	b0166	274	944862	1786362	0.609849	80	25.12	1	33.6	53	11485.99	11378.28	0.356	13.15	11.65	5.19	9.99684
16128160	glnD	b0167	890	944863	1786363	0.378461	262	81.92							3.31	1.48	1.22	2.00274
16128161	map	b0168	264	947882	1786364	0.564962	76	16.88	0.75	5.3	1	241.88	3132.22	0.098	7.06	4.56	4.25	5.28942
16128162	rpsB	b0169	241	947874	1786365	0.810752	85	21.61	1	47.7	52	13099.68	31929.49	0.999	22.51	29.56	27.65	26.5736
16128163	tsf	b0170	283	944866	1786366	0.808947	93	27.05	1	55.5	75	15094.06	48901.02	1.53	17.55	26.03	12.30	18.6291
16128164	pyrH	b0171	241	944989	1786367	0.594549	73	18.73	1	9.1	2	581.31	2524.95	0.079	12.52	8.90	10.15	10.5258
16128165	frr	b0172	185	946122	1786368	0.643132	89	19.27	1	25.9	15	4237.62	13615.58	0.426	7.78	5.17	4.58	5.84137
16128166	yaeM	b0173	398	945019	1786369	0.41776	102	24.74							1.46		0.65	1.05519
16128167	yaeS	b0174	253	944874	1786371	0.320701	75	12.04							3.56	2.44	1.51	2.50089
16128168	cdsA					0.353535									2.84	1.77	1.23	1.94388
16128169	yaeL	b0176	450	944871	1786373	0.344211	119	38.41							8.20	7.43	4.60	6.74306
16128170	yaeT	b0177	810	944870	1786374	0.560904	229	70.57					4666.37	0.146	9.03	4.86	5.46	6.44908
16128171	hlpA	b0178	161	944861	1786375	0.689142	66	13	1	17.4	8	3350.11			26.08	27.72	17.85	23.8836
16128172	lpxD	b0179	341	944882	1786376	0.482017	73	10.43							13.22	7.53	5.79	8.84768
16128173	fabZ	b0180	151	944888	1786377	0.528166	45	12.36	0.91	15.9	2	801.61			14.38	16.32	9.04	13.2443
16128174	lpxA	b0181	262	944849	1786378	0.505294	61	11.82	0.88	9.5	1	405.30			5.10	2.95	2.26	3.43802
16128175	lpxB	b0182	382	944838	1786379	0.417335	118	33.35							2.69	1.23	1.19	1.70177
16128176	rnhB	b0183	198	944852	1786380	0.472739	59	16.81							3.86	1.74	1.62	2.40815
16128177	dnaE	b0184	1160	944877	1786381	0.470881	355	100.43							9.20	5.35	3.77	6.10474
16128178	accA	b0185	319	944895	1786382	0.62076	108	31.01	1	37.9	11	1931.09	3004.38	0.094	5.95	5.11	2.46	4.50334
16128179	ldcC	b0186	713	944887	1786384	0.402564	170	43.7							2.53	0.45	1.34	1.43764
16128180	yaeR					0.420175									2.43	0.70	0.90	1.34103
16128181	mesJ	b0188	432	944889	1786386	0.345935	113	30.82							2.39	1.55	0.83	1.58811
16128182	yaeO					0.412772									3.56	1.34	1.26	2.05141
16128183	yaeQ	b0190	181	946809	1786388	0.420004	54	16.65							2.93	1.77	1.46	2.05294
16128184	yaeJ	b0191	140	946046	1786389	0.32862	70	12.7							3.61	2.21	1.19	2.33707
16128185	cutF	b0192	236	946782	1786390	0.421226	60	14.63							1.78	1.08	0.97	1.27606
16128186	yaeF					0.340443												
16128187	proS	b0194	572	949116	1786392	0.64209	170	53.44	1	40.9	33	3361.71	5880.91	0.184	6.77	4.08	1.70	4.1841
16128188	yaeB	b0195	235	949112	1786393	0.426492	59	16.85							1.94	1.43	0.64	1.33286
16128189	rcsF	b0196	134	949113	1786394	0.412267	34	7.24							7.35	2.84	3.42	4.53588
16128190	yaeC	b0197	271	944893	1786396	0.621591	79	27.33	0.86	18.5	1	171.31	1438.27	0.045	12.84	17.06	20.25	16.7155
16128191	yaeE	b0198	217	944894	1786397	0.504147	29	7.31							9.53	5.62	4.14	6.42775
16128192	abc	b0199	343	944896	1786398	0.465168	87	24.64							6.19	4.17	2.45	4.27227

16128193	yaeD	b0200	191	944879	1786399	0.464421	45	11.19					799.04	0.025	5.36	3.71	2.46	3.84527
16128194	yafB	b0207	267	944901	1786400	0.522201	75	22.77							1.24	0.60	0.70	0.85046
16128195	yafC	b0208	304	947507	1786401	0.293092	97	31.43							0.78	0.45	0.38	0.53541
16128196	yafD	b0209	266	946286	1786403	0.332461	73	19.1							1.37			
16128197	yafE	b0210	207	946197	1786404	0.350715	46	14.49							0.51	0.43	0.16	0.36751
16128198	dniR	b0211	452	945694	1786405	0.419658	162	41.5							3.16	4.53	2.53	3.41047
16128199	gloB	b0212	251	944902	1786406	0.266386	57	12.6							1.13	0.48	0.61	0.74059
16128200	yafS					0.301917									0.86	0.51	0.27	0.54713
16128201	rnhA	b0214	155	946955	1786408	0.476703	54	12.56							2.54	1.75	1.35	1.88202
16128202	dnaQ	b0215	243	946441	1786409	0.382944	66	14.96							2.22	1.57	0.94	1.57823
16128203	yafT	b0217	261	949009	1786410	0.396731	85	24.94										
16128204	yafU	b0218	112	946644	1786411	0.263712	25	4.89										
16128205	yafV	b0219	256	946585	1786412	0.382379	71	22.82							1.72		0.69	1.20216
16128206	ykfE	b0220	157	946530	1786413	0.369017	33	9.87	1	22.3	13	7170.32				5.81	4.19	4.99933
16128207	yafH					0.484988									1.45	0.78	1.31	1.18245
16128208	gmhA	b0222	192	949134	1786416	0.577153	55	15.72	1	25	12	4155.67	2492.99	0.078	5.65	2.87	3.74	4.09003
16128209	yafJ	b0223	255	944906	1786417	0.41194	72	20.8							2.84	1.05	1.02	1.63868
16128210	yafK	b0224	246	944910	1786418	0.456327	67	16.37							7.22	3.29	2.65	4.38612
16128211	yafQ	b0225	92	944911	1786419	0.314207	42	12.4							2.35	0.69	0.28	1.10713
16128212	dinJ	b0226	86	944914	1786420	0.372279	33	11.87							3.85	2.58	2.67	3.0337
16128213	yafL	b0227	249	944899	1786421	0.312062	82	21.85							0.52	0.35	0.19	0.35361
16128214	yafM	b0228	165	944913	1786422	0.293869	65	16.03							0.73	0.56	0.24	0.51114
16128215	fhiA					0.429194												
16128216	mbhA	b0230	261	944921	1786424	0.41444	88	23.98										
16128217	dinP	b0231	351	944922	1786425	0.399441	138	31.93										
16128218	yafN	b0232	97	944920	1786426	0.311811	32	6.18							0.78	0.46	0.20	0.48
16128219	yafO	b0233	132	944916	1786427	0.337351	46	11.57							0.56	0.30	0.18	0.34513
16128220	yafP	b0234	150	944912	1786428	0.357647	42	9.67							0.79			
16128221	b0235	b0235	88	944924	1786430	0.372492	21	5.99										
16128222	prfH	b0236	166	947374	1786431	0.363248	59	17.9										
16128223	pepD	b0237	485	945013	1786432	0.616635	110	34.89	0.99	15.3	2	308.94	4154.99	0.13	4.55	2.33	1.87	2.91734
16128224	gpt	b0238	152	944817	1786433	0.621674	39	10.2							6.84	4.43	3.68	4.98431
16128225	yafA	b0239	414	946039	1786434	0.440398	122	45.36							1.98		0.70	1.34012
16128226	crl	b0240	133	945077	1786435	0.501116	56	18.01							13.59	0.58	8.98	7.71628
16128227	phoE	b0241	351	944926	1786436	0.466276	98	29.35	0.46	12.5	1				0.38	0.47	0.16	0.33487
16128228	proB	b0242	367	946425	1786437	0.457009	99	30.48	1	23.7	4	714.43			5.05	1.77	3.05	3.29017
16128229	proA	b0243	417	946680	1786438	0.48918	119	32.99					3100.26	0.097	2.22	1.07	0.99	1.42399
16128230	b0245	b0245	113	946726	1786439	0.308586	36	8.7										
16128231	yafW	b0246	105	944929	1786440	0.428149	25	5.75										
16128232	ykfG	b0247	158	944930	2367100	0.319905	51	16.3										
16128233	yafX	b0248	152	944931	1786442	0.479419	17	5.24										
16128234	ykfF	b0249	79	948839	1786443	0.382846	26	6.85								1.16	0.34	0.75305
16128235	ykfB	b0250	155	946846	1786444	0.427289	20	5.25								1.87	0.67	1.27228
16128236	yafY					0.373059									0.50	0.34	0.28	0.37273
16128237	yafZ					0.347457												
16128238	ykfA					0.333975												
16128239	perR	b0254	297	945417	1786448	0.293288	83	24.36							0.76	0.53	0.22	0.50357
16128240	yi91a	b0255	134	944904	1786449	0.319909	57	11.5								1.46	1.06	1.25594
16128241	tra8_1	b0256	383	949005	1786450	0.23727	182	39.4										
16128242	b0257	b0257	141	944935	1786451	0.329963	45	9.87									0.53	
16128243	ykfC					0.279304												
16128244	trs5_1	b0259	338	944941	1786453	0.396422	118	27.04										
16128245	ykfD					0.403968										1.21	0.62	0.91778
16128246	yagD	b0261	310	946143	1786456	0.425499	59	15.52										
16128247	afuC					0.471609												
16128248	b0263	b0263	120	947073	1786458	0.473809	28	6.35							0.46	0.37		0.41348
16128249	insB_2	b0264	167	947698	1786459	0.322262	69	18.19										
16128250	insA_2	b0265	91	944946	1786460	0.415279	31	6.96								1.47		
16128251	yagB					0.313693									1.38	0.65	0.78	0.93734
16128252	yagA	b0267	384	944937	1786462	0.420272	140	40.71								0.77		
16128253	yagE	b0268	309	944925	1786463	0.476866	62	14.69										
16128254	yagF	b0269	655	944928	1786464	0.48546	155	37.02							0.96	0.93	0.44	0.77711
16128255	yagG	b0270	460	944947	1786466	0.494956	89	17.77										
16128256	yagH	b0271	536	944949	1786467	0.513684	116	30.48										
16128257	yagI	b0272	252	945016	1786468	0.432001	79	26.25										
16128258	argF	b0273	334	944844	1786469	0.497754	96	23.02	0.99	6	2	468.24			8.90	3.99	3.98	5.624
16128259	insB_3	b0274	167	944950	1786470	0.322262	69	18.19										
16128260	insA_3	b0275	91	944951	1786471	0.415279	31	6.96										
16128261	yagJ	b0276	243	949094	1786472	0.396101	74	19.07							0.43	0.13		0.27747
16128262	yagK	b0277	208	945847	1786473	0.369801	80	17.52							0.32	0.22		0.26934
16128263	yagL	b0278	232	945845	1786474	0.257232	91	19.57	0.51	4.3	11				0.11			
16128264	yagM	b0279	284	944959	2367101	0.275056	90	22.3										
16128265	yagN	b0280	146	945349	2367102	0.316805	44	10.67							5.53	3.90	2.84	4.08984
16128266	intF	b0281	466	947351	2367104	0.316474	181	46.6							2.09	1.05	1.57	1.57147
16128267	yagP	b0282	136	947411	1786476	0.310577	40	10.62							0.26	0.31	0.19	0.25224
16128268	yagQ	b0283	318	945010	1786477	0.324339	80	22.42										
16128269	yagR	b0284	732	944961	1786478	0.406324	181	54.53	0.36	1.9	1							
16128270	yagS	b0285	318	945710	1786479	0.377947	89	29.57										
16128271	yagT	b0286	229	945330	1786480	0.356733	51	14.26										
16128272	yagU	b0287	204	945677	1786481	0.312925	35	8.7							7.00	11.80	0.95	6.5849
16128273	ykgJ	b0288	109	945905	2367105	0.290416	33	8.09								0.62	0.36	0.48767
16128274	yagV					0.327135									0.47			
16128275	yagW	b0290	547	947349	1786483	0.400233	97	26.07							1.15	1.01	0.48	0.87741
16128276	yagX	b0291	841	947606	1786484	0.36776	199	56.33										
16128277	yagY	b0292	222	948806	1786485	0.349974	75	18.44										
16128278	yagZ	b0293	195	948759	1786486	0.525174	29	7.1							0.66		0.95	0.80486
16128279	ykgK	b0294	196	944966	2367106	0.286983	93	22.56										
16128280	ykgL	b0295	75	944962	2367107	0.244113	31	9.89										
16128281	ykgM	b0296	87	944960	2367109	0.371253	33	9.76										
16128282	eaeH	b0297	295	944957	1786488	0.387914	84	22.43										
16128283	b0298	b0298	102	944952	1786489	0.438849	48	12.48										
16128284	tra5_5	b0299	288	944948	1786490	0.352809	118	25.43										
16128285	ykgA					0.291081										0.18	0.11	0.14848
16128286	ykgB					0.342093										0.49		
16128287	b0302					0.297235												
16128288	ykgI					0.303824											0.17	
16128289	ykgC					0.32154												
16128290	ykgD	b0305	284	945616	1786496	0.285625	63	16.42								0.37		
16128291	ykgE	b0306	239	948438	1786497	0.367494	74	16.87									0.74	
16128292	ykgF	b0307	475	944980	1786498	0.379124	165	39.41								0.26	0.36	0.30858
16128293	ykgG					0.341196							799.04	0.025		1.53	0.62	1.07518
16128294	b0309	b0309	70	945169	1786500	0.268573	9	1.81										
16128295	ykgH	b0310	222	947513	1786502	0.313309	63	15.28										
16128296	betA	b0311	556	945716	1786503	0.497893	133	34.64							1.36	0.75	0.64	0.91618
16128297	betB	b0312	490	947376	1786504	0.543778	128	30.26							2.86		1.32	2.09424
16128298	betI					0.402997									4.67	1.88	2.82	3.12413
16128299	betT	b0314	677	945079	1786506	0.424204	117	24.17							2.15		1.18	1.66329
16128300	yahA	b0315	362	947459	1786507	0.388364	78	22.48							0.87	2.54	2.59	1.99888

16128301	yahB	b0316	310	945278	1786508	0.396971	77	24.39										
16128302	yahC	b0317	165	947337	1786509	0.326441	13	1.15										
16128303	yahD	b0318	201	947681	1786511	0.340296	43	12.84										
16128304	yahE	b0319	287	947134	1786512	0.316997	63	16.99							0.70			
16128305	yahF	b0320	515	947298	1786513	0.458462	135	33.05							0.58	0.58	0.33	0.49716
16128306	yahG	b0321	472	945379	1786514	0.513345	76	19.57										
16128307	yahH					0.259527									1.08	0.79	1.66	1.17869
16128308	yahI	b0323	316	944984	1786516	0.445116	83	25.86										
16128309	yahJ	b0324	460	944976	1786517	0.498056	122	33.32										
16128310	yahK	b0325	349	944975	1786518	0.438536	90	25.23					1022.77	0.032	4.61	0.87	2.58	2.68236
16128311	yahL	b0326	271	944970	1786519	0.3033	90	24.93										
16128312	yahM					0.193297												
16128313	yahN	b0328	223	944968	1786522	0.299925	40	11.08										
16128314	yahO	b0329	91	944985	1786523	0.422267	31	8.78							9.40	2.64	9.80	7.28037
16128315	prpR	b0330	528	944987	1786524	0.382985	167	45.46										
16128316	prpB	b0331	296	944990	1786525	0.492145	78	21.3								0.85	0.29	0.56753
16128317	b0332					0.270494									0.50			
16128318	prpC	b0333	389	947528	1786527	0.508591	104	29.89									0.35	
16128319	prpD	b0334	483	945931	1786528	0.515716	135	33.92										
16128320	prpE	b0335	628	946891	1786529	0.424949	158	40.67									0.23	
16128321	codB	b0336	419	944994	1786530	0.394188	33	8.17							13.21	6.16	10.18	9.84637
16128322	codA	b0337	427	944996	1786531	0.419813	88	24.2	1	16.6	6	1349.73			13.11	6.66	8.48	9.41788
16128323	cynR	b0338	299	945001	1786533	0.28283	78	22.98							1.02	0.72	0.34	0.69285
16128324	cynT	b0339	219	946548	1786534	0.400965	58	16.14							0.33		0.24	0.28503
16128325	cynS	b0340	156	948998	1786535	0.45219	48	16.25										
16128326	cynX	b0341	384	946770	1786536	0.380954	49	10.29										
16128327	lacA	b0342	203	945674	1786537	0.342922	49	9.75							0.14			
16128328	lacY	b0343	417	949083	1786538	0.440463	61	12.12										
16128329	lacZ	b0344	1024	945006	1786539	0.456468	221	63.88									0.42	
16128330	lacI					0.39022									1.21		0.40	0.80578
16128331	mhpR	b0346	315	945938	1786541	0.346041	109	29.2							2.33		1.59	1.96277
16128332	mhpA	b0347	554	945197	1786543	0.486445	154	47.04							0.90	1.00		0.94856
16128333	mhpB	b0348	314	945047	1786544	0.37417	64	19.34										
16128334	mhpC					0.490777									0.58	0.40		0.49005
16128335	mhpD					0.410241									0.66			
16128336	mhpF	b0351	316	945008	1786547	0.461475	69	14.34										
16128337	mhpE	b0352	337	945012	1786548	0.472442	80	18.87										
16128338	mhpT					0.32291												
16128339	yaiL					0.322634									2.81	2.08	1.65	2.18078
16128340	yaiM	b0355	277	944991	1786551	0.398999	61	15.27							0.62	0.41	0.32	0.44897
16128341	adhC	b0356	369	944988	1786552	0.572794	82	16.4							4.71	2.71	2.64	3.35336
16128342	yaiN					0.337816									3.39	1.77	2.09	2.41605
16128343	yaiO	b0358	257	945014	1786555	0.401626	69	22.93							0.48			
16128344	b0359					0.308321												
16128345	yi21_1	b0360	136	945025	1786557	0.252383	46	12.56								1.17		
16128346	yi22_1	b0361	301	945203	1786558	0.290326	121	31.49								2.28		
16128347	b0362	b0362	128	947431	1786559	0.361109	32	7.45										
16128348	yaiP	b0363	398	945308	1786560	0.376675	105	19.43										
16128349	yaiS					0.379524										0.22		
16128350	tauA					0.480707											0.32	
16128351	tauB	b0366	255	945027	1786563	0.425763	73	22.06	0.64	18.8	1	157.94			0.90	0.93		0.91462
16128352	tauC	b0367	275	945026	1786564	0.35663	47	11.39							0.89	1.27	0.40	0.85419
16128353	tauD	b0368	283	945021	1786565	0.379093	70	19.97										
16128354	hemB					0.49622									3.41	1.73	1.20	2.11175
16128355	b0370					0.270752												
16128356	yaiT	b0371	486	945020	1786569	0.482403	41	8.27							0.37	0.40		0.38222
16128357	tra5_1	b0372	288	945036	1786570	0.352809	118	25.43										
16128358	b0373	b0373	102	946900	1786571	0.438849	48	12.48										
16128359	yaiU	b0374	467	946901	1786572	0.776168	64	16.32										
16128360	yaiV	b0375	222	946902	1786573	0.309568	73	20.21										
16128361	yaiH	b0376	385	946904	1786574	0.409598	93	24.82							1.36	0.52	0.49	0.79283
16128362	sbmA	b0377	406	946884	1786575	0.445247	65	20.56							1.05			
16128363	yaiW	b0378	364	945038	1786576	0.387103	140	34.03										
16128364	b0379	b0379	102	945223	1786577	0.33795	18	1.96										
16128365	b0380					0.329437									0.96		0.47	0.71036
16128366	ddlA	b0381	364	945313	1786579	0.446755	79	25.43					703.15	0.022	2.17		0.58	1.37308
16128367	yaiB	b0382	86	947709	1786581	0.340748	30	5.95							5.56	4.26	4.18	4.66548
16128368	phoA					0.407334												
16128369	psiF					0.36907									3.93	0.79	1.88	2.19861
16128370	yaiC	b0385	371	945037	1786584	0.344265	100	25.51										
16128371	proC	b0386	269	945034	1786585	0.484467	58	11.62	0.86	9.7	1	402.91	1534.15	0.048	3.23	1.11	1.40	1.91586
16128372	yaiI					0.37738									1.75	1.04	0.67	1.15214
16128373	aroL	b0388	174	945031	1786587	0.335987	33	9.25							7.19	4.76	2.46	4.80565
16128374	yaiA	b0389	63	945043	1786588	0.367388	17	4.85							4.46	3.11	1.67	3.07829
16128375	aroM	b0390	225	945045	1786589	0.358823	45	11.73							1.29	0.42	0.81	0.83817
16128376	yaiE	b0391	94	945048	1786590	0.470513	6	2.77							7.66	4.21	3.83	5.23117
16128377	b0392	b0392	93	945423	1786591	0.235171	38	9.56							0.67			
16128378	yaiD	b0393	303	948585	1786592	0.525218	104	26.28							4.70	2.86	2.29	3.2831
16128379	yajF					0.350221									2.11	1.11	1.44	1.55073
16128380	b0395					0.298028									1.53	0.59	0.75	0.9545
16128381	araJ					0.310053												
16128382	sbcC	b0397	1048	949076	1786597	0.396978	271	68.23							1.29	0.54		0.91289
16128383	sbcD	b0398	400	945049	1786598	0.407537	85	24.71							1.64	1.37	1.03	1.34452
16128384	phoB	b0399	229	945046	1786599	0.3851	75	18.96							1.16		0.50	0.83036
16128385	phoR	b0400	431	945044	1786600	0.37663	142	41.92	0.94	9.5	2	244.15						
16128386	brnQ	b0401	439	945042	1786601	0.533523	44	10.2							1.25	0.69	0.51	0.81425
16128387	proY	b0402	457	945050	1786602	0.500533	68	13.64							0.96	0.71	0.47	0.71372
16128388	malZ	b0403	605	949131	1786604	0.400754	162	51.04							1.25	0.81	0.40	0.82102
16128389	yajB	b0404	193	949132	1786605	0.388598	55	17.16							1.17	0.47	0.52	0.71869
16128390	queA	b0405	356	944905	1786606	0.475133	85	19.56							2.73	2.11	0.99	1.94407
16128391	tgt	b0406	375	949130	1786607	0.525439	122	31.22	1	7.5	3	523.12			7.02	7.76	6.27	7.01734
16128392	yajC	b0407	110	945374	1786608	0.641322	31	6.98							10.82	11.54	9.85	10.7379
16128393	secD	b0408	615	949133	1786609	0.555392	174	55.9							4.62	3.04	2.46	3.37293
16128394	secF	b0409	323	949120	1786610	0.523125	63	13.77							2.94	3.41	1.25	2.5362
16128395	yajD	b0410	115	945051	1786611	0.519478	38	7.68					415.50	0.013	3.15	2.21	1.78	2.38039
16128396	tsx	b0411	294	946242	1786612	0.706301	56	13.08							6.98	4.82	2.83	4.87933
16128397	yajI					0.270952												
16128398	ybaD	b0413	149	947437	1786615	0.486432	68	19.37							6.93	3.04	2.44	4.13537
16128399	ribD	b0414	367	945620	1786616	0.37026	108	31.54							4.42	1.54	1.98	2.64522
16128400	ribH	b0415	156	946453	1786617	0.652119	37	10.18	1	36.5	11	5882.43	16076.61	0.503	10.83	5.54	4.72	7.02882
16128401	nusB	b0416	139	945054	1786618	0.563055	42	11.35					2333.19	0.073	11.38	3.30	4.88	6.52028
16128402	thiL	b0417	325	947387	1786619	0.409112	59	17.03							2.42	0.93	1.29	1.54644
16128403	pgpA	b0418	172	947542	1786620	0.418339	21	2.34							1.69	1.05	0.65	1.12956
16128404	yajO					0.379967							5113.83	0.16	5.47	1.12	2.18	2.92512
16128405	dxs	b0420	620	945060	1786622	0.490816	165	42.4							2.28	1.01	1.26	1.51697
16128406	ispA	b0421	299	945064	1786623	0.406801	74	19.05					287.65	0.009	5.39	2.46	3.48	3.77539
16128407	xseB	b0422	80	945069	1786624	0.477434	23	7.84							10.44	5.20	6.22	7.28366
16128408	yajK	b0423	482	945067	1786625	0.554109	169	45.62	0.96	13.5	4	458.23			3.39	1.70	1.25	2.11363

16128409	thiJ				0.503012									1.32	1.04	0.64	0.99888
16128410	apbA	b0425	303	945065	1786627	0.39212	62	14.96						3.67	1.24	1.46	2.12344
16128411	yajQ					0.555644								10.31	5.44	4.77	6.8366
16128412	yajR					0.411995											
16128413	cyoE	b0428	296	945073	1786631	0.452077	56	7.28						5.53	4.30	2.48	4.10177
16128414	cyoD	b0429	109	944918	1786632	0.542525	3	1						18.62	11.51	15.07	15.0658
16128415	cyoC	b0430	204	946897	1786633	0.598671	19	3.38						17.92	11.98	16.81	15.5702
16128416	cyoB	b0431	663	945615	1786634	0.591499	81	18.85						21.22	15.95	23.80	20.3216
16128417	cyoA	b0432	315	945080	1786635	0.506249	64	14.83						23.87	17.37	28.41	23.2161
16128418	ampG	b0433	491	946438	1786636	0.353089	77	22.21						1.26	0.93	0.33	0.83817
16128419	yajG					0.547761								9.06	7.30	4.40	6.91746
16128420	bolA					0.32188								4.78	3.49	2.60	3.62617
16128421	tig	b0436	432	945081	1786640	0.782318	159	47.16	1	55.6	87	10042.87	30906.72	0.967	12.85	14.29	9.41	12.1849
16128422	clpP	b0437	207	945082	1786641	0.490239	47	12.23	1	29	13	5786.68	3643.61	0.114	8.24	2.99	5.36	5.52909
16128423	clpX	b0438	424	945083	1786642	0.590306	137	38.55	1	24.3	26	3671.65	1022.77	0.032	5.68	3.22	2.51	3.80319
16128424	lon	b0439	784	945085	1786643	0.563553	295	76.24	1	10.5	7	499.84	2461.03	0.077	7.50	4.83	4.64	5.65352
16128425	hupB	b0440	90	949095	1786644	0.628643	41	9.24	1	33.3	10	5891.69			11.90	15.32	9.38	12.2009
16128426	ybaU	b0441	623	946056	1786645	0.59586	183	53.97							3.75	2.38	1.46	2.52904
16128427	ybaV	b0442	123	945884	1786646	0.42695	37	10.96							0.87	0.79	0.35	0.67106
16128428	ybaW	b0443	132	945812	1786647	0.373153	27	6.68							0.77	0.60	0.56	0.64582
16128429	ybaX	b0444	231	947034	1786648	0.43464	62	15.68							2.41	2.06	0.80	1.75737
16128430	ybaE	b0445	566	949093	1786650	0.341169	134	36.57									0.34	
16128431	cof					0.354495									1.25			
16128432	ybaO					0.437743									0.96		0.43	0.69396
16128433	mdlA	b0448	590	945092	1786653	0.417925	143	43.57							0.62	0.47	0.29	0.45938
16128434	mdlB	b0449	593	945088	1786654	0.396972	119	35.56							0.51	0.49	0.37	0.45497
16128435	glnK	b0450	112	945087	1786655	0.473219	41	13.36							1.45	1.88		1.66618
16128436	amtB	b0451	428	945084	1786656	0.432871	38	6.51										
16128437	tesB	b0452	286	945074	1786657	0.440829	53	17.45							1.06	0.51	0.45	0.67512
16128438	ybaY					0.452578									3.10	0.77	1.12	1.66195
16128439	ybaZ	b0454	129	945094	1786659	0.342493	45	15.6							1.02	0.86	0.44	0.77256
16128440	ybaA	b0456	117	948863	1786661	0.43481	47	15.97							0.63	0.42	0.34	0.46288
16128441	ylaB					0.345809										0.41	0.24	0.32605
16128442	ylaC					0.425968										2.71	1.44	2.0727
16128443	ylaD	b0459	183	945096	1786664	0.370856	42	10.64	0.57	11.5	1					0.65	1.49	1.06986
16128444	hha	b0460	72	945098	1786665	0.426737	30	7.77							9.54	3.92	3.02	5.49055
16128445	ybaJ	b0461	124	945106	1786666	0.34857	32	4.87							3.86	1.09	1.20	2.04928
16128446	acrB	b0462	1049	945108	1786667	0.542816	203	61.34	0.8	5.4	3	213.00			5.74	3.24	2.02	3.66605
16128447	acrA	b0463	397	945112	1786668	0.4975	105	31.27							9.64	4.90	7.14	7.22624
16128448	acrR	b0464	215	945516	1786669	0.340751	70	19.74							0.90	0.88	0.32	0.70031
16128449	aefA	b0465	1120	945132	1786670	0.462718	311	84.55							2.14	2.00	0.62	1.5836
16128450	ybaM	b0466	53	945144	1786672	0.427329	19	3.69										
16128451	priC	b0467	175	945071	1786673	0.388234	77	17.59							3.26	1.77	1.07	2.03448
16128452	ybaN	b0468	125	945558	1786674	0.378854	35	7.48							2.38	1.09	1.20	1.55273
16128453	apt	b0469	183	945113	1786675	0.630926	49	16.04	1	19.1	9	3054.57	3579.68	0.112	7.01	5.36	4.18	5.51831
16128454	dnaX	b0470	643	945105	1786676	0.435888	199	65.29							4.36	1.80	1.56	2.57349
16128455	ybaB	b0471	109	945104	1786677	0.721379	36	11.84							7.35	3.84	4.61	5.26481
16128456	recR	b0472	201	945100	1786678	0.468979	49	9.71							4.95	4.63	2.89	4.1571
16128457	htpG	b0473	624	945099	1786679	0.677381	224	73.44	1	37.5	39	2890.97	5017.95	0.157	1.55		1.21	1.38107
16128458	adk	b0474	214	945097	1786680	0.71755	83	25.57	1	49.5	18	3832.25	11729.85	0.367	14.33	10.84	9.74	11.6371
16128459	hemH	b0475	320	947532	1786681	0.429379	90	28.1							1.55	0.77		1.16091
16128460	ybaC	b0476	319	947514	1786682	0.372672	71	19.31							0.22			
16128461	gsk	b0477	434	946584	1786684	0.476257	104	27.24							1.34	1.12	0.46	0.97469
16128462	ybaL	b0478	558	946576	1786685	0.408751	96	25.95							2.38	0.95	0.94	1.42396
16128463	fsr	b0479	406	945119	1786686	0.368752	54	12.31	0.22	5.4	1				0.51	0.58		0.54212
16128464	ushA	b0480	550	947331	1786687	0.482154	153	41.39					479.42	0.015	5.45	2.30	2.41	3.38865
16128465	ybaK	b0481	159	947083	1786688	0.434851	55	17.7	0.78	17	2	479.80			2.43	0.89	0.55	1.29056
16128466	ybaP	b0482	264	945124	1786689	0.343994	48	12.16							1.41	0.77	0.29	0.82176
16128467	ybaQ					0.33706									2.60	1.42	0.82	1.61361
16128468	ybaR	b0484	834	946106	1786691	0.466706	169	47.33							1.46	0.61	0.76	0.94407
16128469	ybaS	b0485	310	946187	1786693	0.406639	45	9.66							5.45		1.60	3.52788
16128470	ybaT	b0486	430	945363	1786694	0.364184	44	7.63							2.86		0.61	1.73518
16128471	ybbI	b0487	135	945332	1786695	0.446487	44	11.01							3.38		1.69	2.53596
16128472	ybbJ	b0488	151	945126	1786696	0.323947	27	6.65							1.75	0.57	0.84	1.05044
16128473	ybbK	b0489	305	947257	1786697	0.501319	97	27.82							1.97	0.93	1.17	1.35391
16128474	ybbL	b0490	225	946990	1786698	0.344095	58	20.94							1.36	0.71	0.55	0.87343
16128475	ybbM					0.312277									0.85	0.42		0.63716
16128476	ybbN					0.486932							4474.60	0.14	5.32	2.15	3.36	3.60846
16128477	ybbO	b0493	269	945337	1786701	0.394686	75	21.38							2.96	1.09	1.10	1.71536
16128478	tesA	b0494	208	945127	1786702	0.389476	53	21.14							3.73	2.05	1.50	2.42744
16128479	ybbA	b0495	228	945122	1786703	0.358031	60	20.09							1.60		0.66	1.13338
16128480	ybbP	b0496	804	945118	1786704	0.378812	197	45.98							1.80			
16128481	rhsD	b0497	1426	945116	1786706	0.343225	435	131.2							0.38	0.30		0.34075
16128482	ybbC	b0498	122	945115	1786707	0.262132	33	7.6							0.49		0.15	0.31933
16128483	b0499	b0499	236	945114	1786708	0.280546	69	20.79									0.26	
16128484	ybbD	b0500	86	945133	1786709	0.256178	8	1.28							0.11	0.11		0.10766
16128485	b0501	b0501	63	947061	1786710	0.247848	21	2.59										
16128486	b0502					0.383787												
16128487	ybbB	b0503	364	947063	1786712	0.441275	104	24.17							1.36	0.85	0.54	0.9158
16128488	ybbS	b0504	308	945139	1786713	0.325442	77	23.08							0.48	0.18		0.33294
16128489	ybbT	b0505	160	945141	1786714	0.43461	29	9.78							0.86		0.39	0.62684
16128490	ybbU	b0506	271	945333	1786715	0.324074	68	17.21							4.64	2.15	1.34	2.70957
16128491	gcl	b0507	593	945394	1786717	0.544057	129	27.62							0.30		0.22	0.26212
16128492	gip	b0508	258	946186	1786718	0.431409	71	16.71							0.24			
16128493	ybbQ	b0509	292	945146	1786719	0.498259	65	15.69	0.27	7.5	1							
16128494	ybbV	b0510	92	945145	1786720	0.205076	46	11.43										
16128495	ybbW					0.409273												
16128496	ybbX	b0512	453	945134	1786722	0.668219	134	36.89							0.41	0.19		0.30045
16128497	ybbY					0.336938									0.22			
16128498	ybbZ	b0514	381	945129	1786724	0.402393	61	16.84							0.91			
16128499	ylbA	b0515	261	945149	1786725	0.488354	41	11.31								0.32	0.33	0.32277
16128500	ylbB	b0516	411	945150	1786726	0.414142	100	29.37								0.75	0.68	0.71403
16128501	ylbC	b0517	349	948342	1786727	0.371751	77	22.32										
16128502	fdrA	b0518	555	946298	1786729	0.369319	90	20.08							0.60			
16128503	ylbE	b0519	333	945395	1786730	0.486453	69	20.58										
16128504	ylbF	b0520	271	945195	1786731	0.319896	62	15.08										
16128505	arcC	b0521	297	944972	1786732	0.361729	64	20.55										
16128506	purK	b0522	355	945153	1786733	0.488702	72	21.46	0.79	3.9	3	601.22			6.35	3.27	1.88	3.83267
16128507	purE	b0523	169	949031	1786734	0.548206	38	10.75	0.97	11.2	6	2947.32	3867.34	0.121	9.72	4.01	4.42	6.05133
16128508	ybbF	b0524	240	949053	1786735	0.40903	66	17.93	0.24	10	1				3.23	1.93	1.41	2.18903
16128509	ppiB	b0525	164	949038	1786736	0.740263	46	12.57	1	25.6	11	4763.98	9236.86	0.289	16.11	15.54	10.24	13.9634
16128510	cysS	b0526	461	946969	1786737	0.575543	131	35	0.24	3.9	1				2.84	1.32	0.93	1.69684
16128511	ybcI	b0527	173	945155	1786738	0.321199	38	9.99										
16128512	ybcJ					0.522023												
16128513	folD	b0529	288	945221	1786741	0.488429	74	16.92							6.58	2.85	3.29	4.23903
16128514	sfmA					0.334004												
16128515	sfmC	b0531	230	945367	1786743	0.293789	65	25.3	0.47	22.6	2							
16128516	sfmD	b0532	867	945160	1786744	0.32838	167	48.03										

16128517	sfmH	b0533	325	945407	1786745	0.348896	36	8.95										
16128518	sfmF	b0534	171	944977	1786746	0.283289	26	4.36										
16128519	fimZ	b0535	210	947079	1786747	0.282339	64	17.46										
16128520	intD	b0537	387	947162	1786748	0.288411	193	42.59							0.91			
16128521	b0538	b0538	186	945299	1786749	0.28999	64	14.12										
16128522	b0539	b0539	87	947902	1786750	0.413555	28	10.84								0.51		
16128523	b0540	b0540	102	945759	1786752	0.438849	48	12.48										
16128524	tra5_2	b0541	288	947988	1786753	0.352809	118	25.43										
16128525	b0542					0.227208											0.39	
16128526	emrE	b0543	110	948442	1786755	0.257269	8	1.83							0.62	0.47	0.20	0.4301
16128527	ybcK	b0544	508	945166	1786756	0.224181	191	48.4								0.11		
16128528	ybcL	b0545	183	945165	1786757	0.31758	31	7.1							0.30	0.22		0.26081
16128529	ybcM	b0546	265	945163	1786758	0.224114	90	14.69							0.80	0.30	0.19	0.43215
16128530	ybcN	b0547	151	945162	1786759	0.470471	47	12.3										
16128531	ninE	b0548	56	945151	1786760	0.258273	26	4.67										
16128532	ybcO	b0549	96	945147	1786761	0.43337	32	4.96							0.95	1.05	0.33	0.77432
16128533	rus	b0550	120	945174	1786762	0.454888	50	14.4										
16128534	ybcQ	b0551	127	945177	1786763	0.37983	34	8.96	0.33	29.1	1							
16128535	trs5_2	b0552	338	946163	1786764	0.396422	118	27.04										
16128536	nmpC	b0553	375	946786	1786765	0.602368	103	28.43							19.25	13.81	26.09	19.7148
16128537	ybcR	b0554	71	947545	1786767	0.365863	21	1.97							0.24		0.12	0.18016
16128538	ybcS	b0555	165	947539	1786768	0.378692	62	13.97							0.64	0.54	0.29	0.48941
16128539	ybcT	b0556	153	945929	1786769	0.394442	66	16.17							0.32			
16128540	ybcU	b0557	97	948980	1786770	0.412024	24	4.91							4.86	3.45	2.60	3.63653
16128541	ybcV					0.263459										0.08		
16128542	ybcW	b0559	68	945175	1786772	0.412416	20	7.23							0.31	0.35		0.3294
16128543	nohB	b0560	181	945172	1786773	0.378746	63	18.58										
16128544	ybcX					0.355219												
16128545	ybcY					0.336126												
16128546	ylcE	b0563	61	945183	2367110	0.431862	6	1.31										
16128547	appY	b0564	249	948797	1786776	0.224541	89	22.79							0.16	0.10	0.12	0.12958
16128548	ompT	b0565	317	945185	1786777	0.335132	88	25.55	0.98	18.3	1	208.81			31.53	45.09	58.74	45.1196
16128549	envY	b0566	253	949114	1786778	0.327306	68	16.76										
16128550	ybcH	b0567	296	945186	1786779	0.402733	75	24.15										
16128551	nfrA	b0568	990	944741	1786780	0.394164	278	90.62										
16128552	nfrB	b0569	745	945849	1786781	0.422954	189	49.97							0.44		0.26	0.35364
16128553	ybcZ	b0570	480	945978	1786783	0.359331	124	40.23							1.89		0.48	1.18814
16128554	ylcA	b0571	227	945003	1786784	0.386269	69	18.49								0.51	1.23	0.87285
16128555	ylcB	b0572	457	946288	1786785	0.355443	102	34.35								0.69	0.96	0.82248
16128556	ylcC	b0573	110	945188	1786786	0.555606	27	6.41								1.06	2.24	1.65267
16128557	ylcD	b0574	407	945189	1786787	0.444832	115	36.06								0.73	0.58	0.65556
16128558	ybdE	b0575	1047	945191	1786788	0.414595	238	72.83							1.03			
16128559	pheP	b0576	458	945199	1786789	0.479708	76	16.29							0.50			
16128560	ybdG	b0577	415	946243	1786791	0.41535	99	27.6							0.82	0.41	0.36	0.52777
16128561	nfnB	b0578	217	945778	1786792	0.55386	66	20.23	0.89	12	2	479.00	1598.07	0.05	7.45	4.91	3.29	5.21823
16128562	ybdF	b0579	122	948302	1786793	0.357192	41	10.63							1.29	1.12	0.72	1.04084
16128563	ybdJ	b0580	82	947183	1786794	0.413185	10	1.92							0.66	0.44		0.5526
16128564	ybdK	b0581	372	947246	1786795	0.410532	78	19.18							1.45		0.72	1.08241
16128565	yi81_2	b0582	370	945200	1786796	0.274602	124	32.38										
16128566	entD	b0583	209	945194	1786797	0.343507	48	11.44							0.30			
16128567	fepA	b0584	746	945193	1786798	0.512731	196	51.17	0.41	2.1	1				2.40	1.07	1.14	1.5352
16128568	fes	b0585	374	945181	1786799	0.342733	96	27.36							1.17	0.60	0.41	0.72488
16128569	entF	b0586	1293	945184	1786801	0.406425	256	73.23										
16128570	fepE	b0587	377	945180	1786802	0.380069	122	36.32										
16128571	fepC	b0588	271	945201	1786803	0.378511	71	17.59										
16128572	fepG	b0589	330	945209	1786804	0.373177	55	13.5							0.58			
16128573	fepD	b0590	334	945214	1786805	0.334966	51	14.52										
16128574	ybdA	b0591	416	946268	1786806	0.352249	47	9.8							1.79	1.19	0.62	1.20083
16128575	fepB	b0592	318	947538	1786807	0.362346	71	16.77							0.48			
16128576	entC	b0593	391	945511	1786809	0.424136	103	30.62							1.81	0.86	1.56	1.41034
16128577	entE	b0594	536	947426	1786810	0.435342	131	32.64							1.48		0.90	1.18674
16128578	entB	b0595	285	946178	1786811	0.507975	84	26.68							2.79	1.36	1.59	1.91495
16128579	entA	b0596	248	945284	1786812	0.425535	54	17.18					1981.61	0.062	0.56		0.46	0.51313
16128580	ybdB	b0597	137	945215	1786813	0.387868	30	5.98									1.07	
16128581	cstA	b0598	701	945213	1786814	0.489901	93	20.39							4.08	3.83	16.29	8.06607
16128582	ybdH	b0599	362	945212	1786815	0.410881	61	16.22							2.46	1.06	1.17	1.56392
16128583	ybdL	b0600	386	945211	1786816	0.397221	75	18.96							1.09	0.56	0.46	0.70345
16128584	ybdM	b0601	209	945206	1786817	0.390677	77	21.13							0.58		0.22	0.40114
16128585	ybdN	b0602	406	945205	1786818	0.362705	110	28.04							0.36	0.36	0.20	0.30479
16128586	ybdO	b0603	300	945216	1786820	0.266874	91	26.09	0.4	18	2							
16128587	dsbG					0.367026									2.23	0.77	0.85	1.28364
16128588	ahpC	b0605	187	945225	1786822	0.841488	52	15.73	1	48.1	74	25610.33	18921.18	0.592	25.29	18.92	48.26	30.8227
16128589	ahpF					0.60613									7.40	2.99	3.87	4.75483
16128590	ybdQ	b0607	142	945229	1786824	0.415803	37	11	0.53	12.7	1				3.41	1.24	2.13	2.25904
16128591	ybdR	b0608	412	949067	1786825	0.37344	105	28.82							0.62	0.32	0.34	0.42664
16128592	b0609	b0609	153	947281	1786826	0.346916	45	11.85									0.23	
16128593	rnk	b0610	136	947546	1786827	0.462597	24	6.34							2.30		1.18	1.74092
16128594	rna	b0611	268	949065	1786828	0.41371	95	19.27							2.72	1.52	0.72	1.65228
16128595	ybdS	b0612	487	949070	1786829	0.469638	59	15.45										
16128596	citG	b0613	292	946395	1786830	0.345615	68	17.94										
16128597	ybdU	b0614	183	949084	1786831	0.316616	55	19.93										
16128598	citF	b0615	510	945230	1786832	0.593992	142	37.29										
16128599	citE					0.558826										0.69		
16128600	citD	b0617	98	945415	1786834	0.448076	28	10.3										
16128601	citC					0.414258												
16128602	citA	b0619	552	945233	1786837	0.348902	155	44.32							0.64	0.23	0.18	0.34945
16128603	citB	b0620	226	947008	1786838	0.324589	61	17.04							1.16	0.53	0.40	0.69794
16128604	dcuC	b0621	461	945000	1786839	0.444858	46	11.3							0.57	0.92		0.74338
16128605	crcA	b0622	186	946360	1786840	0.453414	35	7.16										
16128606	cspE	b0623	69	947024	1786841	0.647485	23	8.78	1	53.6	21	13020.78	30651.03	0.959	22.42	21.78	7.59	17.2625
16128607	crcB	b0624	127	945798	1786842	0.285267	13	3.37							1.04	0.77	0.31	0.70554
16128608	ybeH	b0625	75	945234	1786843	0.432912	12	4.29							1.86		0.82	1.33953
16128609	ybeM	b0626	187	945232	1786844	0.357305	48	14.54							1.15		0.39	0.77215
16128610	ybeC	b0627	67	945228	1786845	0.430515	28	8.29							5.02	3.80	1.33	3.38345
16128611	lipA	b0628	321	945227	1786846	0.548509	109	29.93							1.80	1.39	1.12	1.4362
16128612	ybeF					0.351622									0.34			
16128613	lipB					0.359495									1.55	0.90	0.36	0.9342
16128614	ybeD	b0631	87	945220	1786850	0.55395	19	5.35	0.96	21.8	2	1953.71			5.03	2.27	1.23	2.84318
16128615	dacA	b0632	403	945222	1786851	0.56406	113	34.95					1310.42	0.041	5.37	5.45	2.78	4.53311
16128616	rlpA	b0633	362	945241	1786852	0.383328	63	17.05							4.55	2.67	2.38	3.19813
16128617	mrdB	b0634	370	945238	1786853	0.417587	68	15.74							3.76	1.71	1.55	2.34058
16128618	mrdA	b0635	633	945240	1786854	0.502747	190	53.63							1.55	0.99		1.27327
16128619	ybeA	b0636	155	945239	1786855	0.375302	52	17.83							6.26	3.87	2.01	4.04728
16128620	ybeB					0.509185									9.39	4.60	2.96	5.65122
16128621	phpB	b0638	203	945246	1786857	0.342818	47	10.47							0.99			
16128622	ybeN	b0639	213	945248	1786858	0.389549	32	8.07							3.53	1.39	1.41	2.1107
16128623	holA	b0640	343	947573	1786859	0.338555	87	26.41							3.64	1.79	1.31	2.24636
16128624	rlpB	b0641	193	946257	1786860	0.448472	69	22.05							6.45	2.95	3.96	4.455

16128625	leuS	b0642	860	947497	1786861	0.663143	256	66.93	1	12.1	14	1138.73			9.07	4.19	4.58	5.94678
16128626	ybeL	b0643	160	945252	1786863	0.408824	57	14.62							5.47	1.21	2.81	3.1662
16128627	ybeQ					0.393596									0.25			
16128628	ybeR	b0645	235	945249	1786865	0.313488	65	16.25										
16128629	ybeS	b0646	475	945245	1786866	0.333188	122	36.39							0.18			
16128630	ybeT	b0647	184	945243	1786867	0.317562	55	11.06							0.19		0.14	0.16416
16128631	ybeU	b0648	235	945244	1786868	0.314361	57	14.04							0.32	0.49		0.40462
16128632	ybeV	b0649	483	945253	1786869	0.33133	124	37.51							0.36		0.19	0.27564
16128633	ybeW	b0650	556	945218	1786870	0.359046	148	43.25										
16128634	ybeK	b0651	311	945503	1786871	0.474861	57	12.5							1.70	0.63	1.29	1.20742
16128635	gltL	b0652	241	945254	1786872	0.559234	84	17.95							2.71	1.59	1.19	1.83132
16128636	gltK	b0653	224	947354	1786873	0.397856	41	10.34							2.43	1.26	0.85	1.51351
16128637	gltJ	b0654	246	945443	1786874	0.43699	45	12.25							1.90	1.13	0.73	1.25234
16128638	ybeJ	b0655	302	946938	1786876	0.575476	104	29.18					4154.99	0.13	9.10	5.46	6.80	7.12169
16128639	trs5_3	b0656	338	944917	1786877	0.396422	118	27.04										
16128640	lnt	b0657	512	946201	1786878	0.463776	94	25.9							1.65	0.92	0.54	1.03557
16128641	ybeX	b0658	292	946417	1786879	0.537077	90	27.97							8.86	3.20	3.39	5.14991
16128642	ybeY	b0659	155	946430	1786880	0.470698	15	1.96							6.04	3.68	2.89	4.2053
16128643	ybeZ	b0660	359	948044	1786881	0.540757	124	33.21					2077.49	0.065	9.20	4.33	3.85	5.7949
16128644	yleA	b0661	474	945260	1786882	0.554606	147	43.24	0.88	8.2	5	553.96				2.34	1.81	2.0748
16128645	yleB	b0662	391	945261	1786883	0.39568	87	25.53	0.32	6.6	1					1.02	1.11	1.06496
16128646	b0663					0.207752												
16128647	b0667					0.276099												
16128648	b0669					0.312804											0.23	
16128649	b0671					0.318267												
16128650	asnB	b0674	554	945281	1786889	0.5606	167	45.82	0.98	15.3	2	232.87	1821.80	0.057	1.94	1.30	0.92	1.3856
16128651	nagD	b0675	250	945283	1786890	0.508966	48	11.81							3.71	2.08	1.96	2.58066
16128652	nagC	b0676	406	945285	1786891	0.481223	121	39.77							3.90	2.22	1.00	2.37121
16128653	nagA	b0677	382	945289	1786892	0.509694	94	21.75							3.57	2.16	1.50	2.41283
16128654	nagB	b0678	266	945290	1786893	0.595304	69	17.42							2.59	1.22	1.48	1.76301
16128655	nagE	b0679	648	945292	1786894	0.592594	97	24.64							1.14	1.27	1.11	1.17222
16128656	glnS	b0680	554	945310	1786895	0.642654	191	56.41	1	28.7	12	1158.08	2588.88	0.081	4.76	4.19	1.56	3.50239
16128657	ybfM	b0681	468	945296	1786897	0.561875	114	32.42										
16128658	ybfN	b0682	108	945713	1786898	0.440468	34	9.15								0.44		
16128659	fur	b0683	148	945295	1786899	0.549561	44	12.94	1	30.4	4	1682.82	958.84	0.03	8.05	9.00	5.76	7.60079
16128660	fldA	b0684	176	945293	1786900	0.651744	37	10.29	0.88	10.8	4	1862.26	3771.45	0.118	10.73	8.13	8.60	9.1514
16128661	ybfE					0.416466												
16128662	ybfF	b0686	254	945288	1786902	0.484833	60	18.44					1214.54	0.038	1.29	0.74	0.48	0.83774
16128663	seqA	b0687	181	945272	1786903	0.434761	59	15.73	0.75	9.4	1	259.56			7.16	3.02	6.07	5.41752
16128664	pgm	b0688	546	945271	1786904	0.612531	129	39.46	1	15.6	7	965.72	1789.84	0.056	3.00	1.20	1.30	1.83284
16128665	ybfP	b0689	164	945274	1786905	0.262214	42	9.11										
16128666	ybfG					0.313893												
16128667	ybfH					0.2996												
16128668	potE	b0692	439	945422	1786908	0.459172	46	7.28										
16128669	speF	b0693	732	945297	1786909	0.476662	176	43.48							0.45	0.61		0.5305
16128670	kdpE	b0694	225	945302	1786911	0.381342	71	26.77							1.81	1.17	0.80	1.25832
16128671	kdpD	b0695	894	946744	1786912	0.3627	252	66.07							1.56	0.89	0.81	1.088
16128672	kdpC	b0696	190	947508	1786913	0.38177	31	7.74							1.77	0.76	0.93	1.15728
16128673	kdpB	b0697	682	947450	1786914	0.47812	166	42.54										
16128674	kdpA	b0698	557	946045	1786915	0.415821	46	9.06										
16128675	ybfA	b0699	68	947452	1786916	0.503763	24	7.94							2.21	1.43	0.72	1.45058
16128676	rhsC	b0700	1397	945306	1786917	0.386123	436	132.66	0.52	3.2	1							
16128677	ybfB	b0702	108	947566	1786919	0.185077	21	4.85										
16128678	b0703	b0703	477	946124	1786921	0.338277	142	37.24										
16128679	ybfC	b0704	189	947288	1786922	0.265053	68	17.95										
16128680	ybfL					0.285768									0.09	0.33		0.21133
16128681	ybfD	b0706	253	945176	1786924	0.348672	92	21.54							0.11	0.13		0.12219
16128682	ybgA	b0707	169	944853	1786925	0.374173	54	21.69							1.56		0.85	1.20772
16128683	phrB	b0708	472	947005	1786926	0.361055	140	43.57							2.03		0.92	1.47633
16128684	ybgH	b0709	493	947368	1786927	0.475647	80	10.74										
16128685	ybgI	b0710	247	945824	1786928	0.437352	47	11.43	0.77	13	1	366.74	2141.42	0.067	8.85	3.79	4.64	5.75952
16128686	ybgJ	b0711	218	945311	1786929	0.375025	47	9.06							3.41	1.23	1.66	2.10236
16128687	ybgK	b0712	310	945317	1786930	0.413605	92	22.94							3.96	0.65	1.61	2.07335
16128688	ybgL	b0713	244	945318	1786931	0.408565	56	14.74							2.85	1.10	1.18	1.71101
16128689	nei	b0714	263	945320	1786932	0.351191	73	21.8							1.52	0.81	0.27	0.86588
16128690	abrB					0.31882									0.61			
16128691	ybgO					0.389774									0.08			
16128692	ybgP	b0717	242	945110	1786936	0.33134	76	24.63										
16128693	ybgQ					0.405349												
16128694	ybgD	b0719	188	945325	1786938	0.406246	32	7.67										
16128695	gltA	b0720	427	945323	1786939	0.634858	122	28.97	1	41.2	44	8268.30	2109.46	0.066	14.83	11.37	14.37	13.5258
16128696	sdhC	b0721	129	945316	1786940	0.402447	26	6.38							12.64	6.74	15.12	11.4974
16128697	sdhD	b0722	115	945322	1786941	0.512254	9	3.12							18.85	7.17	20.36	15.4595
16128698	sdhA	b0723	588	945402	1786942	0.612885	171	44.39	0.93	6.6	1	114.05	3260.07	0.102	20.82	8.97	23.60	17.7953
16128699	sdhB	b0724	238	945300	1786943	0.434666	72	24.06							8.88	4.82	6.82	6.83806
16128700	b0725	b0725	86	945386	1786944	0.292225	45	8.36									16.64	
16128701	sucA	b0726	933	945303	1786945	0.59393	261	69.03	1	34.7	51	4022.02			19.30	4.76	13.77	12.609
16128702	sucB	b0727	405	945307	1786946	0.648048	129	30.73	1	24.2	23	4074.53	1182.57	0.037	24.40	9.32	25.60	19.7745
16128703	sucC	b0728	388	945312	1786948	0.658649	114	35.83	1	48.5	58	8812.38			30.22	15.55	51.01	32.2593
16128704	sucD	b0729	289	945314	1786949	0.6952	68	18.04	1	39.4	34	10260.17	6168.56	0.193	11.45	4.07	9.06	8.19428
16128705	farR	b0730	240	945371	1786950	0.36366	80	20.48							1.01	0.61	0.43	0.68283
16128706	hrsA	b0731	658	945355	1786951	0.369447	122	31.2							0.55	0.48		0.51833
16128707	ybgG	b0732	877	945359	1786952	0.391807	264	71.74										
16128708	cydA					0.586414									6.94	1.61	4.64	4.3986
16128709	cydB	b0734	379	945347	1786954	0.625135	53	8.24							8.33	2.98	4.93	5.41275
16128710	ybgE	b0735	97	945326	1786956	0.366542	18	3.04							3.12	1.57	1.17	1.95401
16128711	ybgC	b0736	134	948907	1786957	0.384225	42	12.1							4.96	5.21	2.03	4.06419
16128712	tolQ	b0737	230	948900	1786958	0.444197	57	18.72							4.22	3.83	1.65	3.23389
16128713	tolR	b0738	142	945328	1786959	0.423019	36	10.7							3.94	4.12	1.29	3.11256
16128714	tolA	b0739	421	946625	1786960	0.471698	186	34.31							5.71	3.26	1.75	3.57433
16128715	tolB	b0740	430	945429	1786961	0.54106	90	28.29	0.99	13.7	4	762.03	894.92	0.028	13.91	9.04	7.79	10.2458
16128716	pal	b0741	173	945004	1786962	0.751514	48	11.85							22.10	17.78	17.01	18.9634
16128717	ybgF	b0742	263	947227	1786963	0.440878	66	17.16	0.72	10.3	1	228.42			13.82	10.93	7.53	10.7587
16128718	nadA	b0750	347	945351	1786964	0.38469	88	19.14					703.15	0.022	7.30	3.12	2.95	4.45556
16128719	pnuC	b0751	239	945350	1786965	0.395786	27	4.97							4.19	1.80	1.23	2.40366
16128720	ybgR	b0752	313	945348	1786966	0.359242	41	8.6							0.69			
16128721	b0753	b0753	126	945356	1786968	0.453904	25	5.52							2.14	0.72	1.28	1.38134
16128722	aroG	b0754	350	945605	1786969	0.485615	106	24.68	1	30.3	23	5073.35	7702.71	0.241	15.79	11.11	6.48	11.1274
16128723	gpmA	b0755	250	945068	1786970	0.654632	94	30.17	1	26.4	27	4871.93	17482.91	0.547	9.91	8.11	6.45	8.15463
16128724	galM	b0756	346	944943	1786971	0.467064	76	21.19	0.83	18.5	4	852.94	11090.62	0.347	6.26	2.90	6.19	5.11702
16128725	galK	b0757	382	945358	1786972	0.514586	84	20.37							4.11	3.36	4.08	3.84991
16128726	galT	b0758	348	945357	1786973	0.462587	94	26.42							2.12	0.59	2.07	1.59121
16128727	galE					0.532573							1885.73	0.059	2.93		2.17	2.55215
16128728	modF	b0760	490	945368	1786975	0.355246	119	37.66							1.66	0.98	0.62	1.08838
16128729	modE	b0761	262	945366	1786976	0.383521	61	20.54							1.04		0.47	0.75502
16128730	b0762	b0762	49	945365	1786977	0.438996	8	1.9									1.43	
16128731	modA	b0763	257	945364	1786979	0.513144	78	29.99					3739.49	0.117	1.44	3.15	1.25	1.9464
16128732	modB	b0764	229	945361	1786980	0.36549	54	13.31							1.25	1.59	0.71	1.18442

16128733	modC	b0765	352	945362	1786981	0.404147	100	31.9							0.95	1.20	0.33	0.82893
16128734	ybhA	b0766	272	945372	1786982	0.471752	44	11.99							2.24	2.04	1.09	1.78941
16128735	ybhE	b0767	331	946398	1786983	0.479079	53	14.71								1.82	3.92	2.87021
16128736	ybhD					0.272278												
16128737	ybhH	b0769	350	945375	1786985	0.377386	81	18.46										
16128738	ybhI	b0770	477	945377	1786986	0.492856	66	15.47										
16128739	ybhJ					0.493335										0.72	0.30	0.51334
16128740	ybhC	b0772	427	945381	1786989	0.519515	75	17.98								4.62	3.25	3.93268
16128741	ybhB	b0773	158	945383	1786990	0.493239	31	9.87								1.09	2.05	1.56994
16128742	bioA	b0774	429	945376	1786991	0.468352	91	22.6								1.33	1.82	1.57754
16128743	bioB	b0775	346	945370	1786992	0.444848	95	26.45	1	18.5	4	823.28	1757.88	0.055	7.22	2.83	4.06	4.70358
16128744	bioF	b0776	384	945384	1786993	0.395335	85	23.67							2.15	0.78	1.16	1.36108
16128745	bioC	b0777	251	945388	1786994	0.334723	59	18.18							1.96	0.99	1.59	1.51225
16128746	bioD	b0778	225	945387	1786995	0.363305	35	9.07	1	15.1	8	4801.70	1022.77	0.032	2.16	1.34	1.63	1.71062
16128747	uvrB	b0779	673	945385	1786996	0.451327	204	55.38	0.21	1.6	2				2.13	1.50	0.85	1.49273
16128748	ybhK	b0780	302	945390	1786997	0.344467	73	26.91								1.20	0.53	0.86948
16128749	moaA	b0781	329	945392	1786999	0.47334	109	30.66							5.26		1.94	3.59794
16128750	moaB	b0782	170	945396	1787000	0.503249	46	13.58	0.3	5.3	1		4570.49	0.143	7.37	2.86	4.44	4.8898
16128751	moaC	b0783	161	945397	1787001	0.476424	58	15.68							8.95	3.88	4.44	5.75711
16128752	moaD	b0784	81	945398	1787002	0.508865	15	4.95							5.68	2.22	3.96	3.95431
16128753	moaE	b0785	150	945399	1787003	0.525454	47	12.65							3.47	1.21	1.41	2.02779
16128754	ybhL	b0786	234	945401	1787004	0.386044	36	8.54								1.96	3.09	2.5202
16128755	ybhM	b0787	237	949001	1787005	0.234563	34	6.32										
16128756	ybhN	b0788	318	945410	1787006	0.413918	74	13.91									0.18	
16128757	ybhO	b0789	413	945409	1787007	0.399639	142	35.32									0.51	
16128758	ybhP	b0790	253	945408	1787008	0.358693	70	22.34								0.82	1.06	0.93666
16128759	ybhQ	b0791	136	945405	1787009	0.427289	34	5.78									0.70	
16128760	ybhR	b0792	368	945403	1787010	0.394481	62	17.15								0.65	0.28	0.46472
16128761	ybhS	b0793	377	945411	1787011	0.437106	70	13.68								0.94	0.57	0.75856
16128762	ybhF					0.411917											0.47	
16128763	b0795	b0795	332	945414	1787013	0.431111	86	25.48									1.34	
16128764	ybiH					0.4082											0.35	
16128765	rhlE	b0797	454	945425	1787016	0.553911	175	49.34							1.64	0.87		1.25564
16128766	ybiA	b0798	160	945426	1787017	0.392101	67	15.34										
16128767	dinG	b0799	716	945431	1787018	0.385731	248	68.76							0.87	0.83	0.29	0.66297
16128768	ybiB	b0800	320	945424	1787019	0.432099	94	24.59	0.37	5	3					1.42	1.19	1.30164
16128769	ybiC	b0801	361	945412	1787020	0.429006	65	16.1	1	15	4	1352.53				4.19	3.54	3.86435
16128770	ybiJ	b0802	86	945433	1787021	0.513488	14	4.57										
16128771	ybiI	b0803	88	945434	1787022	0.397789	27	5.12								0.55	0.46	0.50472
16128772	ybiX					0.392122										0.57	0.52	0.54416
16128773	b0805	b0805	760	946246	1787024	0.442572	165	45.67					926.88	0.029			0.46	
16128774	ybiM					0.368287										0.64	0.88	0.75908
16128775	ybiN					0.387738												
16128776	ybiO					0.386294										0.47	0.33	0.39709
16128777	glnQ	b0809	240	945435	1787029	0.55176	79	21.05					1438.27	0.045	7.97	4.38	4.09	5.47966
16128778	glnP	b0810	219	945621	1787030	0.48554	52	15.02							7.86	3.43	5.10	5.46188
16128779	glnH	b0811	248	944872	1787031	0.6379	88	28.23	1	33.9	11	2121.26	16396.22	0.513	20.31	16.92	20.10	19.1121
16128780	dps	b0812	167	945101	1787032	0.621027	57	21.02							23.86	4.70	28.19	18.918
16128781	ybiF	b0813	295	947045	1787033	0.32197	38	6.12									0.42	
16128782	ompX	b0814	171	944967	1787034	0.782844	36	10.56							15.48	8.05	7.70	10.4099
16128783	ybiP	b0815	527	945360	1787035	0.392192	132	32.33								0.36		
16128784	b0816	b0816	89	945436	1787037	0.263977	46	12.2										
16128785	b0817	b0817	155	945437	1787038	0.353823	60	18.08									1.11	
16128786	ybiR	b0818	372	945438	1787039	0.343645	54	11.81								1.18		
16128787	ybiS	b0819	306	945441	1787040	0.572418	66	19.71	0.96	32.4	2	530.31	3387.91	0.106		2.92	2.82	2.87206
16128788	ybiT	b0820	530	945440	1787041	0.562063	161	46.35	0.98	9.2	2	230.21				1.84	1.04	1.44315
16128789	ybiU	b0821	421	945439	1787042	0.40437	101	30.58								0.65	0.45	0.55007
16128790	b0822	b0822	271	945432	1787043	0.440263	73	20.03									0.85	
16128791	ybiW	b0823	810	945444	1787044	0.551565	212	54.42									0.39	
16128792	ybiY	b0824	308	945445	1787045	0.422123	80	21.31										
16128793	mipB					0.44704									0.74	0.50	0.43	0.55549
16128794	moeB	b0826	249	945452	1787048	0.452616	57	11.52					831.00	0.026				
16128795	moeA	b0827	411	945454	1787049	0.457792	86	17.93	0.95	22.9	1	288.44			2.47		0.96	1.7183
16128796	ybiK	b0828	321	945456	1787050	0.393926	69	20.63								1.71	1.54	1.62385
16128797	b0829	b0829	612	945457	1787051	0.375121	181	62.34									2.22	
16128798	b0830	b0830	512	945459	1787052	0.445348	132	36.27	0.69	8.4	2	207.13					1.31	
16128799	b0831	b0831	306	945460	1787053	0.364644	53	12.98									0.99	
16128800	b0832	b0832	303	945461	1787054	0.371823	59	14.89									0.55	
16128801	b0833	b0833	782	945462	1787055	0.365738	248	62.06	0.99	15.9	4	347.37					0.22	
16128802	b0834	b0834	442	945463	1787056	0.379395	138	33.16									0.31	
16128803	yliG	b0835	441	945465	1787057	0.564468	133	31.88										
16128804	b0836	b0836	127	945466	1787059	0.334193	41	8.85										
16128805	yliI	b0837	371	945467	1787060	0.402136	112	34.35									1.32	
16128806	yliJ					0.395462										2.76	2.06	2.41207
16128807	dacC	b0839	400	945455	1787062	0.468695	107	33.21							3.41	1.12	2.17	2.23433
16128808	deoR	b0840	252	945453	1787063	0.424228	77	16.3							1.70	1.03	0.63	1.12229
16128809	ybjG	b0841	198	945450	1787064	0.352795	26	4.32								1.62	2.78	2.19899
16128810	cmr	b0842	410	945448	1787065	0.381207	61	8.71							1.33	0.79	0.49	0.86735
16128811	ybjH	b0843	94	945447	1787066	0.404488	7	1.29								0.51		
16128812	b0844					0.432453											0.60	
16128813	b0845	b0845	402	945471	1787068	0.377882	55	10.4									0.53	
16128814	b0846	b0846	178	945473	1787069	0.326682	43	10.5									0.41	
16128815	b0847	b0847	561	945474	1787071	0.375865	115	28.48									0.45	
16128816	ybjM	b0848	125	945477	1787072	0.316488	27	4.04										
16128817	grxA	b0849	85	945479	1787073	0.501868	26	6.27							1.77	1.31	0.67	1.24717
16128818	ybjC	b0850	95	945481	1787074	0.353341	20	2.75								2.42	2.78	2.60135
16128819	mdaA	b0851	240	945483	1787075	0.414561	59	14.21	0.24	7.1	1				4.06	1.69	3.62	3.12262
16128820	rimK	b0852	300	945484	1787076	0.39503	98	24.72										
16128821	ybjN	b0853	158	945482	1787077	0.438578	10	3.15								1.96	0.80	1.37815
16128822	potF	b0854	370	945480	1787078	0.477751	104	27.91					1917.69	0.06	6.54	3.16	3.47	4.38885
16128823	potG					0.418484									1.54		0.66	1.10184
16128824	potH	b0856	317	945475	1787080	0.396757	36	11.79							1.36	0.83	0.50	0.89648
16128825	potI	b0857	281	945485	1787081	0.323834	51	9.13							1.58	1.37	0.61	1.18753
16128826	ybjO	b0858	162	945488	1787082	0.393591	40	12.06	0.26	11.1	1					0.71	0.47	0.58908
16128827	ybjF	b0859	375	947260	1787083	0.450856	88	19.61								0.67		
16128828	artJ	b0860	243	948981	1787085	0.50639	70	21.72	1	38.3	13	3258.34			11.74	10.51	5.56	9.26966
16128829	artM	b0861	222	949066	1787086	0.438757	34	10.2							2.74		1.32	2.02858
16128830	artQ	b0862	238	949046	1787087	0.414533	38	9.62							2.79	1.26	1.80	1.95042
16128831	artI	b0863	243	948988	1787088	0.618409	71	22.65	0.73	6.6	1	175.46	6008.75	0.188	7.86	3.34	5.51	5.57017
16128832	artP	b0864	242	945489	1787089	0.511785	63	13.94							6.99	3.79	5.24	5.33951
16128833	ybjP	b0865	171	945491	1787090	0.380426	47	13.21								1.15	3.30	2.22776
16128834	b0866	b0866	107	945493	1787091	0.430319	26	4.39									2.51	
16128835	b0867	b0867	276	945494	1787092	0.417395	75	22.02									0.95	
16128836	b0868					0.456176											0.55	
16128837	ybjT					0.383079										1.22	0.95	1.08682
16128838	ybjU	b0870	333	944955	1787095	0.432664	92	26.75								1.51	1.88	1.69515
16128839	poxB	b0871	572	946132	1787096	0.439833	139	35.24							5.59	1.03	3.89	3.50248
16128840	b0872	b0872	322	947660	1787098	0.475558	85	19.77									0.24	

16128841	ybjW					0.578117											
16128842	ybjE					0.338913									0.58		
16128843	aqpZ	b0875	231	945497	1787101	0.515161	17	2.21						0.58	0.20		0.39251
16128844	ybjD	b0876	552	945498	1787102	0.334745	198	51.73							0.75	0.41	0.58036
16128845	ybjX	b0877	330	946025	1787103	0.366464	117	29.16							2.16	7.28	4.71761
16128846	b0878					0.393051										0.64	
16128847	ybjZ	b0879	648	945164	1787105	0.36402	163	47.9							1.32	0.62	0.97071
16128848	cspD	b0880	74	945669	1787107	0.437941	18	3.9						7.30	5.16	22.37	11.6058
16128849	yljA	b0881	106	948443	1787108	0.394063	31	9.36							7.03	6.58	6.80646
16128850	clpA	b0882	758	945764	1787109	0.49248	239	66.18	0.28	9.6	1			6.92	3.99	2.91	4.60747
16128851	infA	b0884	72	945500	1787110	0.579205	26	6.45						18.71	15.27	6.58	13.5189
16128852	aat	b0885	234	945490	1787111	0.333077	68	20.28						1.94			
16128853	cydC	b0886	573	945504	1787112	0.338782	131	38.91						2.79		0.83	1.80727
16128854	cydD	b0887	588	949052	1787113	0.349664	131	37.52						1.45	0.69	0.47	0.86914
16128855	trxB	b0888	321	949054	1787114	0.549876	72	16.27	1	22.1	9	3011.39	2013.57	0.063	4.75	3.52	1.82	3.36456
16128856	lrp	b0889	164	949051	1787116	0.374077	65	16.38	0.99	31.1	6	1974.17			12.21	12.62	4.30	9.70837
16128857	ftsK	b0890	1329	945102	1787117	0.459474	256	74.66							6.28	2.37	2.14	3.59869
16128858	lolA	b0891	204	948989	1787118	0.512621	51	17.03	0.96	14.2	1	306.88			5.56	3.35	3.33	4.07752
16128859	ycaJ	b0892	447	945505	1787119	0.430204	140	41.1								1.05	0.70	0.87547
16128860	serS	b0893	430	945506	1787120	0.615264	138	34.76	0.98	5.1	7	1074.38	29148.84	0.912	3.17	3.01	0.80	2.32725
16128861	dmsA					0.524831											
16128862	dmsB	b0895	205	945507	1787122	0.551502	54	13.9	0.55	27.8	2					0.18	
16128863	dmsC	b0896	287	945502	1787123	0.422307	32	7.29							0.58		
16128864	ycaC	b0897	208	945512	1787124	0.386181	48	11.51								0.98	2.18	1.58075
16128865	ycaD	b0898	382	945515	1787126	0.34795	48	7.94								0.98	0.46	0.72356
16128866	b0899					0.398028											
16128867	ycaN	b0900	302	945523	1787128	0.358317	84	21.31								0.56		
16128868	ycaK	b0901	196	945520	1787129	0.326769	53	16.33								0.21	0.16	0.18747
16128869	pflA	b0902	246	945517	1787130	0.592129	85	23.7					1054.73	0.033	3.72	1.55	1.09	2.12192
16128870	pflB	b0903	760	945514	1787131	0.82004	242	70.35	1	41.1	66	5107.31	3451.84	0.108	10.32	5.12	6.29	7.24248
16128871	focA	b0904	285	945513	1787132	0.465552	34	6.98							7.59	3.57	4.84	5.33206
16128872	ycaO					0.52634										0.87	0.34	0.60302
16128873	ycaP	b0906	230	945525	1787135	0.348974	67	15.15								0.77	1.18	0.97794
16128874	serC	b0907	362	945527	1787136	0.497534	95	28.84	1	43.4	44	8305.57	5273.64	0.165	14.31	8.79	7.28	10.1254
16128875	aroA	b0908	427	945528	1787137	0.45803	100	29.14	1	8.4	6	1120.92			13.63	7.64	4.52	8.59423
16128876	ycaL					0.497547											0.26	
16128877	cmk	b0910	227	945535	1787139	0.403997	70	18.91	0.37	19.8	2		95.88	0.003	7.91	5.68	3.18	5.58833
16128878	rpsA	b0911	557	945536	1787140	0.809727	190	54.83	1	54.8	208	20651.77	86711.41	2.713	27.77	48.88	36.57	37.7397
16128879	himD	b0912	94	945533	1787141	0.41909	44	10.6	0.98	16	2	1006.61			16.79	12.62	13.03	14.1494
16128880	ycaI					0.277822											
16128881	msbA	b0914	582	945530	1787143	0.495583	164	45.85							2.93	1.28	0.94	1.71524
16128882	ycaH	b0915	328	945526	1787144	0.393364	95	26.12								0.81	0.71	0.75675
16128883	ycaQ	b0916	410	945524	1787145	0.385622	137	41.56										
16128884	ycaR	b0917	60	945537	1787146	0.483306	20	7.01								5.26	4.93	5.09489
16128885	kdsB	b0918	248	945539	1787147	0.514347	65	20.62							5.69	2.36	2.51	3.51876
16128886	b0919	b0919	297	945545	1787149	0.322367	96	28.65										
16128887	ycbC	b0920	259	945546	1787150	0.368125	63	22.51	0.57	4.6	1					0.92		
16128888	smtA	b0921	261	945547	1787151	0.422691	78	21.98							7.30	3.63	2.74	4.55373
16128889	mukF	b0922	440	945548	1787152	0.476344	135	50.43							4.01	2.52	1.24	2.58865
16128890	mukE	b0923	225	945550	1787153	0.461092	75	18.31	0.95	10.7	1	282.45			5.17	2.83	3.60	3.86527
16128891	mukB	b0924	1486	945549	1787154	0.527036	527	142.34	0.56	7.3	2				2.11	1.05	1.19	1.44965
16128892	ycbB	b0925	615	945541	1787155	0.379706	139	41.73	0.47	7	2					1.42	1.12	1.26953
16128893	ycbK	b0926	182	945538	1787157	0.365013	69	20.46								5.78	8.82	7.30102
16128894	ycbL	b0927	215	945551	1787158	0.453393	41	12.6					5785.02	0.181		2.23	2.01	2.12175
16128895	aspC	b0928	396	945553	1787159	0.565149	105	34.64	1	48.7	53	8329.33	2365.15	0.074	16.63	9.46	10.33	12.1374
16128896	ompF	b0929	362	945554	1787160	0.723459	84	23.09	0.25	5.5	1		5081.87	0.159	33.75	85.17	40.92	53.2806
16128897	asnS	b0930	466	945555	1787161	0.588555	150	42.18	1	26	34	4388.18			3.51	2.01	0.84	2.12002
16128898	pncB	b0931	400	946648	1787162	0.449058	121	38.16	1	19	4	570.64			4.93	2.35	1.83	3.03367
16128899	pepN	b0932	870	947253	1787163	0.531865	246	67.23	1	13.1	6	485.85			4.22	2.57	2.45	3.07777
16128900	ycbE	b0933	255	947220	1787164	0.318613	75	18.93										
16128901	ycbM					0.339336										0.78		
16128902	ycbN	b0935	381	945557	1787166	0.366994	92	22.92										
16128903	ycbO					0.412781												
16128904	ycbP	b0937	191	945947	1787168	0.397684	44	15.21										
16128905	ycbQ					0.373429												
16128906	ycbR	b0939	233	946773	1787171	0.303094	73	22.06								0.20		
16128907	ycbS	b0940	866	946934	1787172	0.343414	202	54.28										
16128908	b0941	b0941	356	947185	1787173	0.294127	59	18.19	0.24	14.9	3							
16128909	b0942	b0942	180	945561	1787174	0.331954	20	3.55									0.27	
16128910	b0943					0.273138											0.23	
16128911	ycbF					0.282653												
16128912	pyrD	b0945	336	945556	1787177	0.415425	94	32.15	0.25	23.5	1		3004.38	0.094	4.63	3.58	2.44	3.54728
16128913	ycbW					0.392142										1.74	1.47	1.60692
16128914	b0947	b0947	369	945563	1787179	0.384296	106	30.87							1.89	1.22	0.53	1.21596
16128915	ycbY	b0948	702	945564	1787181	0.511839	244	60.33								1.06	0.99	1.02546
16128916	uup	b0949	635	945566	1787182	0.480279	221	52.25							2.83	1.33	1.06	1.74022
16128917	pqiA	b0950	417	944999	1787183	0.343984	82	19.12							1.06	0.60	0.46	0.70442
16128918	pqiB	b0951	546	945653	1787184	0.41361	174	53.19							2.33	1.40	1.20	1.64159
16128919	ymbA	b0952	182	946972	1787185	0.399364	30	7.65	0.28	9.9	1					0.63	0.45	0.54206
16128920	rmf	b0953	55	945567	1787186	0.257177	30	5.34							23.14	20.66	52.60	32.1308
16128921	fabA	b0954	172	945568	1787187	0.628519	55	16.12	1	14.5	9	3039.41			6.32	4.01	3.20	4.51199
16128922	b0955	b0955	586	945569	1787188	0.408516	117	34.18							3.36	2.21	1.47	2.34528
16128923	ycbG	b0956	150	945570	1787190	0.407931	63	16.34								2.28	1.29	1.78868
16128924	ompA	b0957	346	945571	1787191	0.820451	83	25.82					1310.42	0.041	39.50	47.46	46.00	44.3233
16128925	sulA	b0958	169	947335	1787192	0.318611	36	10.87							2.21	0.95	1.31	1.48825
16128926	b0959	b0959	209	946504	1787193	0.307768	85	21.03									0.38	
16128927	b0960					0.363073											0.32	
16128928	yccF	b0961	148	945594	1787195	0.452743	24	5.14								0.69	0.97	0.83094
16128929	helD	b0962	684	946227	1787196	0.394242	244	74.89							2.80	0.96	0.95	1.56905
16128930	mgsA					0.428427									5.00	2.89	4.75	4.21323
16128931	b0964	b0964	220	945577	1787198	0.366159	65	22.75									0.36	
16128932	b0965					0.388135											0.91	
16128933	yccV					0.413013										3.76	2.51	3.13302
16128934	b0967					0.500151											1.22	
16128935	b0968	b0968	92	945304	1787203	0.35583	34	9.39									1.40	
16128936	yccK					0.484445										1.51	0.63	1.07393
16128937	yccA	b0970	219	946016	1787205	0.504804	18	3.98								4.43	10.71	7.56711
16128938	hyaA	b0972	372	945579	1787206	0.459815	85	16.34										
16128939	hyaB	b0973	597	945580	1787207	0.497556	143	43.12								1.27		
16128940	hyaC	b0974	235	945581	1787208	0.466875	45	12.04							0.62	0.96	0.35	0.6447
16128941	hyaD	b0975	195	945575	1787209	0.360773	34	8.6										
16128942	hyaE	b0976	132	945573	1787210	0.364811	31	12.73										
16128943	hyaF	b0977	285	945572	1787211	0.33581	44	9.43										
16128944	appC	b0978	514	945585	1787212	0.416317	84	18.12							1.24	0.65	0.39	0.75963
16128945	appB	b0979	378	947547	1787213	0.38222	46	7.8							0.51		0.24	0.37779
16128946	appA	b0980	432	946206	1787215	0.323329	99	30.93										
16128947	yccC	b0981	726	947409	1787216	0.443187	210	62.63								0.56	0.30	0.43424
16128948	yccY					0.39581												

16128949	yccZ	b0983	379	945586	1787218	0.421318	97	27.55								0.69	0.46	0.57625
16128950	ymcA	b0984	698	945588	1787219	0.4433	182	54.15										
16128951	ymcB	b0985	248	944978	1787220	0.365524	50	16.01										
16128952	ymcC	b0986	214	949118	1787221	0.323634	48	12.64								0.28		
16128953	ymcD					0.43673										1.11	0.49	0.79943
16128954	insB_4	b0988	167	945009	1787223	0.322542	69	19.01										
16128955	cspH	b0989	70	945590	2367112	0.330619	33	9.56							0.45	0.39		0.41791
16128956	cspG	b0990	70	945591	2367114	0.52439	21	7.75							1.13	0.74	0.39	0.75292
16128957	sfa	b0991	76	946951	1787225	0.295991	13	2.02							0.36	0.66		0.50787
16128958	yccM	b0992	357	946295	1787226	0.321751	89	16.53										
16128959	torS					0.383328									0.43			
16128960	torT	b0994	342	946289	1787228	0.35584	87	24.59										
16128961	torR	b0995	230	946182	1787229	0.36751	77	19.7							0.68	0.38	0.55	0.53994
16128962	torC	b0996	390	946252	1787230	0.489834	127	30.75										
16128963	torA	b0997	848	946267	1787231	0.481612	233	70.88							1.66	1.39	0.75	1.26582
16128964	torD	b0998	199	945625	1787232	0.391611	41	10.31	0.26	11.6	1							
16128965	yccD	b0999	101	945597	1787234	0.456559	25	5.44									0.56	
16128966	cbpA	b1000	306	947572	1787235	0.494105	94	23.91							7.55	1.42	3.26	4.07598
16128967	yccE	b1001	418	947468	1787236	0.287036	98	26.54								0.20	0.13	0.16697
16128968	agp	b1002	413	945773	1787237	0.460123	102	26.48					5561.29	0.174	2.82	0.97	2.74	2.17503
16128969	yccJ	b1003	75	948930	1787238	0.481156	25	7.94								0.82	3.24	2.03147
16128970	wrbA	b1004	198	947263	1787239	0.521825	38	14.4					1789.84	0.056	10.74	1.63	8.22	6.86225
16128971	ycdF	b1005	76	945598	1787240	0.200373	38	7.23								1.20	2.00	1.60013
16128972	ycdG					0.350514												
16128973	b1007					0.371428												
16128974	b1008	b1008	196	946591	1787243	0.371976	53	17.16										
16128975	b1009	b1009	266	946586	1787244	0.358762	43	7.99										
16128976	b1010	b1010	128	945599	1787245	0.472474	20	3.77									0.21	
16128977	b1011					0.426254												
16128978	b1012					0.43635												
16128979	ycdC	b1013	212	945075	1787249	0.411769	66	17.2										
16128980	putA	b1014	1320	945600	1787250	0.462506	328	92.61							0.61		0.45	0.5259
16128981	putP	b1015	502	945602	1787251	0.441801	79	18.63							3.27	1.91	1.41	2.19753
16128982	ycdO	b1018	375	945603	1787254	0.510266	119	39.39					2876.53	0.09		1.11	1.54	1.32613
16128983	ycdB	b1019	423	946500	1787255	0.369841	123	35.78								0.88	0.47	0.67451
16128984	phoH	b1020	354	948010	1787257	0.345609	123	27.22							1.97	0.83	0.46	1.08569
16128985	ycdP	b1021	137	947503	1787258	0.283121	33	6.97										
16128986	ycdQ	b1022	441	945606	1787259	0.365335	113	27.3										
16128987	ycdR	b1023	672	945604	1787260	0.325793	182	51.81										
16128988	ycdS	b1024	807	945596	1787261	0.341961	228	73.45	0.79	4.8	1	58.55					0.08	
16128989	ycdT	b1025	452	945593	1787262	0.282903	103	23.59								0.34	0.31	0.32127
16128990	tra5_3	b1026	288	945587	1787263	0.352809	118	25.43							1.40	0.91		1.15134
16128991	b1027	b1027	102	945584	1787264	0.438849	48	12.48										
16128992	b1028					0.359663												
16128993	ycdU	b1029	328	945592	1787267	0.291465	77	13.65								0.19	0.14	0.16303
16128994	b1030					0.258885												
16128995	ycdV					0.25508												
16128996	ycdW					0.352687										2.38	3.05	2.71629
16128997	ycdX	b1034	245	948477	1787271	0.408961	60	17.05								1.44	2.37	1.90722
16128998	ycdY	b1035	184	945609	1787272	0.413096	33	11.47	0.99	23.9	7	3289.14				2.39	1.63	2.01074
16128999	ycdZ					0.393945										1.30	0.62	0.95808
16129000	csgG	b1037	277	945619	1787274	0.392661	67	18.93							0.84		0.24	0.5403
16129001	csgF	b1038	138	945622	1787275	0.354749	19	6.3							1.92	0.48	0.64	1.01389
16129002	csgE	b1039	129	945711	1787276	0.290278	29	6.1							1.15		0.27	0.70833
16129003	csgD	b1040	216	949119	1787277	0.328395	68	23.09							2.12	0.42	0.58	1.04216
16129004	csgB	b1041	151	947391	1787278	0.319114	33	7.98										
16129005	csgA	b1042	151	949055	1787279	0.639742	14	3.2									0.40	
16129006	csgC	b1043	110	945623	1787280	0.231242	22	9.85										
16129007	b1044	b1044	103	949012	1787281	0.39133	18	4.45									0.22	
16129008	b1045	b1045	177	946987	1787283	0.36098	36	10.37									0.76	
16129009	ymdC					0.303624										0.49	0.24	0.36538
16129010	ymdD	b1047	385	946944	1787285	0.334557	79	15.92								0.45	0.25	0.34995
16129011	mdoG	b1048	511	945005	1787286	0.487529	158	49.59	0.99	5.5	3	326.04	3995.18	0.125	10.97	5.28	4.73	6.99172
16129012	mdoH	b1049	847	945624	1787287	0.457172	229	62.16							2.52	2.79	1.22	2.17421
16129013	yceK	b1050	75	945613	1787288	0.4078	11	2.81								0.46		
16129014	msyB					0.4237									20.43	4.37	24.48	16.4282
16129015	b1052	b1052	32	945610	1787290	0.2529	9	3.43										
16129016	yceE	b1053	408	945627	1787291	0.304148	76	14.43										
16129017	htrB	b1054	306	946216	1787292	0.452126	107	19.82							1.80	1.63	0.76	1.39448
16129018	yceA	b1055	350	945601	1787294	0.434962	115	26.83	0.37	9.1	1					3.12	1.95	2.53329
16129019	yceI	b1056	191	946145	1787295	0.504507	56	18.42								2.05	2.82	2.43269
16129020	b1057	b1057	188	945628	1787296	0.390149	29	7.84									0.71	
16129021	yceO	b1058	46	945629	1787297	0.252136	8	2.56										
16129022	solA	b1059	372	944983	1787298	0.412451	88	29.92							2.83		0.96	1.89593
16129023	yceP					0.382999										0.97	1.17	1.07164
16129024	dinI	b1061	81	945022	1787300	0.383514	21	8.29							4.39	4.90	1.53	3.60699
16129025	pyrC	b1062	348	945787	1787301	0.445588	80	24.83	1	26.4	10	2192.48	447.46	0.014	11.58	4.03	5.63	7.07862
16129026	yceB	b1063	186	947377	1787302	0.437648	50	15.04								1.09	0.95	1.01996
16129027	grxB	b1064	215	946926	1787303	0.419146	75	26.39							7.84	3.79	10.86	7.49766
16129028	yceL					0.408016										0.43		
16129029	rimJ	b1066	194	946910	1787305	0.40071	70	21.56							8.36	3.26	3.88	5.16853
16129030	yceH	b1067	215	945633	1787306	0.412384	70	18.88	0.81	27.9	2	467.12				2.13	1.98	2.05673
16129031	mviM	b1068	307	945204	1787307	0.376705	79	18.82							1.55	0.55	0.51	0.86993
16129032	mviN	b1069	511	945487	1787309	0.396321	104	28.65							1.22	0.83	0.41	0.81607
16129033	flgN	b1070	138	945634	1787310	0.3611	35	9.45							1.06	15.54	0.34	5.64489
16129034	flgM	b1071	97	946684	1787311	0.429335	30	9.76							1.13	13.91	0.33	5.12218
16129035	flgA	b1072	219	946300	1787312	0.28223	59	13.9							0.87	6.78	0.30	2.64767
16129036	flgB	b1073	138	945678	1787313	0.399575	36	10.64								15.43		
16129037	flgC	b1074	134	946687	1787314	0.435775	29	12.32								21.43		
16129038	flgD	b1075	231	945813	1787315	0.420852	14	3.34					3483.80	0.109	1.10	13.44	0.27	4.93463
16129039	flgE	b1076	402	945636	1787316	0.46516	38	13.67					7670.75	0.24	0.58	12.37		6.47498
16129040	flgF	b1077	251	945639	1787317	0.374069	43	14.4					3611.64	0.113		7.53	0.22	3.87637
16129041	flgG	b1078	260	945647	1787318	0.4417	31	9.89								9.70		
16129042	flgH	b1079	232	946996	1787319	0.424052	40	13.28							0.29	3.86		2.07968
16129043	flgI					0.358394										2.99		
16129044	flgJ	b1081	313	947456	1787321	0.427226	89	28.52							0.58	2.13		1.35744
16129045	flgK	b1082	547	945648	1787323	0.425133	90	29.41							0.72	11.33		6.02294
16129046	flgL	b1083	317	945646	1787324	0.426637	71	23.59					5689.14	0.178		7.49		
16129047	rne	b1084	1061	945641	1787325	0.573456	330	76.71	1	12.2	9	638.71			5.84	3.13	2.05	3.66981
16129048	b1085					0.325075									0.43	0.35		0.39044
16129049	yceC	b1086	319	945637	1787327	0.431575	138	36.05								1.06	0.48	0.77286
16129050	yceF					0.365024										1.10	1.20	1.14842
16129051	yceD	b1088	173	945650	1787329	0.445038	25	7.13					3643.61	0.114		47.19	28.79	37.9872
16129052	rpmF	b1089	57	945657	1787330	0.685092	28	5.1							17.30	32.27	19.09	22.8893
16129053	plsX					0.281588									9.59	6.34	5.74	7.21935
16129054	fabH	b1091	317	946003	1787333	0.486342	65	16.54	1	21.5	8	2633.10	4985.99	0.156	9.64	6.23	7.02	7.6338
16129055	fabD	b1092	309	945766	1787334	0.554045	58	12.89	1	21.7	10	4223.37	10163.74	0.318	11.69	8.78	10.10	10.1919
16129056	fabG	b1093	244	945645	1787335	0.543373	70	19.04	1	27.9	9	2573.28	23299.90	0.729	18.29	27.52	30.52	25.4441

16129057	acpP	b1094	78	944805	1787336	0.733417	13	2.94	1	32.1	41	75918.70	24354.62	0.762	30.19	65.82	53.33	49.783
16129058	fabF	b1095	413	946665	1787337	0.559403	85	19.24	1	25.7	4	1131.79				0.88		
16129059	pabC	b1096	269	946647	1787338	0.310324	66	23.62							0.92	0.61	0.53	0.68812
16129060	yceG	b1097	340	945660	1787339	0.417693	126	34.62								0.64	0.35	0.49504
16129061	tmk	b1098	213	945663	1787340	0.456315	67	21.87							2.27	0.85	1.55	1.55416
16129062	holB	b1099	334	945661	1787341	0.363527	79	24.05							1.33			
16129063	ycfH	b1100	265	945656	1787342	0.447559	78	24.38					1150.61	0.036		0.55	0.75	0.64585
16129064	ptsG	b1101	477	945651	1787343	0.643235	77	23.77							16.00	10.29	2.01	9.43494
16129065	fhuE	b1102	729	945649	1787344	0.434489	164	52.26							0.48		0.27	0.37679
16129066	ycfF					0.466542										1.22	3.46	2.3433
16129067	ycfL	b1104	125	948539	1787347	0.279746	23	5.84								1.14	3.08	2.10704
16129068	ycfM	b1105	213	948536	1787348	0.405618	35	8.7								1.54	3.23	2.3861
16129069	ycfN	b1106	274	948525	1787349	0.277935	90	26.04								1.87	2.61	2.24296
16129070	ycfO	b1107	341	945671	1787350	0.437975	106	26.87					799.04	0.025		3.86	3.85	3.85378
16129071	ycfP					0.386447										2.86	5.11	3.98861
16129072	ndh	b1109	434	946792	1787352	0.504036	118	34.77							2.45	0.89	0.45	1.26213
16129073	ycfJ	b1110	179	945977	1787353	0.432232	53	14.23								0.48		
16129074	ycfQ					0.37575										3.25	0.76	2.00429
16129075	ycfR	b1112	85	945492	1787355	0.416338	17	3.81										
16129076	ycfS	b1113	320	945666	1787356	0.434655	83	31.15								0.61	1.25	0.93277
16129077	mfd	b1114	1148	945681	1787357	0.449621	374	110.22							3.52	1.46	1.37	2.11732
16129078	ycfT	b1115	357	945679	1787359	0.385999	62	13.45										
16129079	ycfU	b1116	399	945673	1787360	0.402606	83	26.34								0.96	0.74	0.85143
16129080	ycfV					0.50975										1.09	1.05	1.0722
16129081	ycfW	b1118	414	945665	1787362	0.404385	93	23.44	0.21	8.2	1					1.15	1.10	1.12417
16129082	ycfX	b1119	303	945664	1787363	0.404564	70	16.75								2.34	1.44	1.89246
16129083	cobB	b1120	279	945687	1787364	0.406262	81	21.28	0.25	8.2	1				5.16	2.80	2.05	3.33358
16129084	b1121	b1121	262	945685	1787365	0.259136	45	11.26										
16129085	ymfA					0.35574										0.34		
16129086	potD	b1123	348	945682	1787367	0.565621	91	23.68	0.97	16.7	3	669.00	862.96	0.027	10.22	6.50	6.37	7.69863
16129087	potC	b1124	264	945691	1787368	0.441282	46	7.84							6.62	4.53	4.23	5.12533
16129088	potB	b1125	275	945692	1787369	0.453323	59	13.04							2.75	1.36	0.87	1.66105
16129089	potA	b1126	378	946323	1787370	0.467593	113	30.83	0.28	18	2				4.08	3.15	1.46	2.89658
16129090	pepT	b1127	408	946333	1787372	0.4731	109	28.49							1.77	0.82	0.72	1.10092
16129091	ycfD					0.471347										1.75	1.06	1.40755
16129092	phoQ	b1129	486	946326	1787374	0.341181	145	40.9							1.92	1.01	1.43	1.45002
16129093	phoP	b1130	223	945697	1787375	0.404018	63	20.22					2045.53	0.064	8.41	2.68	8.36	6.4855
16129094	purB	b1131	456	945695	1787376	0.595894	132	41.37	1	32.9	25	3289.78			6.81	3.58	2.83	4.40972
16129095	ycfC	b1132	213	945693	1787377	0.397898	50	17.3								2.63	3.93	3.28035
16129096	ycfB					0.532121										2.77	2.92	2.84568
16129097	b1134	b1134	153	945689	1787379	0.439672	33	10.3									0.71	
16129098	ymfC					0.365246										0.56	0.74	0.6508
16129099	icdA	b1136	416	945702	1787381	0.657916	126	36.61	1	49	131	19479.77			33.10	39.05	53.17	41.775
16129100	ymfD	b1137	221	945329	1787383	0.246577	84	19.49										
16129101	ymfE	b1138	234	946722	1787384	0.246399	64	12.58								0.16	0.26	0.20771
16129102	lit	b1139	297	948421	1787385	0.261418	70	15.24							0.20	0.06		0.12921
16129103	intE	b1140	375	948034	1787386	0.284467	163	45.43							0.17	0.13		0.14595
16129104	b1141	b1141	81	945705	1787387	0.244278	32	11.18										
16129105	ymfH	b1142	103	945706	1787388	0.257397	23	3.5										
16129106	ymfI					0.371517										0.99	0.36	0.67819
16129107	ymfJ					0.325495												
16129108	b1145	b1145	224	945719	1787391	0.325992	60	12.82									0.37	
16129109	b1146					0.355954												
16129110	ymfL	b1147	189	945717	1787393	0.441476	48	13.33										
16129111	ymfM	b1148	112	945715	1787394	0.329793	35	10.59										
16129112	ymfN	b1149	455	945708	1787395	0.433098	125	31.29										
16129113	ymfR	b1150	60	945700	1787396	0.397087	6	0.8										
16129114	ymfO	b1151	157	945698	1787397	0.310411	47	8.21								1.00		
16129115	b1152					0.382406											0.31	
16129116	b1153	b1153	194	945707	1787399	0.444118	50	9.94										
16129117	ycfK	b1154	209	945726	1787400	0.337503	42	9.38										
16129118	b1155	b1155	137	945724	1787401	0.410222	31	9.7										
16129119	ycfA	b1156	200	945723	1787402	0.438152	47	14.63										
16129120	b1157					0.328716												
16129121	pin	b1158	184	945721	1787404	0.284663	76	20.72							0.48	0.62	0.23	0.44405
16129122	mcrA	b1159	277	945727	1787406	0.26091	91	22.65							0.17			
16129123	ycgW	b1160	107	945729	1787407	0.264105	28	7.24								0.11		
16129124	ycgX	b1161	134	945733	1787408	0.315852	48	12.83										
16129125	ycgE	b1162	243	945735	1787409	0.328694	78	22.83								1.08	0.90	0.98527
16129126	b1163	b1163	403	947592	1787410	0.323475	111	33.79	0.36	8.9	2						0.23	
16129127	ycgZ	b1164	78	945885	1787411	0.290058	26	6.98								0.41	0.91	0.66215
16129128	ymgA	b1165	90	948991	1787412	0.236452	41	11.83								0.30	1.00	0.6492
16129129	ymgB	b1166	88	945340	1787413	0.255	20	6.32									0.13	
16129130	ymgC	b1167	82	945090	1787414	0.253529	22	6.36										
16129131	b1168					0.301358												
16129132	b1169					0.28849											0.10	
16129133	b1170					0.391232											0.34	
16129134	b1171					0.605025											0.67	
16129135	b1172					0.538978											1.22	
16129136	b1173	b1173	70	945739	1787421	0.311064	17	5.37	0.38	20	1							
16129137	minE	b1174	88	945740	1787422	0.41554	28	9.73	0.98	13.6	6	3289.85	2013.57	0.063	9.96	4.91	3.65	6.17418
16129138	minD	b1175	270	945741	1787423	0.414858	97	29.6	1	18.9	2	367.83	5369.52	0.168	9.40	6.08	7.00	7.49604
16129139	minC	b1176	231	945744	1787424	0.380572	57	16.76							11.43	5.57	8.29	8.42986
16129140	ycgJ	b1177	122	946155	1787425	0.353465	35	3.96								1.15	1.08	1.11631
16129141	ycgK	b1178	133	946963	1787426	0.346173	51	12.38								1.22	1.70	1.45911
16129142	ycgL					0.376675										2.60	1.88	2.23971
16129143	b1180	b1180	219	946115	1787428	0.419971	49	11.65									1.35	
16129144	ycgN					0.521538										1.14	0.69	0.91925
16129145	hlyE					0.381407												
16129146	umuD	b1183	139	945746	1787431	0.395193	15	2.55							0.45	0.33	0.27	0.3457
16129147	umuC	b1184	422	946359	1787432	0.311554	151	37.56							0.55	0.55	0.30	0.46637
16129148	dsbB					0.493495									1.30	1.62		1.46038
16129149	nhaB	b1186	513	944822	1787435	0.455066	79	19.73							1.20	0.72	0.47	0.79637
16129150	fadR	b1187	239	948652	1787436	0.385635	68	18.99							1.51	0.97	0.72	1.06785
16129151	ycgB	b1188	510	946365	1787437	0.447586	162	36.44								0.19	0.81	0.50061
16129152	dadA	b1189	432	945752	1787438	0.426227	113	32.34							2.12	0.80	2.28	1.73293
16129153	dadX	b1190	356	945754	1787439	0.37206	87	21.7									0.62	
16129154	b1191					0.388022												
16129155	b1192	b1192	304	945756	1787441	0.397362	60	21.03									0.46	
16129156	mltE					0.346977									3.97	1.42	1.42	2.26888
16129157	ycgR	b1194	244	947609	1787443	0.360033	76	20.96								8.97		
16129158	ymgE	b1195	84	945760	1787445	0.331758	11	1.35										
16129159	ycgY	b1196	146	945761	1787446	0.336477	35	10.17										
16129160	treA	b1197	565	945757	1787447	0.417685	147	43.72							1.89		1.69	1.78611
16129161	ycgC					0.404364										1.13	0.77	0.95245
16129162	b1199	b1199	210	945748	1787449	0.404213	56	16.93					2013.57	0.063			3.75	
16129163	b1200					0.429834											4.32	
16129164	b1201					0.327378											0.18	

16129165	b1202	b1202	955	945767	1787452	0.35222	134	36.1										
16129166	ychF	b1203	363	945769	1787454	0.606557	111	26.78	0.95	4.4	1	193.12	8725.48	0.273		3.34	1.43	2.38266
16129167	pth	b1204	194	945765	1787455	0.394945	64	22.87							3.40	1.76	1.75	2.30437
16129168	ychH	b1205	92	945762	1787456	0.406361	26	2.5								0.89	1.36	1.12403
16129169	ychM					0.449158												
16129170	prsA	b1207	315	945772	1787458	0.63799	87	21.87	1	27	25	6223.05	5017.95	0.157	7.26	5.70	3.29	5.41606
16129171	ychB	b1208	283	945774	1787459	0.332708	70	21.38								4.86	7.58	6.22297
16129172	hemM	b1209	207	945775	1787460	0.459233	66	24.62							8.70	2.46	4.26	5.14387
16129173	hemA	b1210	418	945777	1787461	0.452601	133	34.85	0.99	15.1	9	1391.83			3.73	1.51	1.12	2.11866
16129174	prfA	b1211	360	949002	1787462	0.546437	122	32.99							2.25	1.09	0.78	1.37591
16129175	hemK	b1212	277	945779	1787463	0.390391	53	13.64							1.32	0.54	0.41	0.75587
16129176	b1213	b1213	130	945781	1787464	0.371795	35	11.22									0.49	
16129177	ychA	b1214	269	945784	1787465	0.390895	63	20.52								1.73	1.18	1.45731
16129178	kdsA	b1215	284	945785	1787466	0.588222	85	22.64	1	34.5	8	1923.65	6232.48	0.195	5.97	2.79	3.56	4.10656
16129179	chaA	b1216	366	945790	1787468	0.353106	30	7.13							1.72	0.94	0.86	1.17434
16129180	chaB	b1217	76	945792	1787469	0.52127	39	9.34							2.89	1.07	1.26	1.73836
16129181	chaC	b1218	238	945793	1787470	0.345182	58	14.39							2.09		0.74	1.41492
16129182	ychN	b1219	117	945794	1787471	0.329655	27	7.3								1.79	1.00	1.3934
16129183	ychP	b1220	417	945801	1787472	0.332799	94	26.46									0.42	
16129184	narL	b1221	216	945795	1787473	0.471961	70	17.97							5.00	1.10	3.20	3.09947
16129185	narX	b1222	598	945788	1787474	0.369909	171	48.6							2.23		2.02	2.12486
16129186	narK	b1223	463	945783	1787475	0.481647	75	14.49										
16129187	narG	b1224	1247	945782	1787477	0.617543	350	97.15										
16129188	narH	b1225	512	945780	1787478	0.642029	174	45.32									0.37	
16129189	narJ	b1226	236	945807	1787479	0.50745	60	22.04							0.85	0.90		0.87444
16129190	narI	b1227	225	945808	1787480	0.560319	44	10.07										
16129191	b1228	b1228	91	945809	1787481	0.258118	29	6.11										
16129192	tpr	b1229	33	946224	1787482	0.134777	21	2.47										
16129193	purU	b1232	280	945827	1787483	0.438969	92	22.15	1	31.4	10	2457.75			8.08	4.67	4.35	5.69856
16129194	ychJ	b1233	152	945828	1787484	0.361295	40	7.49								2.46	1.61	2.03717
16129195	ychK	b1234	314	945725	1787485	0.324191	76	21.2								0.76	1.40	1.08256
16129196	hnr	b1235	337	945855	1787487	0.302078	78	19.84							1.74		0.72	1.23156
16129197	galU	b1236	302	945730	1787488	0.497129	69	16.11	1	17.9	4	1351.69	2397.11	0.075	3.94	2.34	1.29	2.52354
16129198	hns	b1237	137	945829	1787489	0.649459	59	14.89	1	37.2	48	17549.26	27998.23	0.876	22.31	36.47	43.07	33.9503
16129199	tdk	b1238	205	945834	1787490	0.348151	62	16.8							1.70	1.28	0.53	1.1671
16129200	ychG	b1239	196	947406	1787491	0.320379	66	19.07										
16129201	b1240	b1240	76	949061	1787492	0.378062	22	7.67										
16129202	adhE	b1241	891	945837	1787493	0.712568	254	64.9	1	29.6	52	4361.85	4154.99	0.13	9.12	6.16	6.07	7.11398
16129203	ychE	b1242	215	945836	1787494	0.340023	44	11.32										
16129204	oppA	b1243	543	945830	1787495	0.507793	153	44.53	1	44.2	43	5256.88	14254.81	0.446	11.45	30.30	8.85	16.8662
16129205	oppB	b1244	306	945823	1787497	0.353705	62	15.01							5.14	10.14	4.04	6.43983
16129206	oppC	b1245	302	945810	1787498	0.409692	48	10.09							5.47	11.02	2.87	6.45245
16129207	oppD					0.402628									4.88	6.25	1.91	4.34491
16129208	oppF	b1247	334	945818	1787500	0.396734	106	28.76	0.62	15	2	234.72			2.99	6.35	1.02	3.45442
16129209	b1248					0.466274											1.70	
16129210	cls	b1249	486	945821	1787502	0.360386	132	33.19							3.82	1.53	1.10	2.14878
16129211	kch	b1250	417	945841	1787503	0.301856	84	20.64							1.98	0.91	0.86	1.24805
16129212	yciI					0.398438										3.77	3.56	3.66408
16129213	tonB	b1252	239	945843	1787505	0.393581	51	13.04							3.90	2.25	2.14	2.76396
16129214	yciA	b1253	132	946634	1787506	0.350516	34	10.36								4.08	1.56	2.82305
16129215	yciB	b1254	179	946228	1787507	0.441933	40	9.53								1.23	2.00	1.61565
16129216	yciC	b1255	247	945844	1787508	0.328787	29	8.56								1.91	1.82	1.86636
16129217	yciD	b1256	212	945128	1787510	0.424969	32	8.88								0.54	0.43	0.48242
16129218	yciE	b1257	168	946871	1787511	0.386967	49	15.59								0.13	0.36	0.24806
16129219	yciF	b1258	166	947133	1787512	0.421178	63	13.77								0.46	1.18	0.81598
16129220	yciG					0.456963											2.09	
16129221	trpA	b1260	268	946204	1787514	0.435428	66	22.09	1	38.1	9	2217.99	9364.70	0.293	9.06	3.20	2.36	4.87118
16129222	trpB	b1261	397	945768	1787515	0.503823	99	25.63	1	34.8	21	4460.49	10035.90	0.314	14.82	5.75	9.46	10.0101
16129223	trpC					0.410833									11.83	2.36	4.72	6.30324
16129224	trpD	b1263	531	945109	1787517	0.443913	102	23.78	0.99	14.3	2	453.28			9.86	3.15	4.24	5.75079
16129225	trpE	b1264	520	945846	1787518	0.45167	144	35.99							8.80	2.34	3.36	4.83318
16129226	trpL	b1265	14	945856	1787519	0.782758	7	1.76							9.46	2.95	3.23	5.21301
16129227	yciV	b1266	293	945857	1787520	0.355738	74	17.3								3.17	3.55	3.3632
16129228	yciO					0.458403										2.60	3.11	2.85596
16129229	yciQ	b1268	631	945850	1787522	0.318452	159	37.09										
16129230	yciL	b1269	291	945840	1787524	0.577338	138	31.98								4.00	1.60	2.79858
16129231	btuR	b1270	196	945839	1787525	0.411405	60	15.41							1.65	1.59	0.65	1.29451
16129232	yciK	b1271	252	945838	1787526	0.408029	64	23.59								1.73	1.28	1.50463
16129233	sohB	b1272	349	945858	1787527	0.424773	125	30.87							3.17	2.00	1.43	2.20073
16129234	yciN	b1273	83	945860	1787528	0.385579	27	8.8								1.30	0.65	0.97633
16129235	topA	b1274	865	945862	1787529	0.537758	328	80.66							1.96	1.87	0.71	1.51389
16129236	cysB	b1275	324	945771	1787530	0.361715	99	31.46							1.96	1.13	0.71	1.26735
16129237	acnA	b1276	891	946724	1787531	0.416643	250	70.8							2.17	1.18	2.08	1.81218
16129238	ribA	b1277	196	945763	1787533	0.460215	53	14.85							3.82	2.95	1.55	2.77077
16129239	pgpB	b1278	254	945863	1787534	0.307507	72	19.96							1.62	0.81	0.84	1.09118
16129240	yciS	b1279	102	944936	1787535	0.335945	24	4.51								1.98	1.64	1.81335
16129241	yciM	b1280	389	944858	2367116	0.428834	136	34.51										
16129242	pyrF	b1281	245	947121	1787537	0.44927	62	16.99					4506.56	0.141	2.95	2.17	1.22	2.11482
16129243	yciH					0.423227										6.87	2.13	4.50143
16129244	osmB	b1283	72	945866	1787539	0.466873	12	2.01							5.29	1.04	2.82	3.04844
16129245	b1284	b1284	249	945869	1787540	0.404917	73	24.06					1150.61	0.036			0.31	
16129246	yciR	b1285	661	945868	1787541	0.341349	196	50.53									0.23	
16129247	rnb	b1286	644	945864	1787542	0.535749	216	59.44	1	16.8	16	1465.39			8.03	4.48	4.78	5.76418
16129248	yciW					0.301132										1.52	2.98	2.24799
16129249	fabI	b1288	262	945870	1787545	0.677238	64	17.85	1	31.7	17	5184.69	17291.14	0.541	8.88	6.22	6.82	7.30536
16129250	ycjD	b1289	117	945871	1787546	0.28977	51	9.85										
16129251	sapF	b1290	268	945335	1787547	0.39505	82	26.69	0.45	24.3	1				1.73	0.78	0.64	1.04935
16129252	sapD	b1291	330	946203	1787548	0.427312	119	28.46							1.58	0.86	0.71	1.04988
16129253	sapC	b1292	296	945266	1787549	0.413783	36	8.52							1.59	0.93	0.53	1.0151
16129254	sapB	b1293	321	946191	1787550	0.404265	48	12.05							0.61			
16129255	sapA	b1294	547	945873	1787551	0.398177	152	45.83							1.87	1.01	0.95	1.2784
16129256	ymjA	b1295	81	945874	1787552	0.42822	12	3.83								0.82	0.63	0.72686
16129257	ycjJ					0.409835										0.47		
16129258	b1297					0.419488											0.60	
16129259	ycjL					0.319239										1.57	0.65	1.11198
16129260	ycjC	b1299	185	945886	1787557	0.351146	35	9.88								1.08	0.36	0.72062
16129261	aldH	b1300	495	947003	1787558	0.472094	132	32.12							2.31			
16129262	ordL	b1301	426	945072	1787559	0.493623	132	38.49							3.21			
16129263	goaG	b1302	421	945446	1787560	0.489458	89	22.65							2.23	0.58	0.26	1.02397
16129264	pspF					0.377423									0.74	0.87	0.39	0.6665
16129265	pspA	b1304	222	945887	2367118	0.553327	102	27.99							2.33	1.77	1.31	1.80324
16129266	pspB	b1305	74	945893	1787563	0.371374	20	6.33							3.58	2.50	2.44	2.83806
16129267	pspC	b1306	119	945499	1787564	0.454855	33	5.74							1.17	0.86	0.65	0.89402
16129268	pspD	b1307	73	945635	1787565	0.373395	34	9.25							1.55	1.67	0.71	1.30864
16129269	pspE	b1308	104	945652	1787567	0.459518	35	8.65							1.53	1.18	0.83	1.17758
16129270	ycjM					0.333009										0.20		
16129271	b1310	b1310	430	945696	1787569	0.515589	115	35.7										
16129272	ycjO	b1311	293	945888	1787570	0.395538	53	13.97								0.36		

16129273	ycjP	b1312	280	945892	1787571	0.436316	43	8.92								0.99		
16129274	ycjQ	b1313	350	945971	1787572	0.516743	90	19.9										
16129275	b1314					0.55113												
16129276	ycjS	b1315	351	948589	1787574	0.468175	73	17.75										
16129277	ycjT	b1316	755	945895	1787575	0.396082	174	42.49										
16129278	ycjU	b1317	219	945891	1787576	0.385117	42	12.38										
16129279	ycjV	b1318	322	945890	1787577	0.391287	97	25.99										
16129280	ompG	b1319	301	945889	1787579	0.449527	64	19.77							0.33	0.34		0.33933
16129281	ycjW	b1320	332	945875	1787580	0.391577	79	22.57								0.62	0.34	0.48377
16129282	ycjX	b1321	465	945872	1787581	0.369868	140	36.82								1.10	0.71	0.90625
16129283	ycjF	b1322	353	945878	1787582	0.397039	106	25.84										
16129284	tyrR	b1323	513	945879	1787583	0.368436	150	43.29					575.31	0.018	2.05	1.03	0.83	1.3023
16129285	tpx	b1324	168	945880	1787584	0.618755	31	8.57	1	23.8	16	10163.69	23747.36	0.743	13.64	14.12	8.79	12.1838
16129286	ycjG					0.33795											0.62	
16129287	ycjI	b1326	262	945969	1787586	0.360591	51	13.59								0.49	0.69	0.58643
16129288	b1327	b1327	310	945988	1787587	0.435127	73	22.18									0.32	
16129289	ycjZ	b1328	299	945930	1787589	0.297209	103	25.43								0.40	0.25	0.3274
16129290	b1329					0.400047											0.57	
16129291	b1330	b1330	343	945898	1787591	0.423989	82	16.2							1.12	0.60	0.69	0.80406
16129292	trs5_4	b1331	338	945896	1787592	0.396422	118	27.04										
16129293	ynaJ	b1332	85	945901	1787593	0.387358	13	1.71								3.80		
16129294	ydaA	b1333	316	945904	1787594	0.44524	71	20.39	0.99	13	2	528.64				1.82		
16129295	fnr	b1334	250	945908	1787595	0.52677	84	16.37							7.07	4.12		5.59774
16129296	ogt	b1335	171	945853	1787596	0.340473	53	15.11							1.32	0.71		1.01738
16129297	ydaH					0.344												
16129298	b1337	b1337	481	945950	1787598	0.392082	87	21.22										
16129299	ydaJ					0.402497										1.05		
16129300	ydaK	b1339	302	945831	1787601	0.337656	84	23.37								0.39		
16129301	ydaL	b1340	187	945953	1787602	0.391046	70	17.45										
16129302	b1341					0.336891												
16129303	b1342	b1342	327	945910	1787604	0.356833	78	17.48										
16129304	dbpA	b1343	457	947153	1787605	0.362859	126	28.93							1.38	0.67		1.02637
16129305	ydaO	b1344	311	948967	1787606	0.492467	104	24.12								1.98	0.32	1.15062
16129306	b1345	b1345	411	946976	1787607	0.255784	168	38.7										
16129307	ydaQ					0.371164												
16129308	ydaC	b1347	69	947504	1787609	0.352884	39	6.53										
16129309	lar	b1348	64	945914	1787610	0.25895	24	5.37										
16129310	recT	b1349	269	945917	1787611	0.434521	95	23.21							0.32	0.39		0.35549
16129311	recE	b1350	866	945918	1787612	0.444742	208	56.53							0.43			
16129312	racC	b1351	91	945920	1787614	0.473127	32	7.7										
16129313	ydaD					0.332925												
16129314	sieB					0.284779									0.06			
16129315	b1354	b1354	58	945911	1787617	0.362753	12	2.75										
16129316	b1355					0.453244												
16129317	ydaR	b1356	158	945899	1787619	0.323439	61	11.92								1.64	1.10	1.36893
16129318	ydaS	b1357	98	945923	1787620	0.294154	36	9.34										
16129319	ydaT	b1358	140	945924	1787621	0.425426	48	14.7								0.83		
16129320	ydaU	b1359	285	945925	1787622	0.274469	102	23.3									0.27	
16129321	b1360	b1360	248	945926	1787623	0.38658	87	20.23									0.41	
16129322	ydaW					0.361949											0.30	
16129323	b1362					0.400346												
16129324	trkG	b1363	485	945932	1787626	0.248883	71	16.05							0.25	0.27	0.12	0.21407
16129325	b1364	b1364	93	945934	1787627	0.272955	23	4.3									0.24	
16129326	b1365	b1365	87	947417	1787628	0.403994	22	7.38										
16129327	ydaY	b1366	119	946208	1787629	0.393384	45	10.6										
16129328	b1367	b1367	77	945704	1787630	0.27679	13	4.86										
16129329	b1368	b1368	342	947543	1787631	0.322533	118	35.06										
16129330	b1369	b1369	51	946275	1787632	0.438277	17	4.95							0.26			
16129331	trs5_5	b1370	326	945944	1787634	0.42437	115	25.38								0.74		
16129332	b1371					0.335263												
16129333	b1372					0.363042												
16129334	ynaC	b1373	191	946062	1787637	0.400805	40	7.76										
16129335	b1374	b1374	196	948973	1787638	0.275803	79	17.81										
16129336	ynaE	b1375	88	946078	1787639	0.252837	35	11.55										
16129337	ynaF					0.398866										1.55	7.18	4.36452
16129338	b1377	b1377	377	946313	1787641	0.568486	77	22.85										
16129339	ydbK	b1378	1174	946587	1787642	0.465411	287	80.38								0.43	0.81	0.61846
16129340	hslJ	b1379	140	946525	1787644	0.483912	37	10.12							1.30	0.85	0.46	0.86796
16129341	ldhA	b1380	329	946315	1787645	0.572927	88	22.79	0.83	9.1	2	396.53			2.42	1.45	1.46	1.77451
16129342	ydbH	b1381	879	945949	1787646	0.360832	216	69.6								0.64	0.26	0.45034
16129343	ynbE	b1382	61	945946	1787647	0.482329	20	7.24								0.60	0.44	0.52118
16129344	ydbL					0.30511										0.88	0.53	0.70433
16129345	feaR	b1384	301	945941	1787649	0.33806	81	19.41									0.28	
16129346	feaB					0.352277												
16129347	tynA	b1386	757	945939	1787651	0.494406	189	57.45							0.28			
16129348	maoC	b1387	681	945954	1787653	0.394818	163	38.12										
16129349	ydbO	b1388	309	945833	1787654	0.43005	98	21.84										
16129350	ynbF	b1389	95	947595	1787655	0.438311	31	11.76								0.64		
16129351	ydbP	b1390	248	945956	1787656	0.428659	68	17.35										
16129352	b1391					0.398594											0.25	
16129353	b1392	b1392	356	945962	1787658	0.40742	110	26.33										
16129354	ydbS	b1393	255	946011	1787659	0.339564	58	14.42										
16129355	b1394	b1394	262	946263	1787660	0.359708	71	17.66	0.29	6.5	1						0.18	
16129356	ydbU	b1395	475	945940	1787661	0.364223	121	30.54										
16129357	b1396	b1396	140	945265	1787662	0.4365	17	5.52										
16129358	b1397	b1397	401	946121	1787663	0.363519	110	30.68									1.01	
16129359	b1398	b1398	437	945963	1787664	0.393995	132	32.41									0.44	
16129360	b1399	b1399	316	945966	1787666	0.363601	91	22.55									0.49	
16129361	b1400	b1400	196	945965	1787667	0.405913	49	14.73									0.61	
16129362	ydbA_1					0.426248												
16129363	yi22_2					0.290326										1.21		
16129364	yi21_2					0.252383												
16129365	tra8_2					0.233861												
16129366	ydbA_2					0.432922												
16129367	ydbC	b1406	286	945980	1787674	0.379327	52	19.02					1086.69	0.034		0.51	0.61	0.55955
16129368	ydbD					0.302591										0.45		
16129369	b1408					0.266393												
16129370	b1409	b1409	298	945972	1787677	0.266541	54	10.77										
16129371	b1410	b1410	585	945970	1787678	0.315681	172	52.41										
16129372	ynbD	b1411	430	945985	1787679	0.298126	92	18.14										
16129373	acpD	b1412	201	947569	1787680	0.571657	49	16.35	0.65	19.9	1	216.43			1.88	1.08	0.59	1.18383
16129374	hrpA					0.471585									3.32	1.76	1.24	2.10545
16129375	ydcF	b1414	266	946215	1787683	0.381606	52	14.65								0.99	0.85	0.91826
16129376	aldA	b1415	479	945672	1787684	0.434579	127	39.63	1	25.9	15	2060.53	3835.37	0.12	4.47	2.10	11.09	5.88784
16129377	cybB					0.335574									5.54	3.60	3.25	4.1296
16129378	ydcA	b1419	57	945986	1787688	0.335752	18	3.46								0.60	0.41	0.50685
16129379	-	b1420	55	948820	1787689	0.389907	8	2.44									0.97	
16129380	trg	b1421	546	945995	1787690	0.338882	148	48.01							1.41	2.69		2.0521

16129381	-					0.301486										0.70	
16129382	-	b1423	447	945991	1787692	0.36394	121	33.46								0.29	
16129383	ydcG					0.467601										0.35	
16129384	b1425	b1425	67	945996	1787694	0.377769	17	5.78									
16129385	ydcH					0.368779										0.57	
16129386	rimL	b1427	179	945998	1787697	0.406133	47	12.3						1.23	0.51	0.44	0.72374
16129387	-	b1428	326	944932	1787698	0.332049	62	15.15									
16129388	tehA	b1429	330	945852	1787699	0.344956	41	7.61						0.82	0.42	0.37	0.53702
16129389	tehB	b1430	197	945979	1787700	0.443979	64	20.01				831.00	0.026	2.45	0.84	0.81	1.36543
16129390	b1431	b1431	222	948203	1787701	0.502963	61	17.84								0.86	
16129391	b1432	b1432	402	944942	1787702	0.352958	176	38.12								0.41	
16129392	b1433					0.298926											
16129393	ydcN	b1434	178	946000	1787704	0.322438	30	9.97							0.28	0.26	0.26679
16129394	ydcP					0.434515									0.79	0.46	0.62225
16129395	-	b1436	76	945990	1787707	0.338683	23	7.13									
16129396	-	b1437	65	945989	1787708	0.307704	9	2.89									
16129397	-	b1438	145	946001	1787709	0.321275	28	8.55								0.67	
16129398	-	b1439	468	946004	1787710	0.351641	133	32.58									
16129399	b1440	b1440	381	946005	1787711	0.47885	103	31.23								0.75	
16129400	b1441	b1441	337	946007	1787712	0.390458	85	25.42								0.84	
16129401	b1442	b1442	313	945976	1787713	0.40092	28	8.67								0.48	
16129402	b1443	b1443	264	945903	1787714	0.349147	43	10.26								1.27	
16129403	b1444	b1444	474	945876	1787715	0.441452	117	28.2	0.24	24.3	1					0.93	
16129404	b1445					0.439884											
16129405	b1446	b1446	77	945916	1787717	0.443014	27	6.02								1.31	
16129406	b1447	b1447	149	946008	1787718	0.31437	17	3.61									
16129407	b1448	b1448	172	946010	1787719	0.365818	46	10.56								1.74	
16129408	yncB					0.378247										1.10	
16129409	b1450					0.314974											
16129410	b1451	b1451	700	946015	1787723	0.38095	183	53.01									
16129411	b1452	b1452	353	946006	1787724	0.48613	118	34.25				2077.49	0.065			3.07	
16129412	ansP					0.41782								0.24			
16129413	b1454	b1454	205	946023	1787726	0.321476	43	8.33									
16129414	b1455	b1455	70	946024	1787727	0.328355	17	4.07									
16129415	rhsE	b1456	682	946026	1787728	0.34535	201	59.3	0.32	5.7	1			0.23	0.19		0.20988
16129416	ydcD	b1457	160	946958	1787729	0.257824	54	11.43							0.40		
16129417	b1458	b1458	248	945202	1787731	0.301856	81	21.09									
16129418	b1459	b1459	66	945121	1787732	0.284915	32	7.52									
16129419	ydcC	b1460	378	947435	1787733	0.299959	147	34.94									
16129420	ydcE	b1461	77	945731	1787734	0.448344	18	4.78							0.62	1.98	1.29705
16129421	b1462					0.336441										0.33	
16129422	b1463	b1463	281	947251	1787736	0.347085	64	18.91	0.34	7.8	1					0.34	
16129423	yddE	b1464	297	944782	1787737	0.428409	60	14.8							0.81	0.53	0.66955
16129424	narV	b1465	226	946029	1787738	0.361707	45	9.99						0.44	0.47		0.45499
16129425	narW	b1466	231	946032	1787739	0.416166	57	19.12						1.01	0.69	0.37	0.69144
16129426	narY	b1467	514	946034	1787740	0.52052	165	43.9						0.65	0.39	0.34	0.46225
16129427	narZ	b1468	1246	945999	1787741	0.487751	329	94.11									
16129428	narU	b1469	462	945799	1787743	0.34405	69	15.27						0.72	0.94	0.41	0.69109
16129429	b1470	b1470	111	945955	1787744	0.313182	22	7.84									
16129430	b1471	b1471	318	947312	1787745	0.244232	53	14.47									
16129431	b1472	b1472	96	945737	1787746	0.430006	37	8.34									
16129432	yddG					0.301004									0.54	0.36	0.45087
16129433	fdnG	b1474	1015	946035	3868719	0.571661	287	82.3						0.53	0.89		0.70766
16129434	fdnH	b1475	294	948794	1787749	0.529712	82	19.38							1.06		
16129435	fdnI	b1476	217	946038	1787750	0.503203	69	9.77						0.27	0.47		0.3739
16129436	yddM					0.261191									0.82	0.53	0.67339
16129437	adhP					0.48361								3.80	0.80	2.98	2.52699
16129438	sfcA					0.50285								5.39	1.75	2.26	3.13421
16129439	rpsV	b1480	45	946030	1787755	0.461545	24	5.32						24.82	10.00	40.25	25.0221
16129440	b1481					0.333567								1.46	0.81	1.49	1.25375
16129441	osmC	b1482	143	946043	1787757	0.425097	37	10.56				2333.19	0.073	9.54	1.15	7.36	6.01918
16129442	b1483	b1483	308	946020	1787758	0.324838	85	21.6								0.31	
16129443	b1484	b1484	328	946002	1787759	0.369053	75	16.43	0.59	9.8	1						
16129444	b1485	b1485	298	946028	1787760	0.344385	55	12.44									
16129445	b1486	b1486	340	946044	1787761	0.342285	42	10.48								0.25	
16129446	b1487	b1487	516	946052	1787762	0.429596	156	49.43									
16129447	b1488	b1488	193	945532	1787763	0.413898	28	7.15								0.91	
16129448	b1489					0.417844											
16129449	b1490					0.354942										0.43	
16129450	b1491	b1491	439	945975	1787767	0.3636	128	41.61								0.32	
16129451	xasA	b1492	511	946057	1787768	0.434612	66	18.1						5.78	0.48	2.07	2.7769
16129452	gadB	b1493	466	946058	1787769	0.597163	121	29.78						8.97	0.27	4.95	4.72934
16129453	pqqL	b1494	931	946059	1787770	0.375019	273	87.82	0.82	12	4	203.33	767.07	0.024			
16129454	yddB	b1495	790	945961	1787771	0.418774	204	63.72									
16129455	yddA	b1496	561	945945	1787772	0.33639	163	42.24									
16129456	b1497					0.390911											
16129457	b1498					0.384286										0.82	
16129458	b1499	b1499	253	945922	1787776	0.348878	75	18.83									
16129459	b1500	b1500	65	946061	1787777	0.298333	17	3.06									
16129460	b1501	b1501	759	946055	1787778	0.372451	204	50.47									
16129461	b1502	b1502	304	946050	1787779	0.285522	50	17.28									
16129462	b1503	b1503	167	946049	1787780	0.329475	38	8.44									
16129463	b1504	b1504	176	946047	1787781	0.294098	37	8.72									
16129464	b1505	b1505	382	946042	1787782	0.334187	66	18.44									
16129465	b1506	b1506	59	946063	1787784	0.20189	20	2.91									
16129466	hipA	b1507	440	946064	1787785	0.299947	146	40.01						1.09	0.45	0.47	0.67036
16129467	hipB	b1508	88	946065	1787786	0.352079	23	6.73						1.99	0.96	0.86	1.26974
16129468	b1509	b1509	466	947796	1787787	0.415887	107	26.12								0.52	
16129469	ydeK	b1510	1325	947790	1787788	0.326303	178	49.17							0.64	0.51	0.57605
16129470	ydeV					0.361111										0.24	
16129471	ydeW	b1512	317	946070	1787791	0.34344	79	24.28							0.62	0.62	0.61889
16129472	b1513	b1513	511	945680	1787792	0.372656	154	40.95									
16129473	ydeY	b1514	342	946105	1787793	0.365056	62	13.29							0.85		
16129474	ydeZ	b1515	330	946264	1787794	0.333265	25	7.35									
16129475	b1516	b1516	340	945418	1787795	0.40844	94	21.97								0.60	
16129476	yneB	b1517	291	946071	1787796	0.414294	88	22.39									
16129477	b1518	b1518	96	946073	1787797	0.536214	31	12.05								0.27	
16129478	b1519	b1519	252	946074	1787798	0.39918	34	8.2								1.38	
16129479	b1520					0.347709								1.09	0.34		0.71265
16129480	uxaB					0.569864											
16129481	b1522	b1522	315	947422	1787802	0.366633	70	17.13									
16129482	b1523	b1523	119	946171	1787803	0.501251	42	11.17								0.26	
16129483	yneH	b1524	308	944973	1787804	0.372334	71	18.47							0.80	0.60	0.70106
16129484	b1525					0.449057										0.96	
16129485	yneJ	b1526	293	946079	1787806	0.393325	69	20.47									
16129486	b1527	b1527	371	946080	1787807	0.275606	99	29.97									
16129487	ydeA	b1528	396	947218	1787808	0.334172	41	10.37							1.06	0.32	0.69389
16129488	ydeB	b1529	221	947132	1787809	0.380966	37	7.92							0.75	0.38	0.56595

16129489	marR					0.440521									1.68	1.02	0.69	1.13112
16129490	marA					0.389656									2.22	1.18	1.45	1.61591
16129491	marB	b1532	72	946184	1787812	0.357957	2	0.88										
16129492	ydeD					0.347065										1.83	1.01	1.42061
16129493	ydeF	b1534	395	946083	1787815	0.36707	59	11.29	0.87	9.6	2	839.01				1.02	0.55	0.78213
16129494	ydeH	b1535	296	946075	1787816	0.32459	75	21.14									0.22	
16129495	ydeI	b1536	130	946068	1787817	0.397758	41	13.71									0.43	
16129496	ydeJ	b1537	172	946067	1787818	0.38125	37	11.12									0.33	
16129497	dcp	b1538	681	946084	1787819	0.400178	175	47.37	1	7.9	3	344.77			2.91	1.37	1.39	1.88819
16129498	ydfG	b1539	248	946085	1787820	0.466015	61	15.16	1	23.4	5	1795.49				3.14	4.22	3.67758
16129499	ydfH	b1540	228	946087	1787821	0.474406	73	19.79	0.87	8.3	3	717.97				1.19	0.57	0.87942
16129500	b1541	b1541	67	948796	1787822	0.657506	24	7.35									0.45	
16129501	ydfI	b1542	486	945861	1787823	0.383029	104	33.17								0.55	0.31	0.43148
16129502	b1543	b1543	427	944802	1787824	0.414239	87	18.93										
16129503	ydfK	b1544	88	947451	1787826	0.260388	36	11.56										
16129504	b1545	b1545	196	946088	1787827	0.27744	76	17.15										
16129505	ydfM	b1546	191	946060	2367120	0.400805	40	7.74								0.79		
16129506	b1547	b1547	320	946098	1787829	0.368442	42	10.5										
16129507	nohA	b1548	189	946021	1787830	0.351845	74	21.31							0.52			
16129508	ydfO					0.275671										0.07		
16129509	b1550					0.377221											0.27	
16129510	b1551					0.324774												
16129511	cspI	b1552	70	946099	1787834	0.488382	21	7.29							0.18			
16129512	b1553	b1553	165	946101	1787835	0.325158	61	12.63										
16129513	b1554	b1554	177	946100	1787836	0.438182	71	14.45										
16129514	b1555	b1555	103	946095	1787837	0.388482	39	13.15										
16129515	b1556					0.314644												
16129516	cspB	b1557	71	946091	1787839	0.431354	21	8.54	0.76	35.2	3	1453.41						
16129517	cspF	b1558	70	946090	1787840	0.33703	29	8.44										
16129518	b1559					0.328256												
16129519	b1560					0.366766												
16129520	rem	b1561	83	946109	1787844	0.302286	25	8.92							0.29			
16129521	relF	b1562	51	948616	1787845	0.2847	15	2.99							0.43	0.45	0.26	0.37954
16129522	relE	b1563	95	947549	1787846	0.313469	52	14							2.53	0.93	0.96	1.47453
16129523	relB	b1564	79	948308	1787847	0.394601	30	10.47							2.76	1.52	2.03	2.10168
16129524	b1565	b1565	101	948801	1787848	0.272264	27	7.66										
16129525	flxA	b1566	110	947392	1787849	0.352038	38	12.44							0.58	8.62		4.59709
16129526	b1567	b1567	49	946111	1787850	0.295839	27	6.39										
16129527	b1568	b1568	96	946112	1787851	0.342047	33	6.29										
16129528	dicC	b1569	76	946120	1787852	0.30158	35	10.89							0.18	0.29	0.14	0.20414
16129529	dicA	b1570	135	946241	1787853	0.259761	59	11.59							4.32	3.95	1.63	3.30261
16129530	ydfA	b1571	51	946082	1787854	0.537408	16	2.32								0.32		
16129531	ydfB					0.506589										0.26		
16129532	ydfC	b1573	72	946107	1787856	0.441308	24	8.29										
16129533	dicB	b1575	62	946110	1787857	0.314948	22	2.7							0.14			
16129534	ydfD	b1576	63	946102	1787858	0.40963	9	2.93										
16129535	ydfE	b1577	306	946113	1787859	0.428323	93	23.5										
16129536	b1578	b1578	218	946118	1787860	0.305657	81	19.43										
16129537	b1579	b1579	398	946130	1787861	0.311837	149	34.48										
16129538	rspB	b1580	339	946127	1787863	0.413382	79	19.07										
16129539	rspA	b1581	404	946126	1787864	0.473251	102	31.84										
16129540	b1582	b1582	108	946125	1787865	0.3205	19	2.92									0.79	
16129541	b1583	b1583	113	946119	1787866	0.449499	51	9.32									14.39	
16129542	speG	b1584	186	946117	1787867	0.43671	60	17.81							7.09	2.85	4.53	4.82252
16129543	ynfC					0.359017										0.32	0.42	0.36621
16129544	b1586					0.315635											1.53	
16129545	b1587	b1587	808	946135	1787870	0.437748	262	70.15	0.23	7.4	1							
16129546	b1588					0.409837												
16129547	b1589	b1589	205	945638	1787872	0.492095	51	12.92										
16129548	b1590	b1590	284	945822	1787873	0.354582	37	8.23									0.38	
16129549	b1591					0.420909											0.50	
16129550	b1592					0.316017												
16129551	b1593					0.388871												
16129552	mlc	b1594	406	945510	1787878	0.397909	96	30.24							1.10	0.35	0.36	0.60315
16129553	ynfL	b1595	297	946136	1787879	0.363741	77	27.96								1.00	0.54	0.76731
16129554	ynfM	b1596	417	946138	1787880	0.33799	65	13.33								0.53	0.28	0.40846
16129555	asr					0.531778									1.73	1.54	1.68	1.6504
16129556	b1598	b1598	273	946436	1787882	0.336555	60	13.91									0.64	
16129557	b1599	b1599	109	947333	1787883	0.366529	22	6.51										
16129558	b1600	b1600	121	946139	1787884	0.362034	21	5.26									0.38	
16129559	b1601	b1601	344	946142	1787885	0.325512	37	9.03										
16129560	pntB	b1602	462	946144	1787886	0.518798	65	19.07							9.21	6.41	4.07	6.56395
16129561	pntA	b1603	510	946628	1787887	0.450471	112	33.79							22.75	19.13	22.45	21.4429
16129562	b1604	b1604	314	945117	1787889	0.584262	109	33.51	1	25.8	4	649.83	8981.17	0.281			1.48	
16129563	b1605	b1605	460	945159	1787890	0.471013	58	10.77										
16129564	ydgB	b1606	240	949096	1787891	0.410911	63	16.08								0.95	0.52	0.73375
16129565	ydgC	b1607	111	945156	1787892	0.354992	19	4.38									0.72	
16129566	rstA	b1608	242	946199	1787893	0.377911	70	21.83							1.56	0.85	2.45	1.62161
16129567	rstB	b1609	433	948870	1787894	0.370098	111	34.9							0.98	0.68	1.04	0.89879
16129568	tus	b1610	309	945135	1787895	0.368272	118	34.38							0.84		0.42	0.6318
16129569	fumC	b1611	467	946147	1787896	0.431197	115	28.72							1.36	0.96	0.85	1.05642
16129570	fumA	b1612	548	946826	1787897	0.486416	162	44.33	1	13.3	7	859.63			4.91	2.88	5.01	4.26774
16129571	manA					0.459809									3.21	0.88	1.92	2.00372
16129572	ydgA	b1614	502	946172	1787900	0.464123	120	40.22					1598.07	0.05		1.80	4.71	3.25352
16129573	uidC					0.305877												
16129574	uidB	b1616	457	947484	1787902	0.392965	72	16.73										
16129575	uidA	b1617	603	946149	1787903	0.490362	128	29.73								1.28		
16129576	uidR	b1618	196	946150	1787904	0.359944	53	16.55							1.25	0.86	0.59	0.90074
16129577	hdhA	b1619	255	946151	1787905	0.440309	52	17.6					1949.65	0.061	5.85	1.83	3.51	3.73216
16129578	malI	b1620	342	947104	1787906	0.317354	89	25.15							0.55		0.25	0.39892
16129579	malX	b1621	530	946009	1787908	0.475318	79	17.11							0.74	0.40	0.40	0.51385
16129580	malY	b1622	390	945937	1787909	0.429789	89	21.92							0.60	0.30	0.29	0.39648
16129581	add	b1623	333	945851	1787910	0.451692	76	17.25					6967.60	0.218	1.73	0.85	1.08	1.21975
16129582	b1624					0.376816											1.13	
16129583	b1625	b1625	71	946152	1787912	0.447154	24	8.87									0.77	
16129584	b1626					0.3095											0.41	
16129585	b1627	b1627	193	946148	1787914	0.390774	29	7.03									0.47	
16129586	b1628	b1628	192	946146	1787915	0.456502	32	8.23									1.04	
16129587	b1629	b1629	740	946137	1787916	0.462485	259	67.86	0.73	9.7	2	117.13					1.01	
16129588	ydgO	b1630	352	946134	1787917	0.381289	44	7.79								1.03	0.67	0.85152
16129589	b1631	b1631	206	946158	1787918	0.403425	53	14.67									0.58	
16129590	ydgQ	b1632	231	947509	1787919	0.425722	43	8.07								1.84	1.22	1.52786
16129591	nth	b1633	211	947122	1787920	0.433484	73	16.41							0.71			
16129592	ydgR	b1634	500	947436	1787922	0.628043	80	16.01	0.94	9.6	6	1917.79				0.87	0.26	0.56717
16129593	gst	b1635	201	945758	1787923	0.447879	51	15.06							5.21	1.69	2.77	3.22444
16129594	pdxY	b1636	287	946162	1787924	0.478381	56	11.79					703.15	0.022	2.55		0.68	1.61898
16129595	tyrS	b1637	424	948855	1787925	0.589287	126	31.25	1	25.7	10	1742.06			6.49	3.59	2.96	4.34417
16129596	pdxH	b1638	218	946806	1787926	0.464669	87	26.74							5.01	3.16	2.10	3.42155

16129597	ydhA					0.415488												
16129598	b1640	b1640	369	946810	1787928	0.360872	68	17.84									0.55	
16129599	slyB					0.574411									16.93	9.88	19.86	15.5577
16129600	slyA					0.370203									5.30	3.65	3.92	4.29131
16129601	b1643	b1643	78	947559	1787931	0.345718	11	3.13									0.18	
16129602	b1644					0.388492												
16129603	b1645	b1645	670	946528	1787933	0.32888	152	39.99										
16129604	sodC	b1646	173	945343	1787934	0.431103	41	12.26	0.34	10.4	2				2.82	0.74	1.99	1.85101
16129605	b1647					0.452592											1.88	
16129606	b1648					0.273259												
16129607	b1649					0.441164												
16129608	nemA	b1650	365	946164	1787939	0.49779	96	32.99	0.84	10.7	2	277.23	1182.57	0.037	1.71	0.59	0.53	0.94721
16129609	gloA	b1651	135	946161	1787940	0.628495	43	11.87							6.73	3.86	3.73	4.77418
16129610	rnt	b1652	215	946159	1787941	0.492101	47	12					1374.34	0.043	2.77	1.23	1.06	1.68619
16129611	lhr	b1653	1538	946156	1787942	0.327253	457	134.54	0.65	5.2	1	26.30						
16129612	ydhD	b1654	115	946169	1787943	0.700049	32	8.17	1	21.7	7	4664.32	23427.74	0.733		15.12	8.11	11.6166
16129613	ydhO	b1655	271	945210	1787944	0.44089	142	22.6								0.87	0.56	0.71455
16129614	sodB	b1656	193	944953	1787946	0.633512	36	9.98	1	38.9	36	19637.41	22756.55	0.712	18.21	16.37	15.54	16.7061
16129615	b1657	b1657	389	947340	1787947	0.367035	50	9.82										
16129616	purR	b1658	341	945226	1787948	0.537475	107	30.84	1	30.2	8	1412.17	1502.19	0.047	4.31	2.20	1.65	2.7217
16129617	ydhB	b1659	310	945208	1787949	0.354203	78	21.17								0.81	0.52	0.66524
16129618	ydhC					0.414948											0.20	
16129619	cfa	b1661	382	944811	1787951	0.428713	110	31.95							8.23	2.30	3.71	4.74699
16129620	ribE	b1662	213	945848	1787952	0.403405	57	15.75					894.92	0.028	2.96	1.72	0.78	1.81994
16129621	ydhE					0.431798										0.96	0.49	0.72069
16129622	b1664	b1664	418	944851	1787954	0.356248	65	18.46									1.15	
16129623	b1667	b1667	101	946177	1787956	0.367094	22	8.14					15469.34	0.484			5.38	
16129624	b1668	b1668	534	945786	1787957	0.332964	147	40.02									0.53	
16129625	b1669	b1669	270	945960	1787958	0.331999	70	17.72										
16129626	ydhU	b1670	261	945608	1787959	0.311916	49	8.71										
16129627	b1671					0.378345											0.20	
16129628	b1672	b1672	215	947180	1787961	0.392494	44	11.85									0.18	
16129629	b1673	b1673	700	948756	1787962	0.437924	214	55.87										
16129630	b1674	b1674	208	948749	1787963	0.388375	59	13.04										
16129631	b1675	b1675	69	946180	1787964	0.395552	34	7.07									0.48	
16129632	pykF	b1676	470	946179	1787965	0.754868	149	38.6	1	34.7	25	3525.86	3100.26	0.097	9.23	7.33	4.95	7.16726
16129633	lpp	b1677	78	946175	1787967	0.870006	27	6.86							30.26	91.88	68.67	63.6042
16129634	ynhG	b1678	334	946174	1787968	0.3113	84	22.92								0.78	1.33	1.05295
16129635	ynhA	b1679	138	946173	1787969	0.394627	43	9.57								0.33	0.78	0.55371
16129636	b1680	b1680	406	946185	1787970	0.397153	74	20.37									1.30	
16129637	ynhC	b1681	423	944878	1787971	0.40817	100	25.04	0.21	5.2	1						2.39	
16129638	ynhD	b1682	248	946128	1787972	0.378719	70	21.82					1374.34	0.043		0.73	2.18	1.45497
16129639	ynhE					0.449364										0.95	2.57	1.75805
16129640	ydiC	b1684	122	949014	1787974	0.418783	27	8.45	0.22	24.6	1					1.26	4.14	2.69992
16129641	b1685	b1685	89	946194	1787975	0.394916	26	11.31									1.71	
16129642	b1686	b1686	136	946190	1787976	0.339186	39	7.95									1.22	
16129643	ydiJ	b1687	1018	946189	1787977	0.400377	297	82.47								3.10	2.24	2.66677
16129644	b1688	b1688	370	946183	1787979	0.402222	43	8.04									0.55	
16129645	b1689					0.381277												
16129646	b1690	b1690	404	946196	1787981	0.337726	56	8.73										
16129647	b1691					0.380573												
16129648	ydiB	b1692	288	946200	1787983	0.368926	68	20.21										
16129649	aroD	b1693	252	946210	1787984	0.488675	68	24.16					1406.30	0.044	2.49	2.00	1.13	1.87444
16129650	ydiF	b1694	531	946211	1787985	0.397856	145	41.18										
16129651	b1695					0.486773												
16129652	b1696	b1696	303	945095	1787987	0.331181	94	22.67							0.24			
16129653	ydiQ	b1697	254	946482	2367123	0.426365	50	11.99								0.51	0.25	0.37851
16129654	ydiR	b1698	312	945688	1787990	0.464144	73	17.33										
16129655	ydiS	b1699	429	946212	1787991	0.436233	105	30.28										
16129656	ydiT	b1700	97	946214	1787992	0.450619	20	4.81										
16129657	ydiD					0.364784										0.70	0.22	0.46164
16129658	ppsA	b1702	792	946209	1787994	0.557484	214	56.04	1	7.3	6	582.86			4.33	2.41	3.57	3.43642
16129659	ydiA	b1703	277	946207	1787995	0.396441	73	17.95					767.07	0.024		1.39	1.59	1.49317
16129660	aroH	b1704	348	946229	1787996	0.412365	104	26.28							3.46	1.18	0.79	1.81048
16129661	ydiE	b1705	63	946205	1787998	0.373022	26	8.92								0.39		
16129662	b1706	b1706	478	946219	1787999	0.343067	123	40.08									1.75	
16129663	b1707	b1707	237	946217	1788000	0.267423	43	12.86									0.19	
16129664	nlpC	b1708	154	946220	1788001	0.35684	45	13.68							2.35	1.21	1.02	1.52546
16129665	btuD	b1709	249	945751	1788002	0.332809	65	18.71							1.31		1.26	1.28583
16129666	btuE	b1710	183	945915	1788003	0.42753	50	17.16					2045.53	0.064	2.58	1.12	3.02	2.23984
16129667	btuC	b1711	326	945877	1788004	0.31755	46	7.64							1.25			
16129668	himA	b1712	99	945472	1788005	0.362053	47	13.51	1	31.3	7	2820.69			10.54	13.65	5.57	9.92072
16129669	pheT	b1713	795	945382	1788006	0.593521	241	64.91	1	12.2	19	1593.51			15.64	10.26	12.97	12.9557
16129670	pheS	b1714	327	946223	1788007	0.603303	93	29.65	1	14.7	11	2019.67	3931.26	0.123	7.75	3.69	5.10	5.5132
16129671	pheM	b1715	14	947212	1788008	0.591546	3	1.98							0.47	1.02		0.74852
16129672	rplT	b1716	118	945152	1788009	0.747082	75	13.07	1	22.9	12	4998.25			10.27	19.68	6.02	11.9893
16129673	rpmI					0.767792									21.22	32.57	24.16	25.9863
16129674	infC	b1718	180	946225	1788012	0.458139	85	15.87	1	37.8	16	5488.52			26.97	48.50	42.41	39.2947
16129675	thrS	b1719	642	946222	1788013	0.561314	221	52.97	1	12.1	8	822.19			17.35	11.32	10.23	12.9667
16129676	b1722	b1722	252	946218	1788016	0.412446	51	15.83										
16129677	pfkB					0.39469									4.65	1.02	5.27	3.64487
16129678	b1724	b1724	96	946232	1788018	0.318772	13	4.19									4.70	
16129679	b1725	b1725	286	946236	1788019	0.39699	53	17.74									1.19	
16129680	b1726	b1726	178	945140	1788020	0.353426	35	7.98									0.65	
16129681	yniC	b1727	222	945632	1788021	0.365741	61	22.98	0.48	17.1	2					1.68	1.35	1.51098
16129682	b1728					0.354877												
16129683	b1729	b1729	463	946238	1788024	0.514337	69	20.54									3.37	
16129684	b1730	b1730	271	946237	1788025	0.232633	57	14.82										
16129685	b1731	b1731	87	946235	1788026	0.411306	34	11.32									0.17	
16129686	katE					0.469816									5.43		3.48	4.45375
16129687	ydjC	b1733	249	946231	1788028	0.351579	59	13.93								0.47	0.27	0.36812
16129688	celF	b1734	450	946266	1788029	0.455514	142	37.93							1.02		0.38	0.70197
16129689	celD	b1735	280	946247	1788030	0.358742	88	25.34							0.49			
16129690	celC	b1736	116	946244	1788031	0.454208	30	9.75							1.03	0.58	0.31	0.63987
16129691	celB	b1737	452	945982	1788032	0.420784	45	13.12							0.26			
16129692	celA	b1738	106	945339	1788034	0.446515	30	7							1.92	1.83	1.02	1.59281
16129693	osmE	b1739	112	945305	1788035	0.530832	28	5.37							8.22	0.80	3.52	4.17833
16129694	nadE	b1740	275	946946	1788036	0.438387	79	20.19	0.92	15.3	4	992.26			6.81	3.05	3.65	4.50313
16129695	b1741	b1741	295	948996	1788037	0.308015	102	24.08							0.87		0.27	0.56865
16129696	b1742					0.383555												
16129697	spy	b1743	161	946253	1788039	0.710125	63	15.57							1.16	0.54	0.83	0.84208
16129698	ydjS	b1744	322	946256	1788040	0.352762	81	24.57										
16129699	b1745	b1745	447	946259	1788041	0.381444	107	28.91							0.76			
16129700	b1746	b1746	492	946260	1788042	0.37777	93	22.78	0.22	10	1						0.30	
16129701	b1747	b1747	344	946261	1788043	0.412172	103	24.17									0.48	
16129702	cstC	b1748	406	946255	1788044	0.459217	97	26.48							1.44		0.53	0.98553
16129703	xthA	b1749	268	946254	1788046	0.501415	84	24.75					2365.15	0.074	4.38	1.91	1.98	2.7558
16129704	ydjX					0.309486										0.34	0.17	0.25701

16129705	ydjY					0.42184												
16129706	ydjZ	b1752	235	946269	1788049	0.36526	46	9										
16129707	ynjA	b1753	182	946270	1788050	0.385554	55	18.88								0.84		
16129708	b1754					0.373004											0.47	
16129709	b1755					0.340123												
16129710	b1756	b1756	217	944965	1788053	0.315101	57	16.33									0.20	
16129711	b1757					0.478993							6168.56	0.193			0.76	
16129712	b1758					0.310323											0.25	
16129713	b1759	b1759	135	946277	1788056	0.35663	28	5.78									0.39	
16129714	b1760	b1760	90	946279	1788057	0.361089	14	3.63										
16129715	gdhA	b1761	447	946802	1788059	0.526003	120	36.58	1	45.9	48	7143.48	6296.41	0.197	9.58	14.59	3.48	9.21726
16129716	b1762					0.298345												
16129717	topB	b1763	653	946141	1788061	0.418076	225	68.26							1.41			
16129718	selD	b1764	347	946768	1788062	0.495672	77	20.3	0.97	29.4	5	1300.64	383.54	0.012	5.01	1.86	3.04	3.3041
16129719	ydjA	b1765	183	945964	1788063	0.463007	57	19.64	1	14.2	4	1108.74	1086.69	0.034		2.95	3.51	3.22993
16129720	sppA	b1766	618	946281	1788064	0.489722	164	49.44							1.97	1.04	0.83	1.27832
16129721	ansA	b1767	338	946278	1788065	0.4253	60	15.7					2492.99	0.078	4.21	1.68	2.17	2.68866
16129722	ydjB					0.411603										1.52	1.24	1.3808
16129723	ydjE	b1769	452	946274	1788068	0.278835	93	21.82								0.27		
16129724	b1770	b1770	252	946272	1788069	0.342135	88	24.84										
16129725	b1771	b1771	326	946283	1788070	0.367029	91	23.12										
16129726	b1772					0.344094												
16129727	b1773	b1773	278	946291	1788072	0.454528	59	13.67										
16129728	ydjJ	b1774	347	946292	1788073	0.432859	99	24.91								0.19	0.22	0.20803
16129729	b1775	b1775	459	946293	1788074	0.309649	83	16.52										
16129730	b1776	b1776	358	946299	1788075	0.470955	94	22.37										
16129731	b1777					0.409266											6.41	
16129732	yeaA	b1778	137	947188	1788077	0.442289	34	8.25	0.76	32.1	6	3009.01				7.42	14.62	11.0183
16129733	gapA	b1779	331	947679	1788079	0.862288	109	29.72	1	58.6	268	49090.58	41038.50	1.284	33.24	58.51	51.46	47.7339
16129734	yeaD					0.491905							2908.49	0.091		2.16	1.69	1.92687
16129735	b1781	b1781	284	946302	1788081	0.335722	62	13.06									0.34	
16129736	yeaF	b1782	248	946301	1788082	0.630492	57	15.22								9.94	11.42	10.6767
16129737	yeaG	b1783	644	946297	1788083	0.437125	222	58.81								1.14	4.78	2.95974
16129738	yeaH	b1784	427	946296	1788084	0.451601	148	36.98									0.45	
16129739	yeaI	b1785	491	946366	1788085	0.329244	103	25.39										
16129740	yeaJ					0.346474										0.57	0.32	0.44485
16129741	yeaK	b1787	167	946303	1788087	0.374831	47	14.58								1.30	1.38	1.34064
16129742	b1788					0.347318												
16129743	yeaL	b1789	148	946307	1788090	0.33744	15	5.09										
16129744	yeaM	b1790	273	946590	1788091	0.281966	66	18.78										
16129745	yeaN	b1791	393	946309	1788092	0.306743	51	10.44								0.53	0.27	0.40326
16129746	yeaO					0.419289										1.06	1.13	1.09737
16129747	yoaF	b1793	84	946310	1788094	0.42188	12	3.12								1.50	1.02	1.26085
16129748	yeaP					0.344179										1.28	0.37	0.82485
16129749	yeaQ	b1795	82	946311	1788096	0.359287	15	3.2								3.27	2.49	2.88012
16129750	yoaG	b1796	60	946314	1788097	0.481991	9	1.85										
16129751	yeaR	b1797	119	946317	1788098	0.380544	25	8.49									0.41	
16129752	yeaS	b1798	212	946157	1788099	0.367203	45	12.37										
16129753	yeaT					0.342908											0.58	
16129754	yeaU	b1800	361	946319	1788101	0.426241	91	24.39										
16129755	yeaV	b1801	481	947326	1788102	0.440055	61	12.58										
16129756	yeaW	b1802	374	946325	1788103	0.520906	88	18.94								0.53	0.24	0.38437
16129757	yeaX	b1803	321	946329	1788104	0.347092	78	20.02								0.66	0.24	0.45002
16129758	rnd	b1804	375	946328	1788105	0.421079	95	27.9							1.18	0.74	0.52	0.81018
16129759	fadD	b1805	561	946327	1788107	0.453156	152	35.89							1.16	0.67	0.65	0.82735
16129760	b1806	b1806	193	946312	1788108	0.413838	48	16.86									0.43	
16129761	yeaZ	b1807	231	946304	1788109	0.448462	50	9.98					2972.41	0.093		1.39	1.33	1.35619
16129762	b1808	b1808	636	946305	1788110	0.386093	182	54.96									0.31	
16129763	b1809					0.522237											5.51	
16129764	b1810	b1810	119	946308	1788112	0.3532	40	12.68									1.51	
16129765	b1811	b1811	59	946346	1788113	0.445171	15	4.23									1.20	
16129766	pabB	b1812	453	946337	1788114	0.419721	106	28.3							2.07	0.99	0.59	1.21747
16129767	yeaB	b1813	192	946330	1788115	0.370831	41	12.62								1.07	0.59	0.83267
16129768	sdaA	b1814	454	946331	1788116	0.540085	102	23.95										
16129769	b1815					0.354806												
16129770	yoaE	b1816	518	946335	1788119	0.459315	96	22.08										
16129771	manX	b1817	323	946334	1788120	0.521977	104	30.48					1885.73	0.059	19.26	5.67	6.89	10.6072
16129772	manY	b1818	266	946332	1788121	0.628893	12	3.61							19.19	8.32	7.81	11.7729
16129773	manZ					0.610519									3.63	1.42	1.14	2.06293
16129774	b1820	b1820	152	946343	1788123	0.349678	44	10.86										
16129775	b1821					0.402983												
16129776	yebH	b1822	269	946340	1788125	0.362713	76	20.34								1.02	0.58	0.79941
16129777	cspC	b1823	69	946339	1788126	0.743906	20	6.88	1	78.3	51	40354.68	11761.81	0.368	25.86	72.32	38.30	45.4898
16129778	b1824	b1824	47	946338	1788127	0.390394	15	2.54							29.34	57.97	34.42	40.5781
16129779	b1825	b1825	95	946350	1788128	0.374343	30	6.89									0.20	
16129780	b1826	b1826	47	946351	1788130	0.440544	6	0.38									2.75	
16129781	b1827	b1827	263	946129	1788131	0.423973	95	32	0.79	17.5	1	134.40					0.71	
16129782	b1828					0.338889												
16129783	htpX	b1829	293	946076	1788133	0.505385	60	15.76							4.26	2.06	3.76	3.36298
16129784	prc	b1830	682	946096	1788134	0.481325	250	65.22					2365.15	0.074	3.83	2.57	1.70	2.69612
16129785	-					0.327957											5.06	
16129786	-	b1833	427	946353	1788137	0.34824	104	20.11									0.27	
16129787	-					0.421045											0.30	
16129788	yebU					0.380176										0.64		
16129789	-					0.387458											3.71	
16129790	-					0.443766											0.73	
16129791	pphA					0.356225												
16129792	-	b1839	113	947014	1788144	0.367203	30	7.03									1.56	
16129793	-	b1840	290	947078	1788145	0.344716	47	11.04									1.64	
16129794	-	b1841	124	948315	1788146	0.376872	28	4.3									2.82	
16129795	holE	b1842	76	947471	1788147	0.371378	33	11.4							4.08	3.64	1.56	3.09472
16129796	-	b1843	218	948329	1788148	0.3173	60	17.37									0.37	
16129797	-	b1844	220	946361	1788149	0.442288	53	12.57									1.09	
16129798	ptrB	b1845	686	946358	1788150	0.420061	188	52.5							0.81	0.35	0.32	0.49183
16129799	yebE	b1846	219	946355	1788151	0.424442	66	19.71									0.95	
16129800	yebF	b1847	122	946363	1788152	0.388298	45	12.57								2.39	5.14	3.76393
16129801	yebG	b1848	96	946364	1788153	0.478654	29	8.07								3.43	2.86	3.14596
16129802	purT	b1849	392	946368	1788155	0.420841	93	25.18	1	27.6	13	2810.61			6.26	2.33	2.30	3.63196
16129803	eda	b1850	213	946367	1788156	0.66427	57	15.52	0.3	19.2	1		5241.68	0.164	5.19	2.95	2.28	3.47443
16129804	edd	b1851	603	946362	1788157	0.460487	147	37.04							8.84	6.78	6.06	7.22777
16129805	zwf	b1852	491	946370	1788158	0.528693	164	44.03								2.73	3.01	2.87243
16129806	yebK	b1853	289	946373	1788159	0.368682	92	25.21								1.21	1.49	1.35004
16129807	pykA	b1854	480	946527	1788160	0.534976	160	41.56	0.99	16.2	3	389.04			3.99	1.88	2.22	2.69519
16129808	msbB	b1855	323	945143	1788161	0.401095	117	29.65							3.04	1.15	0.95	1.71206
16129809	yebA					0.457121											0.62	
16129810	yebL					0.335137										2.07	1.94	2.00484
16129811	yebM	b1858	251	946374	1788165	0.349111	77	22.04								0.85	0.31	0.57561
16129812	yebI	b1859	261	946372	1788166	0.366332	32	6.28								1.49	0.52	1.00552

16129813	ruvB	b1860	336	946371	1788167	0.454957	100	32							1.79		0.79	1.29122
16129814	ruvA	b1861	203	946369	1788168	0.420048	59	9.93							3.67	1.55	1.68	2.30005
16129815	yebB					0.30638												
16129816	ruvC	b1863	173	946378	1788170	0.444062	50	13.87							4.26	1.88	1.42	2.52156
16129817	yebC	b1864	246	946379	1788171	0.712224	79	17.28					6104.64	0.191		5.11	3.98	4.54511
16129818	ntpA	b1865	150	946383	1788172	0.401356	46	13.38							8.29	4.93	4.06	5.7601
16129819	aspS	b1866	590	946385	1788173	0.677145	195	58.49	1	21	18	1675.34			8.90	5.89	4.37	6.38511
16129820	yecD					0.372062										1.01	1.19	1.10055
16129821	yecE	b1868	272	946382	1788175	0.360118	72	22.01								0.46	0.37	0.41648
16129822	yecN					0.438955										2.56	2.41	2.48838
16129823	yecO	b1870	247	946380	1788177	0.489938	66	21.85					1054.73	0.033		1.17	1.24	1.20619
16129824	yecP	b1871	323	946387	1788178	0.4464	91	30.73									0.45	
16129825	bisZ					0.477482												
16129826	yecK	b1873	366	946490	1788181	0.385854	97	26.04										
16129827	yecM					0.39022										1.41	1.40	1.40372
16129828	argS	b1876	577	946452	1788184	0.599553	175	57.51	1	12.7	6	567.96			2.47	0.86	0.86	1.39633
16129829	yecT					0.296928												
16129830	flhE	b1878	130	946094	1788186	0.228967	31	10.85								1.38		
16129831	flhA	b1879	692	946390	1788187	0.3627	132	39.25										
16129832	flhB	b1880	382	946391	1788188	0.39088	108	26.23								2.25		
16129833	cheZ	b1881	214	946392	1788190	0.393143	51	17.96								5.35		
16129834	cheY	b1882	129	946393	1788191	0.409376	40	8.97					7319.17	0.229		12.63		
16129835	cheB	b1883	349	946394	1788192	0.393631	95	28.64								5.19	0.25	2.72316
16129836	cheR	b1884	286	946396	1788193	0.37796	86	25.71							0.68	4.14		2.40951
16129837	tap	b1885	533	946397	1788194	0.382745	106	29.1								5.87		
16129838	tar	b1886	553	946399	1788195	0.418309	136	43.86					1470.23	0.046		17.58		
16129839	cheW	b1887	167	946400	1788196	0.387427	31	10.5							0.62	15.86		8.24206
16129840	cheA	b1888	654	946401	1788197	0.379663	173	49.17					383.54	0.012		9.75		
16129841	motB	b1889	308	946402	1788198	0.355098	95	28.57								6.57		
16129842	motA	b1890	295	947564	1788199	0.402074	55	15.36							0.23	5.46	0.14	1.93964
16129843	flhC	b1891	192	947280	1788201	0.401846	54	11.94							1.13	3.49	0.29	1.63412
16129844	flhD					0.361507									2.26	8.87	1.01	4.04714
16129845	insB_5	b1893	167	945867	1788203	0.325832	67	18.65										
16129846	insA_5	b1894	91	945800	1788204	0.397536	31	7.36							1.22	1.84		1.52976
16129847	yecG	b1895	142	946404	1788205	0.321272	26	7.22									0.20	
16129848	otsA	b1896	474	946405	1788206	0.39075	143	41.99							2.21		0.95	1.57683
16129849	otsB	b1897	266	946406	1788207	0.3456	58	16.83							5.45	0.99	5.01	3.81601
16129850	araG	b1900	504	946408	1788210	0.422183	138	37.68							0.50	0.40	0.20	0.36809
16129851	araF	b1901	329	946409	1788211	0.571381	108	33.19	0.39	11.2	1				0.26		0.29	0.2783
16129852	yecI	b1902	167	946407	1788212	0.459744	42	16.09									1.05	
16129853	b1903	b1903	112	946388	1788213	0.404551	28	6.6										
16129854	b1904	b1904	107	946386	1788215	0.324405	17	4.03										
16129855	ftn	b1905	165	946410	1788216	0.548267	34	9.35							5.82	7.21	3.56	5.53135
16129856	yecH	b1906	79	946411	1788217	0.440856	21	3.92										
16129857	tyrP	b1907	403	946412	1788218	0.355722	41	6.61							0.65	0.80	0.20	0.55118
16129858	yecA	b1908	221	945061	1788219	0.426446	46	10.88								1.63	0.84	1.23421
16129859	pgsA	b1912	182	945791	1788220	0.412152	33	7.59							1.62	1.14	0.78	1.18116
16129860	uvrC					0.419117									2.60	1.32	0.88	1.59918
16129861	uvrY	b1914	218	946424	1788222	0.380368	69	19.1							7.12	5.41	2.56	5.03082
16129862	yecF	b1915	74	946420	1788223	0.495757	23	4.43										
16129863	sdiA	b1916	240	946421	1788224	0.380863	72	16.67							0.89	0.51	0.30	0.56895
16129864	yecC	b1917	250	946422	1788225	0.411339	85	22.77								2.10	1.14	1.61689
16129865	yecS	b1918	222	949105	1788226	0.404358	43	12.27								1.52	1.36	1.43939
16129866	yedO					0.386466										2.25	2.38	2.31267
16129867	fliY	b1920	266	948833	1788228	0.524979	91	33.35	1	41	17	2775.01	6871.71	0.215	14.87	14.14	6.88	11.9661
16129868	fliZ					0.371626									0.40	11.11	0.16	3.88976
16129869	fliA					0.35727									0.43	18.44		9.43617
16129870	fliC	b1923	498	949101	1788232	0.54609	104	34.64	0.38	8.8	2		59576.14	1.864	1.01	62.02	0.49	21.1751
16129871	fliD	b1924	468	946428	1788233	0.414674	87	27.38	0.61	13.9	1	121.29			0.33	11.29		5.81152
16129872	fliS	b1925	136	946429	1788234	0.352147	32	11.58							0.55	6.30		3.4273
16129873	fliT	b1926	121	946433	1788235	0.411535	22	5.7							0.97	6.27		3.62041
16129874	amyA	b1927	495	946434	1788236	0.447491	108	26.44	0.35	2.2	4				5.32	1.53	1.70	2.85242
16129875	yedD	b1928	137	949082	1788237	0.464389	39	12.83								2.69	2.57	2.63115
16129876	yedE	b1929	401	945192	1788238	0.506117	86	18.77	0.26	8	2					2.07	4.56	3.3165
16129877	yedF	b1930	77	946909	1788239	0.435979	16	4.07								1.90	3.42	2.65771
16129878	yedK					0.374939										1.16	0.40	0.77982
16129879	yedL	b1932	159	946437	1788242	0.311213	43	11.89								1.89	0.27	1.07938
16129880	b1933					0.336098												
16129881	yedN					0.255333												
16129882	yedM	b1935	116	946444	1788245	0.260698	26	9.64								0.42		
16129883	b1936	b1936	92	946445	1788246	0.306491	24	10.25										
16129884	fliE	b1937	104	946446	1788247	0.390114	20	7.88								5.84		
16129885	fliF	b1938	552	946448	1788248	0.430432	156	47.68							0.88	6.12	0.37	2.45723
16129886	fliG	b1939	331	946451	1788249	0.484738	99	30.29							0.63	4.93		2.77777
16129887	fliH					0.37415									0.33	1.81		1.07191
16129888	fliI	b1941	457	946457	1788251	0.403029	131	44.93								2.81		
16129889	fliJ	b1942	147	946454	1788252	0.453797	58	16.38								3.61		
16129890	fliK	b1943	375	946449	1788253	0.372986	45	13.38							0.33	2.51		1.42104
16129891	fliL	b1944	154	946443	1788254	0.385298	47	15.08								6.17		
16129892	fliM	b1945	334	946442	1788255	0.441314	87	24.31	0.36	6.6	2		767.07	0.024		5.14	0.28	2.71012
16129893	fliN	b1946	137	946423	1788256	0.456413	33	5.93							0.40	4.40		2.39701
16129894	fliO					0.3302									0.22	2.32		1.26717
16129895	fliP	b1948	245	946462	1788259	0.366708	35	11.36								1.98		
16129896	fliQ	b1949	89	946463	1788260	0.359981	7	3.04								1.75		
16129897	fliR	b1950	261	946464	1788261	0.370319	17	4.07								0.88		
16129898	rcsA	b1951	207	946467	1788262	0.298377	57	13.29							0.26	0.68		0.46964
16129899	dsrB	b1952	62	946468	1788263	0.451746	13	1.36							2.28	2.82	0.68	1.92693
16129900	b1953					0.472667											0.72	
16129901	b1955	b1955	271	946472	1788265	0.362106	61	17.86									1.25	
16129902	b1956					0.367588												
16129903	b1957	b1957	60	946466	1788267	0.402644	17	5.68							2.09	0.76	1.02	1.29
16129904	yedI	b1958	305	946465	1788268	0.355322	66	15.78								1.89	1.31	1.59824
16129905	yedA	b1959	306	946461	1788269	0.352033	36	7.71										
16129906	vsr	b1960	156	946476	1788270	0.380269	60	12.06							0.92	0.56	0.26	0.57852
16129907	dcm	b1961	472	946479	1788271	0.435313	160	42.94							1.52	0.46	0.51	0.82931
16129908	yedJ	b1962	231	946478	1788273	0.411691	61	19.34								1.03	0.61	0.81973
16129909	b1963					0.296374											0.31	
16129910	b1964					0.548692											0.18	
16129911	b1965					0.391884												
16129912	b1966					0.644561											0.19	
16129913	yedU	b1967	283	946481	1788278	0.478078	66	16.19					703.15	0.022		1.09	4.23	2.66144
16129914	yedV	b1968	452	946487	1788279	0.231077	140	40.55								0.16		
16129915	yedW					0.252117										0.89	0.70	0.79496
16129916	b1970	b1970	137	946485	1788281	0.289611	37	8.48									0.31	
16129917	b1971	b1971	334	946484	1788282	0.405508	98	28.92									0.51	
16129918	b1972	b1972	211	946483	1788283	0.309249	63	12.55									0.18	
16129919	b1973	b1973	216	946480	1788284	0.352993	65	15.77										
16129920	yodB					0.330352										0.32		

16129921	b1976					0.342296											2.39	
16129922	b1978					0.359614												
16129923	b1979					0.252955												
16129924	b1980					0.278273												
16129925	shiA	b1981	438	946495	1788292	0.339027	65	12.38						1.25	0.74	0.53	0.8412
16129926	amn	b1982	484	946508	1788293	0.365398	109	29.31						2.71	1.58	1.59	1.95823
16129927	b1983	b1983	238	946493	1788294	0.424859	69	16.1								0.79	
16129928	yeeO	b1985	547	946506	2367126	0.279017	107	18.14									
16129929	cbl	b1987	316	946502	1788296	0.294427	93	28.73						1.83	2.09	0.62	1.51361
16129930	nac	b1988	305	946501	1788297	0.30197	63	15.84						0.86	0.99		0.92663
16129931	erfK	b1990	310	945273	1788299	0.341714	80	26.88						0.85	0.58	0.37	0.60123
16129932	cobT	b1991	359	946517	1788300	0.326864	59	15.37						3.19	2.02	0.90	2.03779
16129933	cobS	b1992	247	946520	1788301	0.359663	52	14.9						2.80	1.77	1.61	2.06358
16129934	cobU	b1993	181	946519	1788302	0.341542	41	8.3						1.26		0.52	0.89071
16129935	trs5_6	b1994	338	946507	1788303	0.40039	115	24.88									
16129936	b1995					0.271139								0.34	0.21	0.18	0.24235
16129937	yi22_3	b1996	301	946403	1788305	0.290326	121	31.49									
16129938	yi21_3					0.25793											
16129939	b1998	b1998	86	946522	1788307	0.399078	17	6.68								0.34	
16129940	yeeP					0.358879									0.81		
16129941	flu					0.395841								3.96		0.70	2.33186
16129942	b2001					0.360166											
16129943	yeeS	b2002	148	946514	1788312	0.405343	47	13.32	0.24	15.5	2				0.62		
16129944	yeeT	b2003	73	946513	1788313	0.523393	28	9.02									
16129945	yeeU	b2004	122	946510	1788314	0.360075	26	8.17									
16129946	yeeV	b2005	124	946534	1788315	0.368921	33	8.34									
16129947	yeeW	b2006	64	946535	1788316	0.509837	9	3.75							0.45		
16129948	yeeX					0.569911									13.99	11.13	12.5594
16129949	yeeA	b2008	352	946545	1788318	0.37474	82	20.57							0.92	1.35	1.13517
16129950	sbmC	b2009	157	946546	1788319	0.434116	26	7.8						3.05	1.03	1.35	1.81151
16129951	dacD					0.394765								1.07	0.59	0.29	0.64968
16129952	sbcB	b2011	475	946529	1788321	0.414934	128	37.69						2.03	0.73	0.80	1.18822
16129953	yeeD	b2012	75	946539	1788322	0.491317	8	0.94							5.03	1.91	3.47045
16129954	yeeE	b2013	352	946526	1788323	0.345475	62	13.69							2.67	1.10	1.88482
16129955	yeeF					0.615746									3.92	0.65	2.28526
16129956	yeeY					0.356002											
16129957	b2016	b2016	274	946538	1788327	0.335344	68	20.54	1	8.4	3	795.12				0.91	
16129958	yefM					0.372306									2.29	3.32	2.80711
16129959	hisL	b2018	16	946547	1788329	0.507045	6	2.05						14.07	14.14	5.84	11.3497
16129960	hisG	b2019	299	946549	1788330	0.555339	103	28.13	1	19.7	4	774.11	4698.33	0.147	11.72	4.26	6.68	7.55603
16129961	hisD	b2020	434	946531	1788331	0.483136	101	24.75	1	13.6	4	879.83	3228.11	0.101	7.59	1.92	4.47	4.659
16129962	hisC	b2021	356	946551	1788332	0.466476	92	21.81	1	18.8	5	1248.03			9.54	3.27	3.28	5.36168
16129963	hisB					0.52497									7.54	2.82	3.85	4.73631
16129964	hisH	b2023	196	946544	1788334	0.53291	49	14.73	1	23.5	7	2587.07			5.75	2.11	3.20	3.68994
16129965	hisA					0.504579									10.81	5.73	5.37	7.30615
16129966	hisF	b2025	258	946516	1788336	0.514591	77	23.63	1	10.9	4	921.53	2237.30	0.07	9.59	5.59	4.20	6.45626
16129967	hisI	b2026	203	946515	2367128	0.477708	51	9.34					1981.61	0.062	3.53	3.13	1.73	2.79443
16129968	wzzB					0.38316									5.34	7.06	2.09	4.83005
16129969	ugd	b2028	388	946571	1788340	0.42378	127	41.12	0.81	12.9	1	107.24			0.73	0.82		0.77697
16129970	gnd	b2029	468	946554	1788341	0.626446	130	41.95	1	50.6	65	8435.17	2748.68	0.086	19.81	11.02	6.23	12.3541
16129971	trs5_7	b2030	338	946577	1788342	0.396422	118	27.04										
16129972	wbbK	b2032	372	946555	1788344	0.326485	136	41.46							7.33	3.87	2.82	4.67342
16129973	wbbJ	b2033	196	946556	1788345	0.265721	66	14.48							5.41	2.89	1.97	3.42446
16129974	wbbI	b2034	330	947041	1788346	0.265253	102	27.22							4.34	1.81	1.32	2.49205
16129975	wbbH	b2035	388	945179	1788347	0.256359	60	11.89							2.62	1.48	0.66	1.5872
16129976	glf	b2036	367	945235	1788348	0.320954	136	37.72	1	18.8	9	1298.92	1853.76	0.058	6.13	1.98	1.74	3.28279
16129977	rfbX	b2037	415	946557	1788349	0.228524	81	16.85							4.18	2.81	0.86	2.61867
16129978	rfbC	b2038	185	947482	1788350	0.287454	53	15.18	0.53	34.1	2		1981.61	0.062	4.58	1.14	1.19	2.30506
16129979	rfbA	b2039	293	945154	1788351	0.391895	75	20.19							11.36	4.51	4.50	6.79033
16129980	rfbD	b2040	299	947117	1788352	0.368468	64	16.01	0.96	13	3	979.29			8.20	4.40	3.40	5.33377
16129981	rfbB	b2041	361	945276	1788353	0.41006	97	27.96	1	30.7	19	3699.38	383.54	0.012	8.79	4.05	3.54	5.45962
16129982	galF	b2042	297	946560	1788355	0.47824	89	23.48	0.9	17.5	2	417.34	5625.22	0.176	10.06	6.28	6.81	7.71454
16129983	wcaM	b2043	464	946561	1788356	0.363125	131	32.78							0.27		0.25	0.25968
16129984	wcaL	b2044	406	946565	1788357	0.411794	130	36.6										
16129985	wcaK	b2045	426	946569	1788358	0.448863	101	26.34										
16129986	wzxC	b2046	492	946581	1788359	0.410992	96	20.98							0.25	0.46	0.09	0.26878
16129987	wcaJ	b2047	464	946583	1788360	0.458217	131	26.83							0.45			
16129988	cpsG	b2048	456	946574	1788361	0.494439	144	44.55							1.68	1.74	0.71	1.37481
16129989	cpsB	b2049	478	946580	1788362	0.479833	130	37.2	0.61	12.8	1	89.27						
16129990	wcaI	b2050	407	946588	1788363	0.450454	127	37.02							0.89	0.92		0.90415
16129991	wcaH					0.380923									0.68	0.78		0.72966
16129992	wcaG	b2052	321	946563	1788365	0.464045	83	22.12	0.97	10.9	1	238.73						
16129993	gmd	b2053	373	946562	1788366	0.610902	102	28.57	1	16.4	15	2858.20						
16129994	wcaF	b2054	182	946578	1788367	0.318426	48	11.59										
16129995	wcaE	b2055	248	946543	1788368	0.410606	76	19.03										
16129996	wcaD	b2056	405	946550	1788369	0.341332	87	18.22										
16129997	wcaC	b2057	405	946579	1788370	0.462196	113	31.84										
16129998	wcaB	b2058	162	946573	1788371	0.474199	36	8.69										
16129999	wcaA	b2059	279	946570	1788372	0.51274	94	23.15										
16130000	b2060					0.484712												
16130001	wzb	b2061	147	946564	1788375	0.467163	52	14.62										
16130002	wza	b2062	379	946558	1788376	0.462582	92	25.45										
16130003	yegH					0.381748										1.65	0.79	1.22007
16130004	asmA	b2064	617	946582	1788378	0.354269	157	47.5							1.66	0.96	0.76	1.12647
16130005	dcd	b2065	193	946593	1788379	0.472743	55	13.2									1.31	
16130006	udk					0.443546							1789.84	0.056	2.07	1.12	0.82	1.33237
16130007	yegE	b2067	1105	946600	1788381	0.361393	245	63.25								0.58		
16130008	alkA	b2068	282	947371	1788383	0.364613	75	24.45										
16130009	yegD					0.469618										0.33	0.30	0.31374
16130010	b2070	b2070	648	947159	1788385	0.367257	179	47.73	0.67	3.7	2	152.84			0.65	0.78	0.37	0.59957
16130011	b2071	b2071	153	947201	1788386	0.371575	50	13.38							0.25	0.24	0.20	0.23113
16130012	b2072	b2072	253	947269	1788387	0.359932	31	10.56										
16130013	b2073	b2073	219	946602	1788388	0.390629	52	15.5										
16130014	b2074					0.420227											0.42	
16130015	yegN	b2075	1040	946606	1788390	0.448918	176	44.82										
16130016	yegO	b2076	1025	946608	1788391	0.400736	201	53.49	0.58	6.7	2					0.43		
16130017	yegB	b2077	471	946601	1788392	0.378072	63	14.67								0.31	0.18	0.24627
16130018	baeS	b2078	467	946611	1788393	0.402075	144	45.98							1.49			
16130019	baeR	b2079	240	946605	1788394	0.472992	85	26.2							1.69		1.08	1.38575
16130020	b2080					0.392771									8.43	1.45	4.49	4.79011
16130021	yegQ	b2081	453	946609	1788397	0.556329	120	31.34								1.00	0.72	0.85633
16130022	ogrK	b2082	72	945404	1788398	0.36386	14	2.87							1.03	0.98	0.88	0.96405
16130023	b2083	b2083	48	949050	1788399	0.264118	11	3.76										
16130024	b2084	b2084	88	948984	1788400	0.209337	37	9.55										
16130025	b2085					0.315782									0.24			
16130026	b2086	b2086	299	946626	1788402	0.340652	62	16.24									0.47	
16130027	b2088					0.438849												
16130028	tra5_4					0.352809												

16130029	gatD	b2091	346	946598	1788407	0.353242	81	21.52							6.60	0.84	11.04	6.15692
16130030	gatC	b2092	451	946603	1788408	0.426365	76	16.39							14.85	3.50	39.27	19.2066
16130031	gatB	b2093	94	946610	1788409	0.39627	20	4.52	1	26.6	8	9635.27			20.57	14.79	53.94	29.7692
16130032	gatA	b2094	150	946633	1788410	0.320739	32	10.51	1	64.7	31	16057.25			24.67	18.13	63.83	35.5423
16130033	gatZ	b2095	420	946641	1788411	0.391171	109	25.65	1	32.6	25	5305.97			29.11	18.99	70.96	39.6843
16130034	gatY					0.384163							1118.65	0.035	24.15	25.22	59.34	36.2397
16130035	b2097					0.420934											13.20	
16130036	yegT	b2098	425	946638	1788415	0.473074	74	11.47								0.34	0.19	0.26582
16130037	b2099	b2099	334	946630	1788416	0.445093	85	23.93									0.26	
16130038	b2100	b2100	321	946637	1788417	0.38321	65	16.85									0.34	
16130039	yegW	b2101	248	946639	1788418	0.357108	76	20.69										
16130040	yegX					0.358233											0.31	
16130041	thiD	b2103	266	946459	1788420	0.395046	60	17.8					2780.65	0.087	2.12		1.18	1.65036
16130042	thiM	b2104	262	945142	1788421	0.357896	35	9.4							6.00	2.17	3.58	3.91837
16130043	yohL	b2105	90	947114	1788422	0.513289	36	8.74								1.47	0.60	1.03751
16130044	yohM	b2106	274	949078	1788423	0.377205	48	9.3	0.21	10.6	1							
16130045	b2107					0.349663											0.56	
16130046	yehA	b2108	344	946642	1788426	0.27275	52	14.62								0.34		
16130047	yehB	b2109	826	946617	1788427	0.312961	200	58.6										
16130048	yehC	b2110	239	946621	1788428	0.3235	70	22.27										
16130049	yehD	b2111	180	946619	1788429	0.447981	44	11.01										
16130050	yehE	b2112	93	946615	1788430	0.296997	20	5.17								0.92	1.10	1.01086
16130051	mrp					0.465184									6.37	3.11	2.63	4.03608
16130052	metG	b2114	677	946643	1788432	0.624278	194	61.01	1	28.2	12	1070.76			3.97	1.27	1.49	2.24331
16130053	molR_1					0.341485									0.18			
16130054	molR_2					0.314634												
16130055	molR_3					0.411982												
16130056	yehI	b2118	1210	946649	1788436	0.357326	337	87.41								0.41		
16130057	yehL					0.388113												
16130058	yehM	b2120	759	946651	1788439	0.353458	135	34.87										
16130059	yehP	b2121	378	946652	1788440	0.359799	105	28.67										
16130060	yehQ					0.366867										0.66	0.23	0.44816
16130061	yehR					0.568977												
16130062	yehS	b2124	156	949026	1788443	0.488653	66	18.02										
16130063	yehT					0.373724										0.57	0.54	0.5589
16130064	yehU	b2126	561	949027	1788446	0.334708	139	32.86								0.94	1.14	1.04068
16130065	yehV	b2127	243	949029	1788448	0.355664	67	18.2									0.55	
16130066	yehW	b2128	243	949028	1788449	0.36506	21	3.98										
16130067	yehX	b2129	308	946659	1788450	0.382337	90	27.28								0.91	0.71	0.80936
16130068	yehY	b2130	385	946660	1788451	0.386762	54	13.12								1.30	1.33	1.31663
16130069	yehZ	b2131	305	946681	1788452	0.404468	76	23.77									1.21	
16130070	bglX	b2132	765	946682	1788453	0.500313	229	68.49	0.95	5.6	1	75.51	6232.48	0.195	1.72	1.09	0.91	1.23634
16130071	dld	b2133	571	946653	1788454	0.462883	190	58.32							3.16	1.04	2.28	2.1603
16130072	pbpG					0.442743									2.32	1.51	0.68	1.50083
16130073	yohC					0.425608											0.37	
16130074	yohD					0.371602										0.46	0.45	0.45507
16130075	yohF	b2137	253	949126	1788459	0.366051	53	14.88									0.31	
16130076	yohG					0.372559												
16130077	yohH					0.332121												
16130078	yohI	b2140	315	945458	1788462	0.40294	97	33.25										
16130079	yohJ	b2141	132	949127	1788463	0.414768	22	3.57										
16130080	yohK	b2142	231	949125	1788464	0.392354	33	5.22										
16130081	cdd	b2143	294	946663	1788465	0.439248	62	18.89							0.73		0.33	0.52918
16130082	sanA	b2144	239	949003	1788466	0.37942	73	20.86							0.81	0.47	0.25	0.51209
16130083	b2145	b2145	79	948983	1788467	0.404162	21	4.62										
16130084	b2146	b2146	412	949049	1788468	0.376416	116	33.79									0.47	
16130085	yeiA					0.43705											0.28	
16130086	mglC	b2148	336	949039	1788471	0.424011	31	8.05							0.97		0.68	0.82216
16130087	mglA	b2149	506	949036	1788472	0.38241	162	50.56							1.58	0.90	2.30	1.5936
16130088	mglB	b2150	332	949041	1788473	0.624829	108	40.22	1	20.8	5	676.77	1693.96	0.053	3.94	2.51	9.44	5.29919
16130089	galS	b2151	346	949043	1788474	0.423286	82	24.08							0.58	0.43	0.39	0.46855
16130090	yeiB	b2152	385	949044	1788475	0.350002	92	22.48										
16130091	folE	b2153	222	949040	1788476	0.459457	63	15.21	1	37.4	15	5368.76			12.40	7.85	7.54	9.26509
16130092	yeiG	b2154	278	949045	1788477	0.443854	54	12.71								1.51	2.60	2.05715
16130093	cirA	b2155	663	949042	1788478	0.500928	190	55.33							2.87	1.20	1.51	1.85888
16130094	lysP	b2156	489	946667	1788480	0.583786	75	13.91							5.72	3.94	1.41	3.69064
16130095	yeiE	b2157	293	946657	1788481	0.37587	77	22.42								0.97	0.50	0.73196
16130096	yeiH	b2158	349	946668	1788482	0.493591	45	9										
16130097	nfo	b2159	285	946669	1788483	0.467943	78	22.11							2.46	1.17	1.30	1.64382
16130098	yeiI	b2160	362	946640	1788484	0.397531	76	14.62	0.81	4.1	1	301.61				0.77	0.38	0.57487
16130099	yeiJ	b2161	416	946655	1788485	0.368961	55	14.19								0.30		
16130100	yeiK	b2162	313	946646	1788486	0.462168	58	11.72										
16130101	yeiL					0.301841												
16130102	yeiM	b2164	416	946671	1788488	0.425579	53	14.81										
16130103	yeiN	b2165	312	946699	1788490	0.463115	72	22.47										
16130104	yeiC	b2166	313	946664	1788491	0.346916	46	10.89									0.37	
16130105	fruA	b2167	563	946672	1788492	0.57043	94	21.69								1.93		
16130106	fruK	b2168	312	946676	1788493	0.505102	74	18.15							1.29		0.90	1.0944
16130107	fruB	b2169	376	946677	1788494	0.488774	86	23.21					9524.51	0.298	1.77	0.86	1.09	1.24445
16130108	yeiO	b2170	393	946673	1788495	0.401239	63	9.07								0.48	0.29	0.38308
16130109	yeiP					0.463804										2.21	1.80	2.00438
16130110	yeiQ	b2172	488	946688	1788497	0.409069	111	34.39										
16130111	yeiR	b2173	328	946701	1788499	0.352523	93	32.61								0.57	0.42	0.49293
16130112	b2174					0.31119											0.28	
16130113	spr	b2175	188	946686	1788501	0.432939	73	14.84							8.73	15.26	12.88	12.2911
16130114	rtn	b2176	518	946695	1788502	0.385067	129	35.44							1.27	1.02	0.57	0.95301
16130115	yejA					0.414503											0.34	
16130116	yejB	b2178	364	946679	1788504	0.446349	70	17.85								0.60	0.37	0.48584
16130117	yejE	b2179	341	946683	1788505	0.344292	66	17.11										
16130118	yejF	b2180	529	946689	1788506	0.307682	146	43.76								1.03	0.55	0.78673
16130119	yejG	b2181	114	945319	1788507	0.370047	23	8.12								1.48	0.86	1.16732
16130120	bcr	b2182	396	944808	1788509	0.402084	44	8.34							0.90			
16130121	rsuA	b2183	231	945378	1788510	0.464782	63	16.62					1853.76	0.058	4.09	1.54	1.59	2.40997
16130122	yejH	b2184	586	945529	1788511	0.435138	192	58.49								0.78	0.32	0.55281
16130123	rplY	b2185	94	945618	1788512	0.805919	43	12.66	1	60.6	50	21500.50			30.34	37.99	36.47	34.9373
16130124	yejK	b2186	335	946690	1788513	0.447636	102	29.14								1.92	1.32	1.62099
16130125	yejL	b2187	75	946694	1788514	0.476884	16	6.57	0.21	25.3	1					3.90	2.64	3.26801
16130126	yejM	b2188	586	946685	1788515	0.42312	133	36.26								0.85	0.59	0.72002
16130127	yejO	b2190	836	946867	1788516	0.367906	151	43.89	0.59	1.2	1					0.61	0.28	0.44187
16130128	b2191	b2191	40	946696	1788517	0.317683	11	1.74									0.36	
16130129	trs5_8	b2192	338	949121	1788518	0.392823	118	27.04							23.58	16.00		19.7906
16130130	narP	b2193	215	949081	1788521	0.39996	64	18.26							2.59	1.94	1.09	1.87567
16130131	ccmH	b2194	350	946623	1788522	0.435001	100	32.62									0.36	
16130132	dsbE	b2195	185	949073	1788523	0.451553	44	9.45							1.01			
16130133	ccmF	b2196	647	948783	1788524	0.44665	121	24.96	0.81	12.2	2	353.33						
16130134	ccmE	b2197	159	946697	1788525	0.472908	48	14.03							0.72			
16130135	ccmD	b2198	69	946709	1788526	0.480323	16	2.22										
16130136	ccmC	b2199	245	946703	1788527	0.45441	43	10.83										

16130137	ccmB	b2200	220	946692	1788528	0.354321	28	5.25							0.57		0.28	0.42436
16130138	ccmA					0.308843									0.70		0.39	0.54188
16130139	napC	b2202	200	946706	1788530	0.4899	79	18.1							1.27	0.79	0.46	0.84111
16130140	napB					0.484469											0.17	
16130141	napH	b2204	287	945984	1788532	0.393897	61	12.16							1.06			
16130142	napG	b2205	231	945544	1788533	0.420466	77	20.17							1.00	0.81	0.36	0.72288
16130143	napA	b2206	828	947093	1788534	0.620415	273	74.96										
16130144	napD	b2207	87	945187	1788535	0.475267	8	1.34							0.88	0.89		0.88598
16130145	napF	b2208	164	946813	1788536	0.40918	33	5.56							0.25	0.23		0.23719
16130146	eco	b2209	162	946700	1788538	0.475095	54	15.28							1.78	0.90	0.93	1.20457
16130147	yojH	b2210	548	946702	1788539	0.459458	153	47.75								1.10		
16130148	yojI	b2211	547	946705	1788540	0.413789	129	34.2								0.77	0.52	0.64358
16130149	alkB	b2212	216	946708	1788541	0.390443	52	16.9							0.42			
16130150	ada	b2213	354	946710	1788542	0.368002	119	27.42							1.38	1.18	0.52	1.02938
16130151	yojL	b2214	351	946711	1788543	0.485031	88	23.78										
16130152	ompC	b2215	367	946716	1788544	0.84783	83	24.8					3419.88	0.107	23.81	13.34	49.83	28.9928
16130153	yojN	b2216	890	946717	1788545	0.385825	226	62.13								7.43	6.14	6.78368
16130154	rcsB	b2217	216	947441	1788546	0.48255	70	17.81	1	31.9	6	1834.00			6.49	5.58	4.63	5.56597
16130155	rcsC	b2218	933	948993	1788548	0.363321	261	72.65							1.25	0.91	0.62	0.92744
16130156	atoS	b2219	608	949011	1788549	0.366717	148	42.22							0.42	0.43	0.26	0.37241
16130157	atoC	b2220	461	947444	1788550	0.370795	155	39.29							0.76	0.54	0.48	0.59558
16130158	atoD	b2221	220	947525	1788551	0.393594	46	12.52										
16130159	atoA	b2222	216	946719	1788552	0.382447	47	8.57										
16130160	atoE	b2223	440	946721	1788553	0.418476	55	10.8								0.36		
16130161	atoB	b2224	394	946727	1788554	0.378818	83	21.59							0.25			
16130162	b2225	b2225	258	946728	1788556	0.360476	49	11.3									0.26	
16130163	b2226	b2226	549	946730	1788557	0.329214	160	43.49										
16130164	b2229					0.365839												
16130165	yfaA					0.382265												
16130166	gyrA	b2231	875	946614	1788562	0.609563	286	71.5	1	15.5	16	1218.22			5.41	3.20	1.62	3.40934
16130167	ubiG	b2232	240	946607	1788564	0.459148	60	16.11	0.99	6.2	3	1003.63			6.24	4.63	2.86	4.57721
16130168	yfaL	b2233	1250	946595	1788565	0.381162	99	27.3								0.91	0.46	0.68221
16130169	nrdA	b2234	761	946612	2367133	0.605189	223	63.27	1	9.7	4	344.17			3.86	1.59	3.03	2.82672
16130170	nrdB	b2235	376	946732	1788567	0.593686	90	25.5							5.32	1.85	1.95	3.03997
16130171	yfaE	b2236	84	946729	1788568	0.490547	19	2.94								0.77	0.42	0.59816
16130172	inaA	b2237	216	946731	1788569	0.458448	88	22.19							2.21	1.60	0.76	1.51949
16130173	yfaH	b2238	68	946718	1788571	0.280386	14	3.28										
16130174	glpQ	b2239	358	946725	1788572	0.458889	114	33.22					17195.26	0.538	0.75	1.86	6.54	3.04886
16130175	glpT	b2240	452	946704	1788573	0.492988	83	21.43							0.65	3.76	15.33	6.58334
16130176	glpA	b2241	542	946713	1788574	0.482285	163	46.2									2.40	
16130177	glpB	b2242	419	946733	1788575	0.373894	83	19.07					2109.46	0.066	0.85	1.75	4.04	2.2146
16130178	glpC	b2243	396	946735	1788576	0.483288	129	34.19									1.80	
16130179	yfaD	b2244	299	946737	1788577	0.370554	88	25.88	0.24	7.7	1						0.37	
16130180	b2245	b2245	267	948054	1788578	0.365063	53	10.01									0.21	
16130181	b2246					0.365746												
16130182	b2247	b2247	405	945881	1788580	0.480958	88	19.03										
16130183	b2248	b2248	260	944752	1788581	0.304983	74	17.34										
16130184	b2249	b2249	400	945478	1788583	0.428449	95	23.56										
16130185	b2250					0.412174												
16130186	yfaO	b2251	141	946740	1788585	0.364937	47	8.05								0.72	0.31	0.51398
16130187	ais	b2252	200	944945	1788586	0.398249	71	17.62								1.49		
16130188	b2253					0.361484											0.52	
16130189	b2254	b2254	322	945275	1788588	0.398279	84	19.58									0.38	
16130190	b2255	b2255	660	947683	1788589	0.428584	179	48.15	1	12	7	791.43					0.84	
16130191	b2256	b2256	296	945334	1788590	0.414877	91	19.77										
16130192	b2257	b2257	550	947297	1788591	0.374903	110	26.31									0.33	
16130193	b2258					0.345426												
16130194	pmrD					0.33818									2.49	1.58	2.08	2.04808
16130195	menE	b2260	451	946741	1788595	0.37887	108	28.53							1.76	0.61	0.41	0.92654
16130196	menC	b2261	320	946734	1788596	0.411083	83	25.96							4.12	2.10	1.95	2.72188
16130197	menB	b2262	285	946747	1788597	0.681708	83	17.33					2940.45	0.092	4.46	1.02	1.74	2.40654
16130198	yfbB	b2263	252	946736	1788598	0.36426	57	13.14					3899.30	0.122		0.43	0.41	0.41916
16130199	menD	b2264	556	946720	1788599	0.415836	114	27.43							1.31	0.89	0.43	0.87784
16130200	menF					0.366248									2.60	0.74	0.67	1.3343
16130201	elaB	b2266	101	946751	1788601	0.414874	33	8.44							14.77	2.48	12.67	9.97291
16130202	elaA	b2267	153	946750	1788602	0.363128	30	7.87	0.64	16.3	2	885.42			3.52	1.40	1.53	2.15182
16130203	elaC					0.391124									0.95	0.84	0.58	0.79405
16130204	elaD	b2269	403	946742	1788604	0.271247	124	32.47							0.13			
16130205	yfbK	b2270	575	946743	1788606	0.348124	179	53.64										
16130206	yfbL					0.315326										0.51		
16130207	yfbM	b2272	167	946745	1788608	0.284338	46	10.06										
16130208	yfbN	b2273	238	946748	1788609	0.281425	69	19.39										
16130209	b2274	b2274	158	946752	1788610	0.343797	7	1.86							0.18	0.11		0.14255
16130210	b2275	b2275	283	946754	1788611	0.320102	65	12.63										
16130211	nuoN	b2276	425	945136	1788612	0.546371	45	9.83							6.10	4.92	4.54	5.18644
16130212	nuoM	b2277	509	947731	1788613	0.528594	57	7.4							5.16	3.60	3.29	4.01711
16130213	nuoL	b2278	613	945540	1788614	0.556076	67	17.37							8.70	4.41	6.38	6.49881
16130214	nuoK	b2279	100	947580	1788615	0.426743	12	3.7							5.72	4.86	6.36	5.64643
16130215	nuoJ	b2280	184	946756	1788616	0.49869	20	2.66							7.64	3.35	6.07	5.68594
16130216	nuoI	b2281	180	946757	1788617	0.57	64	19.22							8.85	5.48	7.72	7.34836
16130217	nuoH	b2282	325	946761	1788618	0.54362	43	12.04							8.22	4.52	9.57	7.43527
16130218	nuoG					0.594342									10.32	4.74	10.20	8.4225
16130219	nuoF	b2284	445	946753	1788620	0.565563	140	39.59	0.23	15.1	1				11.05	6.32	10.74	9.37453
16130220	nuoE	b2285	166	946746	1788621	0.535544	36	7.83							15.44	11.39	19.28	15.3723
16130221	nuoC	b2286	600	946759	1788622	0.589819	173	60.02							12.55	5.19	13.95	10.5657
16130222	nuoB	b2287	220	946738	1788624	0.556842	63	17.45					2652.80	0.083	10.92	6.56	12.11	9.86423
16130223	nuoA					0.49744									11.32	6.06	12.63	10.008
16130224	lrhA	b2289	312	946769	1788626	0.371645	68	17.43							2.59	1.59	1.15	1.77419
16130225	b2290	b2290	405	946772	1788627	0.507419	116	29.47									0.56	
16130226	b2291	b2291	199	946771	1788628	0.414517	60	18.03							1.52	0.43		0.97429
16130227	yfbS	b2292	610	946766	1788629	0.379774	123	26.05										
16130228	yfbT					0.377486										1.77	1.55	1.66001
16130229	b2294					0.447005											11.03	
16130230	b2295	b2295	151	946774	1788632	0.358157	49	12.55									0.67	
16130231	ackA	b2296	400	946775	1788633	0.718841	100	20.74	1	21.2	7	1837.39	1662.00	0.052	9.32	5.89	6.61	7.27529
16130232	pta	b2297	714	946778	1788635	0.728707	176	50.95	1	16	5	534.24	9332.74	0.292	2.67	1.18	1.61	1.82012
16130233	yfcC					0.4123										0.49		
16130234	b2299	b2299	180	946783	1788637	0.439079	52	11.17					3068.30	0.096			0.80	
16130235	yfcE					0.401055										2.63	3.72	3.17753
16130236	yfcF	b2301	214	946749	1788639	0.380995	56	17.91								0.78	0.54	0.66214
16130237	yfcG	b2302	215	946763	1788640	0.345113	56	15.5									0.88	
16130238	folX	b2303	120	946781	1788641	0.470606	42	14.04	0.76	22.5	3	884.06			6.93	2.92	3.15	4.33467
16130239	b2304	b2304	297	946784	1788642	0.368582	80	23.53									1.07	
16130240	yfcI	b2305	296	946787	1788643	0.323695	92	30.65								0.73	0.46	0.59476
16130241	hisP	b2306	257	946789	1788644	0.384643	83	19.17							2.98	3.15	1.21	2.44902
16130242	hisM	b2307	238	946790	1788645	0.423306	49	10.62							2.66	1.53	1.40	1.86297
16130243	hisQ	b2308	228	947235	1788646	0.401797	41	10.96							3.80	2.10	1.35	2.41635
16130244	hisJ	b2309	260	945309	1788648	0.490832	89	27.78	1	50	42	8230.56	4282.83	0.134	17.29	13.60	8.07	12.9886

16130245	argT	b2310	260	949030	1788649	0.459178	87	30.86	1	13.8	2	352.81	1502.19	0.047	6.66	2.99	4.43	4.69084
16130246	ubiX	b2311	189	949033	1788650	0.381008	42	13.07							0.70	0.90		0.803
16130247	purF	b2312	505	946794	1788651	0.534188	140	31.51	1	19.4	21	3628.13			4.66	3.33	1.73	3.23883
16130248	cvpA	b2313	162	945055	1788652	0.373178	27	6.89							10.36	8.46	5.51	8.10956
16130249	dedD					0.429951									2.77		1.09	1.93362
16130250	folC	b2315	422	945451	1788654	0.435075	102	28.29							3.56	2.56	2.32	2.81401
16130251	accD	b2316	304	946796	1788655	0.545518	105	26.68	0.97	21.4	6	1187.54	3036.34	0.095	7.42	7.07	3.53	6.00452
16130252	dedA	b2317	219	946798	1788656	0.411172	41	9.16							2.58	1.69	1.61	1.96039
16130253	truA	b2318	270	946793	1788657	0.405707	83	26.12							4.77	2.65	2.17	3.1959
16130254	usg	b2319	337	946797	1788658	0.527431	55	17.47					3387.91	0.106	3.25		1.57	2.41362
16130255	pdxB	b2320	378	946785	1788660	0.398124	113	37.2	0.87	9.8	1	127.32	671.19	0.021	2.49	1.29	0.99	1.58919
16130256	div	b2321	331	946776	1788661	0.321784	76	28.93							0.82		0.29	0.55586
16130257	b2322	b2322	392	946791	1788662	0.367874	54	9.97										
16130258	fabB	b2323	406	946799	1788663	0.700556	89	20.7	1	57.6	61	16042.49	6232.48	0.195	14.32	7.77	9.84	10.6411
16130259	b2324					0.356399												
16130260	b2325	b2325	92	946804	1788665	0.476318	12	3.71									0.81	
16130261	b2326	b2326	182	946807	1788666	0.422713	33	6.99									1.02	
16130262	yfcA	b2327	269	946808	1788667	0.348915	47	9.08	0.32	14.1	1					2.50	1.28	1.89058
16130263	mepA	b2328	274	946812	1788668	0.406556	64	14.16							2.48	1.20	1.19	1.62444
16130264	aroC	b2329	361	946814	1788669	0.494721	110	25.46	0.68	8.6	2	290.80	1821.80	0.057	5.97	2.81	3.11	3.96482
16130265	yfcB					0.487351										2.81	4.33	3.57351
16130266	b2331	b2331	183	944847	1788671	0.395449	55	13.45									0.89	
16130267	b2332					0.322622											0.52	
16130268	b2333	b2333	179	946788	1788674	0.342609	38	9.58										
16130269	b2334	b2334	162	946779	1788675	0.383544	32	7.93							0.30			
16130270	b2335	b2335	170	946818	1788676	0.305433	30	7.69									0.19	
16130271	yfcS	b2336	250	946418	1788677	0.437532	76	26.7								0.61		
16130272	b2339	b2339	187	949109	1788680	0.635565	42	7.83										
16130273	b2340	b2340	161	946815	1788681	0.443578	17	3.63									1.34	
16130274	b2341	b2341	714	949097	1788682	0.393141	216	58.59									1.12	
16130275	b2342	b2342	436	948823	1788683	0.406321	117	36.33									1.05	
16130276	b2343					0.595591											0.66	
16130277	fadL	b2344	448	946820	1788686	0.530437	76	20.4							1.05	0.69	0.81	0.85286
16130278	b2345	b2345	352	946819	1788687	0.334995	115	31.62										
16130279	vacJ	b2346	251	945582	1788688	0.475783	48	13.51							4.65	4.06	1.69	3.47038
16130280	yfdC	b2347	310	944801	1788689	0.417383	65	10.66									0.38	
16130281	intC	b2349	385	946821	1788690	0.377951	146	36.05							1.02	0.63	0.26	0.63554
16130282	b2350	b2350	120	948821	1788691	0.362943	24	2.74									0.62	
16130283	b2351	b2351	306	949098	1788692	0.296726	100	23.68									1.87	
16130284	b2352	b2352	443	946822	1788693	0.225477	107	25.87										
16130285	b2353					0.379086											0.20	
16130286	b2354	b2354	146	948822	1788696	0.431063	26	6.2										
16130287	yfdL	b2355	172	949099	1788697	0.31889	39	11.36										
16130288	yfdM					0.442664												
16130289	yfdN	b2357	164	946419	1788699	0.348881	71	16.33										
16130290	yfdO	b2358	122	947403	1788700	0.470492	46	14.6										
16130291	b2359					0.437539												
16130292	b2360	b2360	274	946827	1788702	0.543309	84	26.32										
16130293	b2361					0.401271												
16130294	b2362	b2362	120	946426	1788704	0.428133	32	8.3										
16130295	b2363	b2363	101	946836	1788705	0.424844	38	9.97										
16130296	dsdC	b2364	311	948828	1788706	0.326556	76	19.43							0.46			
16130297	dsdX	b2365	445	949103	1788707	0.348284	51	12.47										
16130298	dsdA	b2366	442	946837	1788708	0.427102	99	27.13							0.66			
16130299	emrY	b2367	512	946835	1788710	0.24575	65	12.05							0.17	0.15		0.15942
16130300	emrK	b2368	387	946840	1788711	0.326566	109	36.65							0.17	0.16		0.16345
16130301	evgA	b2369	204	946841	1788712	0.367713	65	17.94					703.15	0.022	5.82	0.67	1.30	2.59502
16130302	evgS	b2370	1197	946844	1788713	0.309802	260	71.96							0.44			
16130303	yfdE					0.281652												
16130304	b2372	b2372	314	949110	1788715	0.356495	54	15.32										
16130305	b2373	b2373	564	946845	1788716	0.39278	112	32.25										
16130306	b2374	b2374	416	946842	1788717	0.448768	102	22.59							0.14			
16130307	b2375	b2375	211	949108	1788719	0.4697	66	17.22									0.19	
16130308	b2376	b2376	91	949107	2367134	0.256862	22	7.08										
16130309	b2377	b2377	80	948842	1788720	0.338008	2	0.84									0.98	
16130310	ddg					0.415025									0.38			
16130311	b2379	b2379	412	946850	1788722	0.488911	130	34.74									1.25	
16130312	b2380	b2380	565	946723	1788723	0.405308	156	39.47									0.53	
16130313	b2381	b2381	244	947395	1788724	0.455539	64	19.31	0.68	7	1	191.71						
16130314	b2382	b2382	285	946856	1788725	0.377137	75	21.25										
16130315	b2383	b2383	831	946852	1788726	0.45572	198	50.79										
16130316	b2384	b2384	345	946848	1788727	0.387937	95	28.91										
16130317	b2385	b2385	361	946853	1788728	0.396131	86	24.76										
16130318	b2386	b2386	415	949111	1788729	0.504259	61	17.63										
16130319	b2387	b2387	108	949087	1788730	0.634103	23	6.71										
16130320	glk	b2388	321	946858	1788732	0.417735	81	21.46							1.75	2.08	1.89	1.90642
16130321	b2389	b2389	418	946854	1788733	0.306165	40	8.07									0.23	
16130322	b2390	b2390	108	946855	1788734	0.497935	56	7.73										
16130323	b2391					0.348079												
16130324	b2392	b2392	412	946899	1788736	0.38622	56	11.65									0.33	
16130325	nupC	b2393	400	946895	1788737	0.602809	66	16.66							4.94	2.55	1.57	3.02078
16130326	yi81_3					0.275683												
16130327	yfeA					0.333065										0.64	0.34	0.487
16130328	yfeC					0.329854										1.20	0.54	0.86835
16130329	yfeD	b2399	130	946865	1788742	0.371877	54	10.13								0.47	0.37	0.41792
16130330	gltX	b2400	471	946906	1788743	0.649436	149	40.74	1	24.2	19	2538.90	2524.95	0.079	4.01	2.87	1.78	2.88753
16130331	xapR	b2405	294	946862	2367136	0.300593	87	28.07							0.70			
16130332	xapB	b2406	418	946868	1788745	0.413412	61	12.77							0.19	0.29		0.24075
16130333	xapA	b2407	277	946878	1788746	0.431548	60	14.97										
16130334	yfeN	b2408	254	946872	1788747	0.49945	57	11.66								0.59	0.45	0.51763
16130335	yfeR	b2409	308	946873	1788748	0.352472	80	23.8										
16130336	yfeH	b2410	332	946874	1788749	0.434071	51	10.04								1.31	0.80	1.05733
16130337	lig	b2411	671	946885	1788750	0.490139	214	56.41	0.72	13.3	4	277.94	2205.34	0.069	2.86		1.15	2.00251
16130338	zipA	b2412	328	946869	1788752	0.493337	56	11.09								1.44	1.21	1.3231
16130339	cysZ	b2413	253	946875	1788753	0.399235	46	9.32							1.09	0.73	0.57	0.7983
16130340	cysK	b2414	323	946877	1788754	0.505587	95	27.22	1	67.8	122	24399.67	6008.75	0.188	34.23	39.17	32.67	35.3569
16130341	ptsH	b2415	85	946886	1788755	0.694925	21	6.68	0.27	55.3	3				24.46	19.62	16.59	20.2231
16130342	ptsI	b2416	575	946879	1788756	0.578397	182	49.84	1	55.7	39	4259.89	12496.93	0.391	26.75	17.20	25.09	23.013
16130343	crr	b2417	169	946880	1788757	0.682342	47	13.27	1	41.4	23	9435.59	20487.29	0.641	13.96	13.63	10.01	12.5368
16130344	pdxK	b2418	283	946881	1788758	0.364305	64	17.78					2684.76	0.084	2.37	1.00	0.84	1.40173
16130345	yfeK	b2419	124	946876	1788759	0.340747	40	12.04								0.29	0.38	0.33767
16130346	b2420	b2420	244	946887	1788760	0.439109	75	19.75							0.88	0.28	0.12	0.42414
16130347	cysM	b2421	303	946888	2367138	0.419302	82	23.74	1	25.1	12	2751.77			5.02	4.90	2.15	4.0246
16130348	cysA	b2422	365	946889	1788761	0.506361	111	33.2							5.37	2.14	2.58	3.36245
16130349	cysU	b2424	277	946882	1788764	0.431941	45	9.25							4.25	2.66	1.70	2.86851
16130350	cysP	b2425	338	946883	1788765	0.576947	109	40.94	1	23.7	10	1329.73			10.67	5.09	4.07	6.61064
16130351	ucpA					0.433705							958.84	0.03	1.40	0.97	1.07	1.14602
16130352	yfeT	b2427	285	946568	1788767	0.36197	91	25.94								0.92	0.32	0.61893

16130353	yfeU	b2428	298	946893	1788768	0.439825	79	21.07								0.94	1.01	0.97846
16130354	b2429	b2429	474	946894	1788769	0.427874	56	15.03									0.32	
16130355	b2430					0.429806												
16130356	b2431					0.549374											0.90	
16130357	b2432	b2432	191	946919	1788772	0.454601	54	13.83									0.99	
16130358	b2433					0.342502											0.67	
16130359	b2434					0.364467											1.37	
16130360	amiA	b2435	289	946916	1788776	0.405694	112	27.52							1.87	0.68	1.33	1.29159
16130361	hemF	b2436	299	946908	1788777	0.445045	81	21.85										
16130362	yfeG	b2437	350	946911	1788778	0.372292	80	19.71										
16130363	b2438					0.362698											0.68	
16130364	b2439	b2439	219	946914	1788780	0.479867	31	8.79									0.58	
16130365	eutC	b2440	295	946925	1788781	0.53812	88	20.42							1.31		0.92	1.11455
16130366	eutB					0.500913									3.03	0.99	1.21	1.74116
16130367	b2442	b2442	431	946923	1788783	0.251637	177	52.72									0.41	
16130368	b2443	b2443	213	946922	1788784	0.30667	102	19.89									0.32	
16130369	b2444	b2444	81	946921	1788785	0.447307	33	7.06										
16130370	b2445	b2445	127	946930	1788786	0.361154	43	12.54										
16130371	b2446	b2446	138	946929	1788787	0.321461	52	14.06										
16130372	b2447	b2447	197	946928	1788788	0.46071	65	18.82							0.64	0.71	0.24	0.5278
16130373	b2448	b2448	130	946927	1788790	0.327059	43	10.26										
16130374	b2449	b2449	130	946931	1788791	0.436204	37	5.39									1.05	
16130375	b2450	b2450	279	946932	1788792	0.433841	114	26.55									2.49	
16130376	b2451	b2451	467	946937	1788793	0.410375	82	23.16										
16130377	eutH	b2452	408	944979	1788794	0.530724	51	11.4										
16130378	eutG					0.406027												
16130379	eutJ	b2454	278	947588	1788796	0.444498	55	15.12							0.52	0.50		0.5145
16130380	eutE	b2455	467	946943	1788797	0.498075	122	29.43										
16130381	cchB	b2456	95	946945	1788798	0.39925	14	1.49							0.72			
16130382	cchA					0.611526									1.05	1.42	0.41	0.95979
16130383	eutI	b2458	338	946940	1788800	0.382826	88	24.73										
16130384	b2459	b2459	267	946939	1788801	0.429111	79	21.94										
16130385	b2460	b2460	233	946935	1788802	0.554262	58	15.67										
16130386	b2461	b2461	159	946933	1788803	0.31907	40	13.25										
16130387	b2462					0.32788												
16130388	b2463	b2463	759	946947	1788806	0.547427	191	49.39	0.92	17.3	7	709.84					6.03	
16130389	talA	b2464	316	947006	1788807	0.442647	106	33.52					4282.83	0.134	10.53	1.16	9.98	7.22306
16130390	tktB	b2465	667	945865	1788808	0.462815	171	46.41							5.21	0.79	2.80	2.93333
16130391	b2466	b2466	347	946828	1788809	0.349543	102	32.6										
16130392	yffH	b2467	191	947072	1788810	0.464496	54	12.67										
16130393	yffG	b2468	659	947383	1788811	0.45196	184	42.72										
16130394	narQ	b2469	566	946948	1788812	0.377586	130	41.92										
16130395	acrD	b2470	1037	945464	1788814	0.440595	200	57.15										
16130396	yffB	b2471	118	946953	1788815	0.47128	34	6.48								1.25	1.30	1.27582
16130397	dapE	b2472	375	948313	1788816	0.406497	78	24.34	0.26	14.4	1				1.50	0.69	0.50	0.8948
16130398	ypfH					0.436973										0.78	0.35	0.56642
16130399	ypfI	b2474	671	946053	1788818	0.322521	183	45.89									0.37	
16130400	b2475	b2475	287	946956	1788819	0.435795	74	19.98									1.08	
16130401	purC	b2476	237	946957	1788820	0.621103	91	24.92	1	40.9	14	3058.39	10771.01	0.337	13.56	9.53	8.37	10.4882
16130402	nlpB					0.55845									7.71	6.51	4.28	6.16781
16130403	dapA	b2478	292	946952	1788823	0.44357	72	18.21	1	11	4	1195.81	5209.72	0.163	14.30	9.64	11.20	11.7109
16130404	gcvR					0.3312									8.57	2.95	4.67	5.39431
16130405	bcp	b2480	156	946949	1788825	0.552838	47	13.16	1	36.5	21	8687.12	6296.41	0.197	13.28	9.91	6.44	9.87714
16130406	hyfA					0.386678												
16130407	hyfB	b2482	672	946961	1788827	0.349628	104	24.05										
16130408	hyfC					0.371465												
16130409	hyfD	b2484	479	947290	1788829	0.374719	66	12.92										
16130410	hyfE	b2485	216	945298	1788830	0.41491	37	8.36							0.44			
16130411	hyfF	b2486	526	946962	1788831	0.368481	62	11.3										
16130412	hyfG	b2487	555	946964	1788832	0.416174	173	49.97										
16130413	hyfH	b2488	181	946965	1788833	0.427745	53	13.33							0.51			
16130414	hyfI	b2489	252	946966	1788834	0.328326	77	21.45							0.68		0.29	0.48189
16130415	b2490					0.423188												
16130416	hyfR					0.335423												
16130417	focB	b2492	282	949032	1788837	0.363134	37	6.36										
16130418	perM	b2493	353	945894	1788838	0.405744	54	16.58							0.99			
16130419	b2494	b2494	487	947029	1788840	0.414341	128	34.14					2556.92	0.08			1.65	
16130420	b2495	b2495	119	946974	1788841	0.414962	42	11.19									0.94	
16130421	b2496	b2496	248	946977	1788842	0.357544	73	20.94									0.68	
16130422	uraA	b2497	429	946978	1788843	0.436544	52	9.57							5.74	5.01	2.31	4.35405
16130423	upp					0.57425							3260.07	0.102	15.04	12.61	8.51	12.0553
16130424	purM	b2499	345	946975	1788845	0.527425	67	17.09	0.65	9.9	1	207.05	7031.52	0.22	10.35	4.60	4.98	6.6444
16130425	purN	b2500	212	946973	1788846	0.447299	51	17.06							9.01	3.81	3.99	5.60479
16130426	ppk	b2501	688	946971	1788847	0.438385	260	87.65							4.01	1.98	1.37	2.45598
16130427	ppx	b2502	513	946970	1788848	0.395973	157	46.84							2.28	1.10	0.73	1.37006
16130428	b2503	b2503	747	946968	1788849	0.362834	171	37.04	0.61	7.1	1	89.65						
16130429	b2504	b2504	63	946980	1788851	0.404637	22	6.43									0.68	
16130430	b2505	b2505	172	945709	1788852	0.437549	41	9.07										
16130431	b2506	b2506	179	945168	1788853	0.432658	81	17.57									0.15	
16130432	guaA	b2507	525	947334	1788854	0.664431	146	44.27	1	35.4	32	3935.07			7.24	4.33	3.57	5.0439
16130433	guaB	b2508	488	946985	1788855	0.695388	157	38.66	1	42	37	5210.17	3100.26	0.097	13.70	9.74	6.89	10.1071
16130434	xseA	b2509	456	946988	1788856	0.389107	161	45.28							1.84			
16130435	b2510					0.391107												
16130436	b2511					0.515699											0.69	
16130437	b2512	b2512	392	946982	1788859	0.494765	69	19.08									2.37	
16130438	b2513	b2513	206	946981	1788860	0.507281	62	19.85					4794.22	0.15			3.69	
16130439	hisS	b2514	424	946989	1788861	0.522089	129	39.62	1	18.9	3	412.21	735.11	0.023	9.61	4.51	4.16	6.0947
16130440	gcpE	b2515	372	946991	1788863	0.518998	125	37.65					2652.80	0.083	5.99	3.06	1.77	3.6061
16130441	yfgA	b2516	337	946992	1788864	0.430822	70	22.91								4.53	4.27	4.40237
16130442	yfgB	b2517	384	946249	1788865	0.560661	132	33.94	0.98	12.2	11	1729.10				1.65	1.51	1.58157
16130443	ndk	b2518	143	945611	1788866	0.714541	31	8.01	1	64.3	28	19029.95	9876.09	0.309	14.46	14.45	24.10	17.672
16130444	pbpC	b2519	770	947152	1788867	0.358154	225	75.31							1.59	1.05	0.75	1.1281
16130445	b2520	b2520	1653	947302	1788868	0.42725	426	128.41									0.67	
16130446	sseA					0.381012							1406.30	0.044	3.52	0.92	2.56	2.33095
16130447	sseB					0.413521									3.45	1.23	1.09	1.92269
16130448	pepB					0.492464									5.39	2.90	3.80	4.02784
16130449	yfhJ	b2524	66	945196	1788873	0.473142	15	5.01								3.14	3.94	3.5364
16130450	fdx	b2525	111	947160	1788874	0.579908	26	7.51							6.38	3.20	3.46	4.34682
16130451	hscA	b2526	616	944885	1788875	0.52078	160	44.41							7.41	3.82	2.73	4.65546
16130452	yfhE	b2527	171	946995	1788876	0.433869	57	17.05					2141.42	0.067		1.77	2.19	1.97967
16130453	yfhF	b2528	107	946999	1788877	0.522253	32	10.67					30395.34	0.951		8.63	6.81	7.72078
16130454	b2529	b2529	128	947002	1788878	0.619772	38	9.39					6711.90	0.21			8.36	
16130455	yfhO					0.644792										5.68	7.29	6.48452
16130456	b2531	b2531	162	945279	1788880	0.522342	50	13.35	1	22.2	10	4077.85					6.04	
16130457	b2532	b2532	246	948610	1788881	0.471032	52	13.27					1118.65	0.035			1.52	
16130458	suhB	b2533	267	947285	1788882	0.692889	78	25.85	0.95	20.2	2	400.13	11921.62	0.373	1.66	1.17		1.4188
16130459	b2534					0.394911												
16130460	csiE					0.320625									0.64		0.60	0.62335

16130461	hcaT	b2536	379	947007	1788886	0.383729	66	13.95						0.74	0.70	0.29	0.57719
16130462	hcaR	b2537	296	947000	1788887	0.344444	65	18.68						1.02	0.97	0.93	0.97163
16130463	hcaA1	b2538	453	946998	1788888	0.471344	121	29.31						0.60		0.38	0.49327
16130464	hcaA2	b2539	172	946997	1788889	0.424039	65	19.24									
16130465	hcaC	b2540	106	947015	1788890	0.372087	15	1.83						0.78	0.93	0.34	0.68241
16130466	hcaB	b2541	270	945346	1788891	0.389944	51	15.7									
16130467	hcaD	b2542	400	945427	1788892	0.377441	94	23.92									
16130468	yphA					0.311246									0.50	0.92	0.71014
16130469	yphB	b2544	290	947017	1788894	0.380505	38	8.68									
16130470	yphC					0.480168											
16130471	yphD	b2546	332	949063	1788896	0.378913	42	9.46							0.54	0.22	0.37811
16130472	yphE	b2547	503	948990	1788897	0.401041	146	41.71	0.24	9.1	1						
16130473	yphF	b2548	327	947020	1788898	0.398195	100	31.5								0.21	
16130474	yphG					0.444425									0.70		
16130475	yphH					0.381434									0.31	0.19	0.24636
16130476	glyA	b2551	417	947022	1788902	0.736701	113	31.71	1	27.8	36	6180.43	16364.26	0.512	21.17	10.14	13.41	14.9079
16130477	hmpA	b2552	396	947018	1788903	0.530781	91	24.74							1.19	0.87	0.61	0.891
16130478	glnB	b2553	112	947016	1788904	0.511148	43	12.61					4314.80	0.135	3.60	1.85	1.10	2.18274
16130479	yfhA	b2554	444	947042	1788905	0.416698	130	36.67								1.67	1.57	1.61857
16130480	yfhG	b2555	237	947010	1788906	0.386755	67	19.6								0.94	1.55	1.24513
16130481	yfhK					0.352746										1.14	1.10	1.11864
16130482	purL					0.559496									4.29	1.46	1.26	2.33601
16130483	yfhD	b2558	472	947028	1788910	0.425315	117	38.39									0.11	
16130484	yfhC	b2559	178	947027	1788911	0.39983	57	12.26								1.01	0.60	0.80178
16130485	yfhB					0.381474										0.91	0.84	0.87456
16130486	yfhH					0.384669										0.67	0.39	0.52839
16130487	yfhL	b2562	86	947031	1788914	0.453218	19	5.74								1.57	0.40	0.9851
16130488	acpS	b2563	126	947037	1788916	0.377261	48	12.67							3.60	2.37	1.11	2.36092
16130489	pdxJ	b2564	243	947039	1788917	0.546992	74	17.3							3.96	2.06	2.11	2.70991
16130490	recO	b2565	242	947038	2367140	0.384374	91	18.18							1.36	0.97	0.66	0.99375
16130491	era	b2566	301	947036	1788919	0.547698	107	26.62							1.83	0.95	0.67	1.14997
16130492	rnc	b2567	226	947033	1788920	0.406426	78	21.86					319.61	0.01	4.68	2.86	2.24	3.26067
16130493	lepB	b2568	324	947040	1788921	0.475579	93	26.34							2.33	2.15	1.24	1.90707
16130494	lepA	b2569	599	947051	1788922	0.56906	186	46.41	1	19.4	4	469.20			4.70	2.19	1.91	2.93557
16130495	rseC	b2570	159	947052	1788923	0.347269	29	6.42							1.95	0.97	0.73	1.21768
16130496	rseB	b2571	318	947054	1788924	0.36817	91	26.74					2077.49	0.065	3.25	1.64	1.62	2.17287
16130497	rseA	b2572	216	947053	1788925	0.432447	34	10.68							9.12	7.26	9.21	8.53142
16130498	rpoE	b2573	191	947050	1788926	0.338063	66	20.46							6.54	4.41	4.90	5.28074
16130499	nadB	b2574	540	947049	1788928	0.383821	139	37.2	0.7	7	2	204.88			3.29	1.30	0.63	1.73965
16130500	yfiC					0.378869										1.36	0.47	0.91279
16130501	srmB	b2576	444	947055	1788930	0.506852	171	39.69	0.48	3.8	2				2.88	1.46	1.06	1.79838
16130502	yfiE					0.296774										0.46		
16130503	yfiK	b2578	195	947065	1788932	0.34254	22	3.1								0.61	0.29	0.45315
16130504	yfiD	b2579	127	947068	1788933	0.75734	44	16.89	1	32.3	10	3223.17	10291.59	0.322		3.42	0.49	1.95525
16130505	ung	b2580	229	947067	1788934	0.387497	48	16.27							2.65	2.26	1.28	2.06488
16130506	yfiF	b2581	345	947066	1788935	0.552427	123	26.16								1.71	1.11	1.40926
16130507	trxC	b2582	139	947062	1788936	0.425813	47	14.06					926.88	0.029	1.52	1.28	0.80	1.20123
16130508	yfiP					0.346667										0.36	0.21	0.2841
16130509	yfiQ	b2584	886	947056	1788938	0.363931	222	58.8								1.04	1.84	1.44105
16130510	pssA					0.441415									5.04	3.89	2.12	3.68276
16130511	yfiM	b2586	90	947060	1788941	0.346407	16	5.52								0.40		
16130512	kgtP	b2587	432	947069	1788942	0.33234	80	13.47							16.40	9.82	7.67	11.2988
16130513	clpB	b2592	857	947077	1788943	0.501003	285	79.84	1	8.8	5	340.93	9524.51	0.298	3.38	1.88	2.00	2.41998
16130514	yfiH	b2593	243	947089	1788945	0.39313	62	18.92									0.46	
16130515	sfhB	b2594	326	947087	1788946	0.487787	99	24.17							5.66	1.52	2.44	3.20376
16130516	b2595	b2595	245	947086	1788947	0.472572	78	26.64									4.73	
16130517	b2596	b2596	68	947085	1788948	0.234544	37	7.65										
16130518	yfiA	b2597	113	947129	1788949	0.471598	41	9.7								3.96	14.70	9.33157
16130519	pheL	b2598	15	947080	1788950	0.471259	2	1.68							0.83	1.75	0.21	0.92859
16130520	pheA	b2599	386	947081	1788951	0.399709	97	26.99							3.96	1.63	1.45	2.34832
16130521	tyrA	b2600	373	947115	1788952	0.420934	112	35.32	1	21.4	5	770.66			4.14	2.05	0.80	2.32886
16130522	aroF	b2601	356	947084	1788953	0.468801	87	22.97	0.65	16.9	1	154.05			11.94	4.63	2.36	6.3099
16130523	yfiL					0.322484										0.58	0.30	0.43963
16130524	b2603	b2603	172	947090	1788955	0.307182	34	10.9									0.31	
16130525	yfiN	b2604	408	947091	1788956	0.393399	106	27.95								0.51	0.47	0.48657
16130526	yfiB	b2605	160	947094	1788957	0.32652	42	11.97								1.03	0.81	0.91877
16130527	rplS	b2606	115	947096	1788958	0.703642	55	13.46	1	40.9	44	17795.89			12.28	24.00	4.19	13.488
16130528	trmD	b2607	255	947099	1788959	0.359554	64	19.04							24.79	51.92	23.03	33.2479
16130529	yfjA					0.47704										56.93	46.40	51.6652
16130530	rpsP	b2609	82	947103	1788961	0.722591	40	8.29	1	57.3	45	29550.86			18.99	28.75	23.82	23.853
16130531	ffh	b2610	453	947102	1788963	0.544152	178	42.55	0.45	3.8	2				4.92	2.34	2.15	3.13853
16130532	-					0.38088											0.48	
16130533	grpE	b2614	197	947097	1788967	0.595215	64	16.8	1	26.4	11	3564.48	6775.83	0.212	6.57	6.90	3.64	5.70384
16130534	yfjB	b2615	292	947092	1788968	0.395786	68	17.29								0.99	0.72	0.85358
16130535	recN					0.455189									0.90	1.15	0.38	0.80837
16130536	smpA					0.461614									3.16	5.97	1.33	3.48732
16130537	b2618					0.297558											0.58	
16130538	b2619	b2619	158	945614	1788972	0.338734	39	11.98							1.76	1.96	0.87	1.52672
16130539	smpB	b2620	160	947296	1788973	0.468064	74	11.81							5.38	2.21	1.99	3.1956
16130540	intA	b2622	413	946160	1788974	0.361783	144	37.73							1.36	0.59	0.35	0.76953
16130541	yfjH	b2623	318	946123	1788976	0.322627	106	22.88								0.19	0.13	0.15918
16130542	alpA	b2624	70	946758	1788977	0.215165	34	9.77										
16130543	yfjI	b2625	469	944764	1788978	0.310883	170	45.27										
16130544	yfjJ	b2626	208	947112	1788979	0.277433	84	20.34										
16130545	yfjK	b2627	729	947111	1788980	0.336262	227	65.62								0.31	0.21	0.26155
16130546	yfjL	b2628	538	947110	1788981	0.33173	189	47.52									0.52	
16130547	yfjM	b2629	87	947108	1788982	0.300908	26	7.67										
16130548	yfjN	b2630	357	947107	1788983	0.315605	77	18.7								3.60	2.23	2.91079
16130549	yfjO					0.400595										0.58		
16130550	yfjP					0.339835												
16130551	yfjQ	b2633	273	947127	1788987	0.35842	108	27.06										
16130552	yfjR	b2634	233	947309	1788988	0.318725	76	19.46										
16130553	b2636					0.371412												
16130554	yfjT	b2637	155	947616	1788990	0.327249	33	11.18										
16130555	b2638	b2638	104	945062	1788991	0.387074	23	7.56									0.32	
16130556	b2641					0.216951												
16130557	yfjW	b2642	567	947128	2367146	0.24564	148	34.38								0.18		
16130558	yfjX	b2643	152	947126	1788996	0.461873	17	5.66								0.89		
16130559	yfjY	b2644	160	947125	1788997	0.429886	45	13.75										
16130560	yfjZ	b2645	105	947123	1788998	0.451764	21	5.74										
16130561	ypjF	b2646	109	947131	1788999	0.374819	24	6.27										
16130562	ypjA					0.33005										0.78	0.15	0.46417
16130563	b2648	b2648	47	947250	1789002	0.410826	14	2.82										
16130564	b2649	b2649	263	945242	1789003	0.289593	75	17.85										
16130565	b2650	b2650	160	947640	1789004	0.324696	51	13.6										
16130566	b2651	b2651	43	946658	2367148	0.285953	10	2.94										
16130567	b2653	b2653	57	947146	1789006	0.321825	11	2.97										
16130568	b2654	b2654	110	945315	1789007	0.20896	35	9.98										

16130569	b2655					0.298244												
16130570	b2656					0.369627												
16130571	b2657					0.278311												
16130572	b2658	b2658	90	947141	1789012	0.232645	26	11.41										
16130573	b2659					0.41497											1.60	
16130574	ygaF					0.369973										0.52	4.43	2.47584
16130575	gabD	b2661	482	948060	1789015	0.520826	141	41.97							2.46		2.91	2.68432
16130576	gabT	b2662	426	948067	1789016	0.482723	111	28.87							2.89		2.30	2.59141
16130577	gabP	b2663	466	948049	1789017	0.362749	81	16.69							0.73		0.49	0.61207
16130578	ygaE					0.34042										2.67	1.59	2.13339
16130579	ygaU	b2665	149	947144	1789019	0.449086	49	18.33								1.17	4.29	2.73427
16130580	b2666	b2666	52	947138	1789020	0.396544	8	2.65									1.65	
16130581	b2667	b2667	99	947136	1789021	0.302987	28	8.05										
16130582	ygaP	b2668	174	947135	1789022	0.337549	44	13.41									0.23	
16130583	stpA	b2669	134	947130	1789023	0.556814	56	15.62	1	30.6	8	2788.18			12.27	10.33	5.91	9.5023
16130584	b2670	b2670	149	947147	1789025	0.445195	35	5.01										
16130585	ygaC	b2671	114	947156	1789026	0.346397	40	14.02									0.27	
16130586	ygaM					0.411204										2.49	6.23	4.35684
16130587	nrdH	b2673	81	947161	1789028	0.509898	25	8.3							3.08	1.07	4.42	2.85951
16130588	nrdI	b2674	136	947158	1789029	0.383464	48	14.83							1.85	0.70	2.37	1.64343
16130589	nrdE	b2675	714	947155	1789030	0.429952	195	49.02									0.69	
16130590	nrdF	b2676	319	947149	1789031	0.417831	71	19.42							0.58	0.47	0.59	0.54679
16130591	proV	b2677	400	947148	1789032	0.33876	131	34.62							1.57	0.30	6.06	2.64335
16130592	proW	b2678	354	947145	1789033	0.43931	41	8.64									6.65	
16130593	proX	b2679	330	947165	1789034	0.538848	66	16.11					13168.12	0.412	2.00		8.19	5.09331
16130594	b2682	b2682	245	945093	1789038	0.396563	35	6.61									1.34	
16130595	ygaH	b2683	111	945111	1789039	0.36868	26	6.2								2.70	2.47	2.58192
16130596	emrR	b2684	176	945282	1789040	0.411781	60	13.43	1	27.3	7	2837.49			8.86	4.65	5.53	6.34566
16130597	emrA	b2685	390	947166	1789041	0.491315	112	38.15							1.79	0.82	0.42	1.01258
16130598	emrB	b2686	512	947167	1789042	0.400266	53	7.34										
16130599	ygaG	b2687	171	947168	1789043	0.537205	47	13.52	0.5	18.1	3		8501.75	0.266		5.15	4.44	4.79196
16130600	gshA	b2688	518	944881	1789044	0.484738	154	34.98	0.55	9.5	2				12.33	7.22	6.01	8.52014
16130601	b2689	b2689	142	945419	1789045	0.288997	28	4.69									1.45	
16130602	yqaB	b2690	188	945776	1789046	0.38678	42	11.84								0.61	0.52	0.56613
16130603	csrA	b2696	61	947176	1789047	0.495997	23	6.67							8.96	11.87	9.71	10.1796
16130604	alaS	b2697	876	947175	1789048	0.584034	274	82.47	1	32.3	25	1650.27	447.46	0.014	14.90	13.38	8.60	12.2914
16130605	oraA	b2698	166	947172	1789050	0.446582	79	20.58										
16130606	recA	b2699	353	947170	1789051	0.675063	113	28.99	0.95	11.6	5	891.99			5.24	5.92	4.17	5.10947
16130607	ygaD	b2700	165	947169	1789052	0.443147	39	8.98								1.73	1.48	1.60195
16130608	mltB	b2701	361	947184	1789053	0.480916	76	20.91							2.28	1.93	1.21	1.80878
16130609	srlA					0.442696									0.36	0.36	0.75	0.48898
16130610	srlE					0.46117												
16130611	srlB	b2704	123	948971	1789056	0.432848	23	7.61							0.35	0.50	0.34	0.39756
16130612	srlD	b2705	259	948937	1789057	0.458655	59	14.63							0.48	0.33	0.38	0.39798
16130613	gutM	b2706	119	948938	1789058	0.329018	32	6.71							0.27			
16130614	srlR	b2707	257	948942	1789059	0.417581	65	18.22							1.32		0.70	1.00932
16130615	gutQ					0.493818												
16130616	ygaA					0.339674										1.00	0.44	0.7195
16130617	b2710	b2710	479	948979	1789064	0.505163	112	37.53										
16130618	ygbD	b2711	377	947088	1789065	0.382909	105	31.13										
16130619	hypF	b2712	750	944963	2367152	0.422854	144	31.06							0.74	0.67		0.70361
16130620	hydN	b2713	175	947190	1789067	0.596302	56	13.25							0.49			
16130621	ascG	b2714	337	947305	1789068	0.377037	95	26.59							1.26	0.80	0.55	0.87218
16130622	ascF					0.438061												
16130623	ascB	b2716	474	947460	1789070	0.488047	133	34.9							0.47			
16130624	hycI	b2717	156	947428	1789072	0.499168	23	6.07							1.33		0.47	0.90155
16130625	hycH	b2718	136	947438	1789073	0.444258	28	4.64							0.80			
16130626	hycG	b2719	255	947191	1789074	0.492725	75	19.84										
16130627	hycF	b2720	180	947048	1789075	0.514038	58	14.3										
16130628	hycE	b2721	569	947396	1789076	0.622677	179	52.92										
16130629	hycD	b2722	307	948994	1789077	0.52139	44	12.28										
16130630	hycC	b2723	608	945327	2367154	0.495428	80	20.73							0.33	0.45		0.39189
16130631	hycB	b2724	203	948002	1789079	0.458565	48	11.94										
16130632	hycA	b2725	153	947193	1789080	0.466662	43	10.62										
16130633	hypA	b2726	116	947195	1789081	0.401164	32	7.72							1.11	0.56	0.45	0.7066
16130634	hypB	b2727	290	947194	1789082	0.546159	72	17.67							0.80		0.37	0.58416
16130635	hypC	b2728	90	947192	1789083	0.478661	15	4.02										
16130636	hypD	b2729	373	947189	1789084	0.478516	73	18.26							1.58	0.81	0.84	1.07625
16130637	hypE	b2730	322	947182	1789085	0.477672	67	17.87							1.33		0.56	0.94408
16130638	fhlA	b2731	692	947181	1789087	0.429191	219	61.1	0.71	1.7	1	63.26			1.05	0.73	0.37	0.71763
16130639	ygbA	b2732	117	947187	1789088	0.516653	58	9.43									0.20	
16130640	mutS	b2733	853	947206	1789089	0.484387	251	68.12							1.13	1.44	0.47	1.01252
16130641	pphB	b2734	218	947196	1789090	0.329577	42	12.33							0.17	0.40		0.28418
16130642	ygbI	b2735	265	947204	1789091	0.324382	73	19.68								1.27	0.59	0.92969
16130643	b2736	b2736	302	947200	1789092	0.416876	48	15.39									0.22	
16130644	b2737	b2737	388	947199	1789093	0.432253	80	20.67										
16130645	ygbL	b2738	212	947197	1789094	0.358377	45	9.63								0.84	0.31	0.57482
16130646	ygbM	b2739	258	947207	1789095	0.369235	52	14.78								0.35		
16130647	b2740	b2740	454	947208	1789097	0.350621	58	10.93										
16130648	rpoS	b2741	330	947210	1789098	0.449916	122	35.42							13.31	11.03	13.90	12.7459
16130649	nlpD	b2742	379	947011	1789099	0.42379	69	18.83							24.28	34.23	52.22	36.9119
16130650	pcm	b2743	208	944923	1789100	0.346893	57	16.7							4.35	2.49	2.36	3.06543
16130651	surE	b2744	253	947211	1789101	0.388727	46	15.43							2.99	1.08	1.21	1.7633
16130652	ygbO	b2745	349	947214	1789102	0.430347	112	29.13								3.09	3.12	3.10685
16130653	ygbB	b2746	159	945057	1789103	0.409313	46	12.41								2.05	1.91	1.9789
16130654	ygbP	b2747	236	948269	1789104	0.365308	59	16.16								1.29	1.95	1.61798
16130655	b2748	b2748	103	946033	1789105	0.353257	29	8.87									2.63	
16130656	ygbE	b2749	107	947268	1789106	0.391531	2	1.02								1.01	0.41	0.71402
16130657	cysC	b2750	201	947221	1789107	0.357788	60	13.01							5.74	4.63	2.08	4.14911
16130658	cysN	b2751	475	947219	1789108	0.477273	119	35.97	1	22.9	21	3178.27			13.72	5.47	6.29	8.49432
16130659	cysD	b2752	302	947217	1789109	0.536808	108	24.81	1	30.1	26	5705.04			15.26	12.46	11.29	13.0045
16130660	iap	b2753	345	947215	1789111	0.321838	115	30.82							1.20	0.61		0.90402
16130661	ygbF					0.305854										0.57	0.30	0.43441
16130662	b2755	b2755	305	947228	1789113	0.32135	100	22.37									0.34	
16130663	b2756	b2756	199	947226	1789114	0.278773	65	14.58									0.27	
16130664	b2757					0.226014												
16130665	b2758	b2758	363	947224	1789116	0.406706	101	23.16										
16130666	ygcK	b2759	160	947223	1789117	0.259525	65	21.81								0.21	0.16	0.18659
16130667	b2760	b2760	502	947222	1789118	0.270568	134	36.36										
16130668	ygcB	b2761	888	947229	1789119	0.294529	205	45.03										
16130669	cysH	b2762	244	947230	1789121	0.472613	82	25.88	0.95	12.3	7	1398.84			10.86	8.23	5.46	8.18153
16130670	cysI	b2763	570	947231	1789122	0.523321	203	53.93	1	34.7	37	3734.94			7.35	5.29	6.32	6.32299
16130671	cysJ	b2764	599	947239	1789123	0.481902	165	43.3	1	25.4	49	6160.56			14.72	8.95	8.48	10.7133
16130672	ygcM	b2765	121	945123	1789124	0.452179	29	8.81								1.06	0.44	0.75045
16130673	ygcN					0.382053												
16130674	ygcO					0.391213												
16130675	ygcP	b2768	191	947536	1789127	0.398543	52	13.88										
16130676	ygcQ					0.380581										1.12		

16130677	ygcR					0.355004												
16130678	ygcS					0.347436												
16130679	b2772					0.61987												
16130680	ygcU					0.460761												
16130681	ygcW					0.402439												
16130682	yqcE	b2775	425	947248	2367161	0.40505	67	14.08										
16130683	ygcE	b2776	492	946193	1789138	0.423171	101	29.27										
16130684	ygcF	b2777	223	947527	1789139	0.408584	67	18.48								0.93	0.54	0.73646
16130685	ygcG					0.316471										0.08	0.06	0.06949
16130686	eno	b2779	432	945032	1789141	0.867974	140	34.74	1	47	72	11282.75	28190.00	0.882	22.61	25.82	13.83	20.7545
16130687	pyrG	b2780	545	946116	1789142	0.574737	159	37.37					3451.84	0.108	11.90	6.15	9.96	9.33863
16130688	mazG	b2781	263	947254	1789144	0.472459	93	24.16							3.51	1.58	1.11	2.0685
16130689	chpA	b2782	111	947252	1789145	0.36398	33	10.05							4.03	1.74	0.85	2.20384
16130690	chpR	b2783	82	947245	1789146	0.378368	24	7.88							3.59	2.46	1.65	2.56694
16130691	relA	b2784	744	947244	1789147	0.468383	256	68.66							2.39	0.95	1.02	1.45391
16130692	ygcA	b2785	433	947243	1789148	0.360702	135	36.37								0.99	1.22	1.1022
16130693	barA	b2786	918	947255	1789149	0.402389	235	71.29							1.02	0.56	0.41	0.66126
16130694	ygcX	b2787	446	947258	1789150	0.518197	106	31.52								0.72		
16130695	ygcY	b2788	446	947261	1789151	0.444658	106	32.88								1.14		
16130696	b2789	b2789	450	947265	1789152	0.460365	75	18.4										
16130697	b2790	b2790	149	947151	1789154	0.418526	17	5.01									1.17	
16130698	yqcB	b2791	260	947242	1789155	0.39599	81	23.87									0.43	
16130699	b2792	b2792	109	946027	1789156	0.443703	22	7.25									1.17	
16130700	syd	b2793	181	947271	1789157	0.343729	33	9.6							2.47	1.01	0.77	1.41677
16130701	yqcD	b2794	282	947270	1789158	0.444618	85	24.75								0.80	0.69	0.74443
16130702	ygdH	b2795	454	947266	1789159	0.466618	135	40.36									1.31	
16130703	sdaC	b2796	429	947264	1789160	0.706517	67	12.84							1.41	0.87	1.09	1.12471
16130704	sdaB	b2797	455	947262	1789161	0.574164	104	24.52									0.31	
16130705	exo					0.35441									0.67	0.54	0.29	0.49998
16130706	fucO	b2799	383	947273	1789163	0.473064	85	23.13					3387.91	0.106	0.34		0.24	0.28981
16130707	fucA	b2800	215	947282	1789164	0.37119	50	11.57							0.39	0.27	0.50	0.38526
16130708	fucP	b2801	438	947487	1789166	0.362568	57	10.88										
16130709	fucI	b2802	591	946195	1789167	0.542582	137	33.36							0.70			
16130710	fucK	b2803	482	946022	1789168	0.372239	103	30.33							1.41	0.99	0.55	0.982
16130711	fucU	b2804	140	945842	1789169	0.333237	35	8.6							1.86	1.58	1.22	1.55463
16130712	fucR	b2805	243	946905	1789170	0.378545	81	19.61							1.37	0.76	1.64	1.25778
16130713	ygdE	b2806	366	947283	1789171	0.47377	114	27.54								1.43	0.52	0.97536
16130714	ygdD	b2807	131	947279	1789172	0.457437	22	3.38								1.10	0.85	0.97663
16130715	gcvA	b2808	305	947278	1789173	0.313528	98	28.8							1.16		0.52	0.83532
16130716	b2809					0.585123											0.85	
16130717	b2810	b2810	401	947275	1789175	0.409639	78	20.64									0.53	
16130718	ygdK	b2811	147	947274	1789176	0.35924	40	15.47								0.80	0.40	0.5965
16130719	ygdL	b2812	268	947291	1789177	0.45691	79	14.24								0.69	0.51	0.60072
16130720	mltA	b2813	365	944964	1789179	0.51331	103	26.89							2.57	1.30	0.59	1.48675
16130721	b2817					0.40694											0.62	
16130722	argA	b2818	443	947289	1789181	0.412592	131	30.6	0.66	23.7	1	117.42			4.66	3.43	1.90	3.32711
16130723	recD	b2819	608	947287	1789182	0.360043	182	55.81							1.03	0.62	0.30	0.6489
16130724	recB	b2820	1180	947286	1789183	0.419072	330	100.4							1.86	0.77	0.73	1.12092
16130725	ptr	b2821	962	947284	2367164	0.433377	276	81.2	0.58	5	3		2397.11	0.075	2.53	1.66	1.08	1.75694
16130726	recC	b2822	1122	947294	1789186	0.418171	280	74.24							0.88	0.76	0.55	0.73091
16130727	ppdC	b2823	107	945797	1789187	0.303185	26	7.59										
16130728	ygdB					0.332995										0.50	0.30	0.40128
16130729	ppdB	b2825	187	948985	1789189	0.414196	52	16.22							1.06	0.91	0.38	0.7797
16130730	ppdA	b2826	156	945393	1789190	0.284788	36	12.04										
16130731	thyA	b2827	264	949035	1789191	0.546938	62	17.94							6.45	3.32	3.31	4.36173
16130732	lgt	b2828	291	947303	1789192	0.481477	48	12.67							3.77	1.67	1.49	2.30856
16130733	ptsP	b2829	748	947301	1789193	0.377856	233	68.28							2.65	1.37	1.25	1.75777
16130734	ygdP	b2830	176	947300	1789194	0.36474	64	12.53								4.17	3.86	4.01238
16130735	mutH	b2831	229	947299	1789196	0.346598	62	17.4	0.35	4.4	1				0.60			
16130736	b2832	b2832	237	947295	1789197	0.418415	50	12.52										
16130737	b2833	b2833	72	947304	1789198	0.447813	13	1.4									0.77	
16130738	b2834	b2834	346	947306	1789199	0.427705	79	21.58									1.70	
16130739	ygeD	b2835	397	947317	1789200	0.388356	55	10.64										
16130740	aas	b2836	719	947315	1789201	0.425955	229	74.78							1.65	1.10	0.90	1.21602
16130741	galR	b2837	343	947314	1789202	0.424779	76	21.7							1.56	0.73	0.48	0.92198
16130742	lysA	b2838	420	947313	1789203	0.428602	83	19.56	0.91	4	1	253.27			2.30	1.27	0.85	1.47283
16130743	lysR	b2839	311	947311	1789204	0.318007	73	20.91										
16130744	ygeA	b2840	230	947348	1789205	0.360584	55	14.39								0.74	0.67	0.70708
16130745	araE	b2841	472	947341	1789207	0.447896	102	17.45							0.85		0.28	0.5669
16130746	kduD	b2842	253	947323	1789208	0.421658	57	19.88										
16130747	kduI	b2843	278	947319	1789209	0.456016	64	18.41							0.41		0.36	0.38589
16130748	yqeF					0.377712											0.80	
16130749	b2845	b2845	409	945028	1789211	0.337869	57	11.24										
16130750	yqeH					0.28394												
16130751	yqeI	b2847	269	947327	1789213	0.303277	80	18.22										
16130752	yqeJ					0.259154												
16130753	yqeK					0.239484												
16130754	ygeF	b2850	148	946823	2367169	0.239689	52	13.79										
16130755	ygeG	b2851	163	946986	1789215	0.335795	38	12.05										
16130756	ygeH	b2852	458	946265	1789216	0.260026	136	32.5										
16130757	b2853	b2853	72	947336	1789217	0.302168	4	0.92										
16130758	b2854					0.267548												
16130759	ygeK					0.300925												
16130760	b2856	b2856	51	947332	1789220	0.315374	16	2.01										
16130761	b2857	b2857	143	947330	1789221	0.308494	31	10.35										
16130762	b2859	b2859	141	947325	1789223	0.191113	41	9.96							0.09			
16130763	yi22_4	b2860	301	947346	1789224	0.290326	121	31.49								1.28		
16130764	yi21_4					0.289333												
16130765	b2862	b2862	99	947345	1789226	0.228645	40	13.47										
16130766	b2863					0.307605												
16130767	b2865					0.334487											0.50	
16130768	b2866	b2866	752	947116	1789230	0.413155	173	46.68									0.25	
16130769	ygeT	b2867	292	947205	1789231	0.405572	72	23.17										
16130770	b2868	b2868	159	945148	1789232	0.348854	33	6.56									0.23	
16130771	ygeV	b2869	592	947320	1789233	0.335262	161	43.14								0.40	0.31	0.35708
16130772	ygeW					0.579416												
16130773	ygeX	b2871	398	947012	1789235	0.535293	91	22.01										
16130774	ygeY	b2872	403	947360	1789236	0.662868	108	31.29										
16130775	b2873					0.397575												
16130776	yqeA	b2874	310	947358	1789238	0.49998	84	22.27										
16130777	b2875	b2875	541	947357	1789240	0.367265	136	37.84									0.40	
16130778	b2876					0.324273												
16130779	ygfJ	b2877	192	947356	1789242	0.284746	34	7.46									0.21	
16130780	b2878	b2878	1032	949068	1789243	0.478267	286	87.16										
16130781	b2879					0.433881												
16130782	b2880	b2880	259	949071	1789245	0.436304	78	20.39										
16130783	b2881	b2881	956	949079	1789246	0.510218	231	53.83										
16130784	ygfO					0.344626												

16130785	ygfP	b2883	439	947366	1789249	0.440276	136	37.54										
16130786	ygfQ					0.440019										0.48	0.26	0.37229
16130787	ygfR					0.422961												
16130788	ygfS					0.329615												
16130789	ygfT					0.403666												
16130790	ygfU					0.338152												
16130791	b2889	b2889	182	949020	1789255	0.376738	43	9.5									0.43	
16130792	lysS	b2890	505	947372	1789256	0.669024	154	43.52	1	26.7	17	2126.53			3.36	1.75	1.87	2.32639
16130793	prfB	b2891	365	947369	2367172	0.5631	125	32.15	1	26	9	1523.96	10131.78	0.317	14.25	8.00	10.82	11.0247
16130794	recJ	b2892	577	947367	1789259	0.408971	160	45.12							1.04	0.82	0.49	0.78382
16130795	dsbC	b2893	236	947363	1789260	0.501626	65	16.75	0.96	14.4	1	312.01	2652.80	0.083	3.62	2.21	2.25	2.6952
16130796	xerD	b2894	298	947362	1789261	0.368642	98	32.48							5.72	3.21	2.49	3.80795
16130797	fldB	b2895	173	947361	1789262	0.511525	23	4.4							1.91	1.77	0.79	1.49054
16130798	b2896	b2896	135	947379	1789263	0.311412	49	10.18									0.96	
16130799	ygfY	b2897	88	947382	1789264	0.511445	31	4.86								1.77	3.13	2.45003
16130800	ygfZ	b2898	326	947384	1789265	0.494298	94	26.44	1	18.1	10	2058.97	3771.45	0.118		1.93	2.46	2.19165
16130801	b2899	b2899	219	947381	1789266	0.366698	28	3.78									0.40	
16130802	yqfB	b2900	103	947380	1789267	0.509733	30	9.63								2.68	2.79	2.73508
16130803	bglA	b2901	479	947378	2367174	0.560922	147	36.7							3.23	1.47	2.38	2.36201
16130804	ygfF	b2902	247	947373	2367175	0.315447	46	10.94										
16130805	gcvP	b2903	957	947394	1789269	0.583049	211	57.65	1	18.5	9	849.88			2.44	1.14	0.67	1.41514
16130806	gcvH	b2904	129	947393	1789271	0.619278	16	4.04	0.99	17.8	4	5336.13			15.22	9.54	8.72	11.1626
16130807	gcvT	b2905	364	947390	1789272	0.520924	93	21.82	0.68	20.3	1	169.65	5305.60	0.166	4.87	2.80	2.50	3.38916
16130808	visC	b2906	400	947389	1789273	0.417853	105	29.89							1.88	1.11	0.66	1.21757
16130809	ubiH	b2907	392	947388	1789274	0.402557	95	26.06							2.02	0.80	1.01	1.27676
16130810	pepP	b2908	441	947385	1789275	0.519736	110	27.32	0.66	10	1	131.52			4.88	1.22	3.15	3.08247
16130811	ygfB					0.496418										5.05	8.18	6.61958
16130812	ygfE	b2910	109	947404	1789277	0.372245	37	12.28								4.72	1.98	3.3468
16130813	ygfA					0.332757												
16130814	serA	b2913	410	945258	1789279	0.521108	96	26.22	1	42.2	113	23461.62			23.43	14.97	10.04	16.1449
16130815	rpiA	b2914	219	947407	1789280	0.534736	48	12.95	1	21.5	4	1681.52	3707.53	0.116	9.11	2.85	2.84	4.93375
16130816	yqfE	b2915	76	946707	1789281	0.234973	22	8.15										
16130817	iciA	b2916	297	944867	1789283	0.38688	81	20.19							0.96	0.55	0.38	0.62841
16130818	sbm	b2917	714	945576	1789284	0.494434	177	48.41										
16130819	ygfD	b2918	331	947412	1789285	0.377659	98	32.38										
16130820	ygfG					0.462613										0.68	0.23	0.45781
16130821	ygfH	b2920	492	947402	1789287	0.420211	108	33.67										
16130822	ygfI					0.313935												
16130823	yggE	b2922	246	947398	1789289	0.442739	73	21.59								1.67	4.12	2.89666
16130824	yggA	b2923	211	947418	1789290	0.38233	31	5.83								0.49		
16130825	yggB	b2924	286	947416	1789291	0.466815	69	20.09								2.36	5.03	3.694
16130826	fba	b2925	359	947415	1789293	0.816595	79	18.34	1	43.2	55	16325.84	18409.79	0.576	7.59	5.88	6.42	6.63143
16130827	pgk	b2926	387	947414	1789294	0.773682	114	32.63	1	56.3	88	14681.75	13871.27	0.434	15.67	12.88	21.18	16.5751
16130828	epd	b2927	339	947413	1789295	0.383786	92	26.82							3.88	3.33	2.05	3.0878
16130829	yggC	b2928	237	947419	1789296	0.34529	54	14.72								0.37	0.40	0.3815
16130830	yggD	b2929	169	946861	1789297	0.376736	32	8.42								1.86	0.98	1.41783
16130831	yggF	b2930	321	947410	1789298	0.407273	75	23.24										
16130832	b2931					0.429231												
16130833	yggP					0.330458												
16130834	cmtA	b2933	462	945256	1789301	0.410172	84	17.56								0.56		
16130835	cmtB	b2934	147	945125	1789302	0.305444	21	6.27							0.15			
16130836	tktA					0.745383							3643.61	0.114	4.15	3.77	2.38	3.43493
16130837	yggG					0.388484										0.82	0.80	0.81014
16130838	speB	b2937	306	947715	1789306	0.606511	74	17.19	0.98	11.8	4	1241.43			4.38	2.16	2.21	2.91793
16130839	speA	b2938	658	947432	1789307	0.554599	142	36.36	1	18.8	21	3144.18			3.55	2.21	1.84	2.53293
16130840	yqgB	b2939	48	947433	1789308	0.307253	10	1.51								1.69	2.13	1.91216
16130841	yqgC	b2940	71	945052	1789309	0.264345	32	5.82										
16130842	yqgD	b2941	83	945430	1789310	0.329766	18	4.82										
16130843	metK	b2942	384	945389	1789311	0.689788	99	25.45	1	41.1	56	11978.78	1438.27	0.045	9.58	5.89	3.45	6.30961
16130844	galP	b2943	464	947434	1789312	0.514638	89	14.45							1.21	0.51	0.37	0.69578
16130845	sprT	b2944	165	947443	1789313	0.454857	70	16.31							0.56			
16130846	endA	b2945	235	949092	1789314	0.530809	87	18.38							0.40			
16130847	yggJ					0.398166										1.44	2.38	1.90914
16130848	gshB	b2947	316	947445	1789316	0.538416	95	27.15					1598.07	0.05	4.15	1.95	1.78	2.62934
16130849	yqgE					0.432441										1.68	1.45	1.56806
16130850	yqgF	b2949	138	947439	1789318	0.456943	45	14.24								1.54	0.89	1.21139
16130851	yggR					0.286348												
16130852	yggS	b2951	234	947423	1789321	0.43805	64	20.12					2205.34	0.069		2.88	3.20	3.03584
16130853	yggT	b2952	188	947421	1789322	0.440778	28	7.19	0.34	9.6	1					1.85	2.81	2.32794
16130854	yggU					0.420533										2.96	3.46	3.20953
16130855	yggV	b2954	197	947429	1789324	0.558421	57	15.15								1.98	1.48	1.73053
16130856	yggW	b2955	378	947446	1789325	0.439745	84	20.72								0.76	0.47	0.61474
16130857	yggM	b2956	335	947455	1789326	0.414433	132	30.41								0.24	0.14	0.1916
16130858	ansB	b2957	348	947454	1789327	0.582509	86	27.68										
16130859	yggN	b2958	239	947453	1789328	0.490978	86	21.61					862.96	0.027		2.06	1.53	1.79646
16130860	yggL					0.54912										6.66	6.22	6.43928
16130861	yggH	b2960	239	947448	1789330	0.499421	64	15.46								1.84	2.95	2.39571
16130862	mutY	b2961	350	947447	1789331	0.370268	84	20.77							2.80	3.10	1.53	2.4766
16130863	yggX	b2962	91	947461	1789332	0.509841	32	9.98	0.95	15.4	2	1036.42				5.26	3.45	4.35575
16130864	mltC					0.429302									2.62	2.15	1.50	2.08579
16130865	nupG					0.544287									0.49	0.58	0.24	0.43796
16130866	speC					0.396778									1.52	0.95	0.47	0.97927
16130867	yqgA	b2966	235	947462	1789338	0.363653	30	5.65								0.57	0.21	0.3896
16130868	yghD	b2968	178	947025	1789339	0.302621	59	18.08								0.73	0.20	0.46652
16130869	yghE	b2969	286	945897	1789340	0.361228	84	27.83										
16130870	b2970	b2970	288	947469	1789341	0.428189	95	29.84										
16130871	b2971	b2971	136	947470	1789342	0.265067	36	7.84										
16130872	b2972					0.285938											0.44	
16130873	b2973					0.538798												
16130874	b2974					0.453096											0.41	
16130875	yghK	b2975	560	947259	1789347	0.406853	49	12.77									0.61	
16130876	glcB	b2976	723	948857	1789348	0.500077	204	54.55							1.19	0.50	1.35	1.01342
16130877	glcG	b2977	134	947473	1789349	0.484309	29	6.02							5.20	2.93	6.41	4.84569
16130878	glcF					0.38112									2.04	0.79	1.41	1.41125
16130879	glcD	b2979	499	947353	1789351	0.428492	112	33.42							0.44		0.68	0.55905
16130880	glcC	b2980	254	947466	1789353	0.355895	89	23.34							2.17	1.28	1.43	1.6278
16130881	b2981	b2981	390	947701	1789354	0.402861	104	24.77							0.67	0.57		0.61681
16130882	trs5_9	b2982	338	947516	1789355	0.393106	118	27.04										
16130883	yghQ					0.345427												
16130884	yghR	b2984	252	947310	1789357	0.379392	89	23.39										
16130885	yghS	b2985	237	947476	1789358	0.332633	74	22.68										
16130886	yghT	b2986	230	947477	1789359	0.351772	84	19.84										
16130887	pitB	b2987	499	947475	1789360	0.403344	92	16.97										
16130888	gsp	b2988	619	947474	1789361	0.521972	162	43.62							1.32	0.94	0.39	0.88407
16130889	b2989					0.448381											3.10	
16130890	hybG	b2990	82	948020	1789364	0.501379	11	2.31							0.89	0.90	0.33	0.70809
16130891	hybF	b2991	113	948004	1789365	0.397868	16	4.77							0.55			
16130892	hybE	b2992	162	947483	1789366	0.421927	32	6.58							0.79	0.85	0.30	0.64796

16130893	hybD	b2993	164	948982	1789367	0.383331	36	14.18							0.72	1.42		1.07388
16130894	hybC	b2994	567	945182	1789368	0.617041	132	34.5							0.69			
16130895	hybB	b2995	392	948615	2367183	0.499915	61	13.56							0.58			
16130896	hybA	b2996	328	944842	1789370	0.533396	92	25.8							0.90	1.03	0.28	0.73794
16130897	b2997	b2997	372	945902	1789371	0.539042	77	14.24									0.32	
16130898	b2998	b2998	95	947485	1789372	0.368025	40	12.14										
16130899	b3001	b3001	346	947480	1789375	0.388763	101	30.7									0.77	
16130900	yqhA	b3002	164	947479	1789376	0.433418	34	7.15								2.32	1.08	1.69637
16130901	yghA	b3003	294	947478	1789378	0.449071	80	24.69								1.52	1.66	1.58907
16130902	b3004	b3004	81	947486	1789379	0.352357	21	8.6										
16130903	exbD	b3005	141	946345	1789380	0.479257	23	7.28							5.15	2.19	3.29	3.54245
16130904	exbB	b3006	244	945420	1789381	0.480578	52	10.6							5.71	3.53	6.06	5.09985
16130905	b3007	b3007	51	948312	1789382	0.298629	15	2.13									0.10	
16130906	metC	b3008	395	946240	1789383	0.402368	88	25.88	1	16.2	9	1893.17			3.79	2.41	2.48	2.89604
16130907	yghB	b3009	219	947490	1789384	0.397467	37	11.01								1.39	0.59	0.99357
16130908	yqhC					0.348028											0.58	
16130909	yqhD	b3011	387	947493	1789386	0.571738	95	27.63					1054.73	0.033		0.58	1.48	1.02631
16130910	yqhE					0.462004											1.77	
16130911	yqhG					0.373155											0.25	
16130912	yqhH	b3014	85	946832	1789390	0.357644	29	6.97										
16130913	sufI	b3017	470	944982	1789394	0.410717	106	33.08							1.51	0.74	0.32	0.85813
16130914	plsC	b3018	245	947496	1789395	0.434999	74	17.91							2.24	1.45	1.11	1.59811
16130915	parC	b3019	752	947499	1789396	0.522311	253	64.4	1	11.8	4	338.13			3.19			
16130916	b3020	b3020	535	947140	1789397	0.393523	139	41.66									0.55	
16130917	b3021	b3021	131	945814	1789398	0.350666	50	14.68									0.26	
16130918	b3022	b3022	98	947500	1789399	0.319086	30	6.6									0.59	
16130919	b3023					0.4225											0.55	
16130920	ygiW	b3024	130	946051	1789401	0.551939	38	11.81								0.81	3.34	2.07172
16130921	ygiX	b3025	219	945369	1789402	0.401313	79	21.35								0.56	0.35	0.45599
16130922	ygiY	b3026	449	947174	1789403	0.334658	120	39.76										
16130923	b3027	b3027	110	946450	1789404	0.239595	23	3.85										
16130924	mdaB	b3028	193	947512	1789406	0.566638	56	17.07	0.31	24.4	2				2.96	1.35	2.30	2.20447
16130925	ygiN	b3029	104	947506	1789407	0.585651	21	5.57								3.38	7.29	5.33584
16130926	parE	b3030	630	947501	1789408	0.521763	181	50.46							1.31	1.38	0.51	1.06776
16130927	yqiA	b3031	193	947488	1789409	0.440693	14	3.55								1.63	1.14	1.38618
16130928	icc	b3032	275	947515	1789410	0.438481	42	11.93							3.70	1.98	1.75	2.47702
16130929	yqiB	b3033	140	947518	1789411	0.350181	45	11.8								2.30	1.79	2.04511
16130930	yqiE	b3034	209	947519	1789412	0.348855	55	17.02								1.70	1.39	1.54531
16130931	tolC					0.482252									5.96	3.74	4.71	4.80116
16130932	ygiA	b3036	86	945157	1789414	0.332844	30	6.8									0.54	
16130933	ygiB					0.542093										3.86	8.13	5.99461
16130934	ygiC	b3038	386	947249	1789416	0.506785	93	25.98								2.10	2.54	2.32141
16130935	ygiD	b3039	271	946447	1789417	0.36757	37	11.06								0.47		
16130936	ygiE	b3040	257	947035	1789419	0.312934	19	3.63								0.86	0.57	0.71632
16130937	ribB	b3041	217	947526	1789420	0.561142	46	9.89	0.85	17.5	2	935.76	5753.06	0.18	2.66	2.13	1.51	2.09823
16130938	b3042					0.357879											5.58	
16130939	ygiL	b3043	183	947522	1789422	0.580435	41	10.23										
16130940	yi21_5					0.289333										1.83		
16130941	yi22_5	b3045	301	947517	1789424	0.290326	121	31.49										
16130942	yqiG					0.348995												
16130943	yqiH					0.305423												
16130944	yqiI	b3048	354	947535	1789427	0.317522	67	14.7										
16130945	glgS	b3049	66	947533	1789428	0.415005	15	4.22							5.61	2.09	2.51	3.40256
16130946	b3050	b3050	209	947530	1789429	0.293979	24	5.14										
16130947	b3051	b3051	553	947537	1789430	0.434915	172	49.78										
16130948	b3052	b3052	477	947548	1789432	0.48552	126	36.92	0.96	5	3	424.66	2461.03	0.077	2.43	0.95	0.93	1.4366
16130949	glnE	b3053	946	947552	1789433	0.414278	269	69.5							5.27	1.62	1.80	2.89452
16130950	ygiF	b3054	433	947554	1789434	0.470646	114	30.48	0.26	7.4	1					1.38	2.31	1.84543
16130951	ygiM	b3055	206	947555	1789435	0.466194	67	20.86	0.69	17	5	900.36				1.43	2.24	1.83722
16130952	cca	b3056	412	947553	1789436	0.424952	136	43.24	0.34	15.3	1				2.09		0.85	1.46891
16130953	bacA	b3057	273	947551	1789437	0.415139	45	12.57							0.95	1.16	0.35	0.82147
16130954	ygiG					0.445057										2.12	0.95	1.53713
16130955	ygiH	b3059	205	947561	1789439	0.352588	40	6.38										
16130956	ygiP	b3060	310	947562	1789440	0.351062	87	25.53										
16130957	ttdA	b3061	303	947565	1789442	0.409969	77	22.78										
16130958	ttdB	b3062	201	947568	1789443	0.535115	64	17.52										
16130959	ygjE	b3063	487	947576	1789444	0.396801	52	10.92	0.6	11.3	2	598.23						
16130960	ygjD	b3064	337	947578	1789445	0.46195	78	23.28					926.88	0.029		2.14	1.03	1.58511
16130961	rpsU	b3065	71	947577	1789446	0.768434	50	6.38	1	25.4	11	9386.08			16.78	19.12	18.62	18.1723
16130962	dnaG	b3066	581	947570	1789447	0.355427	172	53.2							3.67	1.98	1.08	2.24461
16130963	rpoD	b3067	613	947567	1789448	0.668977	208	44.47	0.99	14.5	4	484.78			4.46	2.29	2.26	3.00571
16130964	ygjF	b3068	168	947560	1789449	0.366915	49	15.04								1.86	1.85	1.8532
16130965	yqjH	b3070	254	947582	1789450	0.447333	70	16.31								1.24	1.80	1.51954
16130966	yqjI	b3071	207	947584	1789452	0.4873	74	18.19								0.50	0.67	0.58293
16130967	aer	b3072	506	945301	1789453	0.412389	133	39.26							1.01	2.78	0.52	1.43744
16130968	ygjG					0.404005											1.19	
16130969	ygjH	b3074	110	946251	1789455	0.46733	35	8.64								1.10		
16130970	ebgR	b3075	327	947586	1789456	0.437987	99	27.86							0.78		0.51	0.64567
16130971	ebgA					0.521512										0.80		
16130972	ebgC	b3077	149	947581	1789458	0.438029	47	12.26										
16130973	ygjI					0.445637												
16130974	ygjJ	b3079	356	947597	1789461	0.480192	69	18.37									0.15	
16130975	ygjK	b3080	783	947596	1789462	0.489979	214	58.82								0.85	0.48	0.66286
16130976	ygjL	b3081	672	947594	1789463	0.389292	168	46.27										
16130977	ygjM	b3082	138	947593	1789464	0.355415	26	7.25								0.90	0.31	0.60678
16130978	ygjN	b3083	104	947591	1789465	0.437627	45	12.92								0.37	0.17	0.27285
16130979	ygjO					0.460925										0.91	0.33	0.61991
16130980	ygjP					0.39011										0.78	0.45	0.61594
16130981	ygjQ	b3086	230	947598	1789468	0.389124	83	21.39								0.26	0.15	0.20248
16130982	ygjR	b3087	334	947600	2367190	0.443859	67	16.54								0.63	0.53	0.58289
16130983	ygjT					0.45145												
16130984	ygjU	b3089	414	947605	1789473	0.498581	48	12.34								0.64	1.33	0.98647
16130985	ygjV	b3090	183	947604	1789474	0.355796	47	9.81										
16130986	uxaA	b3091	495	947603	1789475	0.532328	126	31.09	0.53	8.1	1							
16130987	uxaC	b3092	470	947599	2367192	0.693378	135	43.44							1.72	0.71	1.18	1.2045
16130988	exuT	b3093	472	947601	2367193	0.584788	77	18.26							1.11	0.77	0.52	0.79842
16130989	exuR					0.535072									3.16	1.91	1.37	2.14643
16130990	yqjA	b3095	220	947643	1789481	0.347441	36	8.59								1.58	0.79	1.18542
16130991	yqjB	b3096	127	947619	1789482	0.350339	31	8.97									0.39	
16130992	yqjC					0.437442										3.40	10.62	7.01144
16130993	yqjD	b3098	101	947614	1789485	0.473441	43	9.73								3.37	14.28	8.82915
16130994	yqjE	b3099	134	947611	1789486	0.376884	36	10.61								1.66	4.77	3.21848
16130995	b3100	b3100	99	947610	1789487	0.393665	49	13.33									1.13	
16130996	yqjF					0.525065												
16130997	yqjG	b3102	328	947615	1789489	0.479687	87	27.51								0.47	0.52	0.49809
16130998	yhaH	b3103	121	947617	2367196	0.464163	36	7.09								1.33	0.84	1.08609
16130999	yhaI	b3104	118	947612	1789491	0.398014	25	3.93										
16131000	yhaJ	b3105	298	947621	1789492	0.367972	104	31.91								0.65	0.48	0.56602

16131001	yhaK	b3106	233	947620	1789493	0.329142	60	19.97							0.49	0.18	0.33431
16131002	yhaL					0.452227									1.46	1.51	1.48643
16131003	yhaO					0.406218											
16131004	yhaP					0.477614									0.71		
16131005	yhaQ					0.28754											
16131006	yhaR					0.409283											
16131007	tdcE					0.529299								0.50	0.67	0.22	0.46497
16131008	tdcD	b3115	406	947635	1789503	0.394894	89	24.27						0.18			
16131009	tdcC	b3116	443	947629	1789504	0.55041	75	13.13						0.31	0.50	0.16	0.32519
16131010	tdcB	b3117	329	947633	1789505	0.472868	90	22.03									
16131011	tdcA	b3118	312	947494	1789506	0.328007	75	21.15									
16131012	tdcR					0.26117											
16131013	yhaB					0.30679											
16131014	yhaC	b3121	395	947557	1789509	0.270505	97	26.7	0.23	5.6	1						
16131015	b3122					0.223692											
16131016	yhaD					0.409612									1.01	0.36	0.68124
16131017	yhaE					0.538116									1.01	0.80	0.90464
16131018	yhaF	b3126	256	947630	1789514	0.482597	50	16.6									
16131019	yhaU	b3127	444	947642	1789515	0.471551	78	18.31									
16131020	yhaG	b3128	523	947641	1789516	0.427727	125	33.86								0.41	
16131021	sohA	b3129	111	947639	1789517	0.400911	29	10.32						3.92	2.28	2.19	2.79839
16131022	yhaV	b3130	154	947638	1789518	0.336493	67	15.58							0.81	0.78	0.79264
16131023	agaR	b3131	269	947636	1789519	0.415209	82	20.63						4.70	2.25	1.23	2.7284
16131024	agaZ	b3132	426	947637	1789520	0.495368	89	22.26									
16131025	agaV					0.441625											
16131026	agaW	b3134	133	947647	1789522	0.452494	3	0.93									
16131027	agaA					0.392737								0.61	0.75	0.35	0.56976
16131028	agaS	b3136	384	947645	1789525	0.501111	65	20.1									
16131029	agaY	b3137	286	947644	1789526	0.449557	74	19.77									
16131030	agaB	b3138	158	947653	1789527	0.49673	51	15.07									
16131031	agaC	b3139	267	947652	1789528	0.410138	28	6.6									
16131032	agaD	b3140	263	947649	1789529	0.417108	59	12.15									
16131033	agaI	b3141	251	947985	1789530	0.357579	58	14.45						0.21	0.25	0.15	0.2039
16131034	yraH	b3142	194	947658	1789531	0.452823	33	7.78							0.23	0.12	0.17757
16131035	yraI	b3143	231	947657	1789532	0.30431	79	24.28									
16131036	yraJ	b3144	838	947656	1789533	0.367021	176	46.77									
16131037	yraK	b3145	363	947654	1789534	0.323486	71	18.66									
16131038	yraL	b3146	286	947664	1789535	0.44402	84	25.28							0.56	0.53	0.54693
16131039	yraM	b3147	678	947663	1789537	0.465246	136	42.45								1.37	
16131040	yraN	b3148	131	947662	1789538	0.355652	56	16.57							2.25	1.63	1.93792
16131041	yraO	b3149	196	947661	1789539	0.389199	44	10.86							2.29	2.46	2.37785
16131042	yraP	b3150	191	947659	1789540	0.468587	58	17.14							2.44	2.23	2.33549
16131043	yraQ	b3151	346	947668	1789541	0.395169	49	11.21	0.51	6.6	1				2.36	0.53	1.44795
16131044	yraR					0.320314										0.44	
16131045	yhbO					0.410526									0.60	0.57	0.58728
16131046	yhbP	b3154	147	947665	1789544	0.425379	55	15.49							0.94	0.50	0.71816
16131047	yhbQ	b3155	100	947671	1789545	0.352279	44	11.46								0.53	
16131048	yhbS	b3156	167	947670	1789546	0.465542	35	10.07				1725.92	0.054		1.86	0.63	1.24525
16131049	yhbT	b3157	174	947669	1789547	0.422931	52	20.58							3.00	2.39	2.6927
16131050	yhbU	b3158	331	949115	1789548	0.439548	93	26.55									
16131051	yhbV					0.465136											
16131052	yhbW	b3160	335	947677	1789551	0.396657	68	18.14	0.27	5.7	1					1.08	
16131053	mtr	b3161	414	947675	1789552	0.444815	53	7.82						1.01	0.65		0.83077
16131054	deaD					0.681165								3.51	2.80	0.89	2.40171
16131055	yhbM	b3163	294	947673	1789554	0.335895	67	22.05							5.90	4.27	5.08191
16131056	pnp					0.704794								13.95	8.23	6.67	9.61548
16131057	rpsO	b3165	89	947686	1789556	0.714215	39	6.5	1	49.4	15	12562.91		7.85	9.32	4.06	7.0803
16131058	truB	b3166	314	947687	2367200	0.513621	97	22.87						3.89	1.82	1.81	2.50446
16131059	rbfA	b3167	133	947685	1789558	0.642306	57	16.43						3.65	1.97	1.88	2.50166
16131060	infB	b3168	890	947684	1789559	0.667476	344	71.51	1	26.3	26	1979.33		7.79	4.17	3.64	5.20228
16131061	nusA	b3169	495	947682	1789560	0.624741	149	41.16	1	30.5	11	1454.89	10451.39	0.327	14.84	11.27	13.74	13.2872
16131062	yhbC					0.488417										6.25	7.26	6.75579
16131063	argG	b3172	447	947590	1789563	0.582686	125	40.51	1	51.9	66	8869.39	2301.22	0.072	7.11	5.53	2.59	5.07844
16131064	yhbX					0.306798												
16131065	secG	b3175	110	947720	1789565	0.537339	14	4.59							7.69	12.93	3.27	7.96168
16131066	mrsA	b3176	445	947692	1789566	0.541516	140	37.91	1	13.7	6	861.61	1054.73	0.033	4.94	2.53	2.63	3.36325
16131067	folP					0.411351									3.62	2.22	1.38	2.40757
16131068	hflB	b3178	644	947690	1789568	0.615313	207	59.54							7.36	7.31	3.96	6.20949
16131069	ftsJ	b3179	209	947689	1789569	0.429349	76	16.39							7.51	6.89	5.88	6.7603
16131070	yhbY	b3180	97	947688	1789570	0.456071	32	4.86								17.48	4.43	10.9558
16131071	greA					0.604291							5848.95	0.183	2.28	2.15	1.15	1.86317
16131072	dacB	b3182	477	947693	1789573	0.36517	121	34.07							0.74	0.80		0.76938
16131073	yhbZ	b3183	390	947694	1789574	0.592341	130	31.66								1.97	0.85	1.40767
16131074	yhbE	b3184	321	947699	1789575	0.324237	52	10.26								1.87	1.05	1.45785
16131075	rpmA	b3185	85	945190	1789576	0.776817	50	8.39	0.3	25.9	2				8.88	15.61	8.19	10.8941
16131076	rplU	b3186	103	949057	1789577	0.698413	46	10.73	1	51.5	35	17757.45			34.03	71.89	66.46	57.4624
16131077	ispB	b3187	323	947364	1789578	0.483189	61	13.74	0.2	26.9	1				5.44	2.95	2.38	3.59302
16131078	nlp	b3188	92	947960	1789579	0.360608	28	9.11							0.37			
16131079	murA	b3189	419	947703	1789580	0.546088	121	32.03	0.99	11.9	3	504.79	1693.96	0.053	3.47	2.99	1.82	2.7624
16131080	yrbA					0.471154										3.56	3.81	3.68555
16131081	yrbB					0.335028										2.49	1.96	2.22159
16131082	yrbC	b3192	211	947710	1789583	0.573775	67	19.52	0.97	10.9	1	270.52	2173.38	0.068		3.18	4.94	4.0578
16131083	yrbD	b3193	183	947712	1789584	0.465349	43	15.55								3.74	4.82	4.27615
16131084	yrbE	b3194	260	947732	1789585	0.349125	50	13.94								1.47	1.11	1.29157
16131085	yrbF	b3195	269	947729	1789586	0.364556	67	20.07								1.79	1.67	1.73374
16131086	yrbG	b3196	325	947730	1789587	0.317686	47	10.68								1.71	1.23	1.46839
16131087	yrbH	b3197	328	947734	1789588	0.424706	78	18.41	0.42	18.9	2					2.41	1.86	2.13462
16131088	yrbI	b3198	188	947717	2367202	0.431514	55	12.52								3.66	3.02	3.33709
16131089	yrbK	b3199	191	947722	1789591	0.357786	55	12.74								4.05	2.72	3.38291
16131090	yhbN	b3200	185	947920	1789592	0.555169	47	8.12								2.73	3.34	3.03735
16131091	yhbG	b3201	241	947725	1789593	0.494243	76	23.34					1246.50	0.039		3.65	3.37	3.51184
16131092	rpoN	b3202	477	947714	1789594	0.430926	112	27.51							13.68	6.98	8.86	9.84262
16131093	yhbH	b3203	95	947718	1789595	0.469025	32	6.52								9.28	8.72	8.99892
16131094	ptsN	b3204	163	947721	1789597	0.444773	46	12.87							6.65	4.46	6.37	5.82762
16131095	yhbJ	b3205	284	947727	1789598	0.435939	93	24.21								2.37	1.29	1.82759
16131096	ptsO	b3206	90	947914	1789599	0.451353	17	4.79							2.55	1.55	0.50	1.5364
16131097	yrbL	b3207	210	947910	1789600	0.390826	87	18.62								0.72	6.89	3.80537
16131098	mtgA	b3208	242	947728	1789601	0.356456	71	22.83							0.70	0.55	0.19	0.48066
16131099	yhbL					0.457691							3004.38	0.094		0.97	1.34	1.15193
16131100	arcB					0.451452									2.49	1.89	1.08	1.82135
16131101	yhcC	b3211	309	947733	2367204	0.43169	85	20.58										
16131102	gltB	b3212	1517	947724	1789605	0.537673	448	114.16	1	34.8	135	6437.72			21.60	15.04	12.33	16.3235
16131103	gltD	b3213	472	947723	1789606	0.599611	151	39.84	1	23.9	19	2596.25			19.40	20.93	9.33	16.5547
16131104	gltF	b3214	254	947746	1789608	0.396435	52	12.19							0.97	0.90	0.23	0.69956
16131105	yhcA	b3215	224	947741	1789609	0.315864	75	25.65										
16131106	yhcD	b3216	793	947738	1789610	0.342495	158	41								0.38		
16131107	yhcE	b3217	159	947737	1789611	0.280072	37	7.18								0.40		
16131108	trs5_10	b3218	338	947743	1789612	0.396422	118	27.04										

16131109	yhcF	b3219	238	947735	1789613	0.299455	48	11.55										
16131110	yhcG	b3220	375	947739	1789614	0.302407	125	31.56										
16131111	yhcH	b3221	154	947750	1789615	0.395646	26	5.72										
16131112	yhcI					0.392895												
16131113	yhcJ	b3223	229	947745	1789617	0.450026	42	11.23								1.87	0.61	1.24128
16131114	nanT					0.468776												
16131115	nanA	b3225	297	947742	1789620	0.485982	75	18.34										
16131116	yhcK					0.504157										0.96	1.33	1.14383
16131117	yhcL	b3227	455	946575	1789622	0.365786	57	13.31										
16131118	sspB	b3228	165	944774	1789623	0.463527	27	8.51				2237.30	0.07	3.88	3.90	2.02	3.26505
16131119	sspA	b3229	212	944744	1789624	0.604574	66	18.13	1	15.1	10	3002.72	3387.91	0.106	8.44	4.58	5.31	6.11032
16131120	rpsI	b3230	130	949000	1789625	0.818563	67	13.53	1	22.3	22	8851.91			20.76	24.02	19.74	21.508
16131121	rplM	b3231	142	947828	1789626	0.725229	60	14.75	1	56.3	61	22513.86			32.80	46.30	48.48	42.5297
16131122	yhcM	b3232	375	947821	1789627	0.348603	121	36.8								1.36	0.67	1.01811
16131123	yhcB					0.567231										4.43	3.13	3.77862
16131124	degQ	b3234	455	947812	1789629	0.399013	107	30.47	0.53	7.3	1		1757.88	0.055	1.82	0.85	0.85	1.17585
16131125	degS	b3235	355	947865	1789630	0.443696	63	18.6							2.57	2.18	0.91	1.88962
16131126	mdh	b3236	312	947854	1789632	0.63969	73	22.5	1	59.9	120	29034.27	2173.38	0.068	22.66	23.21	22.50	22.7879
16131127	argR	b3237	156	947861	1789633	0.46002	46	9.19	0.88	16	1	521.29			4.07	1.68	1.94	2.56276
16131128	yhcN					0.556182											0.20	
16131129	yhcO	b3239	90	947830	1789635	0.35157	23	6.77								0.40	0.42	0.40921
16131130	yhcP	b3240	655	947747	1789636	0.380703	169	41.46										
16131131	yhcQ	b3241	310	947748	1789637	0.43592	108	27.85										
16131132	yhcR					0.301415										0.43	0.19	0.30858
16131133	yhcS	b3243	309	947760	1789639	0.377678	83	22.92								0.41	0.27	0.33859
16131134	tldD	b3244	481	947749	1789640	0.505601	121	31.19	0.89	3.1	1	155.34	1374.34	0.043	3.59	2.33	1.01	2.30624
16131135	cafA					0.463082									2.50		0.99	1.74544
16131136	yhdE	b3248	197	947753	1789646	0.404589	52	14.49					1182.57	0.037		2.98	1.80	2.39192
16131137	mreD	b3249	162	947756	1789647	0.369316	20	4.66							2.40	1.57	0.75	1.57314
16131138	mreC	b3250	367	947655	1789648	0.463563	97	32.56	0.43	4.9	1				2.80	1.81	1.07	1.89284
16131139	mreB					0.598095							2556.92	0.08	8.96	8.09	4.08	7.0428
16131140	yhdA	b3252	646	947702	1789650	0.365105	191	55.52								0.61	0.22	0.41652
16131141	yhdH	b3253	324	947848	1789651	0.448354	79	24.44					1885.73	0.059		1.41	1.70	1.55483
16131142	b3254	b3254	33	947843	1789652	0.452995	9	1.88										
16131143	accB	b3255	156	947758	1789653	0.604766	35	9.59	0.98	18.6	6	3337.88	4730.29	0.148	12.64	10.80	13.53	12.3223
16131144	accC	b3256	449	947761	1789654	0.645221	152	37.84	1	17.1	12	1726.40	1278.46	0.04	6.48	4.70	3.37	4.85355
16131145	yhdT	b3257	80	947762	1789655	0.494299	18	3.77									0.39	
16131146	panF					0.397408									0.85			
16131147	prmA	b3259	293	947708	2367208	0.553367	57	13.49							1.32	0.94	0.67	0.97847
16131148	yhdG	b3260	321	947707	1789660	0.384223	95	27.01								15.44	7.44	11.4434
16131149	fis	b3261	98	947697	1789661	0.619365	31	3.95	1	23.5	10	13782.09	4027.14	0.126	14.56	15.49	6.17	12.0736
16131150	yhdJ					0.422344												
16131151	yhdU	b3263	59	947700	1789663	0.465134	15	3.71								0.43	0.32	0.373
16131152	envR	b3264	220	947704	1789664	0.34728	57	16.6										
16131153	acrE	b3265	385	947706	1789665	0.417916	99	31.64										
16131154	acrF	b3266	1034	947768	1789666	0.404383	169	45.43										
16131155	yhdV	b3267	73	947767	1789667	0.427359	10	1.84								0.54		
16131156	yhdW	b3268	305	947766	1789668	0.464603	90	30.41								0.47		
16131157	yhdX					0.316824												
16131158	yhdY					0.388591												
16131159	yhdZ	b3271	252	947763	1789672	0.32083	73	20.09	0.26	7.9	1							
16131160	yrdA					0.337118							1470.23	0.046		2.87	2.20	2.53763
16131161	yrdB	b3280	85	947774	1789674	0.39079	17	4.88								0.88		
16131162	aroE	b3281	272	947776	1789675	0.354389	57	16.05							2.83	1.09	0.60	1.50503
16131163	yrdC	b3282	190	947783	2367210	0.332068	44	12.5					2429.07	0.076		1.58	1.12	1.35017
16131164	yrdD					0.379749										2.41	1.55	1.98218
16131165	smg	b3284	157	947781	1789679	0.393395	30	8.52							8.66	5.64	4.09	6.1299
16131166	def	b3287	169	947780	1789682	0.471464	60	11.01							8.88	4.22	6.00	6.36697
16131167	fmt	b3288	315	947779	1789683	0.441358	78	21.57					1214.54	0.038	4.38	2.65	1.76	2.93055
16131168	sun	b3289	429	947789	2367212	0.393057	123	29.1							2.20	1.03	1.00	1.4098
16131169	trkA	b3290	458	947788	1789685	0.424086	130	35.07							0.96	0.76	0.27	0.66433
16131170	mscL	b3291	136	947787	1789686	0.400686	41	11.03							6.84	4.84	3.36	5.01614
16131171	yhdM	b3292	141	947786	1789687	0.333977	53	14.89								0.75	0.64	0.69266
16131172	yhdN	b3293	122	947785	1789688	0.322338	45	14.99								1.68	1.51	1.59681
16131173	rplQ	b3294	127	947784	1789689	0.61922	71	14.15	1	38.6	33	12696.08			18.12	38.35	12.89	23.1175
16131174	rpoA	b3295	329	947794	1789690	0.531429	97	27.52	1	40.1	90	17803.54	36052.52	1.128	25.84	59.73	42.20	42.5895
16131175	rpsD	b3296	206	947793	1789691	0.621309	101	21.75	1	50	72	18021.27			21.59	57.44	40.71	39.9157
16131176	rpsK	b3297	129	947792	1789692	0.656814	52	9.55	1	51.2	42	23941.87			26.56	60.03	60.77	49.1185
16131177	rpsM	b3298	118	947791	1789693	0.543938	62	12.5	1	59.3	63	27437.39			30.08	55.18	57.31	47.5225
16131178	rpmJ	b3299	38	947805	1789695	0.560615	29	1.66							32.28	75.80	62.99	57.0259
16131179	prlA	b3300	443	947799	1789696	0.464755	87	17.53							23.95	61.22	31.41	38.8564
16131180	rplO	b3301	144	947798	1789697	0.740059	74	17.22	1	44.4	21	6638.93			31.50	50.92	56.16	46.1947
16131181	rpmD	b3302	59	947797	1789698	0.612356	31	7.35	0.99	33.9	12	8799.16			21.45	26.64	26.19	24.7618
16131182	rpsE	b3303	167	947795	1789699	0.669194	58	16.01	1	62.9	83	28222.73			25.70	37.44	34.90	32.6818
16131183	rplR	b3304	117	947804	1789700	0.676512	59	12.24	1	19.7	15	6671.48			27.54	30.55	42.07	33.3869
16131184	rplF	b3305	177	947803	1789701	0.687104	65	17.63	1	52	70	21615.13			27.37	39.37	48.74	38.4911
16131185	rpsH	b3306	130	947802	1789702	0.675629	49	14.29	1	34.6	16	6095.37			33.38	41.99	50.92	42.0955
16131186	rpsN	b3307	101	947801	1789703	0.606726	62	10.55	1	18.8	7	3612.08			33.06	31.71	38.14	34.3012
16131187	rplE	b3308	179	947800	1789704	0.679633	79	22.24	1	47.5	72	17624.22			36.62	63.78	73.52	57.9722
16131188	rplX	b3309	104	947810	1789705	0.655563	50	10.07	1	53.8	38	20543.12			28.64	55.41	57.76	47.2693
16131189	rplN	b3310	123	947809	1789706	0.573471	59	11.55	1	34.1	12	5656.03			33.66	44.63	54.61	44.2985
16131190	rpsQ	b3311	84	947808	1789707	0.747996	45	7.28							23.49	25.86	19.39	22.9134
16131191	rpmC	b3312	63	947807	1789708	0.595082	31	6.77	1	46	27	21711.37			20.04	12.44	15.23	15.9013
16131192	rplP	b3313	136	947806	1789709	0.677561	74	12.62	1	32.4	21	9058.83			26.69	28.61	33.57	29.6234
16131193	rpsC	b3314	233	947814	1789710	0.785189	103	20.64	1	42.5	66	17407.90			32.99	35.81	37.31	35.3665
16131194	rplV	b3315	110	947813	1789711	0.656031	56	12.79	1	60.9	54	22984.52			35.00	43.53	46.51	41.6807
16131195	rpsS	b3316	92	947811	1789712	0.553091	46	10.28	1	28.3	23	12179.99			42.64	37.35	53.55	44.5112
16131196	rplB	b3317	273	947820	1789713	0.761652	129	28.82	1	57.5	80	15111.52			28.21	25.52	36.75	30.1592
16131197	rplW	b3318	100	947819	1789714	0.724158	58	9.92	1	27	68	37317.23			33.10	39.15	49.04	40.43
16131198	rplD	b3319	201	947818	1789715	0.745291	84	20.04	1	50.7	54	14669.26			30.17	34.03	49.93	38.0408
16131199	rplC	b3320	209	947817	1789716	0.758925	79	23.4	1	42.6	73	16983.19			29.00	40.20	42.56	37.254
16131200	rpsJ	b3321	103	947816	1789717	0.647115	45	14.8	1	54.4	48	17655.98			29.79	46.24	51.32	42.4494
16131201	pinO	b3322	139	947826	1789719	0.338487	35	10.48							0.78	0.73	0.44	0.64912
16131202	yheD	b3323	489	947825	1789720	0.29482	155	38.78								0.54	0.21	0.37564
16131203	yheE	b3324	271	947824	1789721	0.228439	64	19.55								0.35		
16131204	yheF					0.387827												
16131205	yheG	b3326	493	947823	1789723	0.336414	136	36.48									0.25	
16131206	hofF	b3327	398	947829	1789724	0.321365	109	29.28							0.42	0.46		0.43635
16131207	hofG	b3328	145	947827	1789725	0.393832	32	5.01										
16131208	hofH	b3329	169	947834	1789726	0.340211	24	5.85										
16131209	yheH					0.306878												
16131210	yheI	b3331	195	947832	1789728	0.310405	47	11.66										
16131211	yheJ	b3332	327	947831	1789729	0.341057	77	21.73										
16131212	yheK					0.343581												
16131213	pshM					0.338348									0.26	0.32	0.16	0.24744
16131214	hofD	b3335	225	947840	1789732	0.333373	28	5.2							0.28			
16131215	bfr	b3336	158	947839	1789733	0.441906	52	16.96							7.41	1.61	3.61	4.20936
16131216	yheA	b3337	64	947836	1789735	0.466392	27	6.79								1.61	1.47	1.5409

16131217	yheB	b3338	897	947837	1789736	0.534168	183	46.7										
16131218	tufA	b3339	394	947838	1789737	0.844192	119	34.37					74981.56	2.346	36.96	57.89	69.48	54.7768
16131219	fusA	b3340	704	947847	1789738	0.787431	212	56.82	1	61.1	257	24623.18	25665.04	0.803	30.72	60.52	70.60	53.945
16131220	rpsG	b3341	179	947846	1789739	0.602472	79	22.13	1	55.3	83	20417.80			25.38	45.45	44.20	38.342
16131221	rpsL	b3342	124	947845	1789740	0.705349	65	9.51							28.09	58.16	56.56	47.6036
16131222	yheL	b3343	95	947844	1789741	0.339485	24	9.12								1.32	0.78	1.04903
16131223	yheM	b3344	119	947853	1789742	0.353932	25	8.27								1.46	0.74	1.10056
16131224	yheN	b3345	128	947852	1789743	0.318822	18	3.4								1.93	1.10	1.5137
16131225	yheO					0.4486										2.39	2.23	2.30839
16131226	fkpA	b3347	270	947850	1789745	0.630557	105	26.87	1	24.1	16	3241.64	10675.12	0.334	4.34	6.01	1.93	4.09294
16131227	slyX	b3348	72	947849	1789747	0.479422	19	6.41							2.12	1.00	1.31	1.47439
16131228	slyD	b3349	196	947859	1789748	0.744887	27	5.84	1	24	7	6525.25	7574.86	0.237	8.82	8.55	6.52	7.96164
16131229	kefB	b3350	601	947858	1789749	0.363613	136	33.26							2.04		0.86	1.44959
16131230	yheR	b3351	184	947857	1789750	0.377953	44	14.22	0.29	46.7	1					0.72	0.52	0.62247
16131231	yheS	b3352	637	947856	1789751	0.494137	205	58.23								1.51	1.75	1.62868
16131232	yheT	b3353	340	947855	1789752	0.427337	85	22.32								0.94	2.55	1.74274
16131233	yheU	b3354	72	947863	1789753	0.38329	19	3.69								1.30	2.12	1.70906
16131234	prkB	b3355	289	947862	2367214	0.441401	61	14.78							2.28		0.76	1.52012
16131235	yhfA	b3356	134	947860	1789755	0.443751	39	10.08								3.61	2.64	3.12266
16131236	crp	b3357	210	947867	1789756	0.580839	68	20.35	1	30	7	1872.60			14.50	13.38	11.60	13.16
16131237	yhfK					0.35896										0.81	0.54	0.67267
16131238	argD	b3359	406	947864	1789759	0.485281	82	21.98	1	32	18	4458.17			7.77	4.17	2.45	4.7976
16131239	pabA	b3360	187	947873	1789760	0.37613	40	7.66							1.08		0.39	0.73947
16131240	fic	b3361	200	947872	1789761	0.438706	55	16.82							2.96	0.49	1.01	1.48537
16131241	yhfG	b3362	55	947871	1789762	0.273028	27	5.2									0.82	
16131242	ppiA	b3363	190	947870	1789763	0.572786	47	13.01							4.87	2.67	2.57	3.36872
16131243	yhfC	b3364	393	947869	1789764	0.475392	46	6.03								0.60	0.26	0.43025
16131244	nirB	b3365	847	947868	1789765	0.639961	252	69.63							0.67			
16131245	nirD	b3366	108	947881	1789766	0.563328	27	6.55										
16131246	cysG	b3368	457	947880	1789768	0.438193	128	33.46							0.84	1.18	0.30	0.77314
16131247	yhfL	b3369	55	947879	1789770	0.67747	14	2.09								0.21		
16131248	yhfM					0.418842												
16131249	yhfN					0.541593												
16131250	yhfO					0.484629												
16131251	yhfP					0.382559												
16131252	yhfQ	b3374	261	947886	1789775	0.493284	40	10.99										
16131253	yhfR					0.378892										0.54	0.49	0.51685
16131254	yhfS	b3376	361	947884	1789777	0.385246	87	29.3									0.34	
16131255	yhfT	b3377	434	947883	2367218	0.429201	54	13.8								0.55	0.29	0.41988
16131256	yhfU					0.468179											0.12	
16131257	yhfV	b3379	292	947891	1789780	0.418071	72	19.75										
16131258	yhfW	b3380	408	947890	1789781	0.415484	76	21										
16131259	yhfX	b3381	387	947889	1789782	0.415346	90	27.13								0.47		
16131260	yhfY					0.39117										0.42	0.28	0.3513
16131261	yhfZ					0.365261												
16131262	trpS	b3384	334	947894	1789786	0.585223	103	29.19	1	19.2	7	1305.50	8278.02	0.259	2.77	1.33	1.07	1.7226
16131263	gph	b3385	252	947895	1789787	0.443758	53	12.35	0.37	5.2	2		31.96	0.001	7.75	2.84	4.88	5.15776
16131264	rpe	b3386	225	947896	1789788	0.488734	57	13.66					5369.52	0.168	3.54	2.57	2.79	2.96711
16131265	dam	b3387	278	947893	1789789	0.40913	85	20.89							5.32	1.73	1.88	2.97638
16131266	damX	b3388	428	947930	1789790	0.497792	112	26.84							7.68	4.87	2.97	5.17589
16131267	aroB	b3389	362	947927	1789791	0.372985	91	27.15	1	11	3	601.54			5.28	2.85	1.41	3.17706
16131268	hofQ	b3391	412	947901	1789793	0.317478	112	31.48										
16131269	yrfA					0.321387											0.38	
16131270	yrfB	b3393	146	947899	1789795	0.32413	31	10.55										
16131271	yrfC	b3394	179	947898	1789796	0.267004	56	16.34										
16131272	yrfD					0.350775												
16131273	mrcA					0.483351									2.02	2.18	0.64	1.6155
16131274	yrfE	b3397	186	947906	1789800	0.379846	53	16.84					1630.03	0.051		1.31	0.77	1.03977
16131275	yrfF	b3398	711	947905	1789801	0.406205	152	36.93									0.29	
16131276	yrfG					0.407804										1.44	3.15	2.29371
16131277	yrfH	b3400	133	947912	1789803	0.424863	69	14.03								3.29	3.55	3.41696
16131278	yrfI					0.592158										1.88	0.83	1.35613
16131279	yhgE	b3402	574	947651	1789805	0.324255	138	35.57								0.49	0.28	0.3892
16131280	pckA	b3403	540	945667	1789807	0.632914	146	39.24					1757.88	0.055	2.48	2.06	9.71	4.7514
16131281	envZ	b3404	450	947272	1789808	0.397679	127	42.06	0.37	3.8	1				1.72	1.12	0.69	1.17593
16131282	ompR	b3405	239	947913	1789809	0.540787	88	26.89					6040.71	0.189	1.48	1.91	1.55	1.64829
16131283	yhgF					0.544546										2.61	2.25	2.43286
16131284	feoA	b3408	75	947909	1789812	0.452942	25	9.92							2.53	1.32	2.04	1.96193
16131285	feoB	b3409	773	947919	1789813	0.517453	135	35.01							0.66	0.64	0.60	0.63454
16131286	yhgG	b3410	78	947918	1789814	0.393065	23	4.93								1.39	0.69	1.03901
16131287	yhgA	b3411	292	947917	1789816	0.361379	88	26.51								0.33	0.21	0.26983
16131288	bioH	b3412	256	947916	1789817	0.36245	61	18.6							1.70	0.84	0.43	0.98905
16131289	yhgH					0.275163										1.70	2.42	2.05889
16131290	yhgI	b3414	191	947925	1789819	0.563835	41	11.95	1	32.5	11	5011.15	5785.02	0.181		7.26	5.69	6.47657
16131291	gntT					0.587709									0.80	2.13	0.29	1.07225
16131292	malQ	b3416	694	947923	1789821	0.433863	196	49.46	0.91	2.7	1	100.16			2.06	1.17	1.10	1.44526
16131293	malP					0.547911									2.89	0.88	1.65	1.80863
16131294	malT	b3418	901	947921	2367223	0.429254	237	71.63							2.06	0.69	0.82	1.19158
16131295	rtcB	b3421	408	947929	2367224	0.464751	117	34.17										
16131296	rtcR	b3422	532	947928	1789828	0.410568	185	55.78										
16131297	glpR	b3423	252	947926	1789829	0.474009	64	17.51							2.87		1.43	2.15085
16131298	glpG					0.397869									4.46	3.03	2.26	3.25114
16131299	glpE	b3425	108	947935	1789831	0.529339	17	5.39							2.26	2.14	1.12	1.84152
16131300	glpD	b3426	501	947934	2367226	0.492395	163	52.51								10.36	9.79	10.0722
16131301	yzgL					0.287254										0.49		
16131302	glgP	b3428	815	947931	2367228	0.503734	220	62.57							2.27	2.22	0.83	1.77255
16131303	glgA	b3429	477	947932	1789836	0.403758	96	27.13							4.84	2.12	3.88	3.61505
16131304	glgC	b3430	431	947942	1789837	0.507941	131	31.51							9.66	3.19	4.74	5.86275
16131305	glgX	b3431	657	947941	2367229	0.385596	140	40.28							6.24	2.57	3.75	4.18836
16131306	glgB	b3432	728	947940	1789839	0.490149	202	59.72							9.93	3.67	5.68	6.42844
16131307	asd	b3433	367	947939	1789841	0.45586	89	24	1	47.7	66	14970.80	4346.76	0.136	13.74	10.37	8.98	11.0323
16131308	yhgN	b3434	197	947938	1789842	0.341889	30	7.59								0.54	0.24	0.3892
16131309	gntK					0.487847										2.81		
16131310	gntR					0.442599							2876.53	0.09	1.91	1.77	0.66	1.44662
16131311	yhhW	b3439	231	947945	1789847	0.557454	56	15.87								0.49	0.44	0.46921
16131312	yhhX	b3440	345	947944	1789848	0.476909	91	24.58								0.62	1.15	0.88344
16131313	yhhY	b3441	162	947943	1789849	0.333104	54	12.58								0.55	0.25	0.39808
16131314	yhhZ	b3442	392	947952	1789850	0.242024	118	29.64										
16131315	yrhA					0.240928												
16131316	insA_6	b3444	91	947950	1789852	0.397536	31	7.36										
16131317	insB_6	b3445	167	947949	1789853	0.325832	67	18.65										
16131318	yrhB	b3446	94	947948	1789855	0.389466	20	5.38										
16131319	ggt	b3447	580	947947	1789856	0.458146	140	46.47	0.94	9	3	330.36			2.03	1.05	0.93	1.33775
16131320	yhhA	b3448	146	947956	1789857	0.304385	33	11.5									1.14	
16131321	ugpQ	b3449	247	947955	1789858	0.428814	76	21.63							2.16	1.50	0.84	1.49742
16131322	ugpC					0.440031									1.38		0.96	1.16768
16131323	ugpE	b3451	281	947959	1789860	0.430752	32	8.38							1.02	0.66	0.69	0.79207
16131324	ugpA	b3452	295	947957	1789861	0.445693	36	6.52							1.30	1.18	0.59	1.02108

16131325	ugpB	b3453	438	947962	1789862	0.504352	121	34.91							1.70	0.86	0.95	1.16935
16131326	livF					0.413932									11.08	8.77	5.84	8.56345
16131327	livG	b3455	255	947967	1789864	0.448393	70	23.4							7.24	6.58	4.57	6.1293
16131328	livM	b3456	425	947966	1789865	0.425538	74	17.72							6.53	3.17	3.53	4.40752
16131329	livH	b3457	308	947965	1789866	0.502432	31	6.2							8.89	3.51	4.35	5.58278
16131330	livK	b3458	369	947964	1789867	0.51586	102	30.37	1	37.1	9	1613.28	2748.68	0.086	10.43	8.72	6.90	8.68275
16131331	yhhK	b3459	127	947963	1789869	0.414328	45	11.81										
16131332	livJ					0.539708									26.43	24.92	32.71	28.0227
16131333	rpoH	b3461	284	947970	1789871	0.626071	108	27.94							2.70	1.83	1.32	1.95088
16131334	ftsX	b3462	352	947969	1789872	0.428571	89	23.22							2.80			
16131335	ftsE	b3463	222	947968	1789873	0.445215	67	20.37							4.09	2.47	2.00	2.85394
16131336	ftsY	b3464	497	947978	1789874	0.526501	127	37.63							6.22	4.14	3.73	4.69696
16131337	yhhF	b3465	198	947977	1789875	0.391431	51	15.55								1.20	0.90	1.05059
16131338	yhhL	b3466	89	947976	1789876	0.443984	22	4.81								0.84		
16131339	yhhM	b3467	119	947975	1789877	0.371381	40	11.89								1.37	0.86	1.11531
16131340	yhhN	b3468	208	947973	1789878	0.436394	25	2.14								0.97	0.52	0.74662
16131341	zntA	b3469	732	947972	1789879	0.422434	171	44.53								1.41	0.50	0.95287
16131342	yhhP	b3470	81	947974	1789881	0.465011	24	5.88								2.15	0.69	1.41917
16131343	yhhQ	b3471	221	947984	1789882	0.435245	39	8.73								0.38	0.28	0.3309
16131344	b3472					0.445352									5.07	5.12	3.39	4.52715
16131345	yhhS					0.33844										0.41		
16131346	yhhT					0.333261										0.51	0.44	0.47078
16131347	yhhU	b3475	195	947979	1789886	0.403217	36	5.51								1.26	0.50	0.88026
16131348	nikA	b3476	524	947981	1789887	0.503258	124	39.15					990.80	0.031	0.32	0.52		0.41792
16131349	nikB	b3477	314	947986	1789888	0.469209	62	13.19	0.29	6.4	1							
16131350	nikC	b3478	277	947990	1789889	0.446863	43	10.76									0.30	
16131351	nikD	b3479	254	947989	1789890	0.434132	53	16.28										
16131352	nikE	b3480	268	947987	1789891	0.412133	102	25.7										
16131353	yhhG	b3481	133	947995	1789892	0.470002	36	7.77								0.91	0.54	0.72769
16131354	rhsB					0.382842									0.10	0.11		0.10409
16131355	yhhH					0.293876										0.15	0.10	0.12587
16131356	yhhI	b3484	378	947992	1789896	0.30702	147	35.21										
16131357	yhhJ					0.378275										1.09	0.86	0.97539
16131358	yhiH					0.396053										0.94	0.47	0.70263
16131359	yhiI	b3487	355	948003	1789900	0.410115	130	38.95								1.54	2.60	2.07421
16131360	yhiJ	b3488	540	948001	1789902	0.271072	121	32.09	0.95	10.7	3	483.49				0.11		
16131361	yhiK					0.264928												
16131362	yhiL	b3490	412	947999	2367233	0.29449	136	36.85										
16131363	yhiM					0.291246										0.22		
16131364	yhiN	b3492	400	947996	2367234	0.411042	92	24.67										
16131365	pitA	b3493	499	948009	1789907	0.482144	91	17.5							3.98	2.42	1.93	2.77722
16131366	yhiO	b3494	111	948008	1789908	0.340108	32	6.24								0.55	0.70	0.62273
16131367	uspA	b3495	144	948007	1789909	0.603173	31	8.03	0.99	22.9	5	3355.84	9396.67	0.294	20.65	20.65	26.35	22.5469
16131368	yhiP	b3496	489	948006	1789911	0.406237	51	9.27								0.98	0.36	0.67204
16131369	yhiQ	b3497	250	948005	1789912	0.397483	76	20.1								0.97	0.53	0.74567
16131370	priC	b3498	680	948016	1789913	0.574012	181	54.46	1	12.1	5	499.81			1.45	0.80	0.79	1.01379
16131371	yhiR	b3499	280	948012	1789914	0.537988	91	32.01									0.80	
16131372	gor	b3500	450	948014	1789915	0.560437	110	28.72					1214.54	0.038	5.68	3.25	2.84	3.92508
16131373	arsR	b3501	117	948013	1789916	0.356468	44	13.12								0.61	0.40	0.5039
16131374	arsB					0.414303									0.17	0.40		0.28493
16131375	arsC	b3503	141	948018	1789918	0.48081	42	10.61							0.65	0.47	0.44	0.52222
16131376	yhiS	b3504	260	948017	1789920	0.25057	49	11.15								0.12		
16131377	trs5_11	b3505	338	948015	1789921	0.396422	118	27.04										
16131378	slp					0.392016									3.62		1.80	2.7085
16131379	yhiF	b3507	176	948021	1789923	0.338556	47	11.32										
16131380	yhiD	b3508	215	948019	1789924	0.327968	43	9.01										
16131381	hdeB					0.499265									16.56	1.18	4.71	7.48204
16131382	hdeA	b3510	110	948025	1789926	0.615962	29	3.19					7830.56	0.245	23.55	2.68	26.88	17.7022
16131383	hdeD	b3511	190	948024	1789927	0.347704	31	4.61							5.43	0.46	1.22	2.37319
16131384	yhiE	b3512	175	948023	1789928	0.354949	70	22.12									0.49	
16131385	yhiU	b3513	385	948031	1789929	0.377946	98	32.12										
16131386	yhiV	b3514	1037	948030	1789930	0.439846	168	45										
16131387	yhiW	b3515	242	948029	1789932	0.28697	75	20.77								0.38	0.39	0.38767
16131388	yhiX	b3516	274	948028	1789933	0.240249	84	24.08								0.41	1.12	0.76578
16131389	gadA	b3517	466	948027	1789934	0.59949	119	30.23							4.21		1.04	2.62176
16131390	yhjA	b3518	465	948038	1789935	0.419467	141	42.5										
16131391	treF	b3519	549	948037	1789936	0.48129	165	43.45							1.96	0.85	0.45	1.08654
16131392	yhjB	b3520	200	948036	1789937	0.31266	62	17.85									0.24	
16131393	yhjC	b3521	323	948035	1789938	0.364103	93	28.39									0.39	
16131394	yhjD	b3522	337	948033	1789939	0.42716	86	21.03								0.60	0.58	0.58893
16131395	yhjE	b3523	440	948032	1789941	0.424337	51	10.21								4.47	1.75	3.11338
16131396	yhjG	b3524	691	948043	2367236	0.381802	219	59.33										
16131397	yhjH					0.3416										11.07	0.28	5.67671
16131398	kdgK					0.458209												
16131399	yhjJ	b3527	498	948040	1789946	0.427589	135	43.02								1.44	0.93	1.18449
16131400	dctA	b3528	428	948039	1789947	0.465512	82	16.27							1.54		1.41	1.47692
16131401	yhjK					0.448202										1.04	0.48	0.76127
16131402	yhjL					0.431412										0.47	0.70	0.58389
16131403	yhjM	b3531	368	948046	1789951	0.430836	120	39.13									0.21	
16131404	yhjN	b3532	779	948045	1789952	0.477436	183	60.73										
16131405	yhjO					0.448975											0.24	
16131406	yhjQ	b3534	242	948052	1789955	0.35817	52	13.85										
16131407	yhjR	b3535	62	948051	1789956	0.36169	11	5.62								1.59	0.80	1.19575
16131408	yhjS	b3536	523	948050	1789958	0.358117	134	32.36								0.80	0.79	0.79813
16131409	yhjT					0.362122										0.66	0.63	0.6448
16131410	yhjU	b3538	559	948058	1789960	0.42093	95	26.27									0.30	
16131411	yhjV	b3539	423	948057	1789961	0.364462	75	13.88								0.25	0.12	0.18238
16131412	dppF	b3540	334	948056	1789962	0.487377	108	29.04							2.35	1.86	2.29	2.16624
16131413	dppD	b3541	327	948065	1789963	0.475107	86	27.48							6.27	2.66	4.89	4.605
16131414	dppC	b3542	300	948064	1789964	0.51363	38	9.4							2.45	1.91	2.53	2.29382
16131415	dppB	b3543	339	948063	1789965	0.443292	57	10.16							2.91	1.99	2.52	2.47191
16131416	dppA	b3544	535	948062	1789966	0.614331	159	42.59	1	28.6	16	2045.15	35637.02	1.115	10.42	8.66	16.32	11.7984
16131417	yhjW					0.474383										0.69	0.32	0.50352
16131418	yhjX	b3547	402	948066	1789969	0.470995	71	15.29										
16131419	yhjY					0.341318											0.66	
16131420	tag	b3549	187	947137	1789971	0.399619	45	8.19							2.69	0.89	1.11	1.56441
16131421	yiaC	b3550	146	946460	1789972	0.367293	38	10.27								0.71	0.53	0.61963
16131422	bisC					0.438204									1.46	0.85	0.54	0.9516
16131423	yiaD					0.585462												
16131424	yiaE					0.401416										1.89	1.79	1.84017
16131425	yiaF					0.416698										2.44	2.17	2.30708
16131426	yiaG	b3555	96	948071	1789978	0.308271	40	11.01								0.76	2.67	1.71451
16131427	cspA	b3556	70	948070	1789979	0.845663	21	8.36	1	67.1	17	11070.18			8.10	5.70	0.91	4.90298
16131428	yi5A	b3557	173	948082	1789980	0.286215	85	20.41								0.46		
16131429	t150	b3558	283	948081	1789981	0.290926	118	28.53							0.10	0.16		0.1309
16131430	glyS	b3559	689	948080	1789982	0.64806	229	73.24	1	31.1	21	1560.93	1757.88	0.055	5.89	5.99	2.79	4.8918
16131431	glyQ	b3560	303	948079	1789983	0.624044	59	15.67	1	37.6	12	4168.93			6.98	2.77	5.08	4.94579
16131432	yiaH	b3561	331	948077	1789984	0.351887	70	14.26										

16131433	yiaA					0.35782											0.11	
16131434	yiaB					0.333932												
16131435	xylB	b3564	484	948133	1789987	0.366733	96	31.06										
16131436	xylA	b3565	440	948141	1789988	0.510705	110	31.8						1.44		0.64	1.04017
16131437	xylF	b3566	330	948090	1789990	0.419654	99	26.68	0.26	14.2	1				0.33	0.31	0.32093
16131438	xylG	b3567	513	948127	1789991	0.351375	148	40.59						0.16	0.30	0.18	0.21239
16131439	xylH	b3568	393	948083	1789992	0.381947	53	14.44									
16131440	xylR	b3569	392	948086	1789993	0.354762	131	34.42						0.34		0.29	0.31581
16131441	bax					0.339709								2.26	2.07	10.13	4.81749
16131442	malS	b3571	676	948088	1789995	0.396411	157	43.57						0.48	0.65		0.56448
16131443	avtA					0.44582								3.42	2.41	1.70	2.51006
16131444	yiaI	b3573	157	948085	2367245	0.390155	53	9.33									
16131445	yiaJ	b3574	282	948084	1789999	0.389267	72	16.69							0.84	0.56	0.69973
16131446	yiaK	b3575	332	948096	1790000	0.492677	96	29.21									
16131447	yiaL	b3576	155	948094	1790001	0.354465	37	10.93									
16131448	yiaM	b3577	157	948093	1790002	0.303569	26	5.66									
16131449	yiaN					0.402359											
16131450	yiaO	b3579	328	948091	1790004	0.492187	102	30.93	0.43	13.1	2						
16131451	lyxK	b3580	498	948101	1790005	0.445809	104	29.49						0.26			
16131452	sgbH	b3581	220	948098	1790006	0.432105	56	12.88						0.57	0.71	0.38	0.55553
16131453	sgbU					0.439093											
16131454	sgbE	b3583	231	948099	1790008	0.424129	41	11.79									
16131455	yiaT	b3584	246	948097	1790010	0.404554	45	11.57									
16131456	yiaU	b3585	324	948107	1790011	0.370894	97	21.52									
16131457	yiaV	b3586	378	948106	1790012	0.394154	104	27.36									
16131458	yiaW	b3587	107	948105	1790013	0.360667	18	3.51									
16131459	aldB					0.45866								1.06	0.50	1.61	1.05656
16131460	yiaY					0.513467											
16131461	selB	b3590	614	948103	2367247	0.448683	194	61.99						1.10	0.89	0.65	0.87595
16131462	selA	b3591	463	948124	2367248	0.359735	137	41.76				607.27	0.019	4.49	1.56	2.35	2.80253
16131463	yibF	b3592	202	948113	1790018	0.399256	54	13.78								1.69	
16131464	rhsA	b3593	1377	948120	1790020	0.38287	454	131.93						0.32			
16131465	yibA	b3594	280	948108	1790021	0.273392	117	36.08							0.10	0.12	0.11019
16131466	yibJ					0.377822											
16131467	yibG	b3596	153	948111	1790023	0.255438	57	8.93									
16131468	yibH	b3597	378	948110	1790024	0.362073	83	23.12							0.70	0.40	0.55023
16131469	yibI	b3598	120	948109	1790025	0.403271	23	7.95									
16131470	mtlA	b3599	637	948118	1790027	0.631982	143	33.75						2.10	2.26	1.14	1.83322
16131471	mtlD	b3600	382	948117	1790028	0.560272	100	29.98	0.21	4.5	1			1.86	0.76	1.10	1.23686
16131472	mtlR	b3601	195	948116	1790029	0.401823	45	13.26						1.23	0.59	0.19	0.66994
16131473	yibL	b3602	120	948115	1790030	0.550113	65	14.09							2.10	1.13	1.61361
16131474	lldP	b3603	551	948114	1790031	0.442408	61	14.72						0.39	0.43	0.74	0.518
16131475	lldR	b3604	258	948122	1790032	0.390289	89	26.14								0.58	
16131476	lldD	b3605	396	948121	1790033	0.483993	102	31.97									
16131477	yibK	b3606	157	948119	1790034	0.412456	43	17.62							1.22	0.46	0.84243
16131478	cysE	b3607	273	948126	1790035	0.478708	63	16.32	0.96	8.4	4	1280.92		4.65	2.89	3.53	3.6902
16131479	gpsA	b3608	339	948125	1790037	0.432607	88	19.57						7.57	5.58	4.89	6.01602
16131480	secB	b3609	155	948123	1790038	0.653763	18	6.06	1	22.6	15	13475.06		8.71	5.42	5.83	6.65706
16131481	grxC	b3610	83	948132	1790039	0.536643	27	6.07						16.53	8.48	14.23	13.0802
16131482	yibN	b3611	143	948131	1790040	0.518518	46	12.53							6.62	6.12	6.37244
16131483	yibO	b3612	514	948130	1790041	0.672181	148	39.94	1	32.1	14	1908.24	7127.40	0.223	2.14	2.23	2.18823
16131484	yibP					0.44558									1.71	0.72	1.21439
16131485	yibQ					0.449423									0.76	0.37	0.56699
16131486	yibD	b3615	344	948140	1790044	0.368625	122	30.76							0.46		
16131487	tdh	b3616	341	948139	1790045	0.566301	91	20.55						1.47	0.95		1.21077
16131488	kbl	b3617	398	948138	1790046	0.53802	111	28.88					4218.91	0.132	3.18	1.02	1.52	1.90422
16131489	htrL					0.302923									0.89	0.46	0.15	0.49877
16131490	rfaD	b3619	310	948134	1790049	0.636413	76	26.05	1	19.7	4	835.92	6903.67	0.216	9.16	3.44	5.21	5.93383
16131491	rfaF	b3620	348	948135	1790050	0.426813	91	24.94							5.72	1.70	2.56	3.32673
16131492	rfaC	b3621	319	948136	1790051	0.338118	101	28.32							4.55	1.72	1.05	2.44123
16131493	rfaL	b3622	419	948148	1790052	0.202205	87	20.21							2.08	1.60	0.43	1.36842
16131494	rfaK	b3623	357	948147	1790053	0.249387	116	35.74							1.32	0.39	0.22	0.6403
16131495	rfaZ	b3624	283	948146	1790054	0.307605	115	30.81							0.59	0.15		0.37045
16131496	rfaY	b3625	232	948145	1790055	0.339468	109	21.04							1.67	0.60	0.57	0.947
16131497	rfaJ	b3626	338	948142	1790056	0.283259	116	29.87							1.34	0.67	0.23	0.74966
16131498	rfaI	b3627	339	948143	1790057	0.32412	95	26.58							1.67	0.69	0.36	0.90663
16131499	rfaB	b3628	369	948144	1790058	0.3414	102	26.59							1.00	0.66	0.33	0.66178
16131500	rfaS	b3629	311	948151	1790059	0.252655	118	32.57							0.65	0.28	0.13	0.35479
16131501	rfaP	b3630	265	948150	1790060	0.313303	126	28.56							1.48	0.76	0.38	0.87231
16131502	rfaG	b3631	374	948149	1790061	0.334701	115	37.67							2.16	1.63	0.66	1.48542
16131503	rfaQ	b3632	344	948155	1790062	0.324045	98	25.56							1.92	1.30	0.87	1.36457
16131504	kdtA	b3633	425	949048	1790064	0.413777	124	34.2							3.13	1.80	1.59	2.17495
16131505	kdtB	b3634	159	947386	1790065	0.445055	37	12.93							1.07	1.02	0.50	0.86039
16131506	mutM	b3635	269	946765	1790066	0.373574	87	25.37							1.17	1.02	0.36	0.85009
16131507	rpmG	b3636	55	946318	1790067	0.77179	33	6.39	1	38.2	16	13631.11			23.86	61.65	23.54	36.3509
16131508	rpmB	b3637	78	946941	1790068	0.675841	44	8.21	1	39.7	14	9283.19			22.88	68.36	33.24	41.4931
16131509	radC					0.297272									0.67	0.95	0.45	0.68601
16131510	dfp					0.389527									4.73	3.98	3.98	4.23367
16131511	dut	b3640	151	948607	1790071	0.519543	33	8.05					5177.75	0.162	3.94	3.37	2.33	3.2129
16131512	ttk					0.470522									3.11	3.47	2.78	3.1174
16131513	pyrE	b3642	213	948157	1790073	0.469629	63	15.26							0.48	0.69	0.41	0.52371
16131514	rph	b3643	228	948156	1790074	0.491108	65	12.25							1.83	1.30	0.80	1.31143
16131515	yicC	b3644	287	948154	1790075	0.536843	109	31.03								2.40	1.35	1.87698
16131516	dinD					0.339535									0.45	0.51	0.20	0.38578
16131517	yicG					0.367913												
16131518	yicF					0.373171												
16131519	gmk	b3648	207	948163	1790080	0.461425	64	15.54							8.39	4.69	3.35	5.47649
16131520	rpoZ	b3649	91	948160	1790081	0.661312	32	11.77	1	39.6	8	3700.20	18601.56	0.582	12.95	6.56	6.01	8.50712
16131521	spoT	b3650	702	948159	1790082	0.484576	239	52.84							6.26	2.12	1.84	3.40535
16131522	spoU	b3651	229	948161	1790083	0.474664	53	14.5							2.99	1.45	1.27	1.90234
16131523	recG	b3652	693	948162	2367254	0.438941	193	54.98							0.98	0.56	0.22	0.584
16131524	gltS	b3653	401	948166	1790085	0.435766	60	14.22							1.13			
16131525	yicE	b3654	463	948172	1790087	0.487715	41	7.38								1.73	0.85	1.29155
16131526	yicH	b3655	569	948171	1790088	0.389649	127	41.07								0.58	0.82	0.69873
16131527	yicI	b3656	772	948169	2367256	0.470875	200	50.29								0.42		
16131528	yicJ					0.445415												
16131529	yicK	b3659	394	948177	1790091	0.308526	69	9.62										
16131530	yicL	b3660	307	948176	1790092	0.293528	41	6.29									0.20	
16131531	nlpA	b3661	272	948175	1790093	0.344442	72	23.16							4.56	3.96	1.25	3.25651
16131532	yicM	b3662	451	948213	1790095	0.361871	63	14.94										
16131533	yicN					0.348127												
16131534	yicO					0.343669												
16131535	yicP	b3665	588	948210	1790098	0.400544	117	33.95										
16131536	uhpT	b3666	463	948201	2367259	0.530486	86	18.82								1.37		
16131537	uhpC					0.367687									0.85	0.68	0.28	0.60701
16131538	uhpB					0.370153												
16131539	uhpA	b3669	196	948178	1790102	0.437803	53	13.16							2.76	1.38	1.10	1.74584
16131540	ilvN	b3670	96	948183	1790103	0.506925	26	9.4							3.97	1.45	3.64	3.01756

16131541	ilvB	b3671	562	948182	1790104	0.475501	98	28.1	1	31	18	3487.21			9.70	3.01	6.40	6.36922
16131542	ivbL	b3672	32	948181	1790106	0.332068	6	3.4							22.80	14.97	15.04	17.6041
16131543	emrD					0.355605												
16131544	yidF	b3674	165	948179	1790108	0.370538	52	15.26										
16131545	yidG	b3675	120	948191	1790109	0.362517	30	8.88								0.19		
16131546	yidH	b3676	115	948190	1790110	0.30862	31	7								0.49	0.40	0.44415
16131547	yidI	b3677	149	948189	1790111	0.406437	36	4.65										
16131548	yidJ	b3678	497	948188	1790112	0.441637	121	30.23										
16131549	yidK	b3679	571	948185	1790113	0.413841	94	24.68										
16131550	yidL	b3680	307	948186	1790114	0.323703	78	18										
16131551	glvG	b3681	212	948187	1790115	0.47395	71	16.83							0.55		0.25	0.39907
16131552	yidP	b3684	238	948194	1790118	0.32554	82	24.26										
16131553	yidE					0.392089												
16131554	ibpB					0.509741									0.85	0.84	0.22	0.63802
16131555	ibpA	b3687	137	948200	1790122	0.578751	41	10.59	0.55	18.2	2				3.12	2.11	0.81	2.01551
16131556	yidQ					0.307652										1.66	2.45	2.05497
16131557	yidR					0.409146											0.27	
16131558	yidS					0.408438										0.55		
16131559	dgoT					0.493307												
16131560	dgoA					0.462081												
16131561	dgoK	b3693	292	948207	1790128	0.351295	54	14.48										
16131562	b3694					0.342214											0.57	
16131563	yidW					0.382997											0.51	
16131564	yidX					0.334226										0.42	0.14	0.28178
16131565	yidA	b3697	270	948204	2367265	0.520239	69	18.89					1757.88	0.055		1.26	0.63	0.94736
16131566	yidB					0.342463										2.18	0.84	1.50857
16131567	gyrB					0.635298									3.63	2.23	1.23	2.36121
16131568	recF	b3700	357	948209	1790135	0.350797	132	32.19							1.55	1.04	0.72	1.10271
16131569	dnaN	b3701	366	948218	1790136	0.53365	95	26.35	0.94	4.6	3	582.61			4.17	2.26	2.77	3.06468
16131570	dnaA	b3702	467	948217	2367267	0.434098	151	47.79							4.03	1.70	1.11	2.27891
16131571	rpmH	b3703	46	948216	1790138	0.781527	34	3.8							16.45	13.47	11.06	13.6615
16131572	rnpA	b3704	119	948215	1790139	0.304537	66	14.61							11.53	8.15	5.76	8.47888
16131573	yidC	b3705	548	948214	1790140	0.65473	108	22.8								2.36	1.24	1.80157
16131574	thdF	b3706	454	948222	2367268	0.435959	120	37.78	0.36	12.3	1				1.80	1.43	1.85	1.6949
16131575	tnaL	b3707	24	948223	1790143	0.375391	6	2.12							0.52	0.20	1.63	0.78516
16131576	tnaA					0.579075							37235.09	1.165	0.18	0.37	2.39	0.98148
16131577	tnaB	b3709	415	948220	1790145	0.379314	52	8.03										
16131578	yidY	b3710	391	948219	1790146	0.347254	49	7.03										
16131579	yidZ	b3711	319	948227	1790147	0.410465	85	21.15										
16131580	yieE	b3712	253	948226	1790148	0.34141	78	23.01									0.87	
16131581	yieF	b3713	188	948225	1790149	0.49514	35	9.03								0.53	0.61	0.57024
16131582	yieG	b3714	445	948224	1790150	0.528064	38	8.6								3.32	1.05	2.18359
16131583	yieH	b3715	221	948232	1790151	0.506655	47	11.8								1.05	0.58	0.81163
16131584	yieI	b3716	155	948231	1790152	0.290239	29	5.52								0.34		
16131585	yieJ	b3717	195	948230	1790153	0.417179	36	8.4								0.67	0.22	0.44262
16131586	yieK					0.443235												
16131587	yieL					0.435875												
16131588	yieC	b3720	538	948228	1790157	0.469985	147	44.29								0.25		
16131589	bglB	b3721	470	948234	2367270	0.378978	115	28.11							0.13			
16131590	bglF	b3722	625	948236	1790159	0.366078	87	19.19										
16131591	bglG	b3723	278	948235	1790160	0.305175	85	25.75										
16131592	phoU	b3724	241	948233	1790161	0.570017	84	20.73	0.67	7.1	1	175.95			1.61	0.81	0.74	1.05319
16131593	pstB	b3725	257	948240	1790162	0.605371	74	19.5							6.30	4.91	4.70	5.30397
16131594	pstA	b3726	296	948239	1790163	0.545719	52	11.18							2.05	1.78	0.90	1.57536
16131595	pstC	b3727	319	948238	1790164	0.53723	29	7.87							1.39	0.77	0.64	0.93498
16131596	pstS	b3728	346	948237	2367271	0.664759	98	32.47					5785.02	0.181	4.23	4.31	2.63	3.72402
16131597	glmS	b3729	609	948241	1790167	0.603535	162	46.39	1	25.1	12	1408.22			4.74	3.34	2.50	3.5264
16131598	glmU	b3730	456	948246	1790168	0.552646	125	29.98					1502.19	0.047	10.31	4.41	4.51	6.4104
16131599	atpC	b3731	139	948245	1790169	0.573089	31	5.93	0.72	37.4	2	1321.97	6871.71	0.215	9.73	7.98	5.75	7.82132
16131600	atpD	b3732	460	948244	1790170	0.713904	127	40.66	1	63.3	34	4552.23	21573.98	0.675	11.90	5.69	6.89	8.1589
16131601	atpG	b3733	287	948243	1790171	0.550647	96	29.48	0.99	7.3	1	182.82	5976.79	0.187	21.80	10.59	14.78	15.7219
16131602	atpA	b3734	513	948242	1790172	0.727179	144	40.77	1	34.3	15	2002.92	22756.55	0.712	23.26	10.51	20.81	18.1932
16131603	atpH	b3735	177	948254	1790173	0.462975	50	11.14	0.97	22	3	1422.07	3739.49	0.117	31.51	25.70	45.16	34.1257
16131604	atpF	b3736	156	948247	1790174	0.558961	62	17.71							22.47	20.90	35.73	26.3658
16131605	atpE	b3737	79	948253	1790175	0.698646	9	3.36							29.19	28.37	44.78	34.113
16131606	atpB	b3738	271	948252	1790176	0.510636	31	6.41							19.28	16.62	21.55	19.1529
16131607	atpI					0.325979									8.46	7.11	6.15	7.24066
16131608	gidB	b3740	207	948250	1790179	0.414255	60	18.6							1.04	0.79	0.25	0.69204
16131609	gidA	b3741	629	948248	2367273	0.506842	190	45.47							2.45	1.15	0.56	1.38763
16131610	mioC	b3742	147	948249	1790181	0.462203	18	4.39	0.21	17	1				4.95	6.09	3.30	4.78096
16131611	asnC	b3743	152	948259	1790182	0.434752	44	13.22							0.82		0.29	0.55557
16131612	asnA	b3744	330	948258	1790183	0.520293	92	24.24	1	23.9	7	1572.09	1182.57	0.037	1.67	1.15	0.51	1.11063
16131613	yieM					0.370556										0.72	0.74	0.72898
16131614	yieN					0.410867										0.58	0.73	0.65898
16131615	kup					0.359898									0.93		0.41	0.67118
16131616	rbsD					0.401915									5.01	8.42	12.29	8.57432
16131617	rbsA	b3749	501	948264	1790190	0.471079	168	53.14							0.78	1.14	0.60	0.83734
16131618	rbsC	b3750	321	948262	1790191	0.427103	37	9.88							1.13	0.87	1.63	1.21349
16131619	rbsB	b3751	296	948261	1790192	0.566262	91	31.27	1	26.7	6	1044.57	3515.76	0.11	6.85	10.28	13.83	10.3204
16131620	rbsK	b3752	309	948260	1790193	0.432736	62	21.78					2269.26	0.071	1.33	0.98	1.09	1.13219
16131621	rbsR	b3753	330	948266	1790194	0.420006	81	21.09							0.81	0.79	0.37	0.65701
16131622	yieO	b3754	475	948265	1790195	0.313729	80	18.02								0.24		
16131623	yieP					0.367359										1.29	0.51	0.90123
16131624	yifE	b3764	112	948274	2367277	0.493744	48	13.75	0.99	31.2	7	2743.74	7191.33	0.225		9.27	1.70	5.48518
16131625	yifB	b3765	516	948282	1790201	0.292381	151	43.95										
16131626	ilvL	b3766	32	948283	1790202	0.203233	7	0.78							23.58	29.78	5.59	19.649
16131627	ilvM	b3769	87	948279	1790204	0.337739	22	5.6							4.07	1.55	1.55	2.39066
16131628	ilvE					0.570093									9.54	3.32	2.71	5.19322
16131629	ilvD					0.537441									3.95	1.17	1.66	2.26279
16131630	ilvA	b3772	514	948287	1790207	0.491268	147	45.94	0.3	13.8	1				3.16	1.64	1.27	2.02252
16131631	ilvY	b3773	297	948284	1790208	0.417163	79	22.94									0.37	
16131632	ilvC	b3774	491	948286	1790210	0.668536	144	42.57	1	51.3	165	21100.49			27.54	19.16	26.62	24.4395
16131633	ppiC	b3775	93	948285	1790211	0.560083	36	8.57							2.59	2.56	1.32	2.15666
16131634	rep					0.453042									1.09	0.70	0.43	0.73697
16131635	gppA					0.414445									1.48	0.79	0.64	0.97051
16131636	rhlB	b3780	421	948290	1790214	0.482421	136	36.35							8.49	4.22	2.71	5.14206
16131637	trxA					0.527368							13583.62	0.425	12.33	12.42	7.19	10.6456
16131638	rhoL	b3782	33	948288	1790216	0.255597	12	2.76							19.96	19.65	16.69	18.7662
16131639	rho	b3783	419	948297	1790217	0.619233	146	43.71	1	42.2	37	4608.22	2461.03	0.077	7.91	5.65	3.01	5.52607
16131640	rfe	b3784	367	948789	1790218	0.39487	76	13.46							2.37	0.92	0.88	1.39068
16131641	wzzE					0.407637							1086.69	0.034	2.32	1.35	1.20	1.62408
16131642	wecB					0.395319									2.18		0.90	1.54024
16131643	wecC					0.464643									3.66	1.58	1.27	2.1671
16131644	rffG					0.495586									2.71	1.19	0.99	1.62919
16131645	rffH	b3789	293	948299	1790224	0.502144	75	19.44							2.63	1.48	1.02	1.70847
16131646	wecD					0.343404									1.81	1.27	0.63	1.23599
16131647	wecE	b3791	376	948296	2367285	0.524785	98	20.71	0.46	4.3	1				0.94	0.98	0.39	0.77008
16131648	wzxE	b3792	416	948294	1790227	0.359688	83	21.05							0.97	0.69	0.49	0.71533

16131649	wecF	b3793	450	948293	2367288	0.43199	82	18.3							0.78			
16131650	wecG	b3794	246	948301	2367289	0.465534	83	25.89							0.71	0.95	0.30	0.64906
16131651	yifK					0.442668										2.41	1.54	1.97585
16131652	aslB					0.411182									0.20	0.33		0.26801
16131653	aslA	b3801	551	949015	1790233	0.497648	127	35.91							0.42	0.41	0.14	0.32573
16131654	hemY	b3802	398	948311	1790234	0.480034	128	34.49							2.50		1.82	2.15975
16131655	hemX	b3803	393	948446	1790235	0.457197	102	34.78	0.74	18.3	3	347.48			4.16	1.96	3.11	3.07579
16131656	hemD	b3804	246	948587	1790236	0.306421	65	18.08							5.66	3.07	2.65	3.7926
16131657	hemC					0.392926									4.15	1.66	2.52	2.77504
16131658	cyaA	b3806	848	947755	1790238	0.461145	239	62.97							2.01	0.68	0.37	1.01823
16131659	cyaY	b3807	106	947754	1790239	0.624927	21	6.41							3.78	2.35	1.94	2.68954
16131660	b3808	b3808	161	948475	1790240	0.385698	31	9.42										
16131661	dapF					0.430082									8.82	3.48	4.34	5.54524
16131662	yigA	b3810	235	948359	1790243	0.379861	67	22.1								1.45	1.14	1.29633
16131663	xerC	b3811	298	948355	1790244	0.428723	107	29.32							4.42	2.15	2.09	2.88349
16131664	yigB	b3812	238	948357	2367295	0.408988	62	18.52								1.40	1.13	1.26622
16131665	uvrD	b3813	720	948347	2367296	0.481968	225	58.3							2.21	1.64		1.92349
16131666	corA	b3816	316	948351	2367297	0.531042	79	19.61							1.62	1.12	0.47	1.0703
16131667	yigF	b3817	126	948340	1790250	0.306883	37	7.97										
16131668	yigG					0.299859												
16131669	rarD					0.398932									0.91			
16131670	yigI					0.376649										1.27	1.01	1.13929
16131671	pldA	b3821	289	948307	2367300	0.466825	63	19.82							1.61	1.08	0.76	1.14751
16131672	recQ					0.455645											0.51	
16131673	yigJ					0.407719										1.07		
16131674	yigK					0.344356										0.89	0.45	0.67056
16131675	pldB					0.3863									2.25	0.92	0.78	1.31503
16131676	yigM	b3827	299	948309	1790261	0.458955	40	9.67								0.64	0.38	0.50994
16131677	metR	b3828	317	948310	1790262	0.34325	85	24.39							1.79	0.91	0.79	1.16243
16131678	metE	b3829	753	948323	2367304	0.522399	211	56.73	1	45.3	430	41263.67			20.82	11.52	15.25	15.863
16131679	ysgA					0.328013										1.06	0.79	0.92546
16131680	udp	b3831	253	948987	1790265	0.61939	60	14.8	0.27	6.7	1		2716.72	0.085	3.38	1.48	1.91	2.25595
16131681	yigN	b3832	475	948966	1790266	0.43517	162	56.43								0.68	0.48	0.57645
16131682	ubiE					0.491618									4.77	2.92	2.69	3.45912
16131683	yigP	b3834	201	948915	2367308	0.456234	64	12.15								2.37	2.14	2.257
16131684	yigR	b3835	546	948322	2367309	0.388176	180	54.03								1.96	1.03	1.4942
16131685	b3836					0.438912											4.82	
16131686	b3838					0.439644											2.92	
16131687	yigU	b3839	258	948328	2367313	0.471603	32	6.33								2.63	1.30	1.9617
16131688	rfaH	b3842	162	948327	1790276	0.393359	48	10.62							0.79	0.65	0.24	0.56051
16131689	yigC	b3843	497	948326	1790277	0.45663	140	38.55								2.95	2.28	2.61222
16131690	ubiB	b3844	233	948325	2367314	0.429668	69	20.36	0.79	7.7	2	422.47			5.50	3.48	2.79	3.92162
16131691	fadA					0.497601									0.89		0.95	0.91908
16131692	fadB	b3846	729	948336	1790281	0.562877	229	64.87							0.95		1.11	1.03057
16131693	pepQ	b3847	443	948335	1790282	0.585507	110	28.86	1	20.5	7	1320.43	671.19	0.021	6.42	2.13	3.11	3.88718
16131694	yigZ					0.377045										1.34	1.02	1.17991
16131695	trkH					0.373159									1.99	1.05	0.53	1.19067
16131696	hemG	b3850	181	948331	1790285	0.421993	69	19.95							3.39	1.85	1.35	2.19799
16131697	mobB	b3856	170	948343	1790287	0.297745	46	11.52							1.24	0.92		1.08197
16131698	mobA	b3857	194	948349	1790288	0.361925	45	13.86							1.35	0.57	0.67	0.86537
16131699	yihD	b3858	89	948348	1790289	0.511985	36	10.58	0.91	39.3	7	3277.68				3.99	3.31	3.64643
16131700	yihE	b3859	328	948346	1790290	0.366748	79	26.43								1.95	2.53	2.24195
16131701	dsbA	b3860	208	948353	1790291	0.66827	54	15.59					5848.95	0.183	6.54	3.23	2.86	4.21305
16131702	yihF					0.366141										0.30	0.13	0.21649
16131703	yihG	b3862	310	948350	1790293	0.366994	104	26.3								0.29	0.19	0.24041
16131704	polA	b3863	928	948356	1790294	0.48548	269	78.27							2.15	1.46	1.03	1.54752
16131705	yihA					0.51146										5.45	2.36	3.90448
16131706	yihI	b3866	169	948363	1790297	0.492114	76	16.58								2.42	1.39	1.90615
16131707	hemN					0.494004									1.61	1.03	0.50	1.0484
16131708	glnG	b3868	469	948361	1790299	0.423809	145	41.87										
16131709	glnL	b3869	349	948360	1790300	0.378192	82	31.58							3.63	1.51	1.07	2.0695
16131710	glnA	b3870	469	948370	1790301	0.702191	125	37.67	1	46.9	88	12717.43	5753.06	0.18	10.83	5.52	4.60	6.98087
16131711	yihK					0.708508										7.07	3.62	5.34396
16131712	yihL	b3872	236	948368	1790304	0.358858	82	26.22								0.29		
16131713	yihM	b3873	326	948367	1790305	0.367199	93	30.59								0.27	0.18	0.22679
16131714	yihN	b3874	421	948365	1790306	0.392409	89	13.65										
16131715	yshA	b3875	230	948366	1790307	0.385977	62	19.04										
16131716	yihO					0.368108												
16131717	yihP					0.457829												
16131718	yihQ	b3878	678	948376	2367323	0.509657	147	32.62								0.69		
16131719	yihR					0.383858												
16131720	yihS					0.527719												
16131721	yihT	b3881	292	948373	1790314	0.476328	91	26.36									0.31	
16131722	yihU	b3882	298	948372	1790315	0.433461	62	16.82										
16131723	yihV					0.406971											0.21	
16131724	yihW					0.356352										0.91	0.56	0.73785
16131725	yihX					0.419022										1.88	2.39	2.13499
16131726	rbn	b3886	290	948379	1790319	0.358364	55	12.06							1.52	0.63	0.75	0.96527
16131727	yihZ	b3887	145	948378	1790320	0.382452	41	10.69								1.90	3.58	2.74184
16131728	yiiD	b3888	329	948387	1790321	0.387069	82	19.15								1.71	0.73	1.22371
16131729	yiiE					0.303422										0.17		
16131730	yiiF					0.275245												
16131731	fdhE	b3891	309	948384	1790324	0.501352	81	26.02							1.34		0.66	1.00086
16131732	fdoI	b3892	211	948383	1790325	0.483131	57	9.75							1.56	0.75	0.63	0.97672
16131733	fdoH	b3893	300	948395	1790326	0.540376	76	19.08							1.44	0.72	0.44	0.8651
16131734	fdoG	b3894	1016	948394	3868720	0.53747	286	77.37							1.01	0.43	0.50	0.64559
16131735	fdhD	b3895	277	948393	1790329	0.355952	72	14.02							1.14			
16131736	yiiG	b3896	351	948392	1790330	0.435218	110	28.79										
16131737	frvR	b3897	582	948389	1790331	0.343611	150	43.66										
16131738	frvX	b3898	356	948388	1790332	0.431234	92	23.18										
16131739	frvB					0.451559									0.39			
16131740	frvA	b3900	148	948391	2367327	0.469556	33	7.84										
16131741	yiiL	b3901	104	948402	1790335	0.527831	27	9.7										
16131742	rhaD	b3902	274	948401	1790336	0.453017	53	15.34								0.59	0.22	0.40635
16131743	rhaA					0.44737												
16131744	rhaB	b3904	489	948399	1790338	0.393297	93	21.1							0.45	0.53	0.22	0.40143
16131745	rhaS	b3905	278	948397	1790339	0.320454	72	17.6										
16131746	rhaR	b3906	312	948396	1790340	0.370498	81	22.78										
16131747	rhaT	b3907	344	948398	1790341	0.400264	54	7.31										
16131748	sodA					0.774126							9844.13	0.308	18.32	16.22	26.06	20.2004
16131749	kdgT					0.364744												
16131750	yiiM					0.348297										0.82	0.52	0.67049
16131751	cpxA	b3911	457	948405	1790346	0.469686	129	40.3							1.34	1.22	0.94	1.16596
16131752	cpxR	b3912	232	948404	2367329	0.43398	71	19.5	0.39	5.6	1				5.78	1.89	5.67	4.44881
16131753	yiiP	b3915	300	948413	1790349	0.302723	56	13.29								3.10	2.19	2.64503
16131754	pfkA	b3916	320	948412	1790350	0.724865	96	24.84	1	30	15	3287.39	4186.95	0.131	7.24	5.01	3.65	5.30117
16131755	sbp	b3917	329	948411	1790351	0.509763	106	32.61							2.12	1.75	0.49	1.45499
16131756	cdh	b3918	251	948410	1790352	0.349989	68	24.45							0.76	0.68	0.32	0.58745

16131757	tpiA	b3919	255	948409	1790353	0.789422	66	16.74	1	35.3	28	9105.73	3228.11	0.101	10.28	5.59	9.54	8.4718
16131758	yiiQ	b3920	199	948408	1790354	0.36699	57	18.11								0.98	0.44	0.70765
16131759	yiiR	b3921	146	948417	1790355	0.387569	40	6.41								0.64	0.22	0.42887
16131760	yiiS	b3922	99	948416	1790357	0.393903	30	7								0.83	0.99	0.90811
16131761	yiiT	b3923	142	948415	1790358	0.371401	45	9.62								1.26	1.30	1.27876
16131762	fpr	b3924	248	948414	1790359	0.354422	67	17.14							3.21	1.77	1.04	2.0066
16131763	glpX	b3925	336	948424	1790360	0.548353	101	27.38							1.94	1.43	1.98	1.78174
16131764	glpK	b3926	502	948423	1790361	0.574881	140	37.7	0.5	12.2	1		5465.41	0.171		3.27	21.76	12.5161
16131765	glpF	b3927	281	948422	1790362	0.436929	33	7.21							0.52	5.46	32.14	12.7054
16131766	yiiU	b3928	81	948420	1790363	0.598317	26	9.85	1	42	20	11053.66	7478.98	0.234		5.81	2.00	3.90903
16131767	menG	b3929	161	948419	1790364	0.475689	26	8.64							6.55	6.98	3.29	5.60718
16131768	menA	b3930	308	948418	1790365	0.375822	47	10.14							1.60	1.02	0.58	1.06627
16131769	hslU	b3931	443	948430	1790366	0.654071	155	39.9	1	11.1	7	955.07	4346.76	0.136	4.68	3.30	1.94	3.30747
16131770	hslV	b3932	176	948429	1790367	0.54891	53	10.34							7.70	4.53	4.94	5.72426
16131771	ftsN	b3933	319	948428	1790368	0.418737	112	28.77							3.72	1.73	1.49	2.31358
16131772	cytR	b3934	341	948427	1790369	0.409514	99	19.54							2.43	1.57	1.10	1.70225
16131773	priA	b3935	732	948426	1790370	0.428324	209	61.25							0.71			
16131774	rpmE	b3936	70	948425	1790371	0.791599	31	5.19	0.93	52.9	2	1951.00			13.96	32.22	13.53	19.9035
16131775	yiiX	b3937	202	948436	1790372	0.466489	66	19.4										
16131776	metJ	b3938	105	948435	1790373	0.507569	39	9.85							4.98	5.44	3.11	4.50845
16131777	metB	b3939	386	948434	1790375	0.426994	95	22	0.65	11.1	1	160.84			4.47	2.32	1.52	2.76965
16131778	metL	b3940	810	948433	1790376	0.491319	210	63.95	0.92	7.2	4	313.27			2.33	1.29	0.63	1.41467
16131779	metF	b3941	296	948432	1790377	0.494043	87	25.45	1	23	5	1069.53			6.74	8.41	3.50	6.21457
16131780	katG	b3942	726	948431	1790378	0.597639	207	67.15	1	27.1	21	1702.49			3.91	2.12	2.56	2.86058
16131781	yijE					0.359462												
16131782	yijF	b3944	205	948441	1790380	0.399866	59	15.22										
16131783	gldA					0.549698											0.27	
16131784	talC	b3946	220	948439	1790382	0.448097	54	17.59	0.75	30.9	2	464.23						
16131785	ptsA					0.481263											0.24	
16131786	yijI					0.278606												
16131787	frwC	b3949	359	948448	1790386	0.518649	53	10.39										
16131788	frwB	b3950	106	948447	1790387	0.572691	34	6.51							0.25	0.30	0.15	0.23418
16131789	pflD	b3951	765	948454	1790388	0.440495	202	57.83										
16131790	pflC					0.3845									0.64	0.83	0.28	0.58233
16131791	frwD	b3953	113	948452	1790390	0.385993	34	10.6										
16131792	yijO	b3954	283	948451	1790391	0.392952	74	19.84								0.64	0.22	0.43
16131793	yijP	b3955	577	948458	1790392	0.506157	128	43.61								3.38	1.18	2.27562
16131794	ppc	b3956	883	948457	1790393	0.525587	267	79.74	1	40.7	96	6554.01	1598.07	0.05	10.51	3.94	3.74	6.06239
16131795	argE	b3957	383	948456	1790395	0.398698	78	19.38	0.72	14.4	1	202.25			7.41	3.60	3.36	4.78832
16131796	argC	b3958	334	948455	1790396	0.436931	47	8.67							8.67	3.96	3.29	5.30928
16131797	argB					0.431983									10.24	5.46	5.35	7.01525
16131798	argH	b3960	457	948463	1790398	0.49759	124	33.97	1	26	13	2083.34			5.78	2.03	1.22	3.01201
16131799	oxyR	b3961	305	948462	1790399	0.482748	86	22.12	0.67	14.8	2	329.79			1.95		0.71	1.32878
16131800	udhA					0.483101									3.08	1.54	3.14	2.58983
16131801	yijC	b3963	234	948460	1790401	0.375725	88	23.25								3.08	2.76	2.92052
16131802	yijD	b3964	119	948459	1790402	0.499347	22	2.39								1.56	1.29	1.42221
16131803	trmA	b3965	366	947143	1790403	0.466854	105	29.55					1086.69	0.034	2.87	1.63	0.74	1.74633
16131804	btuB	b3966	614	948468	1790405	0.409037	146	47.26					2365.15	0.074	1.10	0.70	0.37	0.72426
16131805	murI					0.362091									2.41	0.66	0.69	1.25562
16131806	murB	b3972	342	948470	1790407	0.387632	84	23.82							2.77	1.28	0.98	1.6763
16131807	birA	b3973	321	948469	1790408	0.36216	95	25.64							1.53	0.90	0.33	0.91639
16131808	coaA	b3974	316	948479	1790409	0.363953	94	29.57							1.95	1.33	0.56	1.28045
16131809	b3975	b3975	51	948478	1790411	0.34286	8	1.62										
16131810	tufB	b3980	394	948482	1790412	0.823955	119	34.4	1	74.1	554	87672.53			32.95	57.02	69.48	53.1505
16131811	secE	b3981	127	948486	1790413	0.468077	36	9.8							10.01	7.33	6.97	8.09977
16131812	nusG	b3982	181	948485	1790414	0.655543	59	17.97	1	35.9	5	1514.73	3963.22	0.124	7.46	10.33	7.40	8.39763
16131813	rplK	b3983	142	948484	2367334	0.752124	51	14.43	1	43.7	33	12449.73			26.85	59.01	42.36	42.7409
16131814	rplA	b3984	234	948483	1790416	0.804174	90	27.13	1	62.8	72	14447.57			26.29	54.74	35.05	38.6902
16131815	rplJ	b3985	165	948490	1790417	0.705296	70	16.6	1	31.5	18	5903.05	5369.52	0.168	25.60	53.72	42.79	40.7043
16131816	rplL	b3986	121	948489	1790418	0.869751	38	10.05	1	64.5	202	109420.20	12145.35	0.38	22.66	38.72	29.55	30.3077
16131817	rpoB	b3987	1342	948488	1790419	0.696222	447	123.01	1	39.8	100	4425.60	4123.03	0.129	15.77	9.72	11.08	12.1901
16131818	rpoC	b3988	1407	948487	2367335	0.749152	473	121.14	1	33.9	90	4044.52			4.22	2.17	1.49	2.62684
16131819	htrC	b3989	179	948495	1790422	0.359479	65	16.21							0.31	0.38		0.34552
16131820	thiH	b3990	377	948494	1790423	0.368894	119	29.94							5.88	2.54	4.73	4.38652
16131821	thiG					0.37847							319.61	0.01	7.14	3.96	5.16	5.42182
16131822	thiF					0.352641									3.93		2.95	3.43739
16131823	thiE	b3993	211	948491	1790426	0.377	53	16.45					3515.76	0.11	7.02	2.08	5.08	4.72791
16131824	thiC	b3994	631	948492	1790427	0.48895	180	50.26							9.65	2.36	7.28	6.43045
16131825	yjaE	b3995	158	948496	1790428	0.377537	48	9.66								3.02	2.93	2.97346
16131826	yjaD					0.380009										1.49	1.66	1.57472
16131827	hemE	b3997	354	948497	2367337	0.504633	100	26.5	0.25	4.2	1		1054.73	0.033	3.67	1.68	1.43	2.26091
16131828	nfi					0.390546									2.56	0.77	1.14	1.49266
16131829	yjaG	b3999	196	948501	1790432	0.440261	50	13.65								2.08	0.92	1.49987
16131830	hupA	b4000	90	948499	1790433	0.719955	39	9.42	1	57.8	26	15025.70			25.58	36.37	19.99	27.311
16131831	yjaH	b4001	231	948508	1790434	0.374434	69	16.08								0.50	0.48	0.48938
16131832	yjaI					0.320523												
16131833	hydH	b4003	465	948506	1790436	0.356461	130	33.03										
16131834	hydG	b4004	441	948505	1790437	0.398203	121	33.13							1.12	1.01	0.32	0.8171
16131835	purD	b4005	429	948504	1790438	0.583553	113	31.03					767.07	0.024	4.46	2.62	1.31	2.7975
16131836	purH	b4006	529	948503	1790439	0.576685	164	46.03	0.91	14.2	1	107.62	3547.72	0.111	8.62	2.78	3.95	5.11603
16131837	yjaA	b4011	127	948515	1790441	0.410939	37	13.15										
16131838	yjaB	b4012	147	948514	1790442	0.331088	36	8.76									0.35	
16131839	metA	b4013	309	948513	1790443	0.417217	71	21.89	1	14.9	6	1492.17			8.98	5.98	3.78	6.24876
16131840	aceB	b4014	533	948512	1790444	0.478254	151	41.99	0.9	11.6	1	116.68			26.64	9.45	52.57	29.5533
16131841	aceA	b4015	434	948517	1790445	0.577791	101	26.96					13935.19	0.436	20.23	6.43	37.53	21.3989
16131842	aceK	b4016	578	944797	1790446	0.423328	183	48.57	0.33	11.9	1				2.74		1.33	2.03431
16131843	arp	b4017	728	944933	1790447	0.310137	210	54.14							0.09			
16131844	iclR					0.381494									1.28	0.90	0.39	0.85797
16131845	metH	b4019	1227	948522	1790450	0.517431	353	94.11	1	7.6	5	289.23			2.97	2.28	1.69	2.31146
16131846	yjbB	b4020	543	948521	1790451	0.383906	131	33.34								0.60	0.49	0.54544
16131847	pepE	b4021	229	948520	1790452	0.518523	46	12.96							0.66	0.59	0.58	0.61086
16131848	yjbC	b4022	290	948519	1790453	0.431903	120	29.35								0.85	0.58	0.71545
16131849	yjbD	b4023	90	948518	1790454	0.394251	51	8.77								3.57	1.03	2.30414
16131850	lysC	b4024	449	948531	1790455	0.465963	112	33.38	1	44.5	42	6849.76			4.72	2.68	0.94	2.77962
16131851	pgi	b4025	549	948535	1790457	0.640895	146	44.58	1	11.8	9	1099.04			7.58	3.76	5.18	5.50413
16131852	yjbE	b4026	80	948534	1790458	0.411456	4	0.28										
16131853	yjbF					0.425824												
16131854	yjbG	b4028	245	948526	1790460	0.348647	58	18.52										
16131855	yjbH	b4029	698	948527	1790461	0.439008	170	48.88										
16131856	yjbA	b4030	136	948528	1790462	0.39489	27	5.62								0.80		
16131857	xylE	b4031	491	948529	1790463	0.48297	69	13.97										
16131858	malG	b4032	296	948530	1790464	0.488613	43	10.82							0.75	0.84	0.67	0.75197
16131859	malF	b4033	514	948532	1790465	0.462692	93	17.99							0.99	0.94	0.79	0.90729
16131860	malE	b4034	396	948538	1790466	0.613332	123	41.04	1	22.7	14	1857.09	1725.92	0.054	2.82	2.24	3.82	2.95858
16131861	malK	b4035	371	948537	1790467	0.477837	100	25.73							1.08	0.69	1.77	1.17898
16131862	lamB	b4036	446	948548	1790469	0.643652	101	28.33							2.72	1.95	4.27	2.98129
16131863	malM	b4037	306	948547	1790470	0.435002	61	19.14							1.42	1.59	1.30	1.43298
16131864	yjbI	b4038	442	948546	1790471	0.297316	137	39.47										

16131865	ubiC					0.300162									4.44	3.35	3.00	3.59475
16131866	ubiA	b4040	290	948540	1790473	0.370987	55	9.15							1.99	1.07	0.60	1.22267
16131867	plsB					0.467706									2.48	1.28	0.89	1.54706
16131868	dgkA	b4042	122	948543	1790475	0.425235	26	6.03							4.26	2.47	1.68	2.79967
16131869	lexA	b4043	202	948544	1790476	0.474843	67	19.86					1150.61	0.036	4.48	3.23	1.25	2.98858
16131870	dinF	b4044	459	948554	1790477	0.367829	80	15.97							0.77	0.74	0.28	0.59597
16131871	yjbJ	b4045	69	948553	1790479	0.650515	38	7.74								0.65	0.89	0.77244
16131872	yjbK					0.420516										0.75	0.63	0.69087
16131873	yjbL	b4047	84	948551	1790481	0.258261	39	10.44										
16131874	yjbM	b4048	235	948550	1790482	0.314637	61	16.77								0.15		
16131875	yjbN	b4049	345	948558	1790483	0.450115	103	34.52								1.50	0.61	1.05626
16131876	yjbO					0.355671										0.62	0.23	0.4282
16131877	qor	b4051	327	948556	1790485	0.406044	94	26.54	0.32	8.6	1				3.98	1.06	1.94	2.32697
16131878	dnaB	b4052	471	948555	1790486	0.492983	141	44					1310.42	0.041	5.05	2.53	2.07	3.21492
16131879	alr	b4053	359	948564	1790487	0.441789	101	27.76										
16131880	tyrB	b4054	397	948563	1790488	0.389007	102	27.87	1	31	14	2734.66	2237.30	0.07	4.54	2.34	1.49	2.7886
16131881	aphA	b4055	237	948562	2367341	0.406617	58	17.41							0.63	0.54	0.64	0.60615
16131882	yjbQ	b4056	138	948561	1790491	0.371033	36	10.88								1.09	2.27	1.68233
16131883	yjbR	b4057	118	948560	2367342	0.462879	27	6.89								0.83	1.76	1.29226
16131884	uvrA	b4058	940	948559	2367343	0.491596	300	76.95	0.74	8.1	2	104.70			1.24	0.54	0.60	0.79158
16131885	ssb	b4059	178	948570	1790494	0.701575	39	11.41							4.88	3.02	2.88	3.59579
16131886	yjcB					0.377742										0.68		
16131887	yjcC	b4061	528	948568	1790496	0.333092	148	41.25										
16131888	soxS	b4062	107	948567	1790497	0.425514	42	10.07							1.43	1.35	2.09	1.62389
16131889	soxR	b4063	154	948566	1790498	0.347231	68	17.89										
16131890	yjcD	b4064	449	948565	1790499	0.509134	35	10.47								2.70	0.76	1.72779
16131891	yjcE	b4065	549	948577	1790501	0.426576	115	25.19								1.20	0.55	0.87196
16131892	yjcF	b4066	430	948576	1790502	0.309188	127	30.16					1502.19	0.047				
16131893	yjcG	b4067	549	948575	1790503	0.508578	90	16.2								0.66	4.50	2.57617
16131894	yjcH	b4068	104	948574	1790504	0.346175	22	6.94									4.14	
16131895	acs	b4069	652	948572	1790505	0.528159	161	43.58	1	6.9	5	624.59			1.99	0.93	10.10	4.3407
16131896	nrfA	b4070	478	948571	1790506	0.54643	157	41.83							0.98	1.06	0.31	0.78335
16131897	nrfB					0.464613												
16131898	nrfC	b4072	223	948581	2367345	0.446577	78	22.81										
16131899	nrfD	b4073	318	948580	1790509	0.419566	46	12.15							1.04		0.40	0.72167
16131900	nrfE	b4074	552	948579	1790511	0.349922	99	26.63										
16131901	nrfF	b4075	127	948578	1790512	0.349816	23	4.62										
16131902	nrfG	b4076	198	948592	1790513	0.380788	52	11.16										
16131903	gltP	b4077	437	948591	1790514	0.485889	78	18.25							1.04	1.03	0.28	0.78304
16131904	yjcO	b4078	229	948586	1790515	0.439359	57	13.56									0.34	
16131905	fdhF	b4079	715	948584	3868721	0.56749	207	48.71							0.52		0.21	0.36636
16131906	yjcP	b4080	488	948583	2367348	0.369963	122	39.62										
16131907	yjcQ					0.378181										0.90	0.40	0.64777
16131908	yjcR	b4082	343	948598	1790519	0.447483	109	34.22										
16131909	yjcS					0.540012										1.37		
16131910	yjcT	b4084	309	948596	1790522	0.373482	66	18.52										
16131911	yjcU	b4085	231	948595	1790523	0.496832	57	15.05									0.33	
16131912	yjcV	b4086	326	948594	1790524	0.424735	34	5.9										
16131913	yjcW	b4087	510	948593	1790525	0.387876	180	45.28								0.53		
16131914	yjcX	b4088	311	948604	1790526	0.465927	98	31.42								0.67	0.41	0.54016
16131915	rpiR					0.345946									1.58	1.38	0.54	1.1671
16131916	rpiB	b4090	149	948602	1790528	0.348111	40	10.46	1	41.6	20	10409.04			1.16	0.82	0.84	0.9384
16131917	phnQ					0.273002												
16131918	phnP	b4092	252	948600	1790530	0.425096	48	11.52							0.77		0.26	0.51561
16131919	phnO	b4093	144	948599	1790531	0.51381	37	9.72							1.79	0.63	0.80	1.07284
16131920	phnN	b4094	185	948608	1790532	0.390675	55	13.77							0.85	0.37	0.49	0.56894
16131921	phnM	b4095	378	948613	1790533	0.502799	110	27.04										
16131922	phnL	b4096	226	948612	1790534	0.491439	72	23.39										
16131923	phnK					0.420578												
16131924	phnJ	b4098	281	948606	1790536	0.500587	80	25.09							0.75	1.88	0.67	1.10085
16131925	phnI	b4099	354	948605	1790537	0.493482	90	26.37										
16131926	phnH	b4100	194	948619	1790538	0.474306	28	5.66										
16131927	phnG	b4101	150	948618	1790539	0.509751	47	17.37										
16131928	phnF	b4102	241	948617	1790540	0.450056	79	19.16										
16131929	b4103					0.444519												
16131930	phnE	b4104	206	948625	1790542	0.402126	33	6.94										
16131931	phnD	b4105	338	948624	1790543	0.480115	105	33.18								1.29		
16131932	phnC	b4106	262	948623	1790544	0.499539	89	24.49										
16131933	phnB	b4107	147	948622	1790546	0.398502	32	11.92							1.09		0.72	0.90343
16131934	phnA	b4108	111	948621	1790547	0.706572	36	6.61					1054.73	0.033	4.64	3.80	3.34	3.92522
16131935	yjdA	b4109	742	948620	1790548	0.340693	192	55.83								11.78	0.17	5.97711
16131936	yjcZ					0.357984										3.83		
16131937	proP	b4111	500	948626	1790550	0.447125	84	17.82							6.07	3.13	2.53	3.9087
16131938	basS	b4112	363	948632	1790551	0.34039	101	27.25							1.32	1.83	0.34	1.1625
16131939	basR	b4113	222	948631	1790552	0.406469	62	15.07							1.27	1.64	0.74	1.21511
16131940	yjdB					0.411009										1.30	0.34	0.81973
16131941	yjdE	b4115	445	948628	2367353	0.411184	55	12.09								0.18		
16131942	adiY	b4116	253	948627	1790557	0.326917	74	17.22										
16131943	adiA	b4117	756	948638	1790558	0.536238	168	48.1										
16131944	melR	b4118	302	948637	1790559	0.428322	79	24.09										
16131945	melA	b4119	451	948636	1790560	0.4479	103	24.79									0.64	
16131946	melB	b4120	469	948635	1790561	0.366948	69	15.51							0.40	0.28		0.33981
16131947	yjdF	b4121	209	948634	1790562	0.334503	41	9.27								0.62	0.33	0.47084
16131948	fumB	b4122	548	948642	1790564	0.584364	146	41.22					3323.99	0.104				
16131949	dcuB	b4123	446	948641	1790565	0.5216	56	10.51										
16131950	yjdG	b4124	239	948640	1790566	0.407492	61	15.72									0.42	
16131951	yjdH	b4125	543	948639	1790567	0.360132	160	47.93								0.47	0.74	0.60445
16131952	yjdI	b4126	76	948648	1790568	0.457879	24	5.08								1.19	1.97	1.57998
16131953	yjdJ	b4127	90	948647	1790569	0.377903	43	7.54								0.78	1.36	1.06821
16131954	yjdK	b4128	98	948646	1790570	0.296399	21	4.81								0.07		
16131955	lysU	b4129	505	948645	1790571	0.515559	152	42.02							1.12	0.46	0.49	0.69042
16131956	yjdL	b4130	485	948644	1790572	0.383616	69	8.9								0.67	0.35	0.51281
16131957	cadA	b4131	715	948643	1790573	0.660574	194	54.41										
16131958	cadB	b4132	444	948654	1790575	0.580416	42	9.68										
16131959	cadC	b4133	512	948653	1790576	0.332096	127	34.89										
16131960	yjdC					0.429863										2.59	3.50	3.04393
16131961	dsbD	b4136	565	948649	1790578	0.379525	81	20.02							1.88	0.98	0.80	1.21852
16131962	cutA	b4137	112	948660	1790579	0.4068	18	3.51							3.70	2.54	2.00	2.74727
16131963	dcuA	b4138	433	948659	1790580	0.620573	41	8.02							2.12	2.35	0.99	1.81821
16131964	aspA					0.673592									1.58	2.66	2.12	2.12138
16131965	b4140					0.388062									0.69	1.10	0.42	0.73867
16131966	yjeH	b4141	418	948656	1790584	0.327982	44	8.87								1.47	0.60	1.03267
16131967	mopB	b4142	97	948655	1790585	0.608825	30	9.26	1	82.5	110	64668.67	10227.66	0.32	27.41	24.56	44.22	32.0649
16131968	mopA	b4143	548	948665	1790586	0.831614	168	45.33	1	55.8	97	11649.26	34837.98	1.09	10.89	7.13	12.59	10.2056
16131969	yjeI					0.435357										4.00	5.47	4.7344
16131970	yjeJ	b4145	289	948663	1790588	0.423186	102	27.13									0.19	
16131971	yjeK	b4146	342	948662	1790589	0.39599	106	31.03								1.34	0.50	0.9182
16131972	efp	b4147	188	948661	1790590	0.741904	46	8.83	0.97	17	4	2392.12	11633.97	0.364	13.11	8.39	8.36	9.95086

16131973	sugE					0.347585									1.24			
16131974	blc	b4149	177	948670	1790592	0.43319	61	21.22							2.35	0.85	1.28	1.49121
16131975	ampC	b4150	377	948669	1790593	0.36162	86	29.43							0.83	0.46	0.37	0.55218
16131976	frdD	b4151	119	948668	1790594	0.585295	19	4.44							0.71	0.60	0.63	0.64808
16131977	frdC	b4152	131	948680	1790595	0.529473	34	9.6							0.53	0.36	0.34	0.41021
16131978	frdB	b4153	244	948666	1790596	0.639315	60	12.26				1853.76	0.058		1.86	0.96	1.10	1.30512
16131979	frdA	b4154	602	948667	1790597	0.638957	169	47.34				4218.91	0.132		2.51	1.34	1.99	1.94485
16131980	yjeA					0.406262										0.49	0.26	0.37095
16131981	yjeM					0.380745												
16131982	yjeN	b4157	104	948678	1790601	0.351761	35	7.5										
16131983	yjeO	b4158	104	948677	1790602	0.420241	22	4.92								0.36		
16131984	yjeP	b4159	1107	948676	2367355	0.410757	280	77.65								0.82	0.52	0.66871
16131985	psd	b4160	322	948673	1790604	0.52754	86	21.85	0.48	14.6	1				3.77	2.09	1.44	2.43382
16131986	yjeQ					0.48693										2.31	1.02	1.66685
16131987	yjeR					0.497054										0.95	1.04	0.99344
16131988	yjeS	b4166	379	948686	1790608	0.357679	115	26.89										
16131989	yjeF	b4167	515	948685	1790609	0.389772	118	29.91								1.41	1.66	1.53539
16131990	yjeE	b4168	153	948684	1790610	0.360226	32	10.65								1.16	0.87	1.01623
16131991	amiB	b4169	445	948683	1790611	0.388232	122	36.6							2.83	1.10	0.97	1.63381
16131992	mutL	b4170	615	948691	1790612	0.414708	174	45.16							1.60	0.75	0.75	1.03414
16131993	miaA	b4171	316	948690	1790613	0.326079	92	31.24							18.61	28.89	26.51	24.6715
16131994	hfq	b4172	102	948689	1790614	0.50165	18	6.95							15.13	15.31	14.82	15.0838
16131995	hflX	b4173	426	948688	1790615	0.420273	151	42.66							12.95	6.55	7.26	8.9196
16131996	hflK	b4174	419	948698	1790616	0.551595	136	37.92							6.91	4.88	6.02	5.93703
16131997	hflC	b4175	334	948697	1790617	0.601103	134	35.1							4.42	4.76	3.35	4.175
16131998	yjeT	b4176	65	948696	1790619	0.335501	18	5.72										
16131999	purA	b4177	432	948695	1790620	0.691031	134	40.21	1	44	47	6363.21	8150.17	0.255	6.98	4.77	3.46	5.07159
16132000	yjeB	b4178	141	948693	1790621	0.302154	40	11.26								1.53	0.63	1.08264
16132001	vacB					0.548084									2.73	1.84	1.40	1.99079
16132002	yjfH	b4180	243	948694	1790623	0.502261	68	16.32					1789.84	0.056		0.54		
16132003	yjfI	b4181	133	948704	1790624	0.329169	14	2.77								0.27		
16132004	yjfJ	b4182	232	948703	1790625	0.435472	96	22.54										
16132005	yjfK	b4183	219	948702	1790626	0.411863	45	12.95										
16132006	yjfL	b4184	132	948701	1790627	0.359264	9	2.55								0.23		
16132007	yjfM	b4185	212	948700	1790628	0.439065	73	14.96										
16132008	yjfC	b4186	387	948699	1790629	0.44606	103	30.91								0.35		
16132009	aidB					0.351961									1.12		0.39	0.75197
16132010	yjfN					0.36835											0.57	
16132011	yjfO					0.303708										0.37	1.87	1.1196
16132012	yjfP	b4190	249	948707	1790634	0.322988	43	14.12										
16132013	yjfQ	b4191	251	948706	1790635	0.439811	67	17.22								0.46	0.38	0.42319
16132014	yjfR					0.614325												
16132015	sgaT					0.542096												
16132016	sgaB	b4194	101	948716	1790638	0.542259	23	6.75										
16132017	ptxA	b4195	154	948715	2367359	0.612083	35	9.23	0.45	9.7	1				0.79			
16132018	sgaH	b4196	216	948714	1790640	0.609922	63	17.93									0.32	
16132019	sgaU	b4197	284	948712	1790641	0.510721	83	22.13							0.74	0.66	0.46	0.62031
16132020	sgaE	b4198	228	948711	1790642	0.480898	46	12.31										
16132021	yjfY	b4199	91	948713	1790643	0.345318	11	3.22										
16132022	rpsF	b4200	131	948723	1790644	0.74719	47	11.39	1	60.3	29	13860.74	43339.73	1.356	26.32	30.55	29.29	28.7208
16132023	priB	b4201	104	948722	1790645	0.302227	28	6.63							25.86	38.83	29.38	31.3538
16132024	rpsR	b4202	75	948721	1790646	0.731767	45	10.41	1	29.3	18	9413.13			23.26	21.51	17.73	20.8312
16132025	rpII	b4203	149	948720	1790647	0.77495	52	20.06	1	73.8	69	18725.37	37362.93	1.169	9.17	9.04	3.21	7.13813
16132026	yjfZ	b4204	264	948719	1790648	0.286281	61	16.48										
16132027	ytfA	b4205	108	948718	1790650	0.333199	22	5.58										
16132028	ytfB					0.378556										1.67	1.21	1.43923
16132029	fklB					0.507189									6.17	3.96	4.72	4.95075
16132030	cycA	b4208	470	948725	1790653	0.416772	76	15.54							2.67	2.89	2.54	2.7015
16132031	ytfE	b4209	220	948724	1790654	0.57173	65	21.52										
16132032	ytfF	b4210	324	948732	1790655	0.354435	42	7.8								0.77		
16132033	ytfG	b4211	286	948731	1790656	0.462186	63	20.27								0.71	0.34	0.52414
16132034	ytfH					0.333315												
16132035	cpdB	b4213	647	948729	1790658	0.448371	178	54.19					1022.77	0.032	0.79	0.43	0.65	0.62426
16132036	cysQ	b4214	246	948728	1790659	0.507322	55	14.26	0.45	8.5	1				1.25	1.13	0.58	0.986
16132037	ytfI					0.253635										0.19		
16132038	ytfJ	b4216	184	948737	1790662	0.416554	59	15.7					671.19	0.021		0.81	1.27	1.04087
16132039	ytfK					0.392169										0.56	0.79	0.67547
16132040	ytfL	b4218	447	948735	1790664	0.49515	101	25.01									0.50	
16132041	msrA	b4219	212	948734	1790665	0.434221	32	9.56					2524.95	0.079	2.38	0.79	1.80	1.65808
16132042	ytfM	b4220	577	948733	1790666	0.436431	192	61.77								0.68	0.44	0.55898
16132043	ytfN	b4221	1259	948742	1790667	0.433241	320	101.54	0.39	1.7	1					2.35	1.25	1.79819
16132044	ytfP	b4222	113	948741	1790668	0.316949	23	5.56								7.35	2.90	5.12218
16132045	yjfA	b4223	89	948740	1790669	0.340724	41	10.28										
16132046	chpS					0.367678									0.87	0.74	0.43	0.68213
16132047	chpB	b4225	116	948747	1790672	0.319611	22	5.32							1.78	1.29	0.68	1.24882
16132048	ppa	b4226	176	948748	1790673	0.72694	51	16.35	1	43.2	25	8324.05	2780.65	0.087	10.01	9.72	3.84	7.85546
16132049	ytfQ	b4227	318	948746	1790674	0.468064	107	24.28								0.74	1.13	0.93799
16132050	ytfR					0.370105											0.42	
16132051	ytfS					0.429735												
16132052	ytfT					0.342255										0.26		
16132053	yjfF					0.339088												
16132054	fbp	b4232	332	948753	1790679	0.558592	98	27.26	1	31.3	6	1198.22	894.92	0.028	8.13	3.73	3.25	5.03692
16132055	yjfG	b4233	457	948752	1790680	0.53773	98	24.99								2.26	1.13	1.69409
16132056	yjgA	b4234	183	948751	1790681	0.506456	87	22.06								1.88	1.89	1.88226
16132057	pmbA	b4235	450	948750	1790682	0.457823	118	36.32	0.97	17.6	2	290.78	1118.65	0.035	3.18	1.23	1.35	1.91924
16132058	cybC					0.508945									1.70		0.39	1.04593
16132059	nrdG	b4237	154	948757	1790685	0.486473	42	14.08							0.43	0.45		0.43577
16132060	nrdD	b4238	712	948755	1790686	0.588575	233	49.89							0.98		0.45	0.71474
16132061	treC	b4239	551	948762	1790687	0.428882	139	37.58									0.53	
16132062	treB	b4240	473	948761	2367362	0.443001	69	13.64									1.56	
16132063	treR	b4241	315	948760	1790689	0.408221	89	22.19										
16132064	mgtA	b4242	898	948778	2367363	0.423561	209	53.81							0.68	0.37	0.90	0.64856
16132065	yjgF					0.663926										12.58	14.71	13.6454
16132066	pyrI	b4244	153	948763	1790692	0.462485	48	14.74							29.37	29.35	45.69	34.8028
16132067	pyrB	b4245	311	948767	2367364	0.500546	85	30.65	1	13.5	3	532.85	4985.99	0.156	36.74	30.58	49.00	38.773
16132068	pyrL	b4246	44	948768	1790694	0.302214	15	4.35							5.87	6.06	1.17	4.36744
16132069	yjgG	b4247	110	948770	1790695	0.244966	29	6.83								0.22		
16132070	yjgH	b4248	131	948769	1790696	0.347611	23	7.88								0.34	0.78	0.55592
16132071	yjgI	b4249	237	948765	2367365	0.376353	65	22.42										
16132072	b4250	b4250	54	948764	1790699	0.192413	20	7.17									0.19	
16132073	yjgJ					0.304667												
16132074	yjgK					0.440894										0.89	0.50	0.69373
16132075	yjgL					0.257514												
16132076	argI	b4254	334	948774	1790703	0.459123	92	21.16	0.86	5.4	2	442.51			6.39	4.89	2.74	4.67249
16132077	yjgD	b4255	138	948773	1790704	0.58435	13	2.61								7.85	7.69	7.76978
16132078	b4256					0.341701									0.97	1.03	0.41	0.80042
16132079	yjgN					0.287125										0.15		
16132080	valS	b4258	951	948785	1790708	0.696304	295	82.68	1	22.9	17	1119.34			6.13	3.90	2.47	4.1647

16132081	holC	b4259	147	948787	1790709	0.438374	47	9.43							4.80	1.84	2.96	3.19807
16132082	pepA	b4260	503	948791	1790710	0.495865	135	30.91	0.37	7.4	2				5.97	2.42	3.08	3.82431
16132083	yjgP	b4261	366	948795	1790712	0.415722	85	17.56								0.93	0.78	0.85477
16132084	yjgQ					0.492282										0.60	0.33	0.46712
16132085	yjgR	b4263	500	948978	1790714	0.363916	146	44.79	0.38	4.4	2					0.60	0.86	0.72997
16132086	idnR	b4264	332	949058	1790715	0.34482	95	21.2							0.95	0.72	0.25	0.64244
16132087	idnT	b4265	439	948798	1790716	0.383509	38	7.43							2.23	1.15	0.48	1.28494
16132088	idnO	b4266	254	947109	1790717	0.460558	66	17.85										
16132089	idnD	b4267	343	944769	1790718	0.390925	80	17.4							0.52	0.38	0.30	0.40035
16132090	idnK	b4268	187	946066	1790719	0.300507	67	20.38							0.18	0.14		0.16004
16132091	yjgB					0.423161										0.65	0.44	0.54199
16132092	intB	b4271	396	948782	1790722	0.284031	159	41.94							0.59	0.34	0.28	0.40612
16132093	yi21_6	b4272	136	948781	1790723	0.252383	46	12.56								1.76		
16132094	yi22_6	b4273	301	948779	1790724	0.290326	121	31.49										
16132095	yjgW	b4274	111	948780	1790725	0.296805	48	8.58								0.85		
16132096	yjgX	b4275	148	949006	1790726	0.36939	34	9.58								0.40	0.33	0.36402
16132097	yjgY					0.29516											0.17	
16132098	yjgZ	b4277	109	948804	1790728	0.249548	39	12.01										
16132099	yi41	b4278	442	948805	1790729	0.33914	153	36.19								0.63	0.25	0.44021
16132100	yjhB					0.258864												
16132101	yjhC					0.30662										0.35		
16132102	yjhD					0.306609										0.41	0.18	0.29215
16132103	yjhE					0.33937										0.20	0.12	0.1582
16132104	yi91b					0.312042											0.25	
16132105	tra8_3	b4284	383	948815	1790736	0.233861	182	39.68							2.29	1.12		1.70141
16132106	b4285	b4285	198	948816	1790737	0.314884	70	17.64									0.16	
16132107	b4286	b4286	137	948818	1790738	0.361861	39	10.23										
16132108	fecE	b4287	255	948819	1790739	0.269479	60	17.8										
16132109	fecD	b4288	318	946816	1790740	0.360616	51	9.7							0.32			
16132110	fecC	b4289	332	948826	1790741	0.379459	34	5.23										
16132111	fecB					0.452738												
16132112	fecA	b4291	774	946427	1790743	0.513779	179	50.17										
16132113	fecR	b4292	317	949104	1790745	0.415527	92	26.24	0.23	7.6	1							
16132114	fecI	b4293	173	946839	1790746	0.375111	55	16.15							1.66		0.69	1.17734
16132115	insA_7	b4294	91	948830	1790747	0.394292	37	8.72								1.38		
16132116	yjhU					0.3184										1.06	0.60	0.83105
16132117	yjhF	b4296	449	949102	2367370	0.365829	60	13.5								0.27	0.16	0.21536
16132118	yjhG	b4297	655	946829	2367371	0.373065	155	35.65										
16132119	yjhH					0.443257											0.37	
16132120	yjhI	b4299	262	949100	1790752	0.283007	86	21.1										
16132121	sgcR	b4300	260	946830	1790753	0.363951	69	16.93										
16132122	sgcE	b4301	210	948829	1790754	0.364098	38	9.42							0.46	0.47	0.27	0.40111
16132123	sgcA	b4302	143	948831	1790755	0.356376	16	3.83							0.88		0.44	0.66019
16132124	sgcQ	b4303	268	948834	1790757	0.386406	65	14.64										
16132125	sgcC	b4304	437	946849	1790758	0.402996	74	13.17							0.72	0.66		0.68863
16132126	sgcX					0.347217												
16132127	yjhP	b4306	248	946851	1790760	0.396241	55	16.05								0.81		
16132128	yjhQ	b4307	181	949059	1790761	0.301538	45	11.75										
16132129	yjhR	b4308	338	944740	1790762	0.320064	113	33.2									0.11	
16132130	yjhS	b4309	326	948835	1790763	0.33362	63	13.39										
16132131	yjhT					0.336336										0.18	0.15	0.16721
16132132	yjhA					0.356586												
16132133	fimB	b4312	200	948832	1790767	0.268114	77	19.83							0.98	0.42	0.34	0.57935
16132134	fimE	b4313	198	948836	1790768	0.313476	94	20.48							0.38	0.59	0.32	0.42829
16132135	fimA	b4314	182	948838	1790769	0.481061	18	3.79							7.49	22.48	12.83	14.265
16132136	fimI					0.239517									1.53	1.76	1.31	1.53454
16132137	fimC					0.303262									0.85	1.06	0.74	0.88483
16132138	fimD	b4317	878	948844	1790772	0.317335	187	50.18										
16132139	fimF	b4318	176	948845	1790773	0.312484	16	2.84							0.40	0.50	0.26	0.38768
16132140	fimG	b4319	167	948846	1790774	0.307549	18	4.14							0.53	0.77	0.36	0.552
16132141	fimH	b4320	300	948847	1790775	0.340227	30	8.2							0.55	0.99	0.36	0.63633
16132142	gntP	b4321	447	948848	1790776	0.511309	44	10.45							0.44		0.22	0.32748
16132143	uxuA	b4322	394	947082	1790778	0.717378	115	34.4							0.95	0.83	0.70	0.82262
16132144	uxuB	b4323	486	946795	1790779	0.606367	111	29.87							0.91	0.97	0.54	0.80529
16132145	uxuR	b4324	257	948849	1790780	0.448989	75	20.31										
16132146	yjiC					0.283437												
16132147	yjiD					0.337128												
16132148	yjiE	b4327	303	948852	1790783	0.386522	84	22.59										
16132149	iadA	b4328	390	948853	1790784	0.4757	79	23.61					26432.12	0.827	0.79	0.58	0.28	0.54832
16132150	yjiG	b4329	153	948854	1790785	0.415513	13	3.47								0.60		
16132151	yjiH					0.373451											0.19	
16132152	yjiI					0.319929										0.71	0.32	0.51365
16132153	yjiJ	b4332	392	948859	1790788	0.318223	24	4.86										
16132154	yjiK					0.360137												
16132155	yjiL					0.361515												
16132156	yjiM					0.4736										0.63	0.32	0.47416
16132157	yjiN	b4336	426	948860	1790793	0.363535	151	44								0.71	0.45	0.57687
16132158	yjiO	b4337	410	948861	1790794	0.369969	74	14.05	0.51	5.9	1							
16132159	yjiP	b4338	103	948862	1790795	0.386221	34	15.51								0.85		
16132160	yjiQ	b4339	186	948866	1790796	0.265841	59	16.85								0.52	0.31	0.41241
16132161	yjiR	b4340	470	949089	1790797	0.397162	126	31.41										
16132162	yjiS	b4341	54	948903	1790798	0.247654	29	6.36										
16132163	yjiT					0.264047										0.58	0.69	0.63484
16132164	yjiU					0.336018										0.29	0.26	0.27496
16132165	mcrD					0.428663									0.21			
16132166	mcrC	b4345	348	948880	1790804	0.267235	119	31.18							0.19	0.21		0.19777
16132167	mcrB					0.336329									1.06	0.71	0.27	0.68343
16132168	yjiW					0.43238												
16132169	hsdS	b4348	464	948867	1790807	0.315535	168	52.86							0.97	0.66	0.33	0.65499
16132170	hsdM	b4349	529	948872	1790808	0.562799	151	45.69	1	9.5	5	595.75			3.45	1.81	1.54	2.26432
16132171	hsdR	b4350	1188	948878	1790809	0.47948	410	115.01	0.88	5.7	5	208.27			1.03		0.40	0.71635
16132172	mrr	b4351	304	948898	1790811	0.391904	96	32.64							1.84	1.14	1.03	1.3368
16132173	yjiA					0.529356										1.87	1.07	1.47101
16132174	yjiX	b4353	67	949090	1790813	0.539214	24	5.69								2.07	1.97	2.01846
16132175	yjiY					0.617885										0.61	0.15	0.38066
16132176	tsr	b4355	551	948884	2367378	0.451185	136	40.07							1.32	9.53		5.42762
16132177	yjiZ	b4356	453	948879	2367379	0.411862	83	18.68								0.49	0.17	0.33123
16132178	yjjM					0.36693												
16132179	yjjN					0.40454										0.65	0.22	0.43676
16132180	mdoB					0.47094									1.68	1.17	0.89	1.24739
16132181	yjjA					0.450769										2.07	0.87	1.47252
16132182	dnaC	b4361	245	948864	1790823	0.498568	86	18.11							1.62	0.82	0.55	0.99559
16132183	dnaT	b4362	179	948813	1790824	0.423041	40	15.44							1.73	1.37	0.77	1.29071
16132184	yjjB	b4363	108	948811	1790825	0.390541	15	2.12										
16132185	yjjP					0.331916											0.24	
16132186	yjjQ	b4365	241	948896	1790827	0.312669	73	18.39								0.17		
16132187	bglJ					0.274017									0.26			
16132188	fhuF	b4367	262	948891	1790829	0.386635	62	19.75							4.52	1.34	2.70	2.85391

16132189	yjjT	b4371	343	948892	1790830	0.44639	94	25.39								0.99	0.64	0.81446
16132190	holD	b4372	137	948890	1790831	0.351875	28	7.78							4.32		2.22	3.26836
16132191	rimI	b4373	148	948894	2367381	0.392351	34	13.39							4.79	1.90	3.06	3.25078
16132192	yjjG	b4374	225	948899	1790833	0.471229	41	9.64									0.34	
16132193	prfC	b4375	529	948897	1790835	0.61162	171	42.41					703.15	0.022	2.74	1.43	1.39	1.85451
16132194	osmY	b4376	201	948895	1790836	0.556704	71	20.56					4059.10	0.127	15.04	2.28	7.63	8.31308
16132195	yjjU	b4377	357	948906	1790837	0.351787	101	27.68								1.73	1.41	1.56523
16132196	yjjW	b4379	287	948905	1790839	0.397777	72	18.76										
16132197	yjjI	b4380	516	948904	1790840	0.452819	140	37.79										
16132198	deoC	b4381	259	948902	1790841	0.701334	88	24.93	0.49	4.6	3				2.34			
16132199	deoA	b4382	440	948901	1790842	0.569311	124	39.57							2.42	0.71	1.08	1.4013
16132200	deoB	b4383	407	948910	1790843	0.684794	99	30.8	0.3	6.6	3		10802.97	0.338	5.19	1.21	3.67	3.35556
16132201	deoD	b4384	239	945654	1790844	0.725391	70	20.51	0.42	19.7	1				6.71	2.57	4.51	4.59806
16132202	yjjJ	b4385	443	944883	1790845	0.360399	125	29.54										
16132203	lplA	b4386	338	944865	1790846	0.42298	100	23.85							1.04	0.57	0.42	0.6794
16132204	smp	b4387	214	946089	1790847	0.426511	69	20.36							2.44	1.16	1.10	1.56815
16132205	serB	b4388	322	948913	1790849	0.497179	85	24.67							3.61	1.65	1.28	2.18075
16132206	sms	b4389	460	948912	1790850	0.442075	127	35.93							3.20	1.78	1.16	2.04354
16132207	nadR					0.458902									3.34	1.40	1.14	1.95851
16132208	yjjK	b4391	555	948909	2367384	0.631879	194	55.26	1	22.7	22	2167.32				3.42	2.80	3.11114
16132209	slt					0.407885									1.87	0.62	0.93	1.1411
16132210	trpR	b4393	108	948917	1790854	0.368495	37	12.79							2.30	1.80	0.74	1.61279
16132211	yjjX					0.410352												
16132212	gpmB	b4395	215	948918	1790856	0.413418	59	18.61							1.38	0.72	0.71	0.93498
16132213	rob	b4396	289	948916	1790857	0.47629	72	18.48							3.55	1.50	1.37	2.13786
16132214	creA	b4397	157	948920	1790859	0.431074	54	16.48							2.46	1.38	1.40	1.74615
16132215	creB	b4398	229	948922	1790860	0.320017	75	19.11							0.91	0.52	0.54	0.65982
16132216	creC	b4399	474	948609	1790861	0.349941	134	42.24										
16132217	creD	b4400	450	948868	1790862	0.343794	87	24.61							0.26	0.35		0.30504
16132218	arcA	b4401	238	948874	1790863	0.587229	81	20.06	0.98	21.8	4	1063.82			2.48	4.51	2.65	3.21224
16132219	yjjY	b4402	46	948925	1790864	0.369677	8	1.15								0.50	0.21	0.35715
16132220	lasT	b4403	228	948924	1790865	0.316463	54	21.1							2.15	1.30	0.70	1.38578
16132221	araH					0.430994												
16132222	aroK					0.478619												
16132223	cutC					0.339015												
16132224	cysW					0.484936												
16132225	-					0.278885												
16132226	-					0.391246												
16132227	gapC					0.414068												
16132228	gatR					0.327408												
16132229	gntU					0.492435												
16132230	greB					0.490655												
16132231	ilvG					0.46398												
16132232	kdpF					0.352056												
16132233	nirC					0.504696												
16132234	proQ					0.483677												
16132235	smf					0.255302												
16132236	tatD					0.389421												
16132237	thiS					0.44421												
16132238	yaaV					0.315491												
16132239	ybdD					0.444251												
16132240	ybfK					0.249334												
16132241	yccB					0.338275												
16132242	ycdN					0.396735												
16132243	ydaE					0.463399												
16132244	ydaF					0.432159												
16132245	ydeG					0.192417												
16132246	yefJ					0.30471												
16132247	yehK					0.242973												
16132248	yfjD					0.426396												
16132249	ygeN					0.292901												
16132250	yghYX					0.357888												
16132251	ygiRQ					0.529942												
16132252	yhaNM					0.414972												
16132253	yhdL					0.237147												
16132254	yhdRP					0.422524												
16132255	yhgKJ					0.347178												
16132256	yiaZ					0.26259												
16132257	yidD					0.223759												
16132258	yifDA					0.311779												
16132259	yifL					0.479263												
16132260	yifM					0.367621									0.97	0.69	0.49	0.71533
16132261	yifN					0.225803												
16132262	yigE					0.362798												
16132263	yigL					0.45171												
16132264	yiiO					0.361714												
16132265	yjeG					0.356623												
16132266	yjjV					0.400907												
16132267	yohE					0.308775												
16132268	-					0.401675												
16132269	glvC					0.416753												
16132270	ybfI					0.327715												
16132271	yfaSR					0.394702												
16132272	yfcU					0.446244												
16132273	ilvI					0.386418												