

Loci	Name	length	WT			PBP2a			Ratio (WT/PBP2 a deplete)	Mann Pvalue	WT Unique Insertions	WT Unique Insertions/ Length	PBP2a deplete	
			Forwar d reads	WT reverse reads	WT Total reads	deplete Forward reads	deplete Reverse reads	deplete Total reads					Uniqu e Inserti ons	PBP2a deplete Unique Insertions/Len gth
BSU_00100	dacA	1331	3098	2769	5867	4	24	28	202.3448	1.00E-08	76	0.0571	7	0.005259204
BSU_00740	pabB	1412	5798	6232	12030	373	956	1329	9.0459	1.00E-08	88	0.062323	61	0.043201133
BSU_04580	cshA	1484	224	180	404	5288	4128	9416	0.043	1.00E-08	24	0.016173	64	0.043126685
BSU_05800	pbuE	1166	1486	810	2296	6	15	21	104.4091	1.00E-08	44	0.037736	5	0.004288165
BSU_07260	ltaSA	1919	3551	3526	7077	19789	20708	40497	0.1748	1.00E-08	102	0.053153	142	0.073996873
BSU_09420	lytE	1004	1740	1523	3263	14	11	25	125.5385	1.00E-08	45	0.044821	4	0.003984064
BSU_10050	ecsB	1226	1620	1451	3071	23	0	23	128	1.00E-08	43	0.035073	1	0.000815661
BSU_12290	ndh	1178	6	13	19	449	904	1353	0.0148	1.00E-08	2	0.001698	47	0.039898132
BSU_13450	sigI	755	1433	1443	2876	38	2	40	70.1707	1.00E-08	37	0.049007	4	0.005298013
BSU_13980	pbpH	2114	2887	3418	6305	4	2	6	900.8571	1.00E-08	107	0.050615	3	0.001419111
BSU_15520	pyrAB	3215	488	308	796	2040	1717	3757	0.2121	1.00E-08	40	0.012442	103	0.032037325
BSU_21920	ugtP	1148	1121	1143	2264	179	19	198	11.3819	1.00E-08	56	0.04878	19	0.016550523
BSU_23120	resD	722	23	77	100	2472	1389	3861	0.0262	1.00E-08	10	0.01385	38	0.052631579
BSU_24220	spo0A	803	40	39	79	10565	14000	24565	0.0033	1.00E-08	9	0.011208	52	0.064757161
BSU_25000	pbpA	2150	389	325	714	115	15	130	5.458	1.00E-08	43	0.02	5	0.002325581
BSU_29180	pyk	1757	214	299	513	3071	1461	4532	0.1134	1.00E-08	23	0.01309	67	0.038133182
BSU_33210	yvrG	1742	1823	2280	4103	286	162	448	9.1403	1.00E-08	86	0.049369	29	0.016647532
BSU_33780	sdpl	623	1257	1601	2858	7485	7953	15438	0.1852	1.00E-08	90	0.144462	137	0.219903692
BSU_35220	minJ	1193	2400	2271	4671	98	4	102	45.3592	1.00E-08	61	0.051132	4	0.003352892
BSU_35530	tagO	1076	2	25	27	73	346	419	0.0667	1.00E-08	2	0.001859	36	0.033457249
BSU_35660	mnaA	1142	16	63	79	426	514	940	0.085	1.00E-08	7	0.00613	45	0.039404553
BSU_35680	ggaB	2702	73676	77291	150967	173665	174795	348460	0.4332	1.00E-08	503	0.186158	513	0.189859363
BSU_35760	tagB	1145	400	290	690	976	568	1544	0.4472	1.00E-08	7	0.006114	104	0.090829694

BSU_38510	dltB	1187	2975	2230	5205	556	168	724	7.1807	1.00E-08	68	0.057287	25	0.0210615
BSU_40380	wall	842	2578	4656	7234	65179	23329	88508	0.0817	1.00E-08	76	0.090261	82	0.097387173
BSU_40390	walH	1367	262	204	466	10373	15108	25481	0.0183	1.00E-08	22	0.016094	85	0.062179956
BSU_41010	trmF	1886	1694	4890	6584	81	82	163	40.1524	1.00E-08	104	0.055143	13	0.006892895
BSU_41020	mnmE	1379	529	2195	2724	4	28	32	82.5758	1.00E-08	59	0.042785	6	0.004350979
BSU_14020	kre	464	1649	1769	3418	21	25	46	72.7447	1.00E-08	34	0.073276	8	0.017241379
BSU_35750	tagA	770	70	0	70	437	84	521	0.136	1.00E-08	2	0.002597	34	0.044155844
BSU_35720	tagF	2240	6	1174	1180	224	2173	2397	0.4925	4.00E-08	15	0.006696	59	0.026339286
BSU_00420	rsmA	878	2583	1577	4160	25752	19318	45070	0.0923	6.00E-08	43	0.048975	55	0.062642369
BSU_00880	disA	1082	4134	4996	9130	928	704	1632	5.5915	7.00E-08	79	0.073013	50	0.046210721
BSU_07710	ltaSB	1949	421	503	924	3806	1503	5309	0.1742	7.00E-08	47	0.024115	88	0.04515136
BSU_00860	clpC	2432	2489	1413	3902	8313	5479	13792	0.283	9.00E-08	89	0.036595	126	0.051809211
BSU_00320	ricT	827	1729	1745	3474	34849	42996	77845	0.0446	1.00E-07	42	0.050786	57	0.068923821
BSU_19370	odhA	2834	421	380	801	2148	1314	3462	0.2316	1.00E-07	49	0.01729	93	0.032815808
BSU_29250	nrnA	941	684	1179	1863	11615	13407	25022	0.0745	1.00E-07	28	0.029756	55	0.058448459
BSU_33950	cggR	1022	4	972	976	500	4805	5305	0.1841	1.30E-07	21	0.020548	57	0.055772994
BSU_32730	metQ	824	129	375	504	6707	6421	13128	0.0385	1.60E-07	22	0.026699	47	0.057038835
BSU_32740	metP	668	239	435	674	12577	9869	22446	0.0301	1.70E-07	31	0.046407	53	0.079341317
BSU_29600	braB	1337	327	323	650	5278	3402	8680	0.075	1.80E-07	37	0.027674	72	0.053851907
BSU_00110	pdxS	884	329	553	882	3224	3779	7003	0.1261	3.00E-07	30	0.033937	54	0.061085973
BSU_35840	tagT	968	1712	3282	4994	9003	9052	18055	0.2766	3.80E-07	62	0.06405	79	0.08161157
BSU_38530	dltD	1178	1628	1115	2743	42	102	144	18.9241	4.50E-07	45	0.0382	17	0.014431239
BSU_10220	gltT	1289	981	847	1828	56	30	86	21.023	6.30E-07	44	0.034135	14	0.010861133
BSU_12850	ykaA	617	85	407	492	3488	2345	5833	0.0845	1.06E-06	17	0.027553	38	0.061588331
BSU_29190	pfkA	959	57	14	71	549	60	609	0.118	1.53E-06	7	0.007299	34	0.035453597
BSU_27990	minD	806	935	555	1490	23	11	34	42.6	1.61E-06	27	0.033499	4	0.004962779
BSU_28000	minC	680	776	739	1515	6	6	12	116.6154	1.86E-06	24	0.035294	4	0.005882353
BSU_33040	fumC	1388	192	319	511	4485	4685	9170	0.0558	2.76E-06	23	0.016571	45	0.032420749
BSU_10040	ecsA	743	842	476	1318	6	0	6	188.4286	3.18E-06	22	0.02961	2	0.00269179
BSU_23580	ansA	989	1091	939	2030	37	210	247	8.1895	3.95E-06	49	0.049545	25	0.025278059
BSU_16970	pdeB	794	369	418	787	7076	8202	15278	0.0516	4.40E-06	31	0.039043	47	0.059193955

BSU_06720	dagK	911	0	0	0	92	61	153	0.0065	5.15E-06	0	0	17	0.018660812
BSU_28620	rnhC	941	409	733	1142	6	66	72	15.6575	7.36E-06	23	0.024442	3	0.003188098
BSU_06360	guaA	1541	62	71	133	248	318	566	0.2363	7.69E-06	11	0.007138	38	0.024659312
BSU_23140	resB	1628	233	871	1104	5318	818	6136	0.1801	8.22E-06	40	0.02457	71	0.043611794
BSU_35670	gtaB	878	7503	5439	12942	594	519	1113	11.6185	9.79E-06	56	0.063781	47	0.053530752
BSU_38499	ywzH	149	703	660	1363	32	32	64	20.9846	1.25E-05	18	0.120805	3	0.020134228
BSU_01010	nusG	533	252	459	711	3839	5981	9820	0.0725	1.33E-05	19	0.035647	35	0.065666041
BSU_13660	kinD	1520	2042	2429	4471	8920	7535	16455	0.2718	1.45E-05	68	0.044737	92	0.060526316
BSU_25330	pgpH	2135	988	2004	2992	5713	5175	10888	0.2749	1.56E-05	62	0.02904	98	0.045901639
BSU_00210	recR	596	1236	1029	2265	601	49	650	3.4808	1.81E-05	49	0.082215	26	0.043624161
BSU_15060	ylbM	1247	396	432	828	3152	1887	5039	0.1645	1.87E-05	37	0.029671	62	0.049719326
BSU_29780	ytxG	422	193	162	355	0	0	0	356	1.87E-05	14	0.033175	0	0
BSU_29870	ytzB	317	1165	540	1705	70	46	116	14.5812	2.03E-05	25	0.078864	11	0.034700315
BSU_23150	resA	539	104	483	587	2263	1160	3423	0.1717	2.31E-05	20	0.037106	39	0.072356215
BSU_15870	recG	2048	775	934	1709	77	98	175	9.7159	2.68E-05	46	0.022461	20	0.009765625
BSU_38500	dltA	1511	1830	1042	2872	87	151	238	12.0209	2.71E-05	39	0.025811	19	0.012574454
BSU_15260	ylxX	707	1003	273	1276	161	11	172	7.3815	2.87E-05	31	0.043847	10	0.014144272
BSU_33790	sdpR	272	213	1148	1361	1953	1761	3714	0.3666	3.03E-05	29	0.106618	46	0.169117647
BSU_23500	deoB	1184	1121	1293	2414	187	112	299	8.05	3.04E-05	50	0.04223	28	0.023648649
BSU_14610	pdhD	1412	8	2	10	59	66	125	0.0873	3.19E-05	2	0.001416	20	0.014164306
BSU_28440	sdhA	1760	508	576	1084	2778	3467	6245	0.1737	4.19E-05	40	0.022727	66	0.0375
BSU_23110	resE	1769	355	706	1061	2700	3302	6002	0.1769	4.31E-05	49	0.027699	73	0.041266252
BSU_01540	salA	1058	1066	1441	2507	4735	7558	12293	0.204	4.66E-05	52	0.049149	69	0.065217391
BSU_27650	secDF	2213	2288	3141	5429	260	241	501	10.8167	5.17E-05	76	0.034343	50	0.022593764
BSU_13670	mhqR	437	1172	1023	2195	7403	5724	13127	0.1673	5.37E-05	25	0.057208	41	0.09382151
BSU_01845	ybcC	2615	126	7283	7409	1687	6455	8142	0.91	5.69E-05	105	0.040153	168	0.064244742
BSU_12280	yjIC	422	15	0	15	211	199	410	0.0389	5.91E-05	1	0.00237	14	0.033175355
BSU_00370	abrB	290	702	548	1250	95	25	120	10.3388	6.13E-05	28	0.096552	14	0.048275862
BSU_32750	metN	1025	241	287	528	5986	7585	13571	0.039	6.38E-05	23	0.022439	34	0.033170732
BSU_37670	hemQ	764	1101	684	1785	1933	1580	3513	0.5083	6.60E-05	12	0.015707	36	0.047120419
BSU_22310	recU	620	313	197	510	4	10	14	34.0667	6.67E-05	19	0.030645	3	0.00483871

BSU_30830	menF	1415	113	214	327	208	4041	4249	0.0772	7.13E-05	18	0.012721	41	0.028975265
BSU_33930	pgk	1184	0	99	99	4	707	711	0.1404	8.15E-05	3	0.002534	20	0.016891892
BSU_36830	atpA	1508	25	245	270	6	10	16	15.9412	8.42E-05	20	0.013263	3	0.00198939
BSU_30760	mntB	752	147	172	319	1417	746	2163	0.1479	0.000101	8	0.010638	26	0.034574468
BSU_15540	pyrD	935	27	25	52	347	290	637	0.0831	0.000126	6	0.006417	22	0.023529412
BSU_18970	yobl	3605	117893	144939	262832	100032	95480	195512	1.3443	0.000132	697	0.193343	712	0.197503467
BSU_06630	yerH	1190	2472	2301	4773	392	853	1245	3.8315	0.00017	64	0.053782	49	0.041176471
BSU_23130	resC	1175	263	902	1165	3620	925	4545	0.2565	0.000199	31	0.026383	55	0.046808511
BSU_40300	rapG	1097	11333	10458	21791	5244	3871	9115	2.3905	0.000214	105	0.095716	105	0.095715588
BSU_14990	ricF	449	273	71	344	2413	3665	6078	0.0568	0.000217	9	0.020045	20	0.04454343
BSU_28130	hemB	974	0	8	8	29	66	95	0.0938	0.00023	1	0.001027	14	0.014373717
BSU_33221	yrhH	713	793	635	1428	19	24	43	32.4773	0.000237	23	0.032258	8	0.011220196
BSU_11720	fabI	776	169	77	246	868	490	1358	0.1818	0.000267	11	0.014175	28	0.036082474
BSU_33900	eno	1292	0	27	27	222	185	407	0.0686	0.000284	1	0.000774	14	0.010835913
BSU_15510	pyrAA	1094	320	27	347	646	369	1015	0.3425	0.000293	12	0.010969	32	0.029250457
BSU_15460	rluD	911	373	319	692	6	6	12	53.3077	0.000312	18	0.019759	4	0.004390779
BSU_30050	murJ	1634	1903	1829	3732	4673	3981	8654	0.4313	0.00032	68	0.041616	95	0.058139535
BSU_36690	rapB	1133	3284	3079	6363	1442	741	2183	2.9139	0.000346	79	0.069726	65	0.057369815
BSU_00570	yabM	1598	2847	3231	6078	8747	12685	21432	0.2836	0.00035	78	0.048811	96	0.060075094
BSU_00180	tadA	485	126	115	241	2307	2452	4759	0.0508	0.000373	11	0.02268	21	0.043298969
BSU_31760	pncA	551	267	1238	1505	2259	1460	3719	0.4048	0.000454	27	0.049002	42	0.076225045
BSU_16560	rasP	1268	253	6	259	0	2	2	86.6667	0.000465	13	0.010252	1	0.000788644
BSU_10000	yhaH	356	263	139	402	0	4	4	80.6	0.000465	11	0.030899	1	0.002808989
BSU_00410	rnmV	560	621	422	1043	6073	9252	15325	0.0681	0.000496	11	0.019643	22	0.039285714
BSU_15270	sbp	365	652	401	1053	85	6	91	11.4565	0.000498	24	0.065753	10	0.02739726
BSU_13970	ykwD	773	259	480	739	989	759	1748	0.4231	0.000501	22	0.028461	38	0.04915912
BSU_15490	pyrB	914	88	34	122	260	305	565	0.2173	0.000501	7	0.007659	23	0.025164114
BSU_18000	citB	2729	864	1194	2058	1943	2348	4291	0.4797	0.000531	90	0.032979	121	0.044338586
BSU_36810	atpD	1421	19	86	105	0	8	8	11.7778	0.000533	13	0.009148	1	0.00070373
BSU_00440	veg	260	956	987	1943	77	220	297	6.5235	0.000548	20	0.076923	10	0.038461538
BSU_31350	pgi	1352	695	533	1228	1748	1242	2990	0.4109	0.00055	44	0.032544	66	0.048816568

BSU_40970	parA	761	11170	10004	21174	5372	4631	10003	2.1167	0.000554	91	0.11958	87	0.114323259
BSU_27270	mtnN	695	8	34	42	143	630	773	0.0556	0.000557	4	0.005755	17	0.024460432
BSU_27730	ruvB	1004	410	322	732	32	33	65	11.1061	0.000603	27	0.026892	12	0.011952191
BSU_06440	purB	1295	868	1041	1909	5988	5752	11740	0.1627	0.000619	45	0.034749	51	0.039382239
BSU_15770	prkC	1946	1671	240	1911	1146	2007	3153	0.6062	0.000628	37	0.019013	66	0.033915725
BSU_30740	mntD	887	388	430	818	1843	1213	3056	0.2679	0.000634	26	0.029312	42	0.04735062
BSU_10160	yhgE	2327	1859	1670	3529	5301	15001	20302	0.1739	0.00064	74	0.031801	91	0.039106145
BSU_29270	ytol	1319	1076	939	2015	7764	4514	12278	0.1642	0.000717	35	0.026535	49	0.037149356
BSU_25470	dnaK	1835	756	1344	2100	2194	3015	5209	0.4033	0.00074	46	0.025068	69	0.03760218
BSU_25400	yqeY	446	82	323	405	2	15	17	22.5556	0.000747	15	0.033632	3	0.006726457
BSU_14370	skiZ	1193	822	325	1147	1254	1536	2790	0.4113	0.000752	27	0.022632	48	0.040234702
BSU_02850	znuA	959	1439	547	1986	1751	1977	3728	0.5329	0.000776	39	0.040667	64	0.066736184
BSU_11540	pepF	2012	3743	2540	6283	3732	6407	10139	0.6197	0.000864	92	0.045726	126	0.062624254
BSU_22380	tseB	485	428	503	931	21	85	106	8.7103	0.000875	22	0.045361	10	0.020618557
BSU_33660	rghRA	407	296	251	547	1325	2795	4120	0.133	0.000876	10	0.02457	20	0.049140049
BSU_13500	ktrD	1349	619	752	1371	1620	2936	4556	0.3011	0.000877	32	0.023721	52	0.038547072
BSU_00120	pdxT	590	940	1416	2356	3613	4255	7868	0.2995	0.000935	39	0.066102	45	0.076271186
BSU_27930	spo0B	578	0	8	8	8	1580	1588	0.0057	0.000939	1	0.00173	11	0.019031142
BSU_14530	rnjA	1667	2	2	4	250	98	348	0.0143	0.000977	2	0.0012	14	0.00839832
BSU_34810	yvcD	1454	1801	1607	3408	6874	5117	11991	0.2843	0.001013	49	0.0337	68	0.046767538
BSU_27610	apt	512	348	617	965	39	65	104	9.2	0.001166	22	0.042969	9	0.017578125
BSU_40370	waU	794	2901	2931	5832	27943	3631	31574	0.1847	0.001223	46	0.057935	52	0.065491184
BSU_23800	proI	836	1494	1064	2558	132	23	155	16.4038	0.00123	27	0.032297	15	0.017942584
BSU_01830	ndhF	1517	571	5519	6090	1073	4959	6032	1.0096	0.00124	75	0.04944	124	0.081740277
BSU_14490	kinC	1286	2079	1580	3659	4020	4568	8588	0.4261	0.001268	47	0.036547	69	0.053654743
BSU_40080	gntZ	1406	4853	6955	11808	11104	19431	30535	0.3867	0.001302	92	0.065434	98	0.06970128
BSU_26560	yrcC	560	1978	1286	3264	2004	2077	4081	0.7999	0.001331	38	0.067857	60	0.107142857
BSU_29470	ackA	1187	60	44	104	157	129	286	0.3659	0.001378	10	0.008425	26	0.02190396
BSU_40960	parB	848	5732	4540	10272	2131	1341	3472	2.958	0.001445	57	0.067217	53	0.0625
BSU_16780	rnjB	1667	1006	885	1891	2140	2667	4807	0.3935	0.001465	54	0.032394	80	0.047990402
BSU_25250	ccpN	638	723	634	1357	3019	1674	4693	0.2893	0.001516	21	0.032915	35	0.054858934

BSU_08180	malA	1349	727	1107	1834	1337	1203	2540	0.7222	0.001533	31	0.02298	55	0.040770941
BSU_15480	pyrP	1307	372	2	374	246	141	387	0.9665	0.001562	9	0.006886	26	0.019892884
BSU_30540	asnB	1898	44	98	142	0	2	2	47.6667	0.001628	11	0.005796	1	0.00052687
BSU_27390	rimF	416	212	297	509	3959	6407	10366	0.0492	0.001664	16	0.038462	25	0.060096154
BSU_24260	yqx_C	845	157	451	608	2171	2784	4955	0.1229	0.001705	26	0.030769	36	0.04260355
BSU_35260	ftsE	686	1119	1735	2854	454	275	729	3.911	0.001726	34	0.049563	23	0.033527697
BSU_00870	radA	1376	3425	2189	5614	1125	396	1521	3.6892	0.001804	61	0.044331	49	0.035610465
BSU_28120	hemL	1292	380	351	731	1655	717	2372	0.3085	0.001909	30	0.02322	47	0.036377709
BSU_15370	ylmD	836	771	1199	1970	127	110	237	8.2815	0.002107	32	0.038278	21	0.025119617
BSU_16650	rbfA	353	6	0	6	916	1092	2008	0.0035	0.002113	2	0.005666	10	0.028328612
BSU_30750	mntC	1307	316	665	981	2358	1625	3983	0.2465	0.00215	32	0.024484	47	0.035960214
BSU_23390	spoVAF	1481	1142	1234	2376	2121	1991	4112	0.5779	0.002161	52	0.035111	74	0.049966239
BSU_00360	rsml	878	3652	3232	6884	991	1140	2131	3.2294	0.002166	58	0.066059	53	0.060364465
BSU_20980	yonV	1232	8	8	16	0	0	0	17	0.002197	8	0.006494	0	0
BSU_misc_R	pswB	210	10	0	10	257	136	393	0.0279	0.002203	2	0.009524	9	0.042857143
BSU_30770	mntA	920	210	206	416	1689	629	2318	0.1798	0.002484	18	0.019565	32	0.034782609
BSU_25690	sda	158	0	56	56	226	315	541	0.1052	0.002498	5	0.031646	14	0.088607595
BSU_22410	panD	383	10	69	79	84	168	252	0.3162	0.002574	8	0.020888	20	0.052219321
BSU_13570	mtnU	779	546	215	761	858	1187	2045	0.3724	0.002595	18	0.023107	33	0.042362003
BSU_35730	tagE	2021	73	28870	28943	333	53385	53718	0.5388	0.002671	144	0.071252	183	0.090549233
BSU_04480	ydbI	1052	3158	1948	5106	612	396	1008	5.0614	0.002717	55	0.052281	47	0.044676806
BSU_00220	yaaL	224	733	756	1489	162	70	232	6.3948	0.002801	15	0.066964	8	0.035714286
BSU_40090	ahpC	563	3555	3085	6640	5990	6670	12660	0.5245	0.003087	49	0.087034	48	0.085257549
BSU_34760	mgfK	953	73	168	241	20	1722	1742	0.1388	0.003141	12	0.012592	25	0.026232949
BSU_14300	moaE	473	462	264	726	778	1339	2117	0.3432	0.003162	17	0.035941	27	0.057082452
BSU_29760	brxJ	326	263	126	389	0	19	19	19.5	0.00321	10	0.030675	2	0.006134969
BSU_18980	yobJ	842	24106	23289	47395	18918	14802	33720	1.4055	0.003261	163	0.193587	160	0.190023753
BSU_18109	ynfCc	176	112	291	403	15	53	68	5.8551	0.003271	12	0.068182	4	0.022727273
BSU_27740	ruvA	605	394	552	946	62	46	108	8.6881	0.003292	22	0.036364	10	0.016528926
BSU_17080	pksA	617	638	387	1025	76	141	217	4.7064	0.003335	22	0.035656	11	0.017828201
BSU_19620	ldcB	821	699	1113	1812	149	74	223	8.0938	0.003392	34	0.041413	23	0.028014616

BSU_27400	yrzL	266	46	214	260	1652	1054	2706	0.0964	0.003418	11	0.041353	19	0.071428571
BSU_00690	ftsH	1913	498	31	529	27	32	59	8.8333	0.003449	25	0.013068	11	0.005750131
BSU_15500	pyrC	1286	244	150	394	473	706	1179	0.3347	0.003453	18	0.013997	34	0.026438569
BSU_13110	purU	902	447	358	805	904	516	1420	0.5672	0.003531	18	0.019956	34	0.037694013
BSU_25630	yqeK	560	363	519	882	2399	2235	4634	0.1905	0.003546	21	0.0375	30	0.053571429
BSU_14350	skiX	1133	742	644	1386	698	1704	2402	0.5772	0.003671	31	0.027361	50	0.044130627
BSU_27860	nadC	869	696	355	1051	462	814	1276	0.8238	0.003696	18	0.020713	38	0.043728423
BSU_14560	defB	554	377	636	1013	3635	3214	6849	0.148	0.003698	24	0.043321	31	0.055956679
BSU_02190	ybfF	911	13483	13525	27008	8677	8078	16755	1.6119	0.003752	140	0.153677	128	0.14050494
BSU_00350	yazA	299	2349	3205	5554	1113	910	2023	2.7446	0.003812	33	0.110368	27	0.090301003
BSU_13890	ptsG	2099	2079	964	3043	2272	3824	6096	0.4993	0.004062	58	0.027632	78	0.037160553
BSU_38520	dltC	236	519	228	747	13	30	43	17	0.004086	12	0.050847	5	0.021186441
BSU_15530	pyrK	770	115	92	207	761	625	1386	0.15	0.004202	15	0.019481	26	0.033766234
BSU_29550	yticJ	1589	1082	1310	2392	1765	1282	3047	0.7851	0.00423	37	0.023285	62	0.03901825
BSU_00550	mfd	3533	8307	9654	17961	4394	5351	9745	1.843	0.004345	188	0.053213	183	0.051797339
BSU_13010	pgl	1049	492	628	1120	967	654	1621	0.6911	0.004365	32	0.030505	49	0.046711153
BSU_38360	rlmI	1190	881	474	1355	937	968	1905	0.7114	0.004471	24	0.020168	45	0.037815126
BSU_16590	rimP	470	12	0	12	3028	9	3037	0.0043	0.004534	2	0.004255	10	0.021276596
BSU_32300	yutE	434	342	493	835	1930	592	2522	0.3314	0.004542	18	0.041475	27	0.062211982
BSU_16690	pnpA	2117	311	325	636	670	850	1520	0.4188	0.004553	27	0.012754	45	0.021256495
BSU_21980	queP	689	370	551	921	819	914	1733	0.5317	0.00489	21	0.030479	36	0.052249637
BSU_16610	ruIR	275	0	0	0	615	0	615	0.0016	0.004984	0	0	6	0.021818182
BSU_11670	thiO	1109	680	197	877	878	465	1343	0.6533	0.005197	20	0.018034	37	0.03336339
BSU_15160	pbpB	2150	0	2	2	46	4	50	0.0588	0.005254	1	0.000465	9	0.004186047
BSU_34800	cwLO	1421	992	1504	2496	585	349	934	2.6706	0.00528	49	0.034483	34	0.023926812
BSU_33880	yvbJ	1817	5291	4837	10128	6974	6303	13277	0.7628	0.005332	108	0.059439	140	0.077050083
BSU_16990	tdh	1043	821	1232	2053	927	1159	2086	0.9842	0.005515	17	0.016299	35	0.033557047
BSU_16620	ruIQ	302	0	0	0	1947	0	1947	5.00E-04	0.005518	0	0	6	0.01986755
BSU_24060	lpdV	1424	660	444	1104	1489	1083	2572	0.4295	0.005656	21	0.014747	37	0.025983146
BSU_23610	nudF	557	527	438	965	1738	1319	3057	0.3159	0.00567	19	0.034111	29	0.052064632
BSU_30900	cotS	1055	1198	592	1790	1171	1390	2561	0.6991	0.005677	27	0.025592	45	0.042654028

BSU_24590	yqhG	794	919	619	1538	1237	1697	2934	0.5244	0.005938	44	0.055416	59	0.074307305
BSU_01620	feuB	1004	863	875	1738	1262	1765	3027	0.5743	0.006001	38	0.037849	54	0.053784861
BSU_16799	tepJ	212	36	101	137	194	154	348	0.3954	0.006078	2	0.009434	10	0.047169811
BSU_18690	yoaP	755	5830	4605	10435	3936	3492	7428	1.4048	0.006309	84	0.111258	79	0.104635762
BSU_13130	proA	1247	134	182	316	858	882	1740	0.1821	0.006491	17	0.013633	28	0.022453889
BSU_09950	prsA	878	50	168	218	0	0	0	219	0.006526	6	0.006834	0	0
BSU_13460	rsgJ	1145	1439	1206	2645	11052	4859	15911	0.1663	0.006727	47	0.041048	60	0.052401747
BSU_25550	rpsT	266	189	44	233	693	1664	2357	0.0992	0.006767	11	0.041353	16	0.060150376
BSU_14480	abhA	278	101	32	133	423	745	1168	0.1146	0.006801	6	0.021583	14	0.050359712
BSU_33630	secG	230	398	947	1345	34	70	104	12.819	0.006852	14	0.06087	7	0.030434783
BSU_23510	ripX	890	211	334	545	52	10	62	8.6667	0.006952	22	0.024719	11	0.012359551
BSU_34150	ganP	1256	1237	1204	2441	2663	1799	4462	0.5472	0.007006	55	0.04379	72	0.057324841
BSU_30620	ytID	812	226	306	532	475	369	844	0.6308	0.007057	14	0.017241	28	0.034482759
BSU_37240	clsC	1502	3030	2301	5331	3771	3628	7399	0.7205	0.007126	74	0.049268	97	0.064580559
BSU_12470	yjqA	377	336	629	965	607	553	1160	0.832	0.007269	8	0.02122	20	0.053050398
BSU_16170	codY	779	204	57	261	309	226	535	0.4888	0.007301	13	0.016688	27	0.03465982
BSU_41000	rsmG	719	2789	3190	5979	1977	1007	2984	2.0034	0.007463	55	0.076495	52	0.07232267
BSU_13190	ispA	959	355	319	674	1118	301	1419	0.4754	0.007622	18	0.01877	32	0.033368092
BSU_00730	cysK	926	1579	776	2355	1701	2494	4195	0.5615	0.007724	46	0.049676	58	0.062634989
BSU_25240	ppsR	812	1253	827	2080	3205	1461	4666	0.4459	0.007765	31	0.038177	46	0.056650246
BSU_36870	atpB	734	0	172	172	0	2	2	57.6667	0.007915	8	0.010899	1	0.001362398
BSU_08510	yfhF	911	351	176	527	933	382	1315	0.4012	0.007966	10	0.010977	22	0.024149286
BSU_33970	araR	1088	1440	1681	3121	3099	4074	7173	0.4352	0.00798	51	0.046875	60	0.055147059
BSU_03420	nin	398	908	1071	1979	677	480	1157	1.7098	0.008258	26	0.065327	18	0.045226131
BSU_12840	pitB	1001	820	1149	1969	3395	1223	4618	0.4265	0.008345	44	0.043956	60	0.05994006
BSU_29300	ribR	692	865	1179	2044	1344	2343	3687	0.5545	0.008348	28	0.040462	45	0.065028902
BSU_12310	exuM	1379	2304	776	3080	1939	2641	4580	0.6726	0.008408	41	0.029732	62	0.044960116
BSU_17420	spoVK	968	472	420	892	1071	838	1909	0.4675	0.008456	28	0.028926	44	0.045454545
BSU_40420	purA	1292	4255	4730	8985	8798	6980	15778	0.5695	0.008628	94	0.072755	102	0.078947368
BSU_18060	yneR	287	341	429	770	106	186	292	2.6314	0.008637	18	0.062718	11	0.038327526
BSU_01740	rsiW	626	93	226	319	21	15	36	8.6486	0.008723	15	0.023962	6	0.009584665

BSU_25180	trmK	650	60	90	150	2582	436	3018	0.05	0.008811	9	0.013846	18	0.027692308
BSU_11550	spxH	899	441	450	891	97	74	171	5.186	0.00883	26	0.028921	15	0.016685206
BSU_24450	efp	557	252	383	635	1063	1054	2117	0.3003	0.008858	18	0.032316	29	0.052064632
BSU_27130	rsiV	857	553	729	1282	615	33	648	1.9769	0.00889	42	0.049008	28	0.032672112
BSU_08240	catE	857	795	626	1421	1166	1142	2308	0.6159	0.008948	23	0.026838	37	0.043173862
BSU_13880	glcT	866	611	620	1231	1575	1930	3505	0.3514	0.009007	31	0.035797	43	0.04965358
BSU_28170	hemA	1367	31	178	209	33	58	91	2.2826	0.009139	4	0.002926	14	0.010241405
BSU_12400	yjnA	764	709	655	1364	1062	744	1806	0.7554	0.009152	16	0.020942	32	0.041884817
BSU_19400	sodC	590	344	437	781	843	715	1558	0.5016	0.00918	16	0.027119	27	0.045762712
BSU_28150	hemC	944	0	19	19	46	12	58	0.339	0.009194	1	0.001059	8	0.008474576
BSU_06560	yerA	1742	3098	3348	6446	5605	5847	11452	0.5629	0.009303	80	0.045924	99	0.056831228
BSU_14240	rok	575	81	69	150	89	217	306	0.4919	0.009447	10	0.017391	21	0.036521739
BSU_05930	rimI	455	1220	2	1222	1987	35	2022	0.6045	0.009528	13	0.028571	27	0.059340659
BSU_09310	pgcA	1745	703	1582	2285	237	141	378	6.0317	0.009546	44	0.025215	33	0.018911175
BSU_26880	prpF	1103	2650	1951	4601	2616	3720	6336	0.7262	0.00975	68	0.06165	94	0.085222121
BSU_12750	xkdV	2063	4434	4427	8861	5361	4585	9946	0.8909	0.009897	143	0.069317	182	0.088221037
BSU_29020	gapB	1022	477	419	896	851	391	1242	0.7216	0.009903	24	0.023483	40	0.039138943
BSU_15830	yloU	362	1071	1078	2149	392	474	866	2.4798	0.009987	25	0.069061	18	0.049723757
BSU_29130	icd	1271	450	194	644	796	566	1362	0.4732	0.010509	28	0.02203	43	0.033831629
BSU_01920	skfB	1232	7987	7676	15663	5709	5604	11313	1.3845	0.010536	113	0.091721	103	0.083603896
BSU_25920	yqxG	893	1445	2061	3506	1182	867	2049	1.7107	0.010557	64	0.071669	48	0.0537514
BSU_22700	aroB	1088	330	493	823	2396	1011	3407	0.2418	0.010621	20	0.018382	32	0.029411765
BSU_02181	ybfEn	122	2434	3267	5701	2000	1736	3736	1.5258	0.010711	22	0.180328	21	0.172131148
BSU_35250	ftsX	890	1469	985	2454	379	201	580	4.2255	0.010724	39	0.04382	31	0.034831461
BSU_22830	gpsA	1037	65	60	125	25	155	180	0.6961	0.010767	5	0.004822	15	0.014464802
BSU_40100	ahpF	1529	5510	5911	11421	6128	8525	14653	0.7794	0.010805	79	0.051668	90	0.058862001
BSU_12890	ykcC	971	1716	850	2566	2443	1384	3827	0.6706	0.011081	31	0.031926	49	0.05046344
BSU_08600	csbB	989	1091	1267	2358	2700	3438	6138	0.3843	0.011139	42	0.042467	57	0.057633974
BSU_32310	yutD	275	283	380	663	1250	508	1758	0.3775	0.011231	15	0.054545	23	0.083636364
BSU_24530	lipM	836	745	382	1127	922	872	1794	0.6284	0.011233	30	0.035885	46	0.055023923
BSU_36880	atpI	383	2	711	713	0	10	10	64.9091	0.011267	9	0.023499	2	0.005221932

BSU_27620	recJ	2360	2002	2738	4740	805	746	1551	3.0548	0.011362	65	0.027542	52	0.022033898
BSU_36850	atpF	512	0	52	52	0	0	0	53	0.011425	5	0.009766	0	0
BSU_33920	tpiA	761	0	2	2	0	552	552	0.0054	0.011832	1	0.001314	7	0.009198423
BSU_16130	trmFO	1307	1280	1172	2452	1192	1405	2597	0.9442	0.011871	43	0.0329	64	0.0489671
BSU_05970	rex	647	311	357	668	501	891	1392	0.4803	0.011976	22	0.034003	35	0.054095827
BSU_17510	ynaC	791	5515	3403	8918	3219	3115	6334	1.4079	0.012013	108	0.136536	107	0.135271808
BSU_03200	putB	911	885	694	1579	1974	1670	3644	0.4335	0.012049	28	0.030735	40	0.043907794
BSU_25020	sodA	608	1090	755	1845	2538	2285	4823	0.3827	0.012154	27	0.044408	32	0.052631579
BSU_20500	yoqV	812	0	0	0	8	6	14	0.0667	0.01221	0	0	5	0.006157635
BSU_34330	epsE	836	931	2044	2975	2274	2756	5030	0.5915	0.012218	33	0.039474	48	0.057416268
BSU_32570	frlD	854	1385	676	2061	1874	1080	2954	0.6978	0.012379	32	0.037471	47	0.055035129
BSU_16250	fliJ	443	601	722	1323	106	184	290	4.5498	0.012381	19	0.042889	11	0.0248307
BSU_21370	yomG	2627	0	0	0	10	0	10	0.0909	0.012529	0	0	5	0.001903312
BSU_09380	nsrR	440	121	613	734	543	246	789	0.9304	0.012576	12	0.027273	26	0.059090909
BSU_28430	sdhB	761	92	232	324	667	827	1494	0.2174	0.012658	15	0.019711	25	0.032851511
BSU_19340	yocR	1337	1942	1563	3505	2257	2102	4359	0.8041	0.012824	82	0.061331	109	0.081525804
BSU_35120	yvIB	1097	1635	1582	3217	2195	1701	3896	0.8258	0.013095	40	0.036463	59	0.053783045
BSU_38410	sacX	1379	1877	2903	4780	2543	3696	6239	0.7662	0.013124	47	0.034083	65	0.047135606
BSU_23100	sigX	584	985	725	1710	119	459	578	2.9551	0.013264	29	0.049658	19	0.032534247
BSU_18110	ynfCn	410	119	229	348	633	277	910	0.3831	0.013609	10	0.02439	21	0.051219512
BSU_24030	bkdB	1274	272	536	808	505	772	1277	0.633	0.01364	21	0.016484	35	0.027472527
BSU_24320	nusB	395	34	208	242	371	202	573	0.4233	0.013661	5	0.012658	14	0.035443038
BSU_32980	yusZ	842	957	625	1582	1291	1363	2654	0.5962	0.013706	26	0.030879	41	0.048693587
BSU_31279	yuzH	254	80	82	162	186	279	465	0.3498	0.013722	4	0.015748	12	0.047244094
BSU_00520	ctc	614	1760	754	2514	667	10	677	3.7094	0.013815	26	0.042345	18	0.029315961
BSU_39020	nupG	1193	2685	3059	5744	8145	10334	18479	0.3109	0.014183	57	0.047779	62	0.051969824
BSU_17020	ricA	431	68	158	226	672	1685	2357	0.0963	0.014183	6	0.013921	12	0.027842227
BSU_17590	xyIR	1154	6895	7236	14131	5759	5520	11279	1.2528	0.01426	135	0.116984	127	0.110051993
BSU_24710	comGC	296	48	182	230	145	421	566	0.4074	0.014304	5	0.016892	13	0.043918919
BSU_25310	unpK	371	295	298	593	896	967	1863	0.3187	0.014484	15	0.040431	22	0.059299191
BSU_39230	wapA	7004	35307	48481	83788	29059	37875	66934	1.2518	0.0145	563	0.080383	543	0.077527127

BSU_17640	alrB	1184	6852	8583	15435	5977	5125	11102	1.3903	0.014632	123	0.103885	117	0.098817568
BSU_12790	xhIA	269	92	59	151	349	242	591	0.2568	0.01468	4	0.01487	10	0.037174721
BSU_17210	pksN	16466	19500	19435	38935	17214	23371	40585	0.9593	0.014743	606	0.036803	689	0.041843799
BSU_14260	mobA	599	1627	578	2205	1488	1507	2995	0.7363	0.01475	23	0.038397	38	0.063439065
BSU_13950	mcpC	1967	1829	2186	4015	2562	3132	5694	0.7052	0.014837	71	0.036096	95	0.048296899
BSU_35520	tagV	1175	2931	3830	6761	3552	5900	9452	0.7153	0.015331	77	0.065532	91	0.077446809
BSU_17010	miaB	1529	1452	1124	2576	1295	12481	13776	0.1871	0.015817	53	0.034663	66	0.043165468
BSU_02720	yccF	1076	989	1081	2070	79	374	453	4.5617	0.01584	31	0.02881	25	0.023234201
BSU_07900	rbn	827	724	259	983	689	699	1388	0.7084	0.01586	19	0.022975	31	0.037484885
BSU_18860	yozH	356	7191	6625	13816	4954	3912	8866	1.5582	0.01588	55	0.154494	55	0.154494382
BSU_02200	ybfG	2198	18001	15913	33914	13064	9895	22959	1.4771	0.015894	225	0.102366	219	0.099636033
BSU_24750	yqhB	1328	1151	1051	2202	883	1419	2302	0.9566	0.015902	47	0.035392	70	0.052710843
BSU_12680	xkdO	3998	4921	4974	9895	5054	5219	10273	0.9632	0.015988	154	0.038519	193	0.048274137
BSU_12940	dppC	962	388	541	929	971	757	1728	0.5379	0.016255	20	0.02079	33	0.034303534
BSU_37000	prmC	866	410	583	993	2487	3274	5761	0.1725	0.016341	22	0.025404	32	0.036951501
BSU_11300	med	953	1160	1534	2694	296	447	743	3.6223	0.016364	41	0.043022	32	0.033578174
BSU_01080	rpoC	3599	156	0	156	2	0	2	52.3333	0.016364	7	0.001945	1	0.000277855
BSU_15350	thiQ	1280	677	971	1648	1482	1140	2622	0.6287	0.016429	41	0.032031	57	0.04453125
BSU_09150	yhcN	569	884	459	1343	608	858	1466	0.9162	0.0165	22	0.038664	37	0.065026362
BSU_13990	kinA	1820	2992	2861	5853	3709	3957	7666	0.7635	0.016525	72	0.03956	95	0.052197802
BSU_34000	cyeB	917	1442	1726	3168	1742	2412	4154	0.7627	0.016693	30	0.032715	46	0.050163577
BSU_08140	yfjD	557	291	426	717	751	662	1413	0.5078	0.01708	22	0.039497	31	0.055655296
BSU_04610	ycdA	599	923	977	1900	969	170	1139	1.6675	0.01713	31	0.051753	21	0.035058431
BSU_17200	pksM	12788	13365	11862	25227	13347	10844	24191	1.0428	0.017229	411	0.03214	482	0.037691586
BSU_31890	yukC	1355	4355	2920	7275	5244	3897	9141	0.7959	0.017342	70	0.051661	93	0.068634686
BSU_10710	gerPB	233	171	48	219	309	186	495	0.4435	0.017691	5	0.021459	12	0.051502146
BSU_16710	mlpA	1229	1918	1941	3859	719	1147	1866	2.0675	0.017878	60	0.04882	49	0.039869813
BSU_misc_R	aswA	100	770	856	1626	6	613	619	2.6242	0.017902	17	0.17	11	0.11
BSU_03480	srfAA	10763	11009	15876	26885	10343	20247	30590	0.8789	0.017959	286	0.026573	323	0.03001022
BSU_09520	sigM	491	1651	1103	2754	4485	4838	9323	0.2955	0.017961	33	0.06721	42	0.085539715
BSU_15069	ylzH	185	301	482	783	830	374	1204	0.6506	0.018038	9	0.048649	19	0.102702703

BSU_29840	ytpP	323	135	311	446	3057	469	3526	0.1267	0.018097	11	0.034056	17	0.052631579
BSU_17600	xyIA	1337	6836	5565	12401	4345	4413	8758	1.4159	0.018186	120	0.089753	113	0.084517577
BSU_18430	yogA	989	643	1164	1807	1624	1544	3168	0.5705	0.01822	40	0.040445	56	0.056622851
BSU_30230	bioK	1346	1023	2422	3445	1556	1900	3456	0.9968	0.018235	37	0.027489	55	0.040861813
BSU_28370	rph	737	58	90	148	236	449	685	0.2172	0.018327	8	0.010855	15	0.020352782
BSU_09460	bcaP	1397	1104	959	2063	558	262	820	2.514	0.018559	40	0.028633	27	0.01932713
BSU_24180	glpQ	731	1484	435	1919	513	147	660	2.9047	0.018704	30	0.04104	21	0.02872777
BSU_14820	ylaL	485	571	692	1263	1283	1109	2392	0.5282	0.018798	14	0.028866	25	0.051546392
BSU_32890	yusQ	383	94	418	512	448	489	937	0.5469	0.01883	7	0.018277	16	0.041775457
BSU_04500	ydbK	740	849	709	1558	134	269	403	3.8589	0.019091	28	0.037838	21	0.028378378
BSU_38270	efeM	1157	910	1094	2004	1674	878	2552	0.7854	0.019127	38	0.032844	57	0.049265341
BSU_11700	thiF	1010	129	311	440	846	606	1452	0.3035	0.019431	16	0.015842	25	0.024752475
BSU_08640	yfhS	224	139	0	139	914	12	926	0.151	0.01949	3	0.013393	9	0.040178571
BSU_06180	pspA	683	2368	3306	5674	1484	1989	3473	1.6336	0.01952	45	0.065886	37	0.054172767
BSU_30520	ytoA	515	392	685	1077	454	800	1254	0.859	0.01955	17	0.03301	30	0.058252427
BSU_15450	lspA	464	979	370	1349	80	47	127	10.5469	0.019574	25	0.053879	16	0.034482759
BSU_07480	yfmG	1463	24745	21853	46598	20555	19250	39805	1.1707	0.019701	244	0.166781	236	0.161312372
BSU_22030	dynA	3581	3650	4210	7860	4657	5558	10215	0.7695	0.019735	134	0.03742	164	0.045797263
BSU_14580	pdhA	1115	21	43	64	75	66	141	0.4577	0.019806	9	0.008072	19	0.017040359
BSU_18920	phrK	122	1915	1512	3427	985	725	1710	2.0035	0.019854	19	0.155738	18	0.147540984
BSU_30110	rmgS	503	202	741	943	397	562	959	0.9833	0.019879	9	0.017893	19	0.03777336
BSU_03310	nasC	2132	1603	2281	3884	2137	2283	4420	0.8788	0.019985	54	0.025328	75	0.035178236
BSU_24690	comGE	347	537	277	814	765	748	1513	0.5383	0.020061	12	0.034582	19	0.054755043
BSU_11440	oppB	935	1998	2612	4610	2191	3236	5427	0.8495	0.020068	49	0.052406	70	0.07486631
BSU_25140	cshB	1316	373	854	1227	1016	1649	2665	0.4606	0.020103	36	0.027356	49	0.037234043
BSU_33330	lysP	1409	1481	1021	2502	4467	1957	6424	0.3896	0.020179	47	0.033357	59	0.041873669
BSU_08680	ygaC	530	1332	349	1681	221	268	489	3.4327	0.020372	31	0.058491	26	0.049056604
BSU_04140	pbpC	2006	2428	2584	5012	1010	1305	2315	2.1645	0.020418	71	0.035394	62	0.030907278
BSU_18890	yobF	923	26898	29105	56003	22085	20354	42439	1.3196	0.020461	156	0.169014	155	0.167930661
BSU_36390	flhP	809	1752	2013	3765	603	511	1114	3.3776	0.020532	38	0.046972	32	0.039555006
BSU_00980	sigH	656	2084	1997	4081	1195	1502	2697	1.513	0.020906	50	0.07622	39	0.05945122

BSU_12870	mhqA	950	711	515	1226	809	1171	1980	0.6194	0.02095	21	0.022105	35	0.036842105
BSU_03330	nasA	1205	1996	1464	3460	2376	1038	3414	1.0135	0.020955	39	0.032365	27	0.022406639
BSU_18380	iseA	545	1425	1305	2730	5420	3629	9049	0.3018	0.02106	31	0.056881	39	0.071559633
BSU_31510	yufK	557	1193	699	1892	271	353	624	3.0288	0.021563	34	0.061041	25	0.044883303
BSU_04110	lipC	641	866	921	1787	1312	894	2206	0.8101	0.021596	22	0.034321	37	0.057722309
BSU_10750	mbtK	905	632	377	1009	865	949	1814	0.5565	0.021694	22	0.024309	33	0.036464088
BSU_12570	xtmA	797	689	531	1220	308	395	703	1.7344	0.021816	26	0.032622	16	0.020075282
BSU_29700	acuB	644	140	361	501	606	579	1185	0.4233	0.021944	12	0.018634	22	0.034161491
BSU_03230	putR	1235	1289	1704	2993	1229	2383	3612	0.8287	0.021995	49	0.039676	71	0.057489879
BSU_21570	yokJ	497	0	0	0	2	132	134	0.0074	0.022059	0	0	4	0.00804829
BSU_09010	yhcA	1598	2535	2691	5226	3083	3034	6117	0.8544	0.022066	77	0.048185	99	0.061952441
BSU_15380	ylmE	692	847	769	1616	269	165	434	3.7172	0.022169	31	0.044798	25	0.036127168
BSU_15740	rsmB	1343	1061	444	1505	1359	5778	7137	0.211	0.022175	35	0.026061	40	0.029784066
BSU_22440	birA	977	0	0	0	10	16	26	0.037	0.022219	0	0	4	0.004094166
BSU_22360	asnS	1292	603	557	1160	1482	1033	2515	0.4614	0.022346	32	0.024768	44	0.034055728
BSU_00820	lysS	1499	0	0	0	145	12	157	0.0063	0.022429	0	0	4	0.002668446
BSU_21070	yonJ	1217	4	4	8	0	0	0	9	0.022434	4	0.003287	0	0
BSU_21600	yokG	1073	0	0	0	2	6	8	0.1111	0.022455	0	0	4	0.003727866
BSU_40520	yybS	929	8930	9393	18323	17475	13281	30756	0.5958	0.022458	108	0.116254	102	0.109795479
BSU_05010	rapI	1175	4	4	8	0	0	0	9	0.022473	4	0.003404	0	0
BSU_30310	ytwF	311	147	275	422	456	218	674	0.6267	0.0225	9	0.028939	18	0.057877814
BSU_20800	yopQ	1382	2	6	8	0	0	0	9	0.022535	4	0.002894	0	0
BSU_09730	yheG	620	187	123	310	426	230	656	0.4734	0.022713	12	0.019355	22	0.035483871
BSU_15730	fmt	953	2	2	4	247	104	351	0.0142	0.022762	2	0.002099	8	0.008394544
BSU_08730	perR	437	14	122	136	150	248	398	0.3434	0.022801	10	0.022883	18	0.041189931
BSU_35980	ywsA	296	139	252	391	432	554	986	0.3972	0.022859	7	0.023649	14	0.047297297
BSU_09290	glpK	1490	799	1197	1996	190	296	486	4.1006	0.022929	40	0.026846	33	0.022147651
BSU_16140	codV	914	666	156	822	269	713	982	0.8372	0.022995	32	0.035011	48	0.052516411
BSU_10510	yhjH	527	360	212	572	484	799	1283	0.4463	0.023034	13	0.024668	24	0.045540797
BSU_02740	natR	701	1944	2390	4334	1478	937	2415	1.7943	0.02304	47	0.067047	43	0.061340942
BSU_17180	pksJ	15131	16138	17902	34040	13780	18774	32554	1.0456	0.023163	526	0.034763	613	0.040512854

BSU_00680	hprT	542	64	61	125	11	2	13	9	0.023271	8	0.01476	2	0.003690037
BSU_10980	yitG	1268	551	504	1055	1158	548	1706	0.6186	0.023384	23	0.018139	36	0.028391167
BSU_24310	folD	851	0	149	149	87	159	246	0.6073	0.023409	3	0.003525	10	0.011750881
BSU_22205		128	670	788	1458	120	82	202	7.1872	0.02344	12	0.09375	8	0.0625
BSU_05770	ydhl	482	971	1509	2480	1605	1281	2886	0.8594	0.023969	22	0.045643	36	0.074688797
BSU_18280	yngK	1532	3317	3236	6553	2941	1566	4507	1.4539	0.024149	81	0.052872	69	0.045039164
BSU_misc_R	pswl	245	490	257	747	106	14	120	6.1818	0.024202	11	0.044898	6	0.024489796
BSU_37130	spo0F	374	76	6	82	1033	1374	2407	0.0345	0.024273	5	0.013369	10	0.026737968
BSU_31860	yueB	3230	3431	5428	8859	6645	5454	12099	0.7322	0.024311	147	0.045511	173	0.053560372
BSU_17850	lexA	617	12	66	78	11	0	11	6.5833	0.024755	8	0.012966	2	0.003241491
BSU_08370	yfiR	617	262	126	388	733	201	934	0.416	0.024774	13	0.02107	23	0.037277147
BSU_18978	bsrE	92	3402	4191	7593	2836	2240	5076	1.4958	0.024883	18	0.195652	18	0.195652174
BSU_16410	flhG	896	307	764	1071	679	871	1550	0.6912	0.025102	22	0.024554	35	0.0390625
BSU_15140	rsmH	935	1037	0	1037	10	2	12	79.8462	0.025433	11	0.011765	4	0.004278075
BSU_24480	yqhR	536	329	209	538	374	702	1076	0.5005	0.025522	15	0.027985	24	0.044776119
BSU_30340	blrA	785	262	396	658	453	392	845	0.779	0.025544	17	0.021656	29	0.036942675
BSU_37030	racA	554	168	423	591	564	250	814	0.7264	0.026029	8	0.01444	16	0.028880866
BSU_25290	era	905	0	15	15	393	474	867	0.0184	0.026246	1	0.001105	6	0.006629834
BSU_31500	yuxK	413	130	137	267	229	454	683	0.3918	0.026626	6	0.014528	13	0.031476998
BSU_23280	ribD	1085	1042	1060	2102	1247	890	2137	0.9836	0.026654	30	0.02765	48	0.044239631
BSU_28220	clpX	1262	21	116	137	4	56	60	2.2623	0.026883	8	0.006339	2	0.001584786
BSU_29940	ytIR	929	967	759	1726	1192	1106	2298	0.7512	0.02689	26	0.027987	41	0.044133477
BSU_13920	splA	239	161	436	597	897	524	1421	0.4205	0.02691	13	0.054393	21	0.087866109
BSU_01730	sigW	563	1400	428	1828	1450	1669	3119	0.5862	0.026969	25	0.044405	34	0.060390764
BSU_14360	skiY	692	114	328	442	452	727	1179	0.3754	0.027064	10	0.014451	18	0.026011561
BSU_27935		122	40	32	72	1782	447	2229	0.0327	0.027471	4	0.032787	7	0.057377049
BSU_13180	metE	2288	3071	2057	5128	2518	3414	5932	0.8645	0.027577	63	0.027535	89	0.038898601
BSU_07690	mapB	749	319	482	801	87	90	177	4.5056	0.027717	15	0.020027	9	0.012016021
BSU_18830	yppS	2600	23710	24887	48597	19315	17304	36619	1.3271	0.027728	265	0.101923	274	0.105384615
BSU_misc_R	mswK	117	74	128	202	0	184	184	1.0973	0.028099	6	0.051282	1	0.008547009
BSU_misc_R	tswD	107	145	0	145	102	197	299	0.4867	0.028259	1	0.009346	6	0.056074766

BSU_15750	rlmN	1091	1039	142	1181	1096	1378	2474	0.4776	0.028284	32	0.029331	43	0.039413382
BSU_35620	lytC	1490	17542	18126	35668	14247	12250	26497	1.3461	0.02834	204	0.136913	210	0.140939597
BSU_04745		116	15	78	93	110	162	272	0.3443	0.02853	3	0.025862	8	0.068965517
BSU_09470	yhdH	1355	627	1052	1679	1996	1104	3100	0.5418	0.028934	35	0.02583	48	0.035424354
BSU_08610	yfhO	2585	4708	2983	7691	3164	3870	7034	1.0934	0.029151	116	0.044874	150	0.058027079
BSU_10120	hemE	1061	40	0	40	14	12	26	1.5185	0.029181	1	0.000943	6	0.005655042
BSU_16160	clpY	1403	1079	242	1321	750	843	1593	0.8294	0.029265	32	0.022808	48	0.034212402
BSU_08190	malR	764	503	435	938	714	592	1306	0.7184	0.029352	17	0.022251	28	0.036649215
BSU_29920	ytmP	614	541	151	692	898	311	1209	0.5727	0.029368	15	0.02443	24	0.039087948
BSU_23350	ypzD	212	137	315	452	305	384	689	0.6565	0.029425	13	0.061321	24	0.113207547
BSU_02920	yceF	773	698	879	1577	213	318	531	2.9662	0.029466	30	0.03881	21	0.027166882
BSU_14780	ylaH	317	42	156	198	287	176	463	0.4289	0.029492	6	0.018927	13	0.041009464
BSU_misc_R	ncrF	79	140	65	205	45	0	45	4.4783	0.029536	4	0.050633	2	0.025316456
BSU_24850	glcK	965	709	914	1623	377	346	723	2.2431	0.029638	28	0.029016	19	0.019689119
BSU_24010	bmr	1169	883	1457	2340	1328	2343	3671	0.6375	0.029642	47	0.040205	63	0.053892216
BSU_35630	lytB	2117	23028	22779	45807	17660	18425	36085	1.2694	0.029672	260	0.122815	268	0.126594237
BSU_37640	lipL	845	95	187	282	77	33	110	2.5495	0.029923	20	0.023669	11	0.013017751
BSU_11220	argD	1157	545	759	1304	1179	1077	2256	0.5782	0.030113	21	0.01815	33	0.02852204
BSU_10780	yisN	587	174	559	733	512	669	1181	0.621	0.030631	14	0.02385	23	0.039182283
BSU_08800	ygaK	1355	1435	1317	2752	2158	2470	4628	0.5947	0.03071	53	0.039114	67	0.049446494
BSU_09230	yhcV	422	283	65	348	293	544	837	0.4165	0.030724	11	0.026066	17	0.04028436
BSU_30080	yteV	182	182	165	347	244	395	639	0.5438	0.031136	6	0.032967	14	0.076923077
BSU_18460	gltC	902	842	772	1614	1122	2422	3544	0.4556	0.031216	30	0.033259	40	0.044345898
BSU_23860	gndA	1409	1617	1345	2962	2793	1199	3992	0.742	0.031514	47	0.033357	67	0.047551455
BSU_10820	yisQ	1367	1144	1699	2843	1937	1692	3629	0.7835	0.031555	42	0.030724	56	0.040965618
BSU_33500	copA	2408	2579	2872	5451	2120	1095	3215	1.6953	0.031557	82	0.034053	77	0.031976744
BSU_17570	xynP	1391	15930	18857	34787	12287	14410	26697	1.303	0.031724	201	0.1445	194	0.139468009
BSU_32290	nucF	770	1408	851	2259	830	436	1266	1.7837	0.031916	36	0.046753	27	0.035064935
BSU_11500	spxA	395	214	276	490	127	0	127	3.8359	0.032182	9	0.022785	3	0.007594937
BSU_38260	efeB	1250	898	785	1683	1569	1463	3032	0.5552	0.032604	26	0.0208	39	0.0312
BSU_15100	ylbP	482	150	259	409	508	345	853	0.4801	0.032621	10	0.020747	18	0.037344398

BSU_19210	wall	863	2348	2236	4584	1857	2935	4792	0.9566	0.032879	61	0.070684	56	0.064889919
BSU_18590	yoaG	404	1448	1815	3263	998	589	1587	2.0554	0.032906	47	0.116337	48	0.118811881
BSU_27350	yrnN	929	694	572	1266	309	204	513	2.465	0.032951	27	0.029064	18	0.019375673
BSU_35150	yvzB	482	606	425	1031	518	736	1254	0.8223	0.033009	17	0.03527	28	0.058091286
BSU_16230	fliH	626	1330	763	2093	1495	977	2472	0.8467	0.033071	24	0.038339	37	0.059105431
BSU_23180	spmA	590	178	530	708	320	809	1129	0.6274	0.033144	15	0.025424	25	0.042372881
BSU_17940	ynel	362	360	708	1068	398	476	874	1.2217	0.033171	23	0.063536	13	0.035911602
BSU_14880	ctaB	917	422	101	523	60	54	114	4.5565	0.033552	25	0.027263	16	0.017448201
BSU_15640	fhnA	1718	1634	1468	3102	1807	1537	3344	0.9277	0.033554	45	0.026193	62	0.036088475
BSU_19360	odhB	1253	227	146	373	362	638	1000	0.3736	0.033747	21	0.01676	32	0.025538707
BSU_25980	yqbT	1046	1563	1000	2563	1689	7984	9673	0.265	0.033755	46	0.043977	63	0.060229446
BSU_22150	ypvA	1925	1809	2536	4345	1047	939	1986	2.1872	0.03377	69	0.035844	59	0.030649351
BSU_32590	frlN	878	536	741	1277	675	976	1651	0.7736	0.033961	28	0.031891	40	0.045558087
BSU_02430	glsA	983	2150	1372	3522	1205	1115	2320	1.5179	0.033991	48	0.04883	39	0.039674466
BSU_19800	phyC	1148	2089	1635	3724	2464	1932	4396	0.8472	0.033999	43	0.037456	64	0.055749129
BSU_18680	yoaO	488	3377	4302	7679	2942	2835	5777	1.3292	0.03412	56	0.114754	47	0.096311475
BSU_26680	yrdK	317	570	1193	1763	826	1328	2154	0.8186	0.034206	23	0.072555	32	0.100946372
BSU_37620	psrF	776	1328	600	1928	668	811	1479	1.3034	0.034287	24	0.030928	16	0.020618557
BSU_06780	yeeC	1148	32852	28713	61565	25957	26858	52815	1.1657	0.034354	171	0.148955	168	0.146341463
BSU_12130	yjfC	899	1101	692	1793	780	1346	2126	0.8434	0.034484	30	0.03337	45	0.050055617
BSU_34750	whiA	950	414	562	976	321	101	422	2.3097	0.03452	31	0.032632	22	0.023157895
BSU_29460	moaB	512	168	165	333	402	432	834	0.4	0.034525	10	0.019531	17	0.033203125
BSU_06300	cotA	1541	3090	2850	5940	3439	3151	6590	0.9014	0.035182	70	0.045425	88	0.057105775
BSU_06490	purF	1430	1152	1196	2348	979	818	1797	1.3065	0.035189	46	0.032168	36	0.025174825
BSU_24100	bkdR	2078	635	994	1629	1446	850	2296	0.7096	0.035275	45	0.021655	62	0.029836381
BSU_10380	hemAT	1298	959	370	1329	939	896	1835	0.7244	0.035331	28	0.021572	38	0.029275809
BSU_06110	bsuRC	1397	40956	36698	77654	33712	29905	63617	1.2206	0.035337	275	0.19685	269	0.192555476
BSU_12460	xlyB	953	526	413	939	781	498	1279	0.7344	0.035398	15	0.01574	26	0.027282267
BSU_15130	mraZ	431	415	63	478	50	0	50	9.3922	0.035435	11	0.025522	5	0.011600928
BSU_07390	copP	422	522	119	641	191	23	214	2.986	0.03547	12	0.028436	8	0.018957346
BSU_06740	yefB	902	28562	25498	54060	20028	22644	42672	1.2669	0.036089	162	0.179601	152	0.168514412

BSU_33270	yrO	689	691	539	1230	936	763	1699	0.7241	0.036105	24	0.034833	34	0.04934688
BSU_40950	sprC	617	4259	4593	8852	3653	2921	6574	1.3465	0.03625	55	0.089141	48	0.077795786
BSU_19630	deoD	701	1427	2342	3769	707	481	1188	3.1707	0.036285	44	0.062767	44	0.062767475
BSU_23520	fur	449	87	130	217	166	305	471	0.4619	0.036706	14	0.03118	23	0.051224944
BSU_15550	pyrF	719	67	11	78	41	177	218	0.3607	0.036764	7	0.009736	14	0.019471488
BSU_18670	oxdD	1178	5120	5789	10909	3194	2732	5926	1.8407	0.037268	80	0.067912	83	0.070458404
BSU_31390	yugI	392	240	815	1055	206	65	271	3.8824	0.03767	19	0.048469	14	0.035714286
BSU_18420	ftsR	857	1689	1322	3011	584	683	1267	2.3754	0.038099	40	0.046674	34	0.039673279
BSU_11840	yjcF	422	136	126	262	346	311	657	0.3997	0.038273	6	0.014218	13	0.030805687
BSU_38400	epr	1937	1564	1384	2948	1135	2299	3434	0.8585	0.038405	43	0.022199	58	0.029943211
BSU_15580	cysP	1064	868	754	1622	1299	633	1932	0.8396	0.038418	30	0.028195	44	0.041353383
BSU_09640	mscY	1115	751	478	1229	658	953	1611	0.763	0.038487	29	0.026009	44	0.039461883
BSU_08690	ygaD	1742	1820	2198	4018	2512	2413	4925	0.8159	0.038516	69	0.03961	91	0.052238806
BSU_04030	ycsD	392	631	384	1015	703	407	1110	0.9145	0.038714	7	0.017857	16	0.040816327
BSU_32350	fisB	764	908	337	1245	1278	762	2040	0.6105	0.038751	16	0.020942	27	0.035340314
BSU_05190	ydeG	1292	12447	11478	23925	8006	10768	18774	1.2744	0.038759	143	0.110681	138	0.106811146
BSU_08500	yfhE	110	0	0	0	26	51	77	0.0128	0.038936	0	0	3	0.027272727
BSU_13590	mtnW	1217	810	584	1394	974	853	1827	0.7631	0.039475	35	0.028759	49	0.040262942
BSU_17340	hfq	221	931	1051	1982	458	725	1183	1.6748	0.039676	20	0.090498	13	0.058823529
BSU_05409	ydzQ	143	231	209	440	77	0	77	5.6538	0.039696	6	0.041958	2	0.013986014
BSU_03990	mtlD	1121	381	835	1216	769	1094	1863	0.6529	0.039965	24	0.021409	33	0.029438002
BSU_13610	mtnB	629	118	350	468	306	283	589	0.7949	0.040067	11	0.017488	20	0.031796502
BSU_34850	yvcA	725	6208	1207	7415	6026	2912	8938	0.8296	0.040156	78	0.107586	90	0.124137931
BSU_15040	ylbK	782	546	374	920	776	713	1489	0.6181	0.04048	19	0.024297	30	0.038363171
BSU_13540	ogt	497	318	492	810	977	393	1370	0.5915	0.040511	18	0.036217	27	0.054325956
BSU_22190	ypsA	629	1252	1402	2654	889	819	1708	1.5535	0.040595	39	0.062003	32	0.050874404
BSU_02860	znuC	695	364	240	604	338	499	837	0.722	0.040743	18	0.025899	29	0.041726619
BSU_28230	tig	1274	112	639	751	1426	1137	2563	0.2933	0.040745	21	0.016484	29	0.022762951
BSU_36860	atpE	212	0	43	43	0	0	0	44	0.040817	3	0.014151	0	0
BSU_25620	rsfS	356	304	362	666	284	57	341	1.9503	0.040821	14	0.039326	9	0.025280899
BSU_22849	ypzH	194	35	50	85	133	207	340	0.2522	0.040887	3	0.015464	7	0.036082474

BSU_10970	yitF	1115	741	690	1431	785	851	1636	0.8748	0.040976	17	0.015247	29	0.026008969
BSU_34820	bmrA	1769	3393	3920	7313	2347	2879	5226	1.3993	0.040985	93	0.052572	78	0.044092708
BSU_19970	yosX	353	0	0	0	4	2	6	0.1429	0.041153	0	0	3	0.008498584
BSU_23210	spcB	593	0	0	0	2	60	62	0.0159	0.0412	0	0	3	0.005059022
BSU_00460	ispE	869	2	4	6	0	0	0	7	0.041201	3	0.003452	0	0
BSU_32110	trxBB	998	0	0	0	2	6	8	0.1111	0.041315	0	0	3	0.003006012
BSU_20490	yoqW	674	0	0	0	4	4	8	0.1111	0.041323	0	0	3	0.004451039
BSU_16540	cdsA	809	0	6	6	0	0	0	7	0.041325	3	0.003708	0	0
BSU_32230	yuxL	1973	2144	2732	4876	3328	3526	6854	0.7115	0.041336	80	0.040547	95	0.048150025
BSU_25070	ispG	1133	25	8	33	0	0	0	34	0.041339	3	0.002648	0	0
BSU_16770	dapA	872	0	0	0	2	4	6	0.1429	0.041345	0	0	3	0.003440367
BSU_29330	cmoO	1004	873	988	1861	884	1395	2279	0.8167	0.041378	25	0.0249	37	0.03685259
BSU_15180	murE	1484	0	0	0	51	2	53	0.0185	0.041413	0	0	3	0.002021563
BSU_28080	folC	1292	0	0	0	2	8	10	0.0909	0.041413	0	0	3	0.002321981
BSU_29790	murC	1298	0	0	0	2	4	6	0.1429	0.041434	0	0	3	0.002311248
BSU_31010	floT	1529	1124	843	1967	1614	1274	2888	0.6812	0.041456	42	0.027469	58	0.03793329
BSU_04260	topB	2183	0	0	0	4	2	6	0.1429	0.041465	0	0	3	0.001374256
BSU_17380	nrdE	2102	2	4	6	0	0	0	7	0.041511	3	0.001427	0	0
BSU_11590	yjbL	368	672	129	801	536	1164	1700	0.4715	0.041628	13	0.035326	21	0.057065217
BSU_18910	rapK	1115	31772	33320	65092	24382	27552	51934	1.2534	0.04176	181	0.162332	177	0.158744395
BSU_30120	rmgQ	1121	1021	1513	2534	1850	1649	3499	0.7243	0.041977	40	0.035682	56	0.049955397
BSU_09300	glpD	1667	563	799	1362	950	1138	2088	0.6525	0.042112	43	0.025795	58	0.034793041
BSU_06240	bdhA	1040	1850	1958	3808	1228	832	2060	1.8481	0.042149	48	0.046154	42	0.040384615
BSU_30870	yticB	950	766	1764	2530	462	463	925	2.7333	0.042151	38	0.04	33	0.034736842
BSU_18990	rttM	458	1771	516	2287	1120	160	1280	1.7861	0.042229	48	0.104803	38	0.082969432
BSU_33140	yvqJ	1268	1136	1549	2685	2697	1729	4426	0.6067	0.04223	54	0.042587	68	0.05362776
BSU_27910	thrR	443	522	667	1189	624	384	1008	1.1794	0.042338	27	0.060948	19	0.042889391
BSU_15560	pyrE	650	18	72	90	354	137	491	0.185	0.042636	8	0.012308	14	0.021538462
BSU_33600	smpB	470	63	107	170	97	168	265	0.6429	0.042649	9	0.019149	16	0.034042553
BSU_10110	pbpF	2144	2553	3147	5700	2440	2679	5119	1.1135	0.042877	94	0.043843	125	0.058302239
BSU_23920	yqjD	1523	1141	720	1861	1503	922	2425	0.7675	0.043133	39	0.025607	53	0.034799737

BSU_15300	bpr	4301	3738	3709	7447	5772	5154	10926	0.6816	0.043199	135	0.031388	160	0.037200651
BSU_25289	yqzL	143	84	128	212	474	137	611	0.348	0.043298	6	0.041958	11	0.076923077
BSU_27140	oatA	1904	3320	2933	6253	2947	3740	6687	0.9351	0.043626	89	0.046744	113	0.059348739
BSU_09260	yhxA	1352	1466	1073	2539	505	543	1048	2.4214	0.043826	37	0.027367	31	0.022928994
BSU_12010	manP	1952	3264	2214	5478	1808	1334	3142	1.7432	0.04405	81	0.041496	70	0.035860656
BSU_24930	yqzD	353	458	332	790	108	91	199	3.955	0.044239	17	0.048159	10	0.028328612
BSU_07460	yfml	1220	33887	31475	65362	29692	27124	56816	1.1504	0.044381	258	0.211475	253	0.207377049
BSU_13850	pfeT	1913	1336	1331	2667	1693	1833	3526	0.7565	0.044448	47	0.024569	64	0.033455306
BSU_03170	ycgK	974	487	1083	1570	996	793	1789	0.8777	0.044481	23	0.023614	35	0.035934292
BSU_34390	pnbA	1469	2779	2186	4965	3346	2924	6270	0.7919	0.044485	56	0.038121	74	0.050374404
BSU_37870	spsE	1121	748	715	1463	1112	760	1872	0.7816	0.044502	20	0.017841	32	0.028545941
BSU_misc_R	sdaM	258	0	8	8	678	43	721	0.0125	0.044912	1	0.003876	4	0.015503876
BSU_22740	hepT	1046	0	8	8	16	12	28	0.3103	0.04493	2	0.001912	7	0.006692161
BSU_00970	raeA	512	379	744	1123	925	1298	2223	0.5054	0.045158	24	0.046875	31	0.060546875
BSU_09840	hemZ	1505	1494	1369	2863	1001	1851	2852	1.0039	0.045238	48	0.031894	69	0.045847176
BSU_30300	meIA	1298	1344	747	2091	874	1052	1926	1.0856	0.04547	34	0.026194	51	0.039291217
BSU_03890	gabR	1439	2377	2023	4400	3099	2788	5887	0.7475	0.045903	56	0.038916	71	0.049339819
BSU_07010	rhgR	2285	3569	2661	6230	2875	2420	5295	1.1765	0.046084	80	0.035011	66	0.028884026
BSU_12990	eepC	890	703	692	1395	1506	834	2340	0.5963	0.046279	23	0.025843	33	0.037078652
BSU_17460	glnA	1334	34	2	36	34	16	50	0.7255	0.046325	2	0.001499	7	0.005247376
BSU_31120	lytG	848	1029	1520	2549	399	868	1267	2.011	0.046378	48	0.056604	43	0.050707547
BSU_31260	mcpB	1988	2093	2889	4982	2482	3259	5741	0.8678	0.046649	60	0.030181	81	0.040744467
BSU_34070	yvfT	1115	3811	3720	7531	5036	3826	8862	0.8498	0.046914	64	0.057399	84	0.075336323
BSU_15980	ffh	1340	2	0	2	208	79	287	0.0104	0.047121	1	0.000746	5	0.003731343
BSU_28940	ysaA	782	789	540	1329	500	982	1482	0.8968	0.047208	26	0.033248	38	0.04859335
BSU_05170	ydeE	872	6232	4742	10974	5691	3753	9444	1.162	0.047317	86	0.098624	85	0.097477064
BSU_08530	yfhH	314	128	104	232	425	344	769	0.3026	0.047459	6	0.019108	12	0.038216561
BSU_18800	penP	920	4714	5483	10197	2149	3417	5566	1.8319	0.047662	74	0.080435	72	0.07826087
BSU_06090	bsuRA	941	14226	17091	31317	10185	14897	25082	1.2486	0.047734	125	0.132837	127	0.134962806
BSU_25360	yqfC	281	322	301	623	408	133	541	1.1513	0.048152	17	0.060498	9	0.03202847
BSU_34990	lgt	809	703	1122	1825	356	133	489	3.7265	0.048375	32	0.039555	27	0.033374536

BSU_08520	recX	794	704	296	1000	199	89	288	3.4637	0.048739	23	0.028967	18	0.022670025
BSU_23160	rluB	734	641	711	1352	873	692	1565	0.864	0.048935	22	0.029973	34	0.046321526
BSU_15650	tcaB	2672	1797	2368	4165	1845	1967	3812	1.0926	0.049213	70	0.026198	91	0.034056886
BSU_29650	dgcP	1739	1519	1786	3305	1907	1216	3123	1.0583	0.049228	44	0.025302	61	0.035077631
BSU_39290	rtbE	443	2	0	2	4	6	10	0.2727	0.049299	1	0.002257	5	0.011286682
BSU_32910	yusS	329	118	158	276	2	116	118	2.3277	0.049647	10	0.030395	6	0.018237082
BSU_04740	rsbX	599	0	30	30	21	21	42	0.7209	0.04967	2	0.003339	7	0.011686144
BSU_14810	ylaK	1328	1178	1572	2750	1909	2729	4638	0.593	0.049952	45	0.033886	58	0.043674699
BSU_12880	ykcB	2150	2877	2779	5656	2716	3899	6615	0.855	0.050022	84	0.03907	105	0.048837209
BSU_18840	xynA	641	29804	33832	63636	21973	21195	43168	1.4741	0.050047	111	0.173167	113	0.176287051
BSU_37080	rho	1283	613	776	1389	925	970	1895	0.7331	0.05012	27	0.021044	38	0.029618083
BSU_27600	rsh	2204	112	76	188	51	196	247	0.7621	0.050212	18	0.008167	10	0.004537205
BSU_00950	mrnC	431	1628	536	2164	1412	5246	6658	0.3251	0.050454	22	0.051044	29	0.067285383
BSU_27810	alaP	1454	1593	1757	3350	1499	2250	3749	0.8936	0.050565	55	0.037827	76	0.052269601
BSU_14340	skiW	695	423	208	631	622	712	1334	0.4734	0.050616	20	0.028777	29	0.041726619
BSU_02070	csgA	248	1258	1162	2420	630	994	1624	1.4898	0.050718	23	0.092742	18	0.072580645
BSU_01070	rpoB	3581	10	0	10	2	0	2	3.6667	0.050786	5	0.001396	1	0.000279252
BSU_27290	yrzA	203	34	176	210	0	38	38	5.4103	0.051009	7	0.034483	3	0.014778325
BSU_12270	yjIB	497	304	197	501	287	411	698	0.7182	0.051261	7	0.014085	14	0.028169014
BSU_16580	polC	4313	122	0	122	40	4	44	2.7333	0.051334	1	0.000232	5	0.001159286
BSU_25520	yqxX	338	103	187	290	435	345	780	0.3726	0.051514	9	0.026627	15	0.044378698
BSU_18500	yoxD	716	1341	1555	2896	1199	718	1917	1.5104	0.051678	44	0.061453	34	0.047486034
BSU_16310	fliM	998	2085	1650	3735	901	720	1621	2.3033	0.051753	40	0.04008	33	0.033066132
BSU_32330	lipA	896	519	386	905	535	614	1149	0.7878	0.052049	22	0.024554	33	0.036830357
BSU_07580	citS	1628	1850	1758	3608	1341	1089	2430	1.4846	0.052583	51	0.031327	45	0.027641278
BSU_misc_R	asrG	179	6	6	12	6	0	6	1.8571	0.052671	5	0.027933	1	0.005586592
BSU_11810	spoVIF	254	23	210	233	257	697	954	0.245	0.052771	5	0.019685	10	0.039370079
BSU_35830	ywtG	1373	1518	2105	3623	2008	2608	4616	0.7849	0.052777	52	0.037873	68	0.049526584
BSU_27160	cypB	3164	2831	2710	5541	3059	2589	5648	0.9811	0.052782	98	0.030973	121	0.038242731
BSU_08780	ygaJ	692	889	426	1315	1014	869	1883	0.6985	0.053139	25	0.036127	34	0.049132948
BSU_24910	yqgM	1079	685	1059	1744	855	1080	1935	0.9013	0.053219	33	0.030584	48	0.044485635

BSU_28670	ysfB	1106	1047	748	1795	1297	1656	2953	0.608	0.053352	26	0.023508	36	0.032549729
BSU_00710	hslO	875	2862	2099	4961	4238	5943	10181	0.4873	0.053496	65	0.074286	66	0.075428571
BSU_10940	slpH	686	186	488	674	582	495	1077	0.6262	0.053592	16	0.023324	24	0.034985423
BSU_32870	mdtR	467	290	279	569	2	131	133	4.2537	0.054095	11	0.023555	7	0.014989293
BSU_22330	ypoC	494	512	405	917	198	53	251	3.6429	0.054297	15	0.030364	10	0.020242915
BSU_05290	ydeP	386	1873	1314	3187	1332	749	2081	1.5312	0.054418	34	0.088083	30	0.077720207
BSU_10990	yitH	848	1297	853	2150	1542	1240	2782	0.7729	0.055176	28	0.033019	37	0.043632075
BSU_28710	cstA	1796	1588	1367	2955	1552	1618	3170	0.9322	0.05611	46	0.025612	63	0.035077951
BSU_34480	yvdT	689	2652	1637	4289	783	2039	2822	1.5197	0.056117	50	0.072569	45	0.065312046
BSU_05343	ydzSn	101	46	116	162	295	138	433	0.3756	0.056119	5	0.049505	7	0.069306931
BSU_28110	spoVID	1727	1708	895	2603	1427	1420	2847	0.9143	0.05615	45	0.026057	59	0.034163289
BSU_30840	yteA	719	323	163	486	392	391	783	0.6212	0.056176	11	0.015299	19	0.026425591
BSU_01060	rlmG	605	731	587	1318	368	247	615	2.1412	0.056307	25	0.041322	21	0.034710744
BSU_misc_R	pyaC	114	33	0	33	59	61	120	0.281	0.056397	2	0.017544	6	0.052631579
BSU_27880	nifS	1187	1386	2058	3444	2234	1852	4086	0.8429	0.056612	60	0.050548	75	0.063184499
BSU_22400	dinG	2795	2184	2282	4466	750	1576	2326	1.9196	0.056678	80	0.028623	68	0.024329159
BSU_14500	ykqA	833	2003	1875	3878	1802	4940	6742	0.5753	0.056905	36	0.043217	49	0.058823529
BSU_32260	hom	1301	670	1597	2267	1268	1102	2370	0.9566	0.057068	37	0.02844	51	0.039200615
BSU_14900	ctaD	1868	1528	1546	3074	1761	1474	3235	0.9502	0.057214	48	0.025696	63	0.03372591
BSU_10500	yhjG	1499	812	758	1570	1466	752	2218	0.708	0.057704	26	0.017345	38	0.025350233
BSU_23830	yqjL	761	726	876	1602	778	1403	2181	0.7346	0.057748	25	0.032852	37	0.048620237
BSU_34360	epsB	683	1468	2642	4110	1827	1481	3308	1.2424	0.05845	20	0.029283	33	0.048316252
BSU_10790	asnO	1844	1757	1069	2826	1366	1109	2475	1.1418	0.058674	42	0.022777	59	0.031995662
BSU_19660	yozD	176	193	314	507	893	585	1478	0.3435	0.058675	10	0.056818	14	0.079545455
BSU_10020	serC	1079	838	831	1669	1028	1257	2285	0.7305	0.059095	31	0.02873	41	0.037998146
BSU_11860	yjcH	722	863	821	1684	1035	855	1890	0.8911	0.059287	26	0.036011	39	0.05401662
BSU_22540	qcrC	767	314	340	654	491	171	662	0.9879	0.059453	12	0.015645	21	0.0273794
BSU_36739		140	166	257	423	0	190	190	2.2199	0.06004	7	0.05	3	0.021428571
BSU_29805	sftA	2858	2403	2148	4551	693	691	1384	3.2866	0.060212	62	0.021693	57	0.019944017
BSU_10900	yisY	806	210	506	716	423	311	734	0.9755	0.060425	10	0.012407	18	0.022332506
BSU_05680	ydgK	1208	2791	2725	5516	4662	4848	9510	0.5801	0.060508	56	0.046358	67	0.055463576

BSU_11382	appAc	1166	1864	1410	3274	1877	2079	3956	0.8276	0.060581	55	0.04717	72	0.061749571
BSU_21790	ypIQ	641	548	466	1014	702	1084	1786	0.568	0.060616	30	0.046802	38	0.059282371
BSU_17620	yncB	635	6621	6595	13216	4774	4206	8980	1.4717	0.060792	65	0.102362	65	0.102362205
BSU_40350	rocR	1385	4636	7198	11834	6192	17051	23243	0.5092	0.060833	75	0.054152	80	0.057761733
BSU_18320	ppsC	7667	3254	3465	6719	3417	4017	7434	0.9038	0.060953	89	0.011608	111	0.014477631
BSU_40810	yyaM	917	31372	40890	72262	26223	33458	59681	1.2108	0.061	166	0.181025	164	0.178844057
BSU_03040	amyE	1979	5110	3273	8383	4310	3372	7682	1.0912	0.061155	89	0.044972	114	0.057604851
BSU_30820	menD	1742	4	60	64	44	32	76	0.8442	0.061267	7	0.004018	14	0.008036739
BSU_04785	cmpA	113	219	23	242	163	615	778	0.3119	0.061268	9	0.079646	12	0.10619469
BSU_10840	iolQ	1013	690	369	1059	1145	882	2027	0.5227	0.061272	22	0.021718	31	0.030602172
BSU_00830	ctsR	464	1314	65	1379	1813	43	1856	0.7431	0.061341	20	0.043103	29	0.0625
BSU_18650	pelB	1037	5506	6356	11862	3421	4454	7875	1.5062	0.061567	95	0.09161	92	0.088717454
BSU_misc_R	tboH	232	0	133	133	0	47	47	2.7917	0.061703	6	0.025862	2	0.00862069
BSU_08425	mprF	2570	3495	3888	7383	2259	1976	4235	1.7432	0.061805	106	0.041245	102	0.039688716
BSU_24700	comGD	431	793	586	1379	747	612	1359	1.0147	0.061944	19	0.044084	29	0.067285383
BSU_37230	ywjA	1727	1477	1827	3304	2025	1574	3599	0.9181	0.06211	57	0.033005	73	0.042269832
BSU_31100	ktrB	1337	1491	1781	3272	1551	3007	4558	0.7179	0.062151	57	0.042633	70	0.052356021
BSU_05580	ydgC	587	1052	847	1899	761	509	1270	1.4949	0.062383	27	0.045997	18	0.030664395
BSU_22900	ypfB	176	754	325	1079	511	320	831	1.2981	0.062449	15	0.085227	11	0.0625
BSU_14100	ykuJ	239	347	225	572	408	509	917	0.6242	0.06276	9	0.037657	15	0.062761506
BSU_31220	rhaE	2069	2034	2686	4720	2938	2287	5225	0.9034	0.062982	82	0.039633	104	0.050265829
BSU_27770	yrbE	1025	1382	1135	2517	2372	1498	3870	0.6505	0.063005	35	0.034146	45	0.043902439
BSU_01580	ybaR	1436	2214	1727	3941	2974	4096	7070	0.5575	0.063007	65	0.045265	77	0.05362117
BSU_15250	ylxW	695	1342	525	1867	243	80	323	5.7654	0.063093	22	0.031655	17	0.024460432
BSU_39180	yxiH	329	871	1886	2757	749	673	1422	1.9382	0.063101	21	0.06383	19	0.05775076
BSU_00490	spoVG	293	393	781	1174	919	1273	2192	0.5358	0.063109	18	0.061433	22	0.075085324
BSU_08200	malP	1583	2274	1801	4075	2532	2201	4733	0.861	0.063111	45	0.028427	58	0.036639292
BSU_26440	yrkO	1217	4390	4420	8810	2886	4002	6888	1.279	0.06336	101	0.082991	91	0.074774035
BSU_26130	yqbF	311	519	1001	1520	609	690	1299	1.17	0.063398	36	0.115756	27	0.08681672
BSU_09430	citR	875	849	1677	2526	631	957	1588	1.5903	0.063851	38	0.043429	29	0.033142857
BSU_16740	spoVFB	602	374	229	603	145	118	263	2.2879	0.063901	14	0.023256	8	0.013289037

BSU_16100	sucD	902	407	280	687	849	828	1677	0.41	0.064118	24	0.026608	32	0.035476718
BSU_misc_R	bsrC	268	296	339	635	107	295	402	1.5782	0.064279	14	0.052239	9	0.03358209
BSU_19200	desR	599	3236	1511	4747	1360	1156	2516	1.8864	0.064302	46	0.076795	39	0.065108514
BSU_21040	yonO	2519	12	8	20	6	0	6	3	0.064531	8	0.003176	3	0.001190949
BSU_07770	yfkS	200	830	1136	1966	1329	1460	2789	0.705	0.065152	22	0.11	14	0.07
BSU_23890	oxaAB	827	1368	539	1907	629	842	1471	1.2962	0.065172	28	0.033857	42	0.050785973
BSU_00810	dusB	1001	1014	0	1014	2378	0	2378	0.4266	0.065214	22	0.021978	30	0.02997003
BSU_32719	yuzK	137	0	17	17	21	63	84	0.2118	0.065693	2	0.014599	5	0.03649635
BSU_25530	spolIP	1205	732	1924	2656	1533	873	2406	1.1039	0.065733	37	0.030705	51	0.042323651
BSU_24990	pstS	902	366	1134	1500	649	800	1449	1.0352	0.065938	24	0.026608	36	0.039911308
BSU_30490	ytqB	584	787	852	1639	267	566	833	1.9664	0.066232	22	0.037671	18	0.030821918
BSU_03050	lctE	965	1313	1146	2459	1251	2015	3266	0.753	0.066263	39	0.040415	49	0.050777202
BSU_31430	yugE	260	280	295	575	266	75	341	1.6842	0.066452	11	0.042308	6	0.023076923
BSU_24370	spolIAG	689	258	779	1037	233	799	1032	1.0048	0.066521	15	0.021771	24	0.034833091
BSU_29239	ytrH	341	504	380	884	749	1038	1787	0.495	0.066532	15	0.043988	22	0.064516129
BSU_25280	recO	767	317	171	488	93	53	146	3.3265	0.066872	20	0.026076	14	0.018252934
BSU_40510	gdpP	1979	17069	14262	31331	24070	17867	41937	0.7471	0.066875	164	0.08287	171	0.086407276
BSU_31660	mrpG	374	496	602	1098	99	109	208	5.2584	0.066896	10	0.026738	5	0.013368984
BSU_22990	ypbF	443	698	1014	1712	610	439	1049	1.6314	0.066947	29	0.065463	22	0.0496614
BSU_37350	sboA	131	65	172	237	53	15	68	3.4493	0.067175	5	0.038168	2	0.015267176
BSU_28830	ysdB	392	162	281	443	229	326	555	0.7986	0.06719	9	0.022959	18	0.045918367
BSU_12190	yjhB	626	98	496	594	384	333	717	0.8287	0.067691	12	0.019169	20	0.031948882
BSU_28310	ilvB	1724	1399	1160	2559	1158	982	2140	1.1957	0.067703	56	0.032483	45	0.026102088
BSU_06730	rlmCD	1379	5496	4474	9970	4322	4397	8719	1.1435	0.067785	58	0.042059	49	0.035532995
BSU_37790	rocG	1274	797	1014	1811	2892	3639	6531	0.2774	0.067803	42	0.032967	45	0.035321821
BSU_02980	opuAA	1256	1611	1100	2711	1739	2936	4675	0.58	0.067854	47	0.03742	58	0.046178344
BSU_07810	treA	1685	868	611	1479	366	413	779	1.8974	0.068244	54	0.032047	49	0.029080119
BSU_28750	araN	1301	685	912	1597	1128	1137	2265	0.7052	0.06843	38	0.029208	52	0.039969254
BSU_26000	yqbR	263	756	342	1098	190	404	594	1.8471	0.06897	17	0.064639	14	0.053231939
BSU_10180	yhfC	776	633	455	1088	891	914	1805	0.603	0.069423	25	0.032216	34	0.043814433
BSU_02619	yczK	176	99	266	365	122	71	193	1.8866	0.069502	6	0.034091	2	0.011363636

BSU_12860	steT	1316	1078	733	1811	1320	847	2167	0.8358	0.069607	36	0.027356	50	0.037993921
BSU_26850	yrpG	980	2003	1932	3935	2017	2961	4978	0.7905	0.069642	44	0.044898	56	0.057142857
BSU_06100	bsuRB	1031	24173	20118	44291	18487	19617	38104	1.1624	0.069657	174	0.168768	166	0.161008729
BSU_39580	cotNE	365	3669	2230	5899	2543	1922	4465	1.3211	0.069666	35	0.09589	29	0.079452055
BSU_32920	yusT	887	398	344	742	611	910	1521	0.4882	0.069819	18	0.020293	26	0.029312289
BSU_misc_R	swmG	153	339	0	339	28	0	28	11.7241	0.069834	6	0.039216	3	0.019607843
BSU_29410	ytKL	683	356	646	1002	999	617	1616	0.6203	0.070001	19	0.027818	27	0.039531479
BSU_37890	spsC	1169	2070	2525	4595	2460	2017	4477	1.0264	0.070314	45	0.038494	60	0.05132592
BSU_18819	yozU	212	4514	4845	9359	3030	2666	5696	1.643	0.070376	32	0.150943	32	0.150943396
BSU_27440	glnH	821	128	239	367	486	135	621	0.5916	0.070471	12	0.014616	20	0.024360536
BSU_34230	epsN	1166	1343	2080	3423	2400	1600	4000	0.8558	0.070558	43	0.036878	54	0.046312178
BSU_23850	zwf	1469	51	63	114	19	73	92	1.2366	0.070765	5	0.003404	11	0.007488087
BSU_30290	msmG	830	852	949	1801	339	688	1027	1.7529	0.071042	31	0.037349	24	0.028915663
BSU_33240	oxdC	1157	1487	1369	2856	2375	1566	3941	0.7248	0.071098	44	0.038029	55	0.047536733
BSU_31370	bdhJ	1163	692	1003	1695	757	915	1672	1.0137	0.071238	28	0.024076	41	0.035253654
BSU_34140	ganQ	851	1750	1938	3688	2431	1375	3806	0.969	0.071598	41	0.048179	54	0.063454759
BSU_17110	pkdD	974	843	2248	3091	1819	1551	3370	0.9172	0.071663	39	0.040041	54	0.055441478
BSU_24730	comGA	1070	786	1299	2085	923	908	1831	1.1386	0.07173	33	0.030841	47	0.043925234
BSU_37880	spsD	869	963	1368	2331	1035	1170	2205	1.0571	0.071878	38	0.043728	49	0.056386651
BSU_03770	rapC	1148	4227	4185	8412	2032	2815	4847	1.7354	0.071879	92	0.080139	96	0.083623693
BSU_38650	yxIG	776	865	356	1221	1106	1053	2159	0.5657	0.072422	20	0.025773	29	0.037371134
BSU_24230	spoIVB	1280	849	821	1670	978	818	1796	0.9299	0.072563	31	0.024219	43	0.03359375
BSU_32560	frlR	728	1207	1301	2508	1446	1290	2736	0.9167	0.072621	32	0.043956	43	0.059065934
BSU_14960	ylbC	1040	969	1394	2363	268	396	664	3.5549	0.072659	47	0.045192	44	0.042307692
BSU_15690	rpoZ	203	330	2	332	49	0	49	6.66	0.072802	7	0.034483	3	0.014778325
BSU_05990	tatCY	764	907	964	1871	566	814	1380	1.3555	0.072829	26	0.034031	38	0.04973822
BSU_25010	yqgE	1292	1712	1143	2855	1618	1317	2935	0.9728	0.073165	47	0.036378	62	0.047987616
BSU_12820	spoIISB	170	40	149	189	6	10	16	11.1765	0.073368	5	0.029412	3	0.017647059
BSU_07720	yfID	137	450	437	887	131	213	344	2.5739	0.073422	13	0.094891	9	0.065693431
BSU_15080	rpmF	179	157	34	191	30	13	43	4.3636	0.073472	8	0.044693	4	0.022346369
BSU_04510	ydbL	335	1429	2093	3522	1111	629	1740	2.0235	0.073473	22	0.065672	21	0.062686567

BSU_32760	yusD	344	290	125	415	180	224	404	1.0272	0.073522	6	0.017442	12	0.034883721
BSU_25340	phoH	959	1559	882	2441	3061	1362	4423	0.552	0.07388	36	0.037539	43	0.044838373
BSU_03788	yczM	89	168	65	233	430	251	681	0.3431	0.074737	7	0.078652	9	0.101123596
BSU_37180	fadF	2117	1718	1928	3646	2275	2224	4499	0.8104	0.075039	55	0.02598	69	0.032593292
BSU_28100	cotN	1025	1573	1801	3374	854	1041	1895	1.7801	0.0751	46	0.044878	38	0.037073171
BSU_18120	alsT	1397	3311	2943	6254	1043	1316	2359	2.6504	0.075178	80	0.057266	81	0.057981389
BSU_06811	yezG	455	556	881	1437	1131	505	1636	0.8784	0.075572	9	0.01978	16	0.035164835
BSU_19290	yozO	344	193	126	319	570	669	1239	0.2581	0.075596	11	0.031977	13	0.037790698
BSU_10170	fabHB	977	700	632	1332	1138	834	1972	0.6756	0.075739	32	0.032753	42	0.042988741
BSU_13680	motB	785	664	506	1170	875	765	1640	0.7136	0.075773	21	0.026752	32	0.040764331
BSU_37220	ywjB	524	453	698	1151	700	486	1186	0.9705	0.075805	14	0.026718	24	0.045801527
BSU_27450	glnM	650	885	1438	2323	1312	1305	2617	0.8877	0.0759	28	0.043077	36	0.055384615
BSU_36910	ywlG	542	23	528	551	445	130	575	0.9583	0.076066	4	0.00738	9	0.016605166
BSU_05690	ydhB	737	1213	1135	2348	2088	1035	3123	0.7519	0.076186	36	0.048847	48	0.065128901
BSU_40940	yyaD	1016	16403	16035	32438	14557	12097	26654	1.217	0.076202	105	0.103346	105	0.103346457
BSU_23760	coaA	959	1568	1368	2936	899	977	1876	1.5647	0.076565	42	0.043796	35	0.03649635
BSU_27500	mnmA	1115	0	57	57	4	118	122	0.4715	0.076632	2	0.001794	6	0.005381166
BSU_17679		164	827	778	1605	506	613	1119	1.4339	0.076707	23	0.140244	17	0.103658537
BSU_22760	hepS	755	0	48	48	0	324	324	0.1508	0.076776	2	0.002649	6	0.00794702
BSU_26055	bsrH	89	911	684	1595	622	406	1028	1.551	0.07683	12	0.134831	12	0.134831461
BSU_12430	rapA	1136	1513	1455	2968	1424	1800	3224	0.9206	0.076948	54	0.047535	71	0.0625
BSU_00250	xpaC	614	3380	2502	5882	2436	2713	5149	1.1423	0.07697	45	0.07329	35	0.057003257
BSU_03652	yclD	464	638	474	1112	276	311	587	1.8929	0.076987	17	0.036638	15	0.032327586
BSU_05700	ydhC	674	688	275	963	749	661	1410	0.6832	0.07718	18	0.026706	25	0.037091988
BSU_26340	yqaF	230	1163	587	1750	1359	385	1744	1.0034	0.077286	14	0.06087	21	0.091304348
BSU_10830	yisR	863	799	1053	1852	951	1667	2618	0.7075	0.077572	30	0.034762	41	0.047508691
BSU_17170	pksI	749	371	925	1296	666	777	1443	0.8982	0.07761	26	0.034713	37	0.049399199
BSU_04200	lyxE	503	756	865	1621	475	305	780	2.0768	0.077758	27	0.053678	23	0.045725646
BSU_33810	opuCC	911	1761	2595	4356	3887	3231	7118	0.612	0.077886	49	0.053787	55	0.060373216
BSU_27760	csbX	1307	1319	1375	2694	1441	1783	3224	0.8357	0.078136	49	0.03749	65	0.049732211
BSU_38550	ilvK	1091	1545	1060	2605	1361	1586	2947	0.884	0.078343	33	0.030247	44	0.040329973

BSU_18310	ppsD	10811	5276	5339	10615	5045	4525	9570	1.1092	0.0785	152	0.01406	179	0.01655721
BSU_rRNA_1	rrnD-23S	2927	0	0	0	32	6	38	0.0256	0.078826	0	0	2	0.000683293
BSU_15430	ileS	2765	0	0	0	4	2	6	0.1429	0.078878	0	0	2	0.000723327
BSU_20860	aimR	1160	4	0	4	0	0	0	5	0.078925	2	0.001724	0	0
BSU_21500	uvrX	1250	0	0	0	2	2	4	0.2	0.07897	0	0	2	0.0016
BSU_01780	glmS	1802	0	0	0	4	137	141	0.007	0.078971	0	0	2	0.001109878
BSU_31750	pncB	1472	13	2	15	0	0	0	16	0.079032	2	0.001359	0	0
BSU_27550	aspS	1778	0	0	0	2	2	4	0.2	0.079042	0	0	2	0.001124859
BSU_19130	yocA	677	1328	1749	3077	582	282	864	3.5584	0.079077	37	0.054653	39	0.05760709
BSU_04570	murF	1373	0	0	0	47	0	47	0.0208	0.079091	0	0	2	0.001456664
BSU_21650	yokB	710	0	6	6	0	0	0	7	0.079106	2	0.002817	0	0
BSU_misc_R	srdFi	804	0	0	0	4	0	4	0.2	0.079112	0	0	2	0.002487562
BSU_30550	metK	1202	0	76	76	0	0	0	77	0.079123	2	0.001664	0	0
BSU_16550	dxr	1151	70	0	70	0	0	0	71	0.079132	2	0.001738	0	0
BSU_28990	dnaB	1418	2	13	15	0	0	0	16	0.079132	2	0.00141	0	0
BSU_37520	ywhD	518	299	234	533	551	441	992	0.5378	0.079163	17	0.032819	25	0.048262548
BSU_20590	yoqL	692	0	0	0	0	4	4	0.2	0.079168	0	0	2	0.002890173
BSU_16960	rny	1562	0	0	0	10	0	10	0.0909	0.07917	0	0	2	0.00128041
BSU_28020	mreC	872	0	0	0	0	4	4	0.2	0.079178	0	0	2	0.002293578
BSU_25570	comEC	2330	3259	2635	5894	58590	3450	62040	0.095	0.079181	107	0.045923	125	0.053648069
BSU_15290	ftsZ	1148	2	2	4	0	0	0	5	0.079213	2	0.001742	0	0
BSU_23840	rnz	923	0	0	0	4	2	6	0.1429	0.079216	0	0	2	0.002166847
BSU_01380	mapA	746	0	0	0	2	2	4	0.2	0.079266	0	0	2	0.002680965
BSU_21090	yonH	500	0	0	0	0	4	4	0.2	0.079266	0	0	2	0.004
BSU_21330	yomK	446	0	0	0	0	4	4	0.2	0.079297	0	0	2	0.004484305
BSU_29210	accD	872	2	2	4	0	0	0	5	0.079297	2	0.002294	0	0
BSU_37120	fbaA	857	0	0	0	2	2	4	0.2	0.079297	0	0	2	0.002333722
BSU_27050	levF	809	511	863	1374	711	914	1625	0.8456	0.079299	30	0.037083	40	0.049443758
BSU_20870	yopJ	416	0	4	4	0	0	0	5	0.079314	2	0.004808	0	0
BSU_21620	yokE	482	0	0	0	2	2	4	0.2	0.079314	0	0	2	0.004149378
BSU_08990	yhbl	464	305	191	496	610	666	1276	0.3892	0.079368	14	0.030172	19	0.040948276

BSU_21530	yoIB	356	0	0	0	0	6	6	0.1429	0.079374	0	0	2	0.005617978
BSU_27510	iscSA	1139	4	126	130	0	0	0	131	0.07944	2	0.001756	0	0
BSU_20120	yosH	470	0	0	0	2	2	4	0.2	0.079459	0	0	2	0.004255319
BSU_29660	rpsD	602	2	2	4	0	0	0	5	0.079459	2	0.003322	0	0
BSU_20510	yoqU	413	0	0	0	2	2	4	0.2	0.079485	0	0	2	0.004842615
BSU_20580	yoqM	278	0	0	0	0	4	4	0.2	0.079608	0	0	2	0.007194245
BSU_20000	yosU	245	0	0	0	0	4	4	0.2	0.079645	0	0	2	0.008163265
BSU_05340	arsF	1307	5292	4391	9683	3727	4033	7760	1.2478	0.079751	115	0.087988	106	0.08110176
BSU_20690	yoqB	338	0	0	0	4	0	4	0.2	0.079774	0	0	2	0.00591716
BSU_21030	yonP	194	0	0	0	2	2	4	0.2	0.079774	0	0	2	0.010309278
BSU_15020	coaD	485	0	0	0	4	6	10	0.0909	0.079787	0	0	2	0.004123711
BSU_15470	pyrR	545	265	21	286	255	2	257	1.1124	0.079812	7	0.012844	13	0.023853211
BSU_20220	yorX	227	0	4	4	0	0	0	5	0.079881	2	0.008811	0	0
BSU_20570	yoqN	218	0	0	0	4	0	4	0.2	0.08001	0	0	2	0.009174312
BSU_21598	yoyK	239	0	0	0	2	2	4	0.2	0.08001	0	0	2	0.008368201
BSU_36920	rpiB	449	0	0	0	2	4	6	0.1429	0.080029	0	0	2	0.004454343
BSU_16810	ymfC	725	684	537	1221	358	600	958	1.2742	0.080101	24	0.033103	38	0.052413793
BSU_20770	yopT	218	2	4	6	0	0	0	7	0.080106	2	0.009174	0	0
BSU_32680	sufU	443	0	0	0	0	17	17	0.0556	0.080106	0	0	2	0.004514673
BSU_11760	cotX	518	640	590	1230	803	583	1386	0.8875	0.080269	28	0.054054	38	0.073359073
BSU_16910	rodZ	866	889	0	889	100	0	100	8.8119	0.080282	12	0.013857	7	0.008083141
BSU_22250	yppG	377	898	388	1286	163	686	849	1.5141	0.080355	17	0.045093	28	0.074270557
BSU_01340	rpmD	179	0	0	0	2	2	4	0.2	0.080493	0	0	2	0.011173184
BSU_12830	spolISA	746	1886	1914	3800	2115	2402	4517	0.8413	0.0806	45	0.060322	57	0.076407507
BSU_06310	gabP	1409	1600	1933	3533	1476	2216	3692	0.9569	0.080665	43	0.030518	58	0.041163946
BSU_15670	remA	269	0	0	0	19	0	19	0.05	0.080674	0	0	2	0.007434944
BSU_00040	recF	1112	1771	775	2546	970	111	1081	2.354	0.080786	43	0.038669	39	0.035071942
BSU_20990	yonU	188	0	0	0	15	0	15	0.0625	0.080846	0	0	2	0.010638298
BSU_28500	trxA	314	0	0	0	2	17	19	0.05	0.080846	0	0	2	0.006369427
BSU_02019	ybzI	263	491	910	1401	593	599	1192	1.1752	0.080866	18	0.068441	13	0.049429658
BSU_40930	yjaE	2003	13095	15371	28466	12665	10433	23098	1.2324	0.080898	129	0.064403	123	0.061407888

BSU_20650	yoqF	203	0	0	0	2	2	4	0.2	0.080992	0	0	2	0.009852217
BSU_15920	acpA	233	0	0	0	4	2	6	0.1429	0.081049	0	0	2	0.008583691
BSU_30560	pckA	1583	216	641	857	719	730	1449	0.5917	0.081055	34	0.021478	43	0.027163613
BSU_19020	yobN	1436	7860	8270	16130	4953	5740	10693	1.5084	0.081883	121	0.084262	124	0.086350975
BSU_25410	rpsU	173	6	17	23	0	0	0	24	0.08197	2	0.011561	0	0
BSU_41060	rpmH	134	0	0	0	0	21	21	0.0455	0.08197	0	0	2	0.014925373
BSU_13070	ykkA	527	570	265	835	474	882	1356	0.6161	0.082129	19	0.036053	23	0.043643264
BSU_37470	phrF	119	366	142	508	140	94	234	2.166	0.082223	12	0.10084	9	0.075630252
BSU_24680	comGF	383	544	190	734	448	381	829	0.8855	0.082269	9	0.023499	15	0.039164491
BSU_22050	bpsA	1097	1699	1538	3237	689	1170	1859	1.7409	0.08228	38	0.03464	34	0.030993619
BSU_38740	cydC	1703	1578	1522	3100	958	662	1620	1.913	0.082414	38	0.022314	33	0.019377569
BSU_14870	ctaA	920	157	86	243	115	124	239	1.0167	0.082438	16	0.017391	25	0.027173913
BSU_04660	ndoA	350	372	353	725	289	389	678	1.0692	0.082941	14	0.04	9	0.025714286
BSU_24050	bkdAA	992	956	1259	2215	1797	1990	3787	0.585	0.083088	36	0.03629	44	0.044354839
BSU_16730	spoVFA	893	752	652	1404	762	837	1599	0.8781	0.083154	30	0.033595	39	0.043673012
BSU_07790	yfkQ	1541	2259	2011	4270	2919	2982	5901	0.7237	0.083641	71	0.046074	83	0.053861129
BSU_00960	rlmB	749	1326	1602	2928	1022	1348	2370	1.2353	0.083678	37	0.049399	29	0.038718291
BSU_15810	spoVM	80	50	50	100	0	0	0	101	0.083744	2	0.025	0	0
BSU_31960	dhbF	7136	8868	7680	16548	8374	9776	18150	0.9117	0.0838	212	0.029709	243	0.034052691
BSU_22860	yphA	599	1202	1199	2401	1503	775	2278	1.054	0.084018	50	0.083472	44	0.07345576
BSU_14130	ykuL	443	816	1563	2379	872	672	1544	1.5405	0.084027	29	0.065463	22	0.0496614
BSU_22780	folEA	572	0	2	2	38	13	51	0.0577	0.084061	1	0.001748	4	0.006993007
BSU_24160	mmgB	863	1025	1527	2552	853	696	1549	1.6471	0.084072	32	0.03708	27	0.031286211
BSU_37210	ywjC	272	224	435	659	323	427	750	0.8788	0.084102	8	0.029412	15	0.055147059
BSU_27380	yrzB	281	292	263	555	356	618	974	0.5703	0.084117	7	0.024911	12	0.042704626
BSU_17715		137	1854	941	2795	669	1046	1715	1.6294	0.084162	17	0.124088	15	0.109489051
BSU_28240	ysoA	1004	604	924	1528	905	661	1566	0.9757	0.084208	29	0.028884	41	0.040836653
BSU_02670	lmrB	1439	1864	2451	4315	2537	2907	5444	0.7927	0.084489	57	0.039611	66	0.045865184
BSU_32630	dadA	1118	491	667	1158	779	378	1157	1.0009	0.084632	25	0.022361	36	0.032200358
BSU_32270	cotNH	1019	1664	1632	3296	2689	1669	4358	0.7564	0.084661	41	0.040236	51	0.050049068
BSU_29060	coaE	593	2	0	2	8	8	16	0.1765	0.084681	1	0.001686	4	0.006745363

BSU_21820	thyB	794	0	2	2	0	25	25	0.1154	0.084988	1	0.001259	4	0.005037783
BSU_06270	ydjO	209	975	921	1896	395	524	919	2.062	0.085068	16	0.076555	16	0.076555024
BSU_30160	yticQ	1496	907	1082	1989	1222	1047	2269	0.8767	0.085328	39	0.02607	52	0.034759358
BSU_tRNA_7	trnSL-Gl	74	0	0	0	56	0	56	0.0175	0.085452	0	0	2	0.027027027
BSU_28010	mreD	518	8	59	67	0	4	4	13.6	0.085947	4	0.007722	1	0.001930502
BSU_11650	tenA	710	1077	1829	2906	1383	1652	3035	0.9575	0.086077	28	0.039437	39	0.054929577
BSU_27560	hisS	1274	0	2	2	2	563	565	0.0053	0.086513	1	0.000785	4	0.003139717
BSU_38720	nnrA	830	334	527	861	582	1086	1668	0.5165	0.086771	18	0.021687	25	0.030120482
BSU_15890	pIsX	1001	0	2	2	105	2	107	0.0278	0.086892	1	0.000999	4	0.003996004
BSU_16600	nusA	1115	4	0	4	473	0	473	0.0105	0.087018	1	0.000897	4	0.003587444
BSU_29350	tcyM	707	554	831	1385	525	526	1051	1.3175	0.087412	19	0.026874	30	0.042432815
BSU_02280	ybfM	488	1456	1771	3227	752	1930	2682	1.2031	0.087512	50	0.102459	40	0.081967213
BSU_00770	folP	857	0	21	21	115	13	128	0.1705	0.08771	1	0.001167	4	0.004667445
BSU_04780	tex	2159	1976	2612	4588	1432	3136	4568	1.0044	0.087867	71	0.032886	92	0.042612321
BSU_tRNA_8	trnSL-Al	72	0	0	0	0	32	32	0.0303	0.087867	0	0	2	0.027777778
BSU_02030	ybdM	770	2091	1930	4021	1943	2146	4089	0.9834	0.08788	39	0.050649	50	0.064935065
BSU_36820	atpG	863	0	42	42	0	6	6	6.1429	0.087885	4	0.004635	1	0.001158749
BSU_09110	yhcJ	830	696	1179	1875	1801	1860	3661	0.5123	0.08791	26	0.031325	31	0.037349398
BSU_11790	yjcA	356	99	209	308	561	221	782	0.3946	0.088127	9	0.025281	13	0.036516854
BSU_19080	yobT	701	1172	1487	2659	963	703	1666	1.5957	0.088135	29	0.041369	26	0.037089872
BSU_19460	bshBB	665	570	938	1508	362	711	1073	1.405	0.088197	36	0.054135	31	0.046616541
BSU_12630	xkdl	485	23	48	71	222	34	256	0.2802	0.088293	4	0.008247	8	0.016494845
BSU_06550	yecA	1274	5311	5884	11195	3709	4775	8484	1.3195	0.088389	81	0.063579	76	0.059654631
BSU_30980	glgB	1883	2128	2415	4543	2234	3465	5699	0.7972	0.088424	81	0.043016	97	0.051513542
BSU_19940	yotB	827	2	0	2	4	4	8	0.3333	0.088648	1	0.001209	4	0.004836759
BSU_36290	ywpJ	857	477	868	1345	1726	709	2435	0.5525	0.088741	27	0.031505	34	0.039673279
BSU_40400	walK	1835	122	292	414	1743	3323	5066	0.0819	0.088754	7	0.003815	13	0.007084469
BSU_14710	ylaA	1940	3776	3609	7385	4133	3405	7538	0.9797	0.088941	97	0.05	118	0.060824742
BSU_32360	yunC	305	233	820	1053	100	180	280	3.7509	0.089009	11	0.036066	8	0.026229508
BSU_22470	bshBA	710	63	381	444	33	74	107	4.1204	0.08952	12	0.016901	7	0.009859155
BSU_05900	thiL	977	3024	29	3053	1696	14	1710	1.7849	0.089554	25	0.025589	38	0.038894575

BSU_35510	yvyE	653	2286	2700	4986	2327	4928	7255	0.6873	0.089677	47	0.071975	53	0.081163859
BSU_13560	mtnK	1193	642	622	1264	692	776	1468	0.8611	0.089687	29	0.024308	41	0.034367142
BSU_27920	obgE	1286	0	21	21	8	38	46	0.4681	0.089856	1	0.000778	4	0.00311042
BSU_27230	yrhD	482	115	45	160	60	0	60	2.6393	0.089861	4	0.008299	1	0.002074689
BSU_00230	bofA	263	1275	389	1664	480	439	919	1.8098	0.089886	22	0.08365	19	0.072243346
BSU_14510	ktrC	665	1140	1228	2368	2956	3978	6934	0.3416	0.090073	36	0.054135	39	0.058646617
BSU_27580	yrvJ	1556	1633	2117	3750	2405	2662	5067	0.7401	0.090197	58	0.037275	70	0.044987147
BSU_11090	yitR	293	573	479	1052	711	456	1167	0.9015	0.090252	18	0.061433	27	0.092150171
BSU_35890	capC	449	813	1223	2036	874	1159	2033	1.0015	0.090411	25	0.055679	36	0.080178174
BSU_01120	fusA	2078	13	0	13	6	2	8	1.5556	0.090489	1	0.000481	4	0.001924928
BSU_11570	cwlQ	545	523	549	1072	479	550	1029	1.0417	0.090558	13	0.023853	21	0.03853211
BSU_16845	ymfF	1280	2002	1196	3198	923	1358	2281	1.4018	0.090675	38	0.029688	53	0.04140625
BSU_22940	prsW	656	518	1145	1663	1447	1235	2682	0.6202	0.090958	41	0.0625	50	0.076219512
BSU_05460	ydfL	812	3338	3582	6920	4658	4452	9110	0.7596	0.091076	67	0.082512	74	0.091133005
BSU_34770	yvcJ	887	186	659	845	27	2452	2479	0.3411	0.091112	24	0.027057	30	0.033821871
BSU_tRNA_8	trnQ-Ar ξ	75	0	6	6	100	160	260	0.0268	0.091144	1	0.013333	3	0.04
BSU_18020	sspN	146	103	125	228	212	314	526	0.4345	0.091369	5	0.034247	9	0.061643836
BSU_12090	cotT	248	482	1204	1686	662	886	1548	1.0891	0.091708	26	0.104839	19	0.076612903
BSU_16050	rbgA	848	130	0	130	68	85	153	0.8506	0.091858	1	0.001179	4	0.004716981
BSU_32510	pucA	992	581	953	1534	711	576	1287	1.1918	0.091911	21	0.021169	31	0.03125
BSU_36950	tsaC	1040	0	11	11	0	22	22	0.5217	0.092106	1	0.000962	4	0.003846154
BSU_13780	ykvP	1199	1720	2179	3899	2777	2408	5185	0.752	0.092125	72	0.06005	85	0.07089241
BSU_33480	bdbD	668	558	924	1482	1167	900	2067	0.7171	0.09229	21	0.031437	29	0.043413174
BSU_29160	ytl	1115	542	854	1396	1422	847	2269	0.6154	0.092429	39	0.034978	49	0.043946188
BSU_04240	ydzA	290	263	148	411	414	205	619	0.6645	0.092481	7	0.024138	12	0.04137931
BSU_15030	spoVV	1226	663	496	1159	565	520	1085	1.0681	0.092543	28	0.022838	40	0.032626427
BSU_05060	lrpB	449	9777	11626	21403	8762	11079	19841	1.0787	0.092835	64	0.142539	61	0.135857461
BSU_40500	rplI	449	2374	2141	4515	4166	1783	5949	0.759	0.092836	34	0.075724	44	0.097995546
BSU_36280	hepA	2768	1929	1738	3667	1940	2161	4101	0.8942	0.092917	57	0.020592	71	0.025650289
BSU_10150	yhgD	575	539	284	823	681	3342	4023	0.2048	0.092921	11	0.01913	15	0.026086957
BSU_37020	ywkD	386	568	1193	1761	1383	1202	2585	0.6814	0.092973	18	0.046632	22	0.056994819

BSU_23980	artP	767	742	551	1293	345	352	697	1.8539	0.093058	23	0.029987	17	0.022164276
BSU_14090	ykul	1223	3691	3382	7073	1924	2118	4042	1.7497	0.09322	71	0.058054	71	0.058053966
BSU_04060	pxpG	1214	1623	1006	2629	1884	2173	4057	0.6481	0.093394	47	0.038715	56	0.046128501
BSU_25790	arsB	1040	3327	2077	5404	7490	2264	9754	0.5541	0.093783	93	0.089423	110	0.105769231
BSU_34250	epsL	608	862	961	1823	1148	924	2072	0.8799	0.09382	17	0.027961	23	0.037828947
BSU_30810	menH	824	350	424	774	2419	2492	4911	0.1578	0.093845	24	0.029126	25	0.030339806
BSU_19000	rttL	1802	17494	21604	39098	13444	15173	28617	1.3662	0.09396	177	0.098224	171	0.094894562
BSU_32070	spsC	656	820	1486	2306	1712	1003	2715	0.8494	0.09397	23	0.035061	31	0.047256098
BSU_05490	ydfO	938	1529	2431	3960	2796	3326	6122	0.6469	0.094063	45	0.047974	50	0.053304904
BSU_17630	yncC	1415	6140	4968	11108	4093	3693	7786	1.4266	0.094195	113	0.079859	120	0.084805654
BSU_24560	gcvPA	1346	1046	1604	2650	1979	1310	3289	0.8058	0.094291	39	0.028975	50	0.037147103
BSU_18620	yoal	1451	6454	5480	11934	3779	4701	8480	1.4073	0.094294	112	0.077188	110	0.075809786
BSU_36700	moaA	1025	1247	1858	3105	1630	1253	2883	1.077	0.094357	38	0.037073	49	0.047804878
BSU_28070	comC	746	1053	1005	2058	866	1309	2175	0.9462	0.094498	32	0.042895	45	0.060321716
BSU_22180	gpsB	296	124	216	340	76	108	184	1.8432	0.094583	14	0.047297	10	0.033783784
BSU_05760	ydhH	497	759	865	1624	975	1074	2049	0.7927	0.094659	25	0.050302	35	0.070422535
BSU_13410	ligV	935	1192	1254	2446	1665	1206	2871	0.852	0.094664	33	0.035294	42	0.044919786
BSU_35020	nagBA	728	763	883	1646	779	1469	2248	0.7323	0.095611	29	0.039835	35	0.048076923
BSU_18780	yoaW	431	1825	2612	4437	1320	2058	3378	1.3134	0.095946	37	0.085847	34	0.078886311
BSU_26120	yqbG	395	1604	1086	2690	647	811	1458	1.8444	0.095966	36	0.091139	37	0.093670886
BSU_00200	ebfC	323	0	36	36	16	2	18	1.9474	0.096313	1	0.003096	4	0.012383901
BSU_30400	bceR	695	482	423	905	675	893	1568	0.5774	0.096319	22	0.031655	28	0.04028777
BSU_06950	yesM	1733	3044	4340	7384	8860	3885	12745	0.5794	0.096603	64	0.03693	76	0.043854587
BSU_33239	yvrJ	338	1415	1027	2442	2053	1239	3292	0.7419	0.096606	24	0.071006	31	0.091715976
BSU_33090	liaS	1082	660	816	1476	946	791	1737	0.8498	0.096656	20	0.018484	27	0.024953789
BSU_34580	mdxJ	884	672	660	1332	1363	1363	2726	0.4888	0.096715	29	0.032805	35	0.03959276
BSU_03460	hxlA	632	347	761	1108	1001	548	1549	0.7155	0.096983	18	0.028481	25	0.039556962
BSU_29590	iscSB	1145	1681	1418	3099	1938	1734	3672	0.844	0.097449	51	0.044541	61	0.053275109
BSU_29740	ccpA	1004	340	589	929	493	684	1177	0.7895	0.097458	30	0.02988	40	0.039840637
BSU_13940	ykwB	680	1466	932	2398	1439	2201	3640	0.6589	0.097518	31	0.045588	37	0.054411765
BSU_29100	phoR	1739	1888	1415	3303	2442	1340	3782	0.8734	0.097589	49	0.028177	61	0.035077631

BSU_18900	yoZJ	455	9961	11306	21267	7850	8757	16607	1.2806	0.097785	78	0.171429	77	0.169230769
BSU_22210	ypRb	1241	960	1496	2456	1077	1552	2629	0.9342	0.097823	40	0.032232	51	0.04109589
BSU_11250	argF	959	913	564	1477	641	1082	1723	0.8573	0.097835	29	0.03024	38	0.039624609
BSU_17580	xynB	1601	10956	12706	23662	8734	10844	19578	1.2086	0.097847	189	0.118051	191	0.119300437
BSU_31690	comP	2309	46534	51032	97566	57723	38470	96193	1.0143	0.098035	321	0.139021	314	0.135989606
BSU_19669	yoyF	143	205	67	272	282	139	421	0.6469	0.098113	5	0.034965	11	0.076923077
BSU_29880	maeC	1700	1085	1515	2600	1563	1290	2853	0.9114	0.09818	46	0.027059	60	0.035294118
BSU_29520	yteJ	494	838	251	1089	1036	715	1751	0.6221	0.098493	21	0.04251	28	0.056680162
BSU_29310	cmoJ	1328	1081	779	1860	1183	1065	2248	0.8275	0.098565	28	0.021084	38	0.028614458
BSU_06530	purD	1268	622	955	1577	964	1659	2623	0.6014	0.098723	38	0.029968	45	0.035488959
BSU_33820	opuCB	653	2485	1820	4305	3627	2377	6004	0.7171	0.099166	49	0.075038	51	0.078101072
BSU_26259	yqzO	149	264	377	641	270	337	607	1.0559	0.099177	15	0.100671	9	0.060402685
BSU_25660	aroE	842	292	396	688	1145	973	2118	0.3252	0.099258	34	0.04038	38	0.045130641
BSU_18580	yoaF	293	630	1324	1954	234	672	906	2.1555	0.099276	23	0.078498	17	0.058020478
BSU_28340	ysnF	821	565	426	991	778	1127	1905	0.5205	0.099277	22	0.026797	31	0.037758831
BSU_17880	ynzC	233	98	78	176	222	512	734	0.2408	0.099397	7	0.030043	10	0.042918455
BSU_18490	rtp	368	1012	585	1597	735	365	1100	1.4514	0.099548	27	0.07337	24	0.065217391
BSU_29770	ytxH	455	225	194	419	9	61	70	5.9155	0.09969	9	0.01978	6	0.013186813
BSU_misc_R	tswA	108	105	0	105	77	19	96	1.0928	0.099935	1	0.009259	4	0.037037037
BSU_26060	yqbM	443	1053	648	1701	550	688	1238	1.3737	0.099983	26	0.058691	24	0.054176072
BSU_05430	ydfJ	2174	4636	5737	10373	5671	6944	12615	0.8223	0.100114	129	0.059338	142	0.065317387
BSU_38760	cydA	1406	1715	2661	4376	1575	2242	3817	1.1464	0.100309	64	0.045519	53	0.03769559
BSU_13870	ykvZ	965	439	588	1027	821	573	1394	0.7369	0.100381	22	0.022798	29	0.030051813
BSU_28450	sdhC	608	165	227	392	1552	1122	2674	0.1469	0.100478	21	0.034539	24	0.039473684
BSU_16790	tepA	737	677	887	1564	307	720	1027	1.5224	0.100525	29	0.039349	24	0.03256445
BSU_16950	pbpX	1175	1677	1695	3372	1104	786	1890	1.7837	0.100655	66	0.05617	62	0.052765957
BSU_31420	yugF	821	1045	911	1956	841	1164	2005	0.9756	0.100713	24	0.029233	34	0.041412911
BSU_33960	araE	1394	3655	2776	6431	3389	3103	6492	0.9906	0.10088	66	0.047346	82	0.058823529
BSU_misc_R	glmSA	170	71	0	71	327	0	327	0.2195	0.100933	2	0.011765	5	0.029411765
BSU_01720	ybbK	455	680	1054	1734	769	1335	2104	0.8242	0.101029	20	0.043956	28	0.061538462
BSU_18019	ynzL	125	145	80	225	171	25	196	1.1472	0.101083	7	0.056	6	0.048

BSU_07100	lpIA	1508	1609	1614	3223	1285	1416	2701	1.1932	0.101131	45	0.029841	37	0.024535809
BSU_05300	ydeQ	593	2191	2498	4689	1557	1891	3448	1.3598	0.101149	51	0.086003	53	0.089376054
BSU_27180	yrhH	542	474	1003	1477	290	416	706	2.0905	0.101155	34	0.062731	30	0.055350554
BSU_13280	ykoJ	512	350	544	894	644	1076	1720	0.52	0.10141	19	0.037109	24	0.046875
BSU_18710	yoZF	497	2331	1796	4127	1677	1078	2755	1.4978	0.101881	48	0.096579	51	0.102615694
BSU_33720	opuBB	653	1669	1026	2695	2394	997	3391	0.7948	0.102119	33	0.050536	39	0.059724349
BSU_10310	yhfO	449	687	851	1538	949	474	1423	1.0808	0.1022	21	0.046771	14	0.031180401
BSU_27700	yrbF	266	273	211	484	313	236	549	0.8818	0.102209	9	0.033835	15	0.056390977
BSU_19540	arxR	338	153	65	218	26	33	59	3.65	0.102433	8	0.023669	5	0.014792899
BSU_14520	adeC	1733	978	1511	2489	1689	2605	4294	0.5797	0.102748	49	0.028275	61	0.035199077
BSU_09740	yheF	125	110	336	446	289	324	613	0.728	0.102954	6	0.048	10	0.08
BSU_14568		143	666	468	1134	1020	960	1980	0.5729	0.103086	16	0.111888	20	0.13986014
BSU_08540	yfhl	1193	464	362	826	461	445	906	0.9118	0.103121	22	0.018441	31	0.025984912
BSU_38890	yxjN	473	2136	2593	4729	1996	1689	3685	1.2832	0.103225	43	0.090909	39	0.082452431
BSU_09350	yhdB	242	469	416	885	442	286	728	1.2154	0.103433	20	0.082645	14	0.05785124
BSU_05560	ydGA	242	446	657	1103	398	531	929	1.1871	0.103477	13	0.053719	21	0.08677686
BSU_34470	aspP	1562	3004	2485	5489	3102	3420	6522	0.8416	0.103485	74	0.047375	85	0.054417414
BSU_39050	katE	2060	1826	1480	3306	2152	1774	3926	0.8421	0.103506	52	0.025243	65	0.031553398
BSU_06010	ydiL	734	3303	2689	5992	2168	1161	3329	1.7997	0.103561	49	0.066757	49	0.066757493
BSU_28590	polX	1712	940	1495	2435	1560	1770	3330	0.7313	0.10415	53	0.030958	62	0.036214953
BSU_11630	prpE	734	789	956	1745	1310	1055	2365	0.738	0.104493	33	0.044959	41	0.055858311
BSU_05120	cspC	200	1209	1995	3204	649	1270	1919	1.6693	0.10488	16	0.08	14	0.07
BSU_03140	tmrB	593	339	831	1170	844	840	1684	0.695	0.104887	19	0.03204	26	0.043844857
BSU_22260	yppF	188	497	249	746	839	541	1380	0.5409	0.105055	14	0.074468	18	0.095744681
BSU_13480	htpK	701	475	911	1386	1079	1159	2238	0.6195	0.105218	27	0.038516	34	0.04850214
BSU_25300	cdd	410	0	83	83	0	179	179	0.4667	0.105478	3	0.007317	7	0.017073171
BSU_32190	yuzB	236	280	483	763	120	78	198	3.8392	0.105612	9	0.038136	6	0.025423729
BSU_25390	nfeDA	1313	1512	1788	3300	885	712	1597	2.0657	0.105783	46	0.035034	39	0.02970297
BSU_01680	murP	1367	2186	1817	4003	2081	2298	4379	0.9142	0.105884	49	0.035845	61	0.044623263
BSU_17470	ynxB	290	2738	3193	5931	2102	2042	4144	1.4311	0.105907	47	0.162069	46	0.15862069
BSU_06770	yeeB	1799	40772	39393	80165	33694	37580	71274	1.1247	0.105968	295	0.16398	295	0.163979989

BSU_11549	yizD	167	326	126	452	338	162	500	0.9042	0.106039	8	0.047904	14	0.083832335
BSU_13509	yzkP	155	47	529	576	306	792	1098	0.525	0.106161	7	0.045161	10	0.064516129
BSU_10210	yhfF	407	107	243	350	195	426	621	0.5643	0.106243	8	0.019656	13	0.031941032
BSU_19030	yobO	2420	9731	12106	21837	9435	9689	19124	1.1419	0.106372	217	0.089669	208	0.085950413
BSU_14330	yknV	1814	2057	1555	3612	2177	1848	4025	0.8974	0.106489	61	0.033627	77	0.042444763
BSU_18930	yobHc	653	13801	9514	23315	11171	5975	17146	1.3598	0.106494	60	0.091884	60	0.091883614
BSU_06760	yeeA	2639	63874	60646	124520	56417	60810	117227	1.0622	0.106948	413	0.156499	425	0.161045851
BSU_24490	yqhQ	956	781	887	1668	863	892	1755	0.9505	0.107026	31	0.032427	42	0.043933054
BSU_24210	yqiG	1118	585	813	1398	688	495	1183	1.1816	0.107205	20	0.017889	29	0.025939177
BSU_16930	cinA	1250	1166	1973	3139	904	847	1751	1.7922	0.107275	45	0.036	41	0.0328
BSU_13930	splB	1028	2564	2032	4596	1846	1556	3402	1.3509	0.107292	59	0.057393	52	0.050583658
BSU_31780	yueH	248	480	286	766	220	107	327	2.3384	0.10758	5	0.020161	11	0.044354839
BSU_36750	spolID	1031	2189	1800	3989	2263	2271	4534	0.8798	0.107622	38	0.036857	50	0.048496605
BSU_35060	cypX	1217	1685	1699	3384	1665	1836	3501	0.9666	0.107975	52	0.042728	65	0.053410025
BSU_34200	sigL	1310	1790	1719	3509	1122	1520	2642	1.328	0.107988	52	0.039695	45	0.034351145
BSU_05530	ydfR	677	1306	1209	2515	1547	917	2464	1.0207	0.108044	36	0.053176	35	0.051698671
BSU_misc_R	fswB	307	263	424	687	446	338	784	0.8764	0.108072	8	0.026059	13	0.042345277
BSU_26030	yqbO	4757	8168	7785	15953	7570	8239	15809	1.0091	0.108252	258	0.054236	288	0.060542359
BSU_10070	sndC	1190	656	759	1415	1007	985	1992	0.7105	0.108363	30	0.02521	37	0.031092437
BSU_12619	yzkL	383	288	844	1132	270	596	866	1.3068	0.108581	13	0.033943	20	0.052219321
BSU_18979	yoyA	299	4798	6037	10835	3628	4673	8301	1.3052	0.108813	49	0.16388	47	0.157190635
BSU_04550	ydbP	320	680	630	1310	939	686	1625	0.8063	0.109053	14	0.04375	21	0.065625
BSU_09630	yhdX	107	0	4	4	30	17	47	0.1042	0.109302	1	0.009346	3	0.028037383
BSU_18740	yozG	254	1719	757	2476	617	683	1300	1.9039	0.109416	23	0.090551	21	0.082677165
BSU_07490	fecF	800	2465	2414	4879	1939	1196	3135	1.5561	0.1096	36	0.045	37	0.04625
BSU_07940	mscC	842	763	713	1476	891	1105	1996	0.7396	0.109819	29	0.034442	38	0.045130641
BSU_06960	yesN	1106	899	1612	2511	766	908	1674	1.4997	0.109897	36	0.03255	30	0.027124774
BSU_00400	yabE	1313	6057	3807	9864	4039	3498	7537	1.3087	0.109985	79	0.060168	71	0.054074638
BSU_21730	ypmS	563	824	1015	1839	600	446	1046	1.7574	0.109996	32	0.056838	31	0.055062167
BSU_27250	mccB	1139	460	809	1269	741	724	1465	0.8663	0.11008	27	0.023705	36	0.031606673
BSU_34530	cotR	962	2330	2208	4538	1969	1917	3886	1.1677	0.110241	44	0.045738	57	0.059251559

BSU_23000	ypbE	722	746	601	1347	593	1121	1714	0.786	0.110962	24	0.033241	32	0.04432133
BSU_02800	ycdC	1361	1938	1958	3896	1977	2596	4573	0.852	0.111083	60	0.044085	74	0.054371785
BSU_18870	yozI	365	6963	5610	12573	5141	4521	9662	1.3013	0.111093	55	0.150685	55	0.150684932
BSU_33730	opuBA	1145	2097	2658	4755	3147	2794	5941	0.8004	0.111326	41	0.035808	52	0.045414847
BSU_29530	sppA	1007	1041	581	1622	745	1141	1886	0.8601	0.111471	23	0.02284	32	0.031777557
BSU_31030	yuaE	488	243	38	281	72	282	354	0.7944	0.111572	6	0.012295	11	0.022540984
BSU_15610	sumT	773	574	1392	1966	1132	1321	2453	0.8015	0.111828	26	0.033635	34	0.043984476
BSU_14770	bipA	1838	1149	1204	2353	1187	1218	2405	0.9784	0.111914	50	0.027203	62	0.033732318
BSU_13520	ykrP	1022	1497	1682	3179	1370	1642	3012	1.0554	0.112008	50	0.048924	66	0.064579256
BSU_28890	yscB	665	341	375	716	289	660	949	0.7547	0.112419	10	0.015038	17	0.02556391
BSU_18850	yobD	338	8040	9964	18004	5965	6830	12795	1.4071	0.112435	52	0.153846	51	0.150887574
BSU_04440	dctB	1052	1507	1152	2659	974	627	1601	1.6604	0.112477	35	0.03327	31	0.029467681
BSU_36520	glnK	350	624	137	761	615	523	1138	0.669	0.112723	12	0.034286	17	0.048571429
BSU_40240	yycS	413	4664	4713	9377	3209	4860	8069	1.1621	0.112978	34	0.082324	34	0.082324455
BSU_04460	dctR	680	905	433	1338	1098	996	2094	0.6391	0.113063	22	0.032353	26	0.038235294
BSU_35850	ribZB	860	1934	2016	3950	1136	1359	2495	1.5829	0.113152	43	0.05	41	0.047674419
BSU_24500	yqhP	395	381	404	785	446	762	1208	0.6501	0.113222	17	0.043038	22	0.055696203
BSU_17689		287	4611	4372	8983	2905	3442	6347	1.4152	0.113284	58	0.202091	60	0.209059233
BSU_40820	yyaL	2069	14533	16481	31014	12379	14952	27331	1.1348	0.113585	131	0.063316	132	0.063798937
BSU_30890	cotOO	431	115	390	505	19	262	281	1.7943	0.114211	10	0.023202	6	0.013921114
BSU_31770	yuel	398	955	864	1819	1125	827	1952	0.9319	0.114348	27	0.067839	33	0.082914573
BSU_36090	ywrE	335	1906	2261	4167	3536	2738	6274	0.6642	0.114482	38	0.113433	44	0.131343284
BSU_10410	yhzc	233	1250	579	1829	627	206	833	2.1942	0.114483	17	0.072961	12	0.051502146
BSU_39490	yxen	674	3136	3015	6151	2950	4875	7825	0.7861	0.114686	47	0.069733	55	0.081602374
BSU_34740	crh	257	158	88	246	106	144	250	0.9841	0.114718	5	0.019455	10	0.038910506
BSU_08710	gsaB	1289	2481	2598	5079	3285	3109	6394	0.7944	0.114728	63	0.048875	77	0.05973623
BSU_25460	dnaJ	1127	321	1185	1506	256	2563	2819	0.5344	0.114733	36	0.031943	28	0.02484472
BSU_03190	ycgL	782	742	865	1607	1171	1059	2230	0.7208	0.115001	26	0.033248	31	0.039641944
BSU_30380	bceA	761	504	470	974	551	938	1489	0.6544	0.115267	20	0.026281	28	0.036793693
BSU_14620	slp	374	181	210	391	281	314	595	0.6577	0.115291	9	0.024064	14	0.037433155
BSU_40360	htrC	1202	4567	3967	8534	22350	4820	27170	0.3141	0.115375	64	0.053245	63	0.052412646

BSU_08360	icaC	1088	784	1237	2021	876	724	1600	1.263	0.115728	36	0.033088	49	0.045036765
BSU_28160	hemX	830	50	1188	1238	144	1076	1220	1.0147	0.115768	24	0.028916	33	0.039759036
BSU_25080	yqfX	389	657	527	1184	520	917	1437	0.8241	0.11584	15	0.03856	23	0.059125964
BSU_35430	flgM	266	188	296	484	588	433	1021	0.4746	0.116191	13	0.048872	17	0.063909774
BSU_12480	pghB	602	607	1009	1616	747	865	1612	1.0025	0.116233	25	0.041528	32	0.053156146
BSU_35800	gerBA	1451	2700	3221	5921	2239	2274	4513	1.3119	0.116412	82	0.056513	78	0.05375603
BSU_29080	mutM	830	498	726	1224	415	557	972	1.259	0.116424	13	0.015663	20	0.024096386
BSU_35740	tagD	389	0	25	25	8	31	39	0.65	0.116759	4	0.010283	8	0.020565553
BSU_10330	yhfQ	971	1059	759	1818	1020	796	1816	1.0011	0.11676	27	0.027806	36	0.03707518
BSU_19150	yocB	782	2499	2417	4916	1851	1732	3583	1.3719	0.11695	52	0.066496	51	0.065217391
BSU_40990	nocA	851	3976	4168	8144	3891	2300	6191	1.3154	0.116998	56	0.065805	53	0.062279671
BSU_00290	darA	329	651	410	1061	823	10	833	1.2734	0.117089	13	0.039514	9	0.027355623
BSU_18370	yoeA	1391	2833	2424	5257	3238	2386	5624	0.9348	0.117213	77	0.055356	92	0.066139468
BSU_06350	yebA	2213	4420	5394	9814	5445	6915	12360	0.794	0.117512	101	0.045639	116	0.052417533
BSU_31240	mcpA	1985	1934	2408	4342	1708	2947	4655	0.9328	0.117774	56	0.028212	72	0.03627204
BSU_11910	yjcM	1229	9057	7519	16576	7426	5287	12713	1.3038	0.118168	163	0.132628	165	0.134255492
BSU_31450	kinB	1286	1222	1572	2794	1730	1738	3468	0.8057	0.118369	51	0.039658	59	0.045878694
BSU_31930	ald	1136	678	890	1568	778	1079	1857	0.8445	0.11838	36	0.03169	43	0.037852113
BSU_13060	ykjA	731	1506	581	2087	1144	1756	2900	0.7198	0.118393	34	0.046512	43	0.058823529
BSU_19140	yozB	536	183	296	479	371	156	527	0.9091	0.118452	26	0.048507	34	0.063432836
BSU_04600	ydbT	1481	1056	1622	2678	1451	1372	2823	0.9487	0.118478	50	0.033761	62	0.041863606
BSU_27670	spoVB	1556	1073	1497	2570	1286	1420	2706	0.9498	0.11851	52	0.033419	65	0.041773779
BSU_00750	pabA	584	924	642	1566	204	758	962	1.6272	0.118903	25	0.042808	22	0.037671233
BSU_05660	ydgl	629	905	1034	1939	435	494	929	2.086	0.119076	29	0.046105	29	0.046104928
BSU_13830	ykvU	1337	1832	1756	3588	2060	2478	4538	0.7907	0.11949	51	0.038145	64	0.047868362
BSU_33370	yvgK	926	1045	1121	2166	954	1171	2125	1.0193	0.119509	32	0.034557	43	0.046436285
BSU_23440	spoVAA	620	981	744	1725	2141	748	2889	0.5972	0.119651	25	0.040323	32	0.051612903
BSU_13810	ykvS	185	21	343	364	231	479	710	0.5134	0.119763	8	0.043243	12	0.064864865
BSU_05610	vmIR	1643	3095	3083	6178	2891	3586	6477	0.9538	0.120228	70	0.042605	90	0.054777845
BSU_03790	thrD	1364	1487	2347	3834	1932	680	2612	1.4677	0.120344	47	0.034457	44	0.032258065
BSU_34040	lutB	1439	1299	2504	3803	1412	714	2126	1.7884	0.12037	35	0.024322	45	0.031271716

BSU_misc_R tbolLV	246	326	17	343	388	212	600	0.5724	0.120636	5	0.020325	9	0.036585366
BSU_39360 hutU	1658	2176	2589	4765	1902	2176	4078	1.1684	0.120701	50	0.030157	65	0.03920386
BSU_misc_R mswE	105	50	8	58	201	90	291	0.2021	0.121031	3	0.028571	5	0.047619048
BSU_23240 ypzK	374	307	727	1034	141	154	295	3.4966	0.121043	12	0.032086	8	0.021390374
BSU_03020 ycgA	1433	3205	4332	7537	4053	5320	9373	0.8041	0.121373	63	0.043964	75	0.052337753
BSU_30200 bioB	1007	1420	1025	2445	1109	1389	2498	0.9788	0.121418	32	0.031778	43	0.042701092
BSU_07250 cypD	3185	3515	4229	7744	3804	3788	7592	1.02	0.121496	91	0.028571	107	0.033594976
BSU_05260 ydeN	572	1661	1810	3471	1594	1492	3086	1.1247	0.121514	42	0.073427	39	0.068181818
BSU_26660 yrdN	389	771	996	1767	498	691	1189	1.4857	0.121576	32	0.082262	30	0.077120823
BSU_30100 rmgT	1286	1639	2030	3669	2307	2286	4593	0.7989	0.121598	50	0.03888	63	0.048989114
BSU_32160 sufA	362	202	183	385	302	342	644	0.5984	0.121636	9	0.024862	13	0.035911602
BSU_10690 gerPD	176	139	53	192	503	102	605	0.3185	0.121946	5	0.028409	8	0.045454545
BSU_15600 cysC	593	305	366	671	240	346	586	1.1448	0.122168	10	0.016863	15	0.02529511
BSU_22070 xpt	584	201	302	503	130	156	286	1.7561	0.122499	16	0.027397	12	0.020547945
BSU_32669 yuzN	278	720	581	1301	918	606	1524	0.8538	0.122589	22	0.079137	29	0.104316547
BSU_32880 mdtP	1625	1200	1643	2843	1438	1619	3057	0.93	0.122623	56	0.034462	68	0.041846154
BSU_05220 ydeJ	659	4472	5133	9605	4358	2760	7118	1.3493	0.122629	58	0.088012	52	0.078907436
BSU_misc_R fswA	144	23	103	126	131	25	156	0.8089	0.122694	3	0.020833	6	0.041666667
BSU_38100 ywcH	1001	1888	1262	3150	2741	2217	4958	0.6354	0.122797	44	0.043956	52	0.051948052
BSU_07610 citM	1301	740	1243	1983	1398	1514	2912	0.6811	0.123007	32	0.024596	41	0.03151422
BSU_37440 ywhL	1376	5973	5227	11200	6889	6285	13174	0.8502	0.123203	102	0.074128	112	0.081395349
BSU_12320 yjmC	1013	506	425	931	629	1034	1663	0.5601	0.123368	18	0.017769	26	0.025666338
BSU_35950 rbsC	968	1134	1516	2650	817	447	1264	2.0957	0.123647	42	0.043388	38	0.039256198
BSU_11020 yitK	491	189	137	326	617	202	819	0.3988	0.123662	7	0.014257	11	0.022403259
BSU_37500 speE	830	532	431	963	167	184	351	2.7386	0.123717	30	0.036145	25	0.030120482
BSU_16380 flhB	1082	3032	1792	4824	2326	1312	3638	1.3259	0.124043	53	0.048983	48	0.044362292
BSU_14400 fruA	1907	1689	1323	3012	1306	830	2136	1.4099	0.124166	50	0.026219	64	0.033560566
BSU_19560 yodD	602	211	387	598	412	624	1036	0.5776	0.124449	13	0.021595	17	0.028239203
BSU_12610 xkdG	935	499	398	897	332	153	485	1.8477	0.124488	16	0.017112	11	0.011764706
BSU_11100 nprB	1616	2102	1696	3798	1943	3133	5076	0.7483	0.1248	64	0.039604	73	0.045173267
BSU_02840 ycdG	1685	3492	3617	7109	3540	3270	6810	1.0439	0.124836	69	0.04095	84	0.049851632

BSU_12920	dppA	824	1156	542	1698	1109	843	1952	0.8699	0.124844	26	0.031553	32	0.038834951
BSU_31290	yugT	1664	1807	2174	3981	2730	2046	4776	0.8336	0.124869	65	0.039063	77	0.046274038
BSU_07430	yfmL	1130	1724	1611	3335	1271	1350	2621	1.2723	0.125002	37	0.032743	38	0.033628319
BSU_20460	pghZ	824	2	2	4	10	6	16	0.2941	0.125093	2	0.002427	5	0.006067961
BSU_16940	recA	1046	130	64	194	51	13	64	3	0.125237	15	0.01434	10	0.009560229
BSU_36590	clsA	1448	1892	1896	3788	1994	2707	4701	0.8058	0.125434	73	0.050414	83	0.057320442
BSU_38110	nfrAA	749	2408	1359	3767	2066	1502	3568	1.0558	0.125617	37	0.049399	51	0.068090788
BSU_08150	yfjC	767	1810	2359	4169	1427	557	1984	2.1008	0.125831	43	0.056063	41	0.05345502
BSU_21770	ilvA	1268	1135	1714	2849	1144	1374	2518	1.1314	0.125861	43	0.033912	57	0.044952681
BSU_34400	padC	485	820	692	1512	1142	1174	2316	0.653	0.125884	26	0.053608	33	0.068041237
BSU_23310	sipS	554	627	1165	1792	296	133	429	4.1698	0.125928	22	0.039711	22	0.039711191
BSU_17690	yncM	722	2706	2619	5325	1495	2063	3558	1.4965	0.126368	56	0.077562	54	0.074792244
BSU_11139	yizC	197	6	222	228	11	0	11	19.0833	0.126476	3	0.015228	1	0.005076142
BSU_00640	spolIE	2483	5240	6726	11966	4879	7384	12263	0.9758	0.126849	109	0.043899	130	0.052356021
BSU_27220	yrhE	2942	2547	2578	5125	2127	4107	6234	0.8221	0.126966	89	0.030252	101	0.034330387
BSU_02610	ycbR	731	875	893	1768	653	1301	1954	0.9049	0.127007	22	0.030096	31	0.042407661
BSU_07920	chaA	1055	1206	1062	2268	1527	1266	2793	0.8121	0.127022	30	0.028436	39	0.036966825
BSU_21580	yokI	1715	2	2	4	4	6	10	0.4545	0.12719	2	0.001166	5	0.002915452
BSU_37610	ywzC	224	13	28	41	188	51	239	0.175	0.127195	3	0.013393	5	0.022321429
BSU_21120	yonE	1520	0	4	4	8	2	10	0.4545	0.127252	2	0.001316	5	0.003289474
BSU_29220	maeB	1232	781	883	1664	1400	2108	3508	0.4745	0.127329	36	0.029221	42	0.034090909
BSU_04170	ydaB	1511	2681	2141	4822	2661	2921	5582	0.8639	0.12746	71	0.046989	79	0.052283256
BSU_10009	yhzF	191	461	547	1008	432	935	1367	0.7376	0.127528	10	0.052356	15	0.078534031
BSU_03950	cutJ	1625	404	975	1379	466	191	657	2.0973	0.127598	35	0.021538	31	0.019076923
BSU_12900	htrA	1349	1744	1607	3351	1773	1472	3245	1.0327	0.127612	51	0.037806	64	0.04744255
BSU_07560	peIA	1262	3567	2854	6421	1913	1951	3864	1.6616	0.128034	72	0.057052	74	0.058637084
BSU_30580	ytmA	773	612	380	992	1285	350	1635	0.607	0.128084	21	0.027167	28	0.03622251
BSU_17699	ynzK	356	2269	1814	4083	1165	1459	2624	1.5558	0.128172	48	0.134831	44	0.123595506
BSU_34300	epsH	1034	803	971	1774	1091	1818	2909	0.61	0.128226	31	0.029981	37	0.035783366
BSU_02010	ybdK	962	3643	2637	6280	3676	3649	7325	0.8574	0.128579	67	0.069647	77	0.08004158
BSU_12250	yjKB	752	278	649	927	647	730	1377	0.6734	0.128862	17	0.022606	24	0.031914894

BSU_15570	cysH	701	654	707	1361	1451	703	2154	0.632	0.129227	30	0.042796	34	0.04850214
BSU_14440	panE	911	503	401	904	284	455	739	1.223	0.129236	20	0.021954	30	0.032930845
BSU_13760	ykvN	356	729	318	1047	455	893	1348	0.7769	0.129253	24	0.067416	32	0.08988764
BSU_23970	artQ	659	634	803	1437	1340	829	2169	0.6627	0.129332	33	0.050076	44	0.06676783
BSU_02210	ybfH	920	4127	4799	8926	3634	3679	7313	1.2205	0.129485	63	0.068478	61	0.066304348
BSU_06034	ydzT	158	498	386	884	405	712	1117	0.7916	0.129679	15	0.094937	19	0.120253165
BSU_16860	ymfH	1286	1305	1078	2383	936	1195	2131	1.1182	0.129751	46	0.03577	60	0.046656299
BSU_32720	yurZ	377	89	191	280	643	303	946	0.2967	0.129803	7	0.018568	10	0.026525199
BSU_40550	ppaC	929	6	88	94	23	28	51	1.8269	0.129869	2	0.002153	5	0.005382131
BSU_32900	yusR	389	74	8	82	143	33	176	0.4689	0.129892	4	0.010283	7	0.017994859
BSU_33300	fhuG	1010	749	1214	1963	1099	1196	2295	0.8554	0.12993	31	0.030693	41	0.040594059
BSU_27360	yrpM	653	624	538	1162	183	649	832	1.3962	0.130021	22	0.033691	31	0.047473201
BSU_31945	yukJ	677	1268	777	2045	1263	1677	2940	0.6957	0.130334	31	0.04579	37	0.05465288
BSU_06070	bsuMB	1169	38	13	51	23	6	29	1.7333	0.130407	2	0.001711	5	0.00427716
BSU_29280	ytnM	902	917	570	1487	824	882	1706	0.8717	0.13059	25	0.027716	32	0.035476718
BSU_30910	cotSA	1133	1017	1270	2287	1760	1573	3333	0.6863	0.130644	39	0.034422	46	0.040600177
BSU_35000	hprK	932	1162	1508	2670	880	7575	8455	0.3159	0.130866	30	0.032189	35	0.037553648
BSU_32859	yuzM	245	78	127	205	92	43	135	1.5147	0.130946	5	0.020408	2	0.008163265
BSU_04380	ydaT	452	285	73	358	245	469	714	0.5021	0.131082	13	0.028761	15	0.033185841
BSU_09220	yhcU	395	1463	2108	3571	724	1152	1876	1.903	0.131272	23	0.058228	21	0.053164557
BSU_37270	narH	1463	3037	2421	5458	2750	3828	6578	0.8298	0.131353	58	0.039645	69	0.047163363
BSU_02470	gucD	1466	1633	1930	3563	1699	1324	3023	1.1786	0.131638	39	0.026603	50	0.034106412
BSU_37980	ywdF	806	1700	1571	3271	885	351	1236	2.6451	0.13184	30	0.037221	28	0.034739454
BSU_10480	yhjE	623	400	901	1301	342	370	712	1.8261	0.13197	22	0.035313	18	0.028892456
BSU_16890	ymfKn	452	278	36	314	97	19	116	2.6923	0.132415	17	0.037611	14	0.030973451
BSU_27000	adhR	422	685	1112	1797	393	426	819	2.1927	0.132501	27	0.063981	26	0.061611374
BSU_30720	ythB	1040	967	1230	2197	1144	1356	2500	0.8788	0.132647	45	0.043269	54	0.051923077
BSU_30150	rmgR	2318	1717	1341	3058	1572	1318	2890	1.0581	0.132682	56	0.024159	72	0.03106126
BSU_05850	gmuR	713	3167	2676	5843	4688	4922	9610	0.6081	0.13269	53	0.074334	53	0.074333801
BSU_25600	comER	821	897	1506	2403	1257	2076	3333	0.7211	0.133213	39	0.047503	53	0.06455542
BSU_26420	yrkQ	1298	2626	2728	5354	3487	2006	5493	0.9747	0.13357	74	0.057011	89	0.068567026

BSU_22620	hisC	1082	966	1382	2348	3430	902	4332	0.5421	0.133619	30	0.027726	36	0.033271719
BSU_19670	yodN	680	1489	1494	2983	1136	1618	2754	1.0831	0.133657	39	0.057353	50	0.073529412
BSU_01660	nagZ	1928	1265	1453	2718	2274	1763	4037	0.6734	0.13375	50	0.025934	59	0.03060166
BSU_28690	glcF	1334	771	553	1324	551	1231	1782	0.7431	0.133762	29	0.021739	37	0.027736132
BSU_misc_R	tswB	112	0	71	71	79	85	164	0.4364	0.133772	2	0.017857	5	0.044642857
BSU_33550	yvaC	1895	1528	1446	2974	1909	1794	3703	0.8032	0.134593	49	0.025858	57	0.030079156
BSU_03600	tcyB	704	939	920	1859	1178	1212	2390	0.7779	0.134616	28	0.039773	34	0.048295455
BSU_misc_R	surC	90	0	17	17	105	54	159	0.1125	0.13485	1	0.011111	3	0.033333333
BSU_37190	clsB	1196	2701	3047	5748	2774	2481	5255	1.0938	0.134884	57	0.047659	71	0.059364548
BSU_25610	yqeM	743	431	1030	1461	288	223	511	2.8555	0.135119	22	0.02961	20	0.0269179
BSU_28475	lysCB	491	212	425	637	337	302	639	0.9969	0.135375	13	0.026477	17	0.034623218
BSU_02390	ilvE	1070	2260	3179	5439	2311	3068	5379	1.0112	0.135451	62	0.057944	53	0.04953271
BSU_06076	ydZWml	416	4356	3748	8104	4014	2852	6866	1.1803	0.135585	38	0.091346	35	0.084134615
BSU_29120	mdh	938	333	391	724	712	444	1156	0.6266	0.135655	20	0.021322	27	0.028784648
BSU_19250	yocL	332	1565	2171	3736	1061	1710	2771	1.3481	0.135861	24	0.072289	22	0.06626506
BSU_04490	ydbJ	926	561	422	983	121	130	251	3.9048	0.135951	18	0.019438	16	0.017278618
BSU_40580	yybN	437	58960	66016	124976	38749	69559	108308	1.1539	0.135968	88	0.201373	88	0.201372998
BSU_26990	yraD	299	560	451	1011	168	350	518	1.9499	0.136065	16	0.053512	13	0.043478261
BSU_14680	ykzC	428	93	394	487	214	559	773	0.6305	0.136132	9	0.021028	13	0.030373832
BSU_03000	opuAC	881	1425	942	2367	926	2183	3109	0.7614	0.136143	34	0.038593	45	0.05107832
BSU_25450	prmA	935	630	511	1141	324	85	409	2.7854	0.136486	26	0.027807	24	0.025668449
BSU_28330	ysnE	455	191	246	437	401	340	741	0.5903	0.136486	13	0.028571	18	0.03956044
BSU_32770	yusE	320	652	679	1331	960	507	1467	0.9074	0.13653	16	0.05	23	0.071875
BSU_17990	sspO	146	126	59	185	117	125	242	0.7654	0.136571	3	0.020548	7	0.047945205
BSU_29910	ytzH	278	297	228	525	594	418	1012	0.5192	0.136622	11	0.039568	15	0.053956835
BSU_14660	ykzI	188	179	101	280	246	367	613	0.4577	0.136647	6	0.031915	9	0.04787234
BSU_08390	bstA	536	471	631	1102	1154	1271	2425	0.4547	0.13682	20	0.037313	24	0.044776119
BSU_17500	ynaB	434	4526	5724	10250	3131	5421	8552	1.1985	0.136892	69	0.158986	68	0.156682028
BSU_26380	yqaB	518	3814	4218	8032	2596	3692	6288	1.2773	0.136912	55	0.106178	53	0.102316602
BSU_29390	snaA	536	537	1011	1548	480	640	1120	1.3818	0.136955	21	0.039179	16	0.029850746
BSU_08890	ygaO	473	560	457	1017	776	567	1343	0.7574	0.136983	19	0.040169	26	0.054968288

BSU_31520	maeL	1601	1526	2009	3535	1547	1707	3254	1.0863	0.13712	60	0.037477	76	0.047470331
BSU_19380	yojO	1916	1237	2611	3848	1148	1282	2430	1.5833	0.137328	53	0.027662	70	0.036534447
BSU_07110	lplB	956	1372	3208	4580	1635	2880	4515	1.0144	0.137427	32	0.033473	40	0.041841004
BSU_06480	purL	2228	2973	1954	4927	2764	2219	4983	0.9888	0.137484	73	0.032765	92	0.041292639
BSU_14640	yktA	266	391	143	534	773	583	1356	0.3943	0.137511	6	0.022556	9	0.033834586
BSU_36270	ywqB	1610	1841	3350	5191	1935	3068	5003	1.0376	0.137553	60	0.037267	74	0.045962733
BSU_40070	gntP	1346	3418	5411	8829	3227	4523	7750	1.1392	0.137679	79	0.058692	74	0.054977712
BSU_39410	nupC	1181	3175	4117	7292	5337	3874	9211	0.7917	0.137794	66	0.055885	77	0.065198984
BSU_26827		161	775	712	1487	391	824	1215	1.2237	0.138093	19	0.118012	14	0.086956522
BSU_04680	rsbS	365	1903	881	2784	920	814	1734	1.6052	0.13819	24	0.065753	22	0.060273973
BSU_03030	ycgB	581	807	686	1493	575	1006	1581	0.9444	0.138354	22	0.037866	30	0.051635112
BSU_14310	moaD	233	368	475	843	569	178	747	1.1283	0.138461	18	0.077253	15	0.064377682
BSU_27030	sacC	2033	2833	1800	4633	2119	2626	4745	0.9764	0.138611	70	0.034432	84	0.041318249
BSU_30530	ytnA	1391	1316	1960	3276	2320	977	3297	0.9936	0.138631	54	0.038821	44	0.031631919
BSU_34120	ganB	1289	1799	2387	4186	2813	2327	5140	0.8144	0.13882	52	0.040341	63	0.048875097
BSU_05529	ydzR	230	351	738	1089	864	312	1176	0.9261	0.138925	12	0.052174	18	0.07826087
BSU_11030	yitL	896	1380	1296	2676	693	1355	2048	1.3065	0.139001	45	0.050223	40	0.044642857
BSU_16080	ylqH	281	131	151	282	533	111	644	0.4388	0.139157	6	0.021352	11	0.039145907
BSU_12360	exuT	1268	434	1109	1543	1044	1012	2056	0.7506	0.13916	25	0.019716	31	0.02444795
BSU_23070	serA	1577	928	1613	2541	959	1574	2533	1.0032	0.139298	53	0.033608	66	0.041851617
BSU_10280	yhfM	395	353	395	748	685	398	1083	0.691	0.139315	11	0.027848	17	0.043037975
BSU_07130	lplD	1340	3173	2851	6024	2561	2890	5451	1.1051	0.139511	48	0.035821	62	0.046268657
BSU_06839	phrH	173	966	879	1845	699	641	1340	1.3766	0.139591	17	0.098266	15	0.086705202
BSU_03789	yczN	113	623	411	1034	91	354	445	2.3206	0.139614	14	0.123894	11	0.097345133
BSU_14830	glsB	929	794	1006	1800	1216	1157	2373	0.7586	0.139723	43	0.046286	53	0.057050592
BSU_25880	yqxJ	362	274	719	993	131	500	631	1.5728	0.139764	25	0.069061	22	0.060773481
BSU_22610	tyrA	1115	766	651	1417	3767	601	4368	0.3246	0.139778	33	0.029596	39	0.034977578
BSU_22169	ypzG	152	80	106	186	580	331	911	0.205	0.139834	5	0.032895	8	0.052631579
BSU_24110	yqzF	236	215	234	449	213	890	1103	0.4076	0.139987	9	0.038136	12	0.050847458
BSU_09500	asiMB	290	114	269	383	105	208	313	1.2229	0.140327	13	0.044828	9	0.031034483
BSU_06710	srfP	3158	4657	7182	11839	2887	5327	8214	1.4413	0.14036	133	0.042115	133	0.042115263

BSU_misc_R tboW	247	1383	621	2004	431	388	819	2.4451	0.14065	15	0.060729	13	0.052631579
BSU_07140 yetF	695	965	807	1772	880	997	1877	0.9441	0.141255	31	0.044604	41	0.058992806
BSU_32280 yutG	500	242	205	447	178	681	859	0.5209	0.141541	15	0.03	18	0.036
BSU_28270 leuB	1097	1320	301	1621	1013	369	1382	1.1728	0.141584	30	0.027347	39	0.035551504
BSU_33030 yuxN	875	848	1631	2479	1181	1052	2233	1.1101	0.141815	37	0.042286	52	0.059428571
BSU_17670 cotU	260	3319	3039	6358	2499	2291	4790	1.3273	0.14204	54	0.207692	57	0.219230769
BSU_25480 grpE	563	141	178	319	119	273	392	0.8142	0.142071	8	0.01421	12	0.021314387
BSU_33450 helD	2324	3237	3054	6291	3081	4303	7384	0.852	0.142209	95	0.040878	107	0.046041308
BSU_09560 cueR	431	1183	577	1760	1690	502	2192	0.803	0.142464	20	0.046404	28	0.064965197
BSU_37590 ywgA	500	356	526	882	582	191	773	1.1408	0.142554	20	0.04	15	0.03
BSU_15390 sepF	455	475	252	727	35	51	86	8.3678	0.142634	11	0.024176	8	0.017582418
BSU_04630 ydcC	1016	1349	2144	3493	1785	767	2552	1.3686	0.142845	52	0.051181	49	0.048228346
BSU_12649 ykzM	218	311	281	592	281	506	787	0.7525	0.143065	7	0.03211	11	0.050458716
BSU_11690 thiG	770	355	464	819	313	402	715	1.1453	0.143096	16	0.020779	11	0.014285714
BSU_34210 yvfG	218	315	333	648	535	407	942	0.6882	0.143124	9	0.041284	13	0.059633028
BSU_19110 yobW	545	1126	550	1676	1557	675	2232	0.751	0.143448	29	0.053211	34	0.062385321
BSU_34265 epsK	1517	1553	1872	3425	1383	1672	3055	1.1211	0.143535	51	0.033619	67	0.044166117
BSU_03240 ycgQ	857	1476	1257	2733	2219	1379	3598	0.7597	0.143776	41	0.047841	50	0.058343057
BSU_13120 proB	1097	374	361	735	1271	1119	2390	0.3078	0.143948	27	0.024613	30	0.027347311
BSU_35640 lytA	308	9864	10311	20175	9494	7887	17381	1.1607	0.144096	52	0.168831	55	0.178571429
BSU_01560 kbaA	596	1138	1385	2523	1518	1228	2746	0.9188	0.144103	36	0.060403	48	0.080536913
BSU_02760 natB	1160	1952	2623	4575	1548	1887	3435	1.3318	0.144306	49	0.042241	44	0.037931034
BSU_32400 yunG	347	594	387	981	697	424	1121	0.8752	0.144565	12	0.034582	16	0.04610951
BSU_30470 ytzC	272	329	638	967	531	584	1115	0.8674	0.144577	17	0.0625	22	0.080882353
BSU_39160 yxii	488	2933	2520	5453	2675	1410	4085	1.3348	0.144805	42	0.086066	43	0.088114754
BSU_03800 pbtN	950	3368	1580	4948	1426	1429	2855	1.7328	0.145029	59	0.062105	58	0.061052632
BSU_34930 hisZ	1175	1311	1230	2541	1783	1122	2905	0.8747	0.145101	35	0.029787	45	0.038297872
BSU_32410 pucH	1340	1048	1267	2315	1532	1355	2887	0.8019	0.145308	33	0.024627	40	0.029850746
BSU_30630 rppG	476	431	279	710	1804	176	1980	0.3589	0.145491	16	0.033613	20	0.042016807
BSU_21700 ypoP	425	300	469	769	163	250	413	1.8599	0.145578	18	0.042353	15	0.035294118
BSU_29110 phoP	722	202	1059	1261	1098	1032	2130	0.5922	0.145721	25	0.034626	31	0.042936288

BSU_03340	folEB	914	1105	845	1950	1217	1132	2349	0.8302	0.145865	24	0.026258	30	0.032822757
BSU_19120	czrA	323	342	764	1106	532	725	1257	0.88	0.146049	12	0.037152	17	0.052631579
BSU_31820	yuzF	236	184	427	611	456	391	847	0.7217	0.14606	16	0.067797	21	0.088983051
BSU_16420	cheB	1073	715	662	1377	1035	897	1932	0.7129	0.146086	30	0.027959	37	0.034482759
BSU_29070	spcF	632	648	830	1478	735	291	1026	1.4401	0.146126	29	0.045886	23	0.036392405
BSU_01630	feuA	953	1455	604	2059	1920	967	2887	0.7133	0.146173	37	0.038825	44	0.04616999
BSU_19260	yocM	476	466	765	1231	437	329	766	1.6063	0.146191	24	0.05042	20	0.042016807
BSU_33870	yvbl	698	2145	1947	4092	2645	2327	4972	0.823	0.146412	42	0.060172	50	0.071633238
BSU_32020	yuiH	596	597	618	1215	781	512	1293	0.9397	0.146539	24	0.040268	31	0.052013423
BSU_32540	bsnA	866	921	766	1687	1249	897	2146	0.7862	0.146643	28	0.032333	34	0.03926097
BSU_25130	nfo	893	1264	990	2254	1454	868	2322	0.9707	0.146707	34	0.038074	45	0.050391937
BSU_13860	papB	1091	1267	1060	2327	975	1568	2543	0.9151	0.14679	27	0.024748	35	0.03208066
BSU_12500	xkdA	596	538	670	1208	1094	1121	2215	0.5456	0.146792	24	0.040268	28	0.046979866
BSU_09330	yhcZ	644	296	948	1244	305	725	1030	1.2076	0.146793	25	0.03882	21	0.032608696
BSU_09680	nhaC	1361	1740	818	2558	1186	764	1950	1.3116	0.14706	40	0.02939	52	0.038207201
BSU_22590	ypiA	1271	1157	1236	2393	492	471	963	2.4834	0.147266	40	0.031471	36	0.028324154
BSU_39920	asnH	2243	23589	20765	44354	26420	20831	47251	0.9387	0.147294	221	0.098529	232	0.103432902
BSU_05960	moaC	512	976	390	1366	809	1333	2142	0.6379	0.147544	27	0.052734	32	0.0625
BSU_32000	dhbA	785	1569	934	2503	1253	1261	2514	0.9956	0.147751	28	0.035669	38	0.048407643
BSU_12080	ctaO	989	1498	1212	2710	1612	1848	3460	0.7833	0.147906	46	0.046512	54	0.054600607
BSU_24080	bcd	1094	495	892	1387	882	644	1526	0.909	0.14791	30	0.027422	38	0.034734918
BSU_27840	safA	1163	1715	1354	3069	2137	1579	3716	0.8259	0.14805	51	0.043852	60	0.051590714
BSU_36660	ureA	317	328	392	720	196	260	456	1.5777	0.14806	15	0.047319	12	0.03785489
BSU_33440	cysJ	1817	1236	1543	2779	1208	1711	2919	0.9521	0.14836	43	0.023665	52	0.028618602
BSU_30990	thiT	578	649	1110	1759	1536	1533	3069	0.5733	0.148536	36	0.062284	39	0.067474048
BSU_40860	yyaH	380	2638	1817	4455	3447	1188	4635	0.9612	0.148629	34	0.089474	31	0.081578947
BSU_31990	dhbC	1196	634	881	1515	1036	462	1498	1.0113	0.148867	14	0.011706	20	0.016722408
BSU_misc_R	mshG	138	8	151	159	0	14	14	10.6667	0.148868	5	0.036232	3	0.02173913
BSU_07910	yfkF	1175	872	258	1130	572	196	768	1.4707	0.149359	21	0.017872	28	0.023829787
BSU_17610	xyIB	1499	4804	7115	11919	3914	5059	8973	1.3283	0.149434	115	0.076718	111	0.074049366
BSU_06460	purS	254	571	606	1177	696	907	1603	0.7344	0.149626	16	0.062992	20	0.078740157

BSU_33470	bdbC	416	361	894	1255	530	903	1433	0.8759	0.149743	22	0.052885	30	0.072115385
BSU_34399		191	617	945	1562	980	803	1783	0.8761	0.149798	20	0.104712	15	0.078534031
BSU_05880	gmuG	1088	2612	2470	5082	2358	2671	5029	1.0105	0.1498	58	0.053309	71	0.065257353
BSU_22750	menG	701	34	532	566	22	47	69	8.1	0.149956	14	0.019971	12	0.017118402
BSU_33400	pgoN	830	862	842	1704	930	783	1713	0.9947	0.149973	28	0.033735	39	0.046987952
BSU_11410	yjbA	752	749	389	1138	471	1000	1471	0.7738	0.150014	26	0.034574	31	0.041223404
BSU_09480	yhdl	1409	1429	2135	3564	2436	2019	4455	0.8	0.150499	60	0.042583	64	0.045422285
BSU_33290	fhuC	809	1102	909	2011	1304	1351	2655	0.7575	0.150661	31	0.038319	39	0.048207664
BSU_36440	ywoH	413	176	301	477	367	240	607	0.7862	0.150819	12	0.029056	17	0.041162228
BSU_07020	rhgT	698	568	1065	1633	562	468	1030	1.5849	0.150896	21	0.030086	20	0.028653295
BSU_27480	recDB	2396	1669	1716	3385	738	681	1419	2.3845	0.151097	65	0.027129	64	0.026711185
BSU_38120	rodA	1181	10	162	172	4	2	6	24.7143	0.151545	6	0.00508	3	0.00254022
BSU_35090	pchE	1211	2957	2387	5344	2598	2507	5105	1.0468	0.151691	61	0.050372	74	0.061106524
BSU_35380	fliW	431	175689	841	176530	1392	1344	2736	64.498	0.151693	22	0.051044	28	0.064965197
BSU_37070	rpmEA	200	6	63	69	60	83	143	0.4861	0.151941	4	0.02	7	0.035
BSU_29370	tcyK	812	472	844	1316	746	875	1621	0.812	0.152041	31	0.038177	37	0.045566502
BSU_33650	yvzC	233	448	232	680	425	656	1081	0.6294	0.152051	12	0.051502	17	0.072961373
BSU_37730	bacB	707	1091	1685	2776	1158	1213	2371	1.1707	0.152209	29	0.041018	40	0.056577086
BSU_00840	mcsA	557	1150	1726	2876	1298	1862	3160	0.9102	0.152591	32	0.057451	39	0.070017953
BSU_12450	yjpA	257	921	561	1482	1027	974	2001	0.7408	0.152686	10	0.038911	14	0.054474708
BSU_02585		134	248	404	652	211	144	355	1.8343	0.15274	9	0.067164	7	0.052238806
BSU_27280	yrpT	641	372	727	1099	722	332	1054	1.0427	0.152869	17	0.026521	24	0.037441498
BSU_22730	ndk	449	139	184	323	236	72	308	1.0485	0.152916	9	0.020045	14	0.031180401
BSU_07880	yfkJ	470	673	326	999	455	495	950	1.0515	0.153047	13	0.02766	19	0.040425532
BSU_13799	yzrR	251	795	704	1499	591	515	1106	1.355	0.153056	20	0.079681	16	0.06374502
BSU_28610	zapA	257	252	139	391	171	19	190	2.0524	0.1531	12	0.046693	10	0.038910506
BSU_05240	ydeL	1391	5127	6708	11835	4863	4029	8892	1.3309	0.153197	101	0.07261	104	0.074766355
BSU_34670	yvdA	593	681	614	1295	790	500	1290	1.0039	0.153444	17	0.028668	22	0.037099494
BSU_03160	ycgJ	761	947	428	1375	811	686	1497	0.9186	0.153495	21	0.027595	28	0.036793693
BSU_08440	szxY	977	351	1202	1553	1374	775	2149	0.7228	0.153828	41	0.041965	47	0.048106448
BSU_08880	rpsNB	269	201	382	583	553	416	969	0.6021	0.153861	7	0.026022	11	0.040892193

BSU_02820	rapJ	1121	2277	2898	5175	1757	2303	4060	1.2746	0.153885	71	0.063336	69	0.061552186
BSU_25970	yqcA	578	978	1666	2644	1812	1234	3046	0.8681	0.153928	35	0.060554	41	0.070934256
BSU_23560	mleN	1406	2445	4077	6522	2303	2269	4572	1.4264	0.154016	89	0.0633	91	0.0647222617
BSU_37690	bacF	1199	1039	1221	2260	700	571	1271	1.7775	0.154192	33	0.027523	27	0.022518766
BSU_17700	cotC	200	3048	2769	5817	1849	2717	4566	1.2739	0.15423	49	0.245	50	0.25
BSU_28099	yszA	191	19	147	166	91	157	248	0.6707	0.154488	3	0.015707	6	0.031413613
BSU_02970	yceK	302	113	297	410	419	238	657	0.6246	0.154679	9	0.029801	14	0.046357616
BSU_31130	yubD	1535	2139	2732	4871	2745	2691	5436	0.8961	0.154698	76	0.049511	88	0.05732899
BSU_22019	ypzF	146	11	53	64	37	152	189	0.3421	0.154712	2	0.013699	4	0.02739726
BSU_37510	pbpG	2075	2590	2360	4950	2681	2451	5132	0.9645	0.154813	68	0.032771	77	0.037108434
BSU_29420	ytkK	767	560	562	1122	730	775	1505	0.7457	0.154921	20	0.026076	25	0.032594524
BSU_33200	yvrE	878	1110	926	2036	934	581	1515	1.3437	0.154925	25	0.028474	34	0.038724374
BSU_01650	ybbC	1244	1877	1236	3113	1706	1465	3171	0.9817	0.155031	41	0.032958	50	0.040192926
BSU_05320	ydeS	596	2289	1747	4036	2431	2330	4761	0.8478	0.155138	39	0.065436	47	0.07885906
BSU_29750	aroX	1076	47	23	70	21	65	86	0.8161	0.155316	6	0.005576	10	0.00929368
BSU_22510	ypjC	872	570	438	1008	460	1855	2315	0.4357	0.155674	20	0.022936	26	0.029816514
BSU_35600	tuaB	1451	3636	4251	7887	5277	8490	13767	0.5729	0.155724	90	0.062026	93	0.064093728
BSU_34960	hprF	518	721	747	1468	392	622	1014	1.4473	0.155846	23	0.044402	18	0.034749035
BSU_12370	exuR	1001	1259	1245	2504	1029	1017	2046	1.2237	0.155978	38	0.037962	48	0.047952048
BSU_36668	ywzE	164	192	67	259	83	42	125	2.0635	0.156008	8	0.04878	5	0.030487805
BSU_38850	yxkC	542	3641	4927	8568	3364	4931	8295	1.0329	0.156067	70	0.129151	69	0.127306273
BSU_01800	alkA	911	2587	2843	5430	2729	3139	5868	0.9254	0.156363	73	0.080132	83	0.091108672
BSU_19690	kamA	1415	1662	1123	2785	2308	1430	3738	0.7451	0.156404	45	0.031802	55	0.038869258
BSU_20480	yoqX	221	0	2	2	0	6	6	0.4286	0.156408	1	0.004525	3	0.013574661
BSU_21010	yonS	611	2	0	2	4	4	8	0.3333	0.156422	1	0.001637	3	0.004909984
BSU_25160	ispH	944	2	0	2	75	2	77	0.0385	0.156709	1	0.001059	3	0.003177966
BSU_04430	ydbD	821	1009	1250	2259	683	738	1421	1.5893	0.156787	26	0.031669	21	0.025578563
BSU_21510	yolD	332	2	0	2	4	2	6	0.4286	0.156816	1	0.003012	3	0.009036145
BSU_38780	yxkI	1688	3936	6655	10591	3962	3872	7834	1.3519	0.15695	87	0.05154	88	0.052132701
BSU_00700	coaX	776	2555	2382	4937	3288	5211	8499	0.5809	0.156972	60	0.07732	62	0.079896907
BSU_16760	dapG	1214	0	2	2	77	0	77	0.0385	0.156994	1	0.000824	3	0.00247117

BSU_16270	fliK	1463	1143	835	1978	853	779	1632	1.2119	0.157061	33	0.022556	45	0.030758715
BSU_11340	fabF	1241	67	0	67	0	2	2	22.6667	0.157133	3	0.002417	1	0.000805802
BSU_25670	rgpH	1100	0	2	2	2	229	231	0.0129	0.157183	1	0.000909	3	0.002727273
BSU_40800	yyaN	416	12601	11696	24297	10031	12110	22141	1.0974	0.157218	62	0.149038	62	0.149038462
BSU_15280	ftsA	1322	8	2	10	2	0	2	3.6667	0.157273	3	0.002269	1	0.00075643
BSU_09965	yhaJ	518	1143	1333	2476	3497	1229	4726	0.524	0.157276	32	0.061776	36	0.069498069
BSU_13530	kinE	2216	1409	2499	3908	2188	2165	4353	0.8978	0.157288	72	0.032491	83	0.037454874
BSU_14690	yktD	914	769	1148	1917	804	719	1523	1.2585	0.157296	24	0.026258	33	0.036105033
BSU_26040	yqbNn	437	174	252	426	262	308	570	0.7478	0.157321	10	0.022883	14	0.032036613
BSU_20070	nrdIB	395	2	0	2	4	2	6	0.4286	0.157661	1	0.002532	3	0.007594937
BSU_29820	ytpR	605	287	529	816	842	440	1282	0.6368	0.157809	22	0.036364	25	0.041322314
BSU_38200	galK	1172	2184	2589	4773	2645	2802	5447	0.8763	0.157837	53	0.045222	65	0.055460751
BSU_20010	yosT	449	2	4	6	0	2	2	2.3333	0.157888	3	0.006682	1	0.002227171
BSU_24200	yqiH	293	277	135	412	117	184	301	1.3675	0.158118	12	0.040956	8	0.027303754
BSU_29440	argH	1385	489	858	1347	885	1536	2421	0.5566	0.158235	30	0.021661	35	0.025270758
BSU_21250	yomR	1217	2	4	6	0	2	2	2.3333	0.158313	3	0.002465	1	0.000821693
BSU_20360	yorJ	1136	0	2	2	2	4	6	0.4286	0.158321	1	0.00088	3	0.002640845
BSU_13620	mtnD	536	251	577	828	348	733	1081	0.7662	0.158326	16	0.029851	23	0.042910448
BSU_04800	ycdL	1106	0	2	2	4	2	6	0.4286	0.158341	1	0.000904	3	0.002712477
BSU_20790	yopR	977	2	4	6	2	0	2	2.3333	0.15836	3	0.003071	1	0.001023541
BSU_06430	purK	1142	2680	1528	4208	1347	8640	9987	0.4214	0.158391	40	0.035026	45	0.039404553
BSU_20350	yorK	1730	6	0	6	2	0	2	2.3333	0.158425	3	0.001734	1	0.000578035
BSU_15710	priA	2417	366	0	366	179	29	208	1.756	0.158657	3	0.001241	6	0.002482416
BSU_11515		140	825	480	1305	287	714	1001	1.3034	0.159042	16	0.114286	12	0.085714286
BSU_11560	yjbl	398	194	589	783	55	101	156	4.9936	0.159105	12	0.030151	9	0.022613065
BSU_40440	dnaC	1364	0	76	76	2	81	83	0.9167	0.159137	1	0.000733	3	0.002199413
BSU_26760	yrdC	563	4814	5900	10714	5565	4049	9614	1.1144	0.159352	71	0.12611	68	0.120781528
BSU_31600	mrpA	2405	0	0	0	0	2	2	0.3333	0.159633	0	0	1	0.0004158
BSU_03651	bsdD	227	635	599	1234	291	712	1003	1.2301	0.159671	11	0.048458	10	0.044052863
BSU_28090	valS	2642	0	0	0	0	8	8	0.1111	0.159692	0	0	1	0.000378501
BSU_13250	ykoG	686	1336	1389	2725	896	1417	2313	1.178	0.159713	38	0.055394	34	0.049562682

BSU_08260	yfiG	1448	934	1037	1971	1657	932	2589	0.7614	0.159838	46	0.031768	52	0.035911602
BSU_27410	alaS	2636	0	23	23	0	0	0	24	0.160018	1	0.000379	0	0
BSU_03560	ycxD	1334	1487	2068	3555	1670	2490	4160	0.8546	0.160029	55	0.041229	60	0.044977511
BSU_04860	conQ	1442	0	0	0	0	2	2	0.3333	0.160034	0	0	1	0.000693481
BSU_01360	secY	1295	2	0	2	0	0	0	3	0.160117	1	0.000772	0	0
BSU_24270	dxs	1901	0	0	0	0	11	11	0.0833	0.160117	0	0	1	0.000526039
BSU_20400	yorF	914	2	0	2	0	0	0	3	0.160232	1	0.001094	0	0
BSU_21360	yomH	758	2	0	2	0	0	0	3	0.160296	1	0.001319	0	0
BSU_misc_R	tboY	273	0	82	82	0	244	244	0.3388	0.160302	4	0.014652	7	0.025641026
BSU_33410	yvgO	485	530	503	1033	438	1253	1691	0.6111	0.16034	20	0.041237	27	0.055670103
BSU_rRNA_1	rrnB-16S	1554	0	2	2	0	0	0	3	0.160441	1	0.000644	0	0
BSU_01130	tufA	1190	0	0	0	2	0	2	0.3333	0.160468	0	0	1	0.000840336
BSU_04870	nicK	1058	0	2	2	0	0	0	3	0.160495	1	0.000945	0	0
BSU_21150	yonB	1016	2	0	2	0	0	0	3	0.160615	1	0.000984	0	0
BSU_36760	murAA	1310	11	0	11	0	0	0	12	0.16075	1	0.000763	0	0
BSU_00510	prs	953	29	0	29	0	0	0	30	0.160825	1	0.001049	0	0
BSU_21100	yonG	920	4	0	4	0	0	0	5	0.160865	1	0.001087	0	0
BSU_21210	yomV	710	0	0	0	0	2	2	0.3333	0.160865	0	0	1	0.001408451
BSU_15220	murG	1091	0	2	2	0	0	0	3	0.160906	1	0.000917	0	0
BSU_15700	coaBC	1220	2	0	2	0	0	0	3	0.160906	1	0.00082	0	0
BSU_11850	yjcG	515	775	937	1712	775	382	1157	1.4793	0.160914	18	0.034951	26	0.050485437
BSU_01880	ybcI	374	1987	2155	4142	1504	1657	3161	1.3102	0.160936	44	0.117647	42	0.112299465
BSU_misc_R	surA	280	588	507	1095	495	676	1171	0.9352	0.161043	13	0.046429	18	0.064285714
BSU_25270	glyQ	887	0	0	0	0	2	2	0.3333	0.161087	0	0	1	0.001127396
BSU_26749	yrdDm	200	723	512	1235	663	312	975	1.2664	0.161221	21	0.105	16	0.08
BSU_21590	yokH	557	2	0	2	0	0	0	3	0.161243	1	0.001795	0	0
BSU_21640	yokC	515	0	0	0	2	0	2	0.3333	0.161243	0	0	1	0.001941748
BSU_04810	immA	509	4	0	4	0	0	0	5	0.1613	1	0.001965	0	0
BSU_32690	sufS	1220	0	0	0	0	2	2	0.3333	0.1613	0	0	1	0.000819672
BSU_01030	rplA	698	0	0	0	0	4	4	0.2	0.161359	0	0	1	0.001432665
BSU_12875		146	17	326	343	217	212	429	0.8	0.161396	5	0.034247	9	0.061643836

BSU_15950	ftsY	989	2	0	2	0	0	0	3	0.161421	1	0.001011	0	0
BSU_19830	yotM	587	0	0	0	0	2	2	0.3333	0.161421	0	0	1	0.001703578
BSU_21190	yomX	650	0	0	0	2	0	2	0.3333	0.161421	0	0	1	0.001538462
BSU_21560	yokK	578	2	0	2	0	0	0	3	0.161485	1	0.00173	0	0
BSU_06690	gatB	1430	0	0	0	36	0	36	0.027	0.161624	0	0	1	0.000699301
BSU_03360	zinU	1193	1900	1554	3454	2223	1236	3459	0.9986	0.161664	36	0.030176	46	0.038558256
BSU_21200	yomW	506	0	0	0	2	0	2	0.3333	0.161699	0	0	1	0.001976285
BSU_37010	prfA	1070	0	0	0	0	2	2	0.3333	0.161699	0	0	1	0.000934579
BSU_21080	yonI	410	0	0	0	2	0	2	0.3333	0.161777	0	0	1	0.002439024
BSU_16500	tsf	881	0	0	0	2	0	2	0.3333	0.16186	0	0	1	0.001135074
BSU_25560	holA	1043	0	23	23	0	0	0	24	0.16186	1	0.000959	0	0
BSU_28640	pheS	1034	0	0	0	0	49	49	0.02	0.16186	0	0	1	0.000967118
BSU_01310	rplF	539	0	0	0	0	2	2	0.3333	0.161947	0	0	1	0.001855288
BSU_20560	yoqO	374	0	2	2	0	0	0	3	0.161947	1	0.002674	0	0
BSU_01280	rplE	539	0	2	2	0	0	0	3	0.162039	1	0.001855	0	0
BSU_15910	fabG	740	0	0	0	6	0	6	0.1429	0.162039	0	0	1	0.001351351
BSU_16490	rpsB	740	0	0	0	2	0	2	0.3333	0.162039	0	0	1	0.001351351
BSU_16510	pyrH	722	0	0	0	0	2	2	0.3333	0.162039	0	0	1	0.001385042
BSU_21540	yolA	467	0	0	0	2	0	2	0.3333	0.162039	0	0	1	0.002141328
BSU_04280	epsK	851	0	0	0	0	2	2	0.3333	0.162137	0	0	1	0.001175088
BSU_25640	nadD	569	0	2	2	0	0	0	3	0.162137	1	0.001757	0	0
BSU_08650	fabL	752	0	0	0	9	0	9	0.1	0.16224	0	0	1	0.001329787
BSU_40280	yycO	737	4989	4893	9882	3462	4150	7612	1.2982	0.16228	59	0.080054	61	0.082767978
BSU_16520	frr	557	0	0	0	0	2	2	0.3333	0.162349	0	0	1	0.001795332
BSU_20830	yopN	317	0	0	0	0	2	2	0.3333	0.162349	0	0	1	0.003154574
BSU_20970	yonX	506	0	0	0	0	2	2	0.3333	0.162349	0	0	1	0.001976285
BSU_32150	paiA	518	587	1360	1947	781	1196	1977	0.9848	0.162385	29	0.055985	37	0.071428571
BSU_01330	rpsE	500	0	0	0	0	2	2	0.3333	0.162466	0	0	1	0.002
BSU_03130	nadE	818	0	0	0	4	0	4	0.2	0.162466	0	0	1	0.001222494
BSU_15230	murB	911	0	0	0	2	0	2	0.3333	0.162466	0	0	1	0.001097695
BSU_21160	yonA	470	2	0	2	0	0	0	3	0.162466	1	0.002128	0	0

BSU_04990	yddJ	380	0	0	0	2	0	2	0.3333	0.162589	0	0	1	0.002631579
BSU_19870	yotI	362	0	2	2	0	0	0	3	0.162589	1	0.002762	0	0
BSU_21020	yonR	326	2	0	2	0	0	0	3	0.162589	1	0.003067	0	0
BSU_06940	yesL	629	465	420	885	339	467	806	1.0979	0.162613	17	0.027027	12	0.019077901
BSU_09780	spaC	1091	1992	847	2839	1339	1235	2574	1.1029	0.162697	31	0.028414	40	0.036663611
BSU_22570	ypiF	446	1087	195	1282	1193	214	1407	0.9112	0.16271	13	0.029148	18	0.040358744
BSU_14180	dapH	710	0	0	0	51	0	51	0.0192	0.162722	0	0	1	0.001408451
BSU_20040	nrdFB	1797	0	0	0	2	0	2	0.3333	0.162722	0	0	1	0.000556483
BSU_20470	yoqY	395	0	0	0	0	45	45	0.0217	0.162722	0	0	1	0.002531646
BSU_32170	dapF	854	36	0	36	0	0	0	37	0.162722	1	0.001171	0	0
BSU_13730	queD	449	1558	1271	2829	474	547	1021	2.7691	0.162861	26	0.057906	27	0.06013363
BSU_01370	adk	653	0	0	0	0	2	2	0.3333	0.162863	0	0	1	0.001531394
BSU_20130	yosG	362	0	0	0	0	2	2	0.3333	0.162863	0	0	1	0.002762431
BSU_20150	yosE	347	0	2	2	0	0	0	3	0.162863	1	0.002882	0	0
BSU_20410	yorE	371	0	0	0	0	2	2	0.3333	0.163015	0	0	1	0.002695418
BSU_36215		125	496	249	745	552	349	901	0.8271	0.163016	10	0.08	12	0.096
BSU_10730	pchl	170	8	88	96	335	82	417	0.2321	0.163142	4	0.023529	6	0.035294118
BSU_04850	helP	380	0	2	2	0	0	0	3	0.163178	1	0.002632	0	0
BSU_15900	fabD	953	0	4	4	4	2	6	0.7143	0.16318	1	0.001049	3	0.003147954
BSU_31730	cotIC	368	1748	1894	3642	1935	1468	3403	1.0702	0.163215	26	0.070652	22	0.059782609
BSU_16020	rimM	524	0	2	2	0	0	0	3	0.163353	1	0.001908	0	0
BSU_01230	rplP	434	0	0	0	2	0	2	0.3333	0.163543	0	0	1	0.002304147
BSU_01300	rpsH	398	2	0	2	0	0	0	3	0.163543	1	0.002513	0	0
BSU_01350	rplO	440	0	0	0	0	2	2	0.3333	0.163543	0	0	1	0.002272727
BSU_misc_R	scr	353	353	168	521	109	62	171	3.0349	0.16357	8	0.022663	5	0.014164306
BSU_16480	swrB	503	472	631	1103	445	518	963	1.1452	0.163729	22	0.043738	16	0.031809145
BSU_01320	rplR	362	2	0	2	0	0	0	3	0.163749	1	0.002762	0	0
BSU_01410	rpsM	365	0	0	0	2	0	2	0.3333	0.163749	0	0	1	0.002739726
BSU_01490	rplM	437	0	0	0	2	0	2	0.3333	0.163749	0	0	1	0.00228833
BSU_04950	yddF	326	2	0	2	0	0	0	3	0.163749	1	0.003067	0	0
BSU_24970	pstA	884	899	942	1841	957	1162	2119	0.8689	0.163833	35	0.039593	42	0.047511312

BSU_23836	rpmGCc	122	0	50	50	2	56	58	0.8644	0.163928	1	0.008197	3	0.024590164
BSU_01210	rplV	341	0	0	0	0	2	2	0.3333	0.163973	0	0	1	0.002932551
BSU_01270	rplX	311	0	0	0	0	2	2	0.3333	0.163973	0	0	1	0.003215434
BSU_16680	rpsO	269	4	0	4	0	0	0	5	0.163973	1	0.003717	0	0
BSU_19860	yotJ	212	0	0	0	0	2	2	0.3333	0.163973	0	0	1	0.004716981
BSU_24350	accB	479	0	0	0	0	2	2	0.3333	0.163973	0	0	1	0.002087683
BSU_18770	yoaV	878	4303	5471	9774	3967	4228	8195	1.1927	0.164025	80	0.091116	82	0.093394077
BSU_29170	ytzA	383	571	204	775	572	347	919	0.8435	0.164145	11	0.028721	15	0.039164491
BSU_21170	yomZ	395	2	0	2	0	0	0	3	0.164217	1	0.002532	0	0
BSU_33690	yvaQ	1700	2539	3442	5981	3687	3395	7082	0.8446	0.16427	75	0.044118	84	0.049411765
BSU_07970	yfjT	185	70	142	212	125	259	384	0.5532	0.164287	7	0.037838	10	0.054054054
BSU_12170	yjgD	560	389	616	1005	416	587	1003	1.002	0.16438	10	0.017857	16	0.028571429
BSU_11160	yitW	308	80	211	291	409	331	740	0.3941	0.164394	7	0.022727	10	0.032467532
BSU_00780	folB	362	2	0	2	0	0	0	3	0.164485	1	0.002762	0	0
BSU_21240	yomS	356	2	0	2	0	0	0	3	0.164485	1	0.002809	0	0
BSU_misc_R	rnpB	400	0	0	0	0	15	15	0.0625	0.164485	0	0	1	0.0025
BSU_07330	pynN	707	811	1457	2268	1804	1552	3356	0.6759	0.164708	28	0.039604	30	0.042432815
BSU_08470	yfhB	881	630	571	1201	968	942	1910	0.629	0.164709	25	0.028377	29	0.03291714
BSU_19530	yodA	389	572	282	854	357	498	855	0.9988	0.164713	15	0.03856	21	0.053984576
BSU_25830	rapE	1127	4578	4953	9531	3164	3568	6732	1.4157	0.164747	108	0.09583	113	0.100266193
BSU_00910	ispF	476	0	40	40	0	0	0	41	0.16478	1	0.002101	0	0
BSU_01260	rplNA	368	0	0	0	0	2	2	0.3333	0.16478	0	0	1	0.002717391
BSU_04839	ydzL	260	0	2	2	0	0	0	3	0.16478	1	0.003846	0	0
BSU_04840	ydcO	260	2	0	2	0	0	0	3	0.16478	1	0.003846	0	0
BSU_04900	yddA	308	0	0	0	0	2	2	0.3333	0.16478	0	0	1	0.003246753
BSU_20620	yoqI	194	0	2	2	0	0	0	3	0.16478	1	0.005155	0	0
BSU_36370	fabZ	425	0	0	0	83	0	83	0.0119	0.16478	0	0	1	0.002352941
BSU_20200	yorZ	212	2	0	2	0	0	0	3	0.165107	1	0.004717	0	0
BSU_40900	ssbA	518	0	21	21	0	0	0	22	0.165107	1	0.001931	0	0
BSU_23320	ypzC	236	259	269	528	106	83	189	2.7842	0.165457	8	0.033898	6	0.025423729
BSU_01250	rpsQ	263	0	0	0	2	0	2	0.3333	0.16547	0	0	1	0.003802281

BSU_20920	yopE	251	0	0	0	2	0	2	0.3333	0.16547	0	0	1	0.003984064
BSU_20999	yoyJ	251	0	0	0	2	0	2	0.3333	0.16547	0	0	1	0.003984064
BSU_31620	mrpC	341	17	0	17	0	0	0	18	0.16547	1	0.002933	0	0
BSU_00540	fin	230	504	224	728	403	108	511	1.4238	0.165858	15	0.065217	12	0.052173913
BSU_04890	ycdT	266	2	0	2	0	0	0	3	0.165877	1	0.003759	0	0
BSU_06020	groES	284	76	0	76	0	0	0	77	0.165877	1	0.003521	0	0
BSU_37100	murAB	1289	1319	1619	2938	964	1500	2464	1.1923	0.165996	32	0.024825	42	0.032583398
BSU_36780	ywzB	230	199	588	787	479	527	1006	0.7825	0.166054	10	0.043478	14	0.060869565
BSU_40200	yydD	1760	110461	115439	225900	121300	94771	216071	1.0455	0.16617	379	0.215341	382	0.217045455
BSU_06510	purN	587	883	525	1408	632	919	1551	0.9079	0.166208	17	0.028961	24	0.04088586
BSU_23329	ypuC	254	42	250	292	66	310	376	0.7772	0.166294	5	0.019685	9	0.035433071
BSU_12390	uxaA	1493	1972	1438	3410	1864	1634	3498	0.9748	0.166333	49	0.03282	62	0.041527127
BSU_01200	rpsS	278	2	0	2	0	0	0	3	0.166335	1	0.003597	0	0
BSU_01390	infA	218	0	0	0	2	0	2	0.3333	0.166335	0	0	1	0.004587156
BSU_01440	rplQ	362	0	2	2	0	0	0	3	0.166335	1	0.002762	0	0
BSU_40910	rpsF	287	0	0	0	0	2	2	0.3333	0.166335	0	0	1	0.003484321
BSU_35920	rbsK	881	847	862	1709	700	962	1662	1.0283	0.166357	34	0.038593	27	0.030646992
BSU_26200	yqaS	719	1687	1485	3172	1274	1018	2292	1.3838	0.166541	39	0.054242	36	0.050069541
BSU_05344	yzdSc	113	23	34	57	19	0	19	2.9	0.166667	2	0.017699	1	0.008849558
BSU_17820	pghL	758	1233	1242	2475	1291	1182	2473	1.0008	0.166717	46	0.060686	41	0.05408971
BSU_01700	murQ	914	1236	1632	2868	1867	2279	4146	0.6918	0.166956	38	0.041575	43	0.047045952
BSU_12672	xkzB	149	670	525	1195	953	616	1569	0.7618	0.167293	20	0.134228	23	0.154362416
BSU_01180	rplW	287	0	2	2	0	0	0	3	0.167451	1	0.003484	0	0
BSU_21060	yonK	191	0	0	0	2	0	2	0.3333	0.167451	0	0	1	0.005235602
BSU_21230	yomT	227	0	0	0	0	2	2	0.3333	0.167451	0	0	1	0.004405286
BSU_21639		155	0	0	0	0	2	2	0.3333	0.167451	0	0	1	0.006451613
BSU_26449		248	471	821	1292	468	396	864	1.4948	0.167689	18	0.072581	16	0.064516129
BSU_31060	gbsA	1472	1150	1318	2468	1341	1227	2568	0.9611	0.167739	39	0.026495	48	0.032608696
BSU_22630	trpA	803	943	560	1503	875	622	1497	1.004	0.167871	25	0.031133	34	0.04234122
BSU_04359	ydzK	266	0	0	0	2	0	2	0.3333	0.168141	0	0	1	0.003759398
BSU_04920	conC	248	0	0	0	2	0	2	0.3333	0.168141	0	0	1	0.004032258

BSU_17910	yneF	218	2	0	2	0	0	0	3	0.168141	1	0.004587	0	0
BSU_20928	yoyH	179	0	0	0	2	0	2	0.3333	0.168141	0	0	1	0.005586592
BSU_33049	yvzF	185	618	423	1041	776	300	1076	0.9675	0.168174	13	0.07027	18	0.097297297
BSU_31440	patB	1163	1009	1458	2467	888	1527	2415	1.0215	0.168264	37	0.031814	45	0.038693035
BSU_22060	pbuX	1316	859	923	1782	1235	664	1899	0.9384	0.168326	43	0.032675	54	0.041033435
BSU_37310	fnr	716	1830	1411	3241	2384	1044	3428	0.9455	0.168346	29	0.040503	36	0.05027933
BSU_30650	dps	437	460	702	1162	908	689	1597	0.7278	0.168485	22	0.050343	26	0.059496568
BSU_19579	yoyD	200	49	82	131	52	190	242	0.5432	0.168783	5	0.025	8	0.04
BSU_04849		128	0	0	0	0	2	2	0.3333	0.168947	0	0	1	0.0078125
BSU_06670	gatC	290	0	0	0	58	0	58	0.0169	0.168947	0	0	1	0.003448276
BSU_20660	yoqE	164	0	2	2	0	0	0	3	0.168947	1	0.006098	0	0
BSU_01530	cwID	713	2050	1850	3900	2765	2098	4863	0.802	0.169034	41	0.057504	48	0.067321178
BSU_13900	ptsH	266	61	48	109	48	57	105	1.0377	0.169102	8	0.030075	13	0.04887218
BSU_35340	fliD	1496	6853	7581	14434	9059	6804	15863	0.9099	0.169454	157	0.104947	140	0.093582888
BSU_28140	hemD	788	44	11	55	4	45	49	1.12	0.169583	3	0.003807	6	0.007614213
BSU_34220	epsO	968	2412	1175	3587	2291	1272	3563	1.0067	0.169705	33	0.034091	43	0.044421488
BSU_39070	bglS	728	3810	6412	10222	4256	5553	9809	1.0421	0.16981	66	0.090659	61	0.083791209
BSU_03870	ycnE	287	908	366	1274	759	468	1227	1.0383	0.169886	15	0.052265	10	0.034843206
BSU_05020	phrI	119	0	0	0	0	2	2	0.3333	0.169904	0	0	1	0.008403361
BSU_misc_R	tboA	207	0	0	0	0	19	19	0.05	0.169904	0	0	1	0.004830918
BSU_36310	ssbB	341	227	475	702	720	441	1161	0.605	0.169954	12	0.035191	14	0.041055718
BSU_40840	yjaJ	1355	15291	14955	30246	12886	12008	24894	1.215	0.170054	125	0.092251	120	0.088560886
BSU_06570	yerB	995	1993	1087	3080	955	1719	2674	1.1518	0.170637	37	0.037186	48	0.048241206
BSU_18350	dacC	1475	3216	3243	6459	3449	3223	6672	0.9681	0.170738	71	0.048136	81	0.054915254
BSU_11110	fakBB	851	734	847	1581	726	458	1184	1.335	0.170802	22	0.025852	31	0.036427732
BSU_29710	acuC	1163	1222	1317	2539	1444	1419	2863	0.8869	0.170949	46	0.039553	54	0.046431642
BSU_20710	yopZ	203	2	0	2	0	0	0	3	0.171056	1	0.004926	0	0
BSU_21638		134	0	0	0	0	2	2	0.3333	0.171056	0	0	1	0.007462687
BSU_28860	rpml	200	0	2	2	0	0	0	3	0.171056	1	0.005	0	0
BSU_03750	ycU	683	1980	2016	3996	2938	2694	5632	0.7096	0.17109	43	0.062958	50	0.073206442
BSU_38970	yxF	773	837	1305	2142	883	747	1630	1.3139	0.171677	21	0.027167	28	0.03622251

BSU_23680	yqjZ	344	301	402	703	510	357	867	0.8111	0.17175	10	0.02907	15	0.043604651
BSU_17540	ynaF	353	3294	3001	6295	2169	2645	4814	1.3076	0.171753	58	0.164306	50	0.141643059
BSU_10230	yhfH	140	71	193	264	213	265	478	0.5532	0.171772	6	0.042857	10	0.071428571
BSU_04590	ydbS	479	556	547	1103	540	323	863	1.2778	0.17179	19	0.039666	14	0.029227557
BSU_20340	dpoL	3917	29	4	33	8	20	28	1.1724	0.171857	7	0.001787	11	0.002808272
BSU_08830	ssuB	767	492	509	1001	323	628	951	1.0525	0.172251	16	0.02086	23	0.029986962
BSU_01690	murR	851	1347	1459	2806	1414	1430	2844	0.9866	0.172256	29	0.034078	39	0.045828437
BSU_21000	spbT	176	0	0	0	2	0	2	0.3333	0.172471	0	0	1	0.005681818
BSU_misc_R	tboL	214	0	4	4	0	0	0	5	0.172471	1	0.004673	0	0
BSU_38680	yxID	206	4	0	4	0	0	0	5	0.172471	1	0.004854	0	0
BSU_13270	ykoI	680	1431	1112	2543	1156	1140	2296	1.1075	0.17252	29	0.042647	37	0.054411765
BSU_28360	rdgB	596	181	244	425	914	586	1500	0.2838	0.17266	12	0.020134	15	0.025167785
BSU_08850	ssuC	830	785	504	1289	1147	694	1841	0.7003	0.172906	26	0.031325	32	0.038554217
BSU_38770	cimH	1352	2348	1358	3706	2525	1506	4031	0.9194	0.173005	62	0.045858	54	0.039940828
BSU_39320	yxIB	365	4052	3060	7112	2849	2461	5310	1.3393	0.173189	28	0.076712	27	0.073972603
BSU_10630	addA	3698	880	770	1650	332	442	774	2.1303	0.173278	69	0.018659	66	0.017847485
BSU_38350	ywbE	197	60	220	280	10	212	222	1.2601	0.173287	8	0.040609	5	0.025380711
BSU_04710	rsbV	329	556	969	1525	570	1155	1725	0.8841	0.173372	15	0.045593	19	0.05775076
BSU_10770	wprA	2684	2420	2165	4585	1240	2146	3386	1.354	0.173465	82	0.030551	104	0.038748137
BSU_17750	yndD	1562	5347	4498	9845	4165	4711	8876	1.1092	0.173481	114	0.072983	111	0.07106274
BSU_37850	spsG	1019	1137	1352	2489	1243	1247	2490	0.9996	0.173574	34	0.033366	44	0.043179588
BSU_36480	ywoD	1358	1825	1774	3599	2177	1303	3480	1.0342	0.173745	42	0.030928	49	0.036082474
BSU_07955	yfkA	1121	872	1109	1981	2302	1575	3877	0.5111	0.173838	36	0.032114	38	0.033898305
BSU_00600	spcP	302	703	482	1185	712	678	1390	0.8526	0.174044	16	0.05298	17	0.056291391
BSU_10540	ntdB	848	4194	2750	6944	4311	2963	7274	0.9546	0.174085	82	0.096698	91	0.107311321
BSU_15720	defA	482	326	0	326	1112	33	1145	0.2853	0.174101	11	0.022822	16	0.033195021
BSU_10440	yhjA	269	340	380	720	314	454	768	0.9376	0.174304	12	0.04461	16	0.059479554
BSU_02460	kdgD	926	937	736	1673	545	678	1223	1.3676	0.174328	20	0.021598	29	0.031317495
BSU_27830	sgpA	596	826	632	1458	625	563	1188	1.2271	0.17433	27	0.045302	22	0.036912752
BSU_25860	rttG	1595	3103	4101	7204	2662	4274	6936	1.0386	0.174555	101	0.063323	122	0.076489028
BSU_38660	yxIF	887	928	916	1844	707	740	1447	1.2742	0.174583	25	0.028185	34	0.038331454

BSU_39890	yxbB	734	5131	5885	11016	4202	5625	9827	1.121	0.174693	66	0.089918	61	0.083106267
BSU_03730	yclH	680	1046	896	1942	762	1035	1797	1.0806	0.174781	22	0.032353	29	0.042647059
BSU_36140	ywqO	221	408	101	509	4	93	97	5.2041	0.17484	6	0.027149	4	0.018099548
BSU_12700	xkdQ	977	1263	1159	2422	1978	1600	3578	0.677	0.174999	41	0.041965	49	0.050153531
BSU_15360	ylmC	245	246	109	355	313	608	921	0.3861	0.175323	10	0.040816	12	0.048979592
BSU_35319	yvzG	377	904	1084	1988	690	744	1434	1.3861	0.175378	26	0.068966	21	0.055702918
BSU_05450	ydfK	689	2940	2792	5732	2289	2039	4328	1.3243	0.175426	51	0.07402	50	0.07256894
BSU_36150	ywqN	545	1099	794	1893	1748	938	2686	0.7049	0.17552	18	0.033028	23	0.042201835
BSU_38610	yxzF	158	6	137	143	49	6	55	2.5714	0.175538	4	0.025316	2	0.012658228
BSU_03280	nasF	1451	1186	755	1941	493	607	1100	1.7639	0.175724	30	0.020675	27	0.018607857
BSU_23050	fmnP	572	1061	298	1359	481	464	945	1.4376	0.17581	22	0.038462	31	0.054195804
BSU_13910	ptsl	1712	254	267	521	48	110	158	3.283	0.175846	28	0.016355	25	0.014602804
BSU_00090	guaB	1466	98	90	188	217	117	334	0.5642	0.17591	7	0.004775	11	0.007503411
BSU_07300	yfnE	1178	1927	2040	3967	2125	2215	4340	0.9141	0.176016	46	0.039049	56	0.0475382
BSU_26826	yrpDX	77	208	648	856	458	433	891	0.9608	0.176229	8	0.103896	12	0.155844156
BSU_16090	sucC	1157	515	392	907	799	882	1681	0.5398	0.176271	34	0.029386	39	0.033707865
BSU_29860	ytoP	1073	726	553	1279	363	347	710	1.8003	0.176275	38	0.035415	35	0.032618826
BSU_17220	pkSR	7631	11218	11798	23016	10977	10685	21662	1.0625	0.17639	326	0.04272	369	0.048355392
BSU_38070	sacT	830	720	814	1534	949	1026	1975	0.7768	0.176422	31	0.037349	37	0.044578313
BSU_05140	ydZE	236	1358	1148	2506	1425	1391	2816	0.89	0.176797	20	0.084746	22	0.093220339
BSU_03981	mtIA	1436	1539	1064	2603	1358	858	2216	1.1746	0.1769	43	0.029944	53	0.036908078
BSU_03680	yclG	1754	4206	2857	7063	3896	4020	7916	0.8923	0.17738	71	0.040479	82	0.046750285
BSU_08170	yfjA	314	603	471	1074	298	291	589	1.822	0.177833	12	0.038217	11	0.035031847
BSU_18669	yozS	305	3301	2489	5790	2101	1834	3935	1.4713	0.177879	44	0.144262	45	0.147540984
BSU_36970	spolIR	674	1532	1569	3101	1650	1780	3430	0.9041	0.178047	25	0.037092	30	0.044510386
BSU_39310	yxiC	269	1870	1933	3803	2110	883	2993	1.2705	0.178113	15	0.055762	13	0.048327138
BSU_29680	acsA	1718	1625	1065	2690	1267	1179	2446	1.0997	0.178358	49	0.028522	57	0.033178114
BSU_38840	gdnE	836	8313	6733	15046	5747	4766	10513	1.4311	0.178956	76	0.090909	84	0.100478469
BSU_06170	ydjE	962	3540	2521	6061	1907	2075	3982	1.522	0.179029	47	0.048857	44	0.045738046
BSU_34620	mdxD	1769	2092	2651	4743	2052	2387	4439	1.0685	0.179154	87	0.04918	82	0.046353872
BSU_07600	yfIP	959	852	868	1720	339	618	957	1.7965	0.179162	27	0.028154	24	0.025026069

BSU_05670	ydgl	494	655	643	1298	487	92	579	2.2397	0.179214	17	0.034413	15	0.030364372
BSU_14980	ylbE	239	69	0	69	94	23	117	0.5932	0.179277	1	0.004184	3	0.012552301
BSU_35410	flgK	1523	5988	4991	10979	5558	4969	10527	1.0429	0.179346	113	0.074196	109	0.071569271
BSU_21630	aacD	818	6	2	8	14	0	14	0.6	0.179402	4	0.00489	7	0.008557457
BSU_06190	ydjG	1025	5336	3810	9146	3042	3914	6956	1.3148	0.179407	66	0.06439	65	0.063414634
BSU_06812	yeeF	2009	7923	10819	18742	7098	7108	14206	1.3193	0.179444	112	0.055749	111	0.055251369
BSU_06800	yezA	206	3796	2777	6573	2311	2292	4603	1.4279	0.179467	29	0.140777	24	0.116504854
BSU_30420	ytrE	695	360	390	750	440	146	586	1.2794	0.179562	15	0.021583	10	0.014388489
BSU_22270	yppE	371	356	288	644	411	208	619	1.0403	0.179579	9	0.024259	14	0.037735849
BSU_19610	yodI	251	266	232	498	102	118	220	2.2579	0.179586	12	0.047809	9	0.035856574
BSU_tRNA_2	trnI-Asn	71	0	0	0	6	0	6	0.1429	0.179659	0	0	1	0.014084507
BSU_tRNA_2	asnTA	74	0	0	0	160	0	160	0.0062	0.179659	0	0	1	0.013513514
BSU_13440	ykoY	974	784	1188	1972	1113	1152	2265	0.8707	0.179682	33	0.033881	40	0.041067762
BSU_26170	yqbB	917	2010	1703	3713	2093	1732	3825	0.9707	0.180096	46	0.050164	58	0.063249727
BSU_04020	yczH	608	1055	604	1659	799	339	1138	1.4574	0.180418	28	0.046053	25	0.041118421
BSU_39550	hadM	812	4926	4592	9518	4451	3949	8400	1.1331	0.180625	65	0.080049	69	0.084975369
BSU_30440	ytrC	986	1491	2236	3727	2174	2391	4565	0.8165	0.180736	66	0.066937	74	0.07505071
BSU_01810	adaA	635	3758	4756	8514	3002	3672	6674	1.2757	0.180812	78	0.122835	74	0.116535433
BSU_17400	ymaB	620	496	737	1233	386	320	706	1.7454	0.181011	20	0.032258	17	0.027419355
BSU_38020	pdxK	815	1172	901	2073	914	1211	2125	0.9755	0.181127	29	0.035583	23	0.028220859
BSU_02710	yczC	383	459	503	962	101	620	721	1.3338	0.181349	16	0.041775	14	0.036553525
BSU_18050	yneQ	299	445	86	531	212	357	569	0.9333	0.181464	7	0.023411	4	0.013377926
BSU_23480	dacF	1169	981	989	1970	1379	961	2340	0.8419	0.181588	42	0.035928	53	0.045337896
BSU_25650	yqel	290	2	101	103	2	90	92	1.1183	0.181688	7	0.024138	4	0.013793103
BSU_29450	argG	1211	684	1767	2451	1028	1233	2261	1.084	0.181859	35	0.028902	43	0.035507845
BSU_18880	yobE	659	7832	5525	13357	5758	4082	9840	1.3574	0.181868	49	0.074355	47	0.071320182
BSU_05750	fra	371	568	1186	1754	765	1214	1979	0.8864	0.181937	30	0.080863	38	0.102425876
BSU_11510	yjbE	656	445	535	980	599	680	1279	0.7664	0.182023	15	0.022866	20	0.030487805
BSU_18960	yozM	335	4564	4002	8566	3358	3793	7151	1.1978	0.182256	48	0.143284	46	0.137313433
BSU_18360	galM	977	2840	2052	4892	1743	1449	3192	1.5324	0.182267	52	0.053224	51	0.052200614
BSU_25370	yqfB	419	319	199	518	27	44	71	7.2083	0.182409	9	0.02148	8	0.019093079

BSU_02990	opuAB	848	974	543	1517	1151	1017	2168	0.6999	0.182426	35	0.041274	38	0.044811321
BSU_18610	yoaH	1685	3391	3949	7340	2705	2798	5503	1.3338	0.182487	104	0.061721	112	0.066468843
BSU_26470	yrkL	524	2870	3641	6511	2631	2163	4794	1.3581	0.182755	59	0.112595	51	0.097328244
BSU_37970	ung	677	846	824	1670	713	503	1216	1.373	0.182967	24	0.035451	20	0.029542097
BSU_11330	fabHA	938	1350	6	1356	1632	0	1632	0.831	0.182975	13	0.013859	17	0.018123667
BSU_36770	ywmB	740	1124	1401	2525	1099	544	1643	1.5365	0.183017	35	0.047297	29	0.039189189
BSU_07760	yfkT	1076	2397	2932	5329	2522	3867	6389	0.8341	0.183067	56	0.052045	66	0.06133829
BSU_40450	yycD	200	2337	1934	4271	1925	2683	4608	0.9269	0.183244	20	0.1	26	0.13
BSU_22280	yppD	245	303	586	889	597	408	1005	0.8847	0.183369	15	0.061224	20	0.081632653
BSU_38540	dltE	758	556	590	1146	373	411	784	1.4611	0.183663	18	0.023747	15	0.019788918
BSU_01470	ecfT	797	1219	1086	2305	1267	1372	2639	0.8735	0.183834	45	0.056462	39	0.048933501
BSU_07360	yfmS	860	595	694	1289	202	677	879	1.4659	0.183851	24	0.027907	22	0.025581395
BSU_14270	moeB	1019	1256	1243	2499	1484	2059	3543	0.7054	0.183944	42	0.041217	47	0.046123651
BSU_08700	ygaE	1061	1336	1295	2631	2500	951	3451	0.7625	0.184176	48	0.04524	54	0.050895382
BSU_10390	yhfW	1529	2449	1546	3995	2421	1826	4247	0.9407	0.184332	63	0.041203	74	0.048397646
BSU_01970	skfG	515	2898	1649	4547	1220	1659	2879	1.5792	0.184462	32	0.062136	33	0.06407767
BSU_24120	mmgF	905	711	508	1219	590	714	1304	0.9349	0.184625	21	0.023204	27	0.029834254
BSU_38940	yxjI	488	1569	848	2417	1279	1257	2536	0.9531	0.184957	27	0.055328	31	0.06352459
BSU_14071	ykuG	1730	9980	11686	21666	7786	9432	17218	1.2583	0.185006	203	0.117341	210	0.121387283
BSU_39150	yxjI	296	1116	1023	2139	529	577	1106	1.9332	0.18523	16	0.054054	13	0.043918919
BSU_39720	iolE	893	1403	2492	3895	1974	3026	5000	0.779	0.185233	42	0.047032	46	0.051511758
BSU_28709		170	346	149	495	485	236	721	0.687	0.18524	10	0.058824	13	0.076470588
BSU_36890	upp	629	1366	1340	2706	1859	1444	3303	0.8193	0.185253	28	0.044515	34	0.054054054
BSU_31070	gbsR	542	1433	1386	2819	1131	706	1837	1.5343	0.185426	31	0.057196	30	0.055350554
BSU_11260	yjzC	179	101	114	215	13	30	43	4.9091	0.185504	5	0.027933	3	0.016759777
BSU_32060	yuiD	476	379	528	907	326	396	722	1.2559	0.18555	16	0.033613	23	0.048319328
BSU_28530	etfB	773	579	338	917	449	729	1178	0.7786	0.185569	17	0.021992	22	0.028460543
BSU_29830	ytpQ	809	346	660	1006	3863	2613	6476	0.1555	0.185788	23	0.02843	24	0.029666255
BSU_39280	yyxE	308	5300	5420	10720	4703	3674	8377	1.2797	0.185846	46	0.149351	45	0.146103896
BSU_17520	ynaD	512	8929	7330	16259	8084	7231	15315	1.0616	0.185924	83	0.162109	84	0.1640625
BSU_18040	yneP	365	1184	999	2183	768	1387	2155	1.013	0.186058	27	0.073973	31	0.084931507

BSU_39140	yxik	461	3578	2045	5623	2315	2330	4645	1.2105	0.186175	40	0.086768	37	0.080260304
BSU_27870	nadB	1595	1336	1472	2808	1095	1267	2362	1.1887	0.18693	57	0.035737	52	0.032601881
BSU_12980	aeEB	1100	909	896	1805	1180	1050	2230	0.8095	0.186964	30	0.027273	38	0.034545455
BSU_23270	ribE	647	1057	595	1652	896	462	1358	1.2163	0.187021	28	0.043277	26	0.040185471
BSU_11980	yjdA	755	2805	3267	6072	2164	3643	5807	1.0456	0.187141	57	0.075497	70	0.092715232
BSU_11130	ipi	359	379	234	613	231	175	406	1.5086	0.187205	14	0.038997	11	0.030640669
BSU_12660	xkdM	443	354	191	545	481	598	1079	0.5056	0.18724	9	0.020316	11	0.0248307
BSU_34730	yvcN	764	991	586	1577	266	550	816	1.9315	0.187259	23	0.030105	22	0.028795812
BSU_18660	yoaM	683	4103	2793	6896	2666	2084	4750	1.4517	0.187295	53	0.077599	55	0.080527086
BSU_27970	spoIVFB	866	427	554	981	611	701	1312	0.7479	0.187445	27	0.031178	31	0.035796767
BSU_26800	yrpB	1043	2140	2663	4803	1314	2402	3716	1.2924	0.187459	72	0.069032	70	0.067114094
BSU_40680	yybD	443	4511	2865	7376	3521	2539	6060	1.2171	0.187738	29	0.065463	26	0.058690745
BSU_26075	yqbK	1400	2481	1736	4217	3680	1503	5183	0.8137	0.187825	80	0.057143	72	0.051428571
BSU_misc_R	asrH	138	206	199	405	161	135	296	1.367	0.187831	6	0.043478	10	0.072463768
BSU_14760	ylaF	188	110	55	165	169	164	333	0.497	0.187925	7	0.037234	9	0.04787234
BSU_16640	ylxP	278	90	2	92	137	75	212	0.4366	0.187931	2	0.007194	4	0.014388489
BSU_28950	thrS	1931	594	1219	1813	1067	1408	2475	0.7326	0.188068	41	0.021233	49	0.025375453
BSU_21950	ypzA	269	241	76	317	59	57	116	2.7179	0.188256	7	0.026022	5	0.018587361
BSU_28730	araQ	845	520	620	1140	611	839	1450	0.7864	0.18827	29	0.03432	35	0.041420118
BSU_32450	pucL	1484	1809	1798	3607	1880	2798	4678	0.7711	0.188344	49	0.033019	55	0.037061995
BSU_01860	ybcF	527	1862	1739	3601	1505	1568	3073	1.1718	0.188378	41	0.077799	39	0.074003795
BSU_16400	flhF	1100	1770	1268	3038	1401	1714	3115	0.9753	0.188413	45	0.040909	55	0.05
BSU_37710	bacD	1418	1664	1790	3454	1952	1811	3763	0.9179	0.188913	54	0.038082	63	0.044428773
BSU_15310	spolIGA	929	331	325	656	148	271	419	1.5643	0.189255	21	0.022605	17	0.018299247
BSU_39430	deoR	941	2376	1497	3873	872	570	1442	2.6847	0.18939	39	0.041445	39	0.041445271
BSU_08840	ssuA	998	477	500	977	607	431	1038	0.9413	0.189622	21	0.021042	27	0.027054108
BSU_13260	ykoH	1364	1437	1164	2601	1258	726	1984	1.3108	0.189659	35	0.02566	45	0.032991202
BSU_27170	bscR	584	1056	1094	2150	601	848	1449	1.4834	0.189704	33	0.056507	32	0.054794521
BSU_32800	gcvH	383	80	53	133	169	161	330	0.4048	0.189842	5	0.013055	8	0.020887728
BSU_05500	ydfP	389	734	2355	3089	664	1450	2114	1.461	0.190057	24	0.061697	31	0.079691517
BSU_18440	gltB	1481	902	1430	2332	1625	839	2464	0.9465	0.190138	39	0.026334	47	0.031735314

BSU_22640	trpB	1202	240	849	1089	651	749	1400	0.778	0.1905	23	0.019135	29	0.024126456
BSU_40870	ccpB	935	6257	7766	14023	5827	7422	13249	1.0584	0.190725	83	0.08877	85	0.090909091
BSU_tRNA_1	trnJ-Thr	75	0	0	0	28	0	28	0.0345	0.190787	0	0	1	0.013333333
BSU_tRNA_2	trnI-Arg	76	0	0	0	11	0	11	0.0833	0.190787	0	0	1	0.013157895
BSU_tRNA_7	trnE-Arg	76	0	0	0	13	0	13	0.0714	0.190787	0	0	1	0.013157895
BSU_tRNA_3	trnD-Thr	72	0	0	0	160	0	160	0.0062	0.190787	0	0	1	0.013888889
BSU_24205		152	0	4	4	0	0	0	5	0.190787	1	0.006579	0	0
BSU_27468	yrzQ	131	0	0	0	0	17	17	0.0556	0.190787	0	0	1	0.007633588
BSU_tRNA_7	trnB-Asp	74	0	19	19	0	0	0	20	0.190787	1	0.013514	0	0
BSU_30180	ytbQ	761	546	572	1118	1074	437	1511	0.7401	0.190931	28	0.036794	32	0.042049934
BSU_09140	yhcM	455	460	269	729	511	357	868	0.84	0.1911	13	0.028571	17	0.037362637
BSU_40574	yyzJ	164	1899	706	2605	1302	511	1813	1.4366	0.191439	8	0.04878	8	0.048780488
BSU_14170	fldP	455	223	380	603	352	265	617	0.9773	0.191682	13	0.028571	18	0.03956044
BSU_09280	glpF	824	546	705	1251	129	421	550	2.2722	0.191728	26	0.031553	24	0.029126214
BSU_22110	kdgK	974	1146	412	1558	725	1048	1773	0.8788	0.191867	28	0.028747	35	0.035934292
BSU_09050	yhcE	761	2082	1429	3511	1750	2153	3903	0.8996	0.191982	50	0.065703	58	0.076215506
BSU_33100	liaF	725	655	233	888	1196	141	1337	0.6644	0.19223	26	0.035862	19	0.026206897
BSU_29150	ytwI	464	244	114	358	332	132	464	0.772	0.192371	9	0.019397	13	0.028017241
BSU_11960	yjcR	527	871	460	1331	655	783	1438	0.9256	0.192444	17	0.032258	22	0.041745731
BSU_39380	hutG	959	1549	2083	3632	2180	4835	7015	0.5178	0.192497	44	0.045881	47	0.049009385
BSU_26640	yrpP	1037	3665	3101	6766	3641	3354	6995	0.9673	0.192499	106	0.102218	119	0.114754098
BSU_23200	ypuI	539	637	598	1235	238	416	654	1.887	0.192582	22	0.040816	22	0.040816327
BSU_04790	ydcK	452	2840	4190	7030	2892	4159	7051	0.997	0.192592	29	0.064159	36	0.079646018
BSU_40670	yybE	878	6221	6796	13017	5083	5662	10745	1.2114	0.19267	60	0.068337	59	0.067198178
BSU_12069	yjzH	194	755	338	1093	282	104	386	2.8269	0.192684	12	0.061856	11	0.056701031
BSU_23470	spolI ^{AA}	353	292	85	377	62	17	79	4.725	0.192746	7	0.01983	5	0.014164306
BSU_08029	yfzA	266	1692	1926	3618	1269	1782	3051	1.1858	0.192746	40	0.150376	39	0.146616541
BSU_26270	yqaL	677	1851	1049	2900	1408	1403	2811	1.0317	0.192967	28	0.041359	36	0.053175775
BSU_38240	vbfA	1541	2398	1947	4345	1537	3091	4628	0.9389	0.193059	48	0.031149	58	0.037637897
BSU_01890	ybcL	1172	4593	4002	8595	5412	4297	9709	0.8853	0.193392	74	0.06314	83	0.070819113
BSU_09210	yhcT	908	774	1102	1876	1243	881	2124	0.8833	0.193425	30	0.03304	36	0.039647577

BSU_36560	ywnH	491	729	1411	2140	865	1162	2027	1.0557	0.193606	23	0.046843	29	0.059063136
BSU_23900	yqjF	728	995	1151	2146	1434	1465	2899	0.7403	0.193623	31	0.042582	37	0.050824176
BSU_32849	yuzL	146	61	29	90	150	101	251	0.3611	0.193684	3	0.020548	5	0.034246575
BSU_misc_R	mswD	100	219	166	385	173	64	237	1.6218	0.193737	7	0.07	5	0.05
BSU_15880	fapR	566	424	0	424	802	15	817	0.5196	0.193829	8	0.014134	11	0.019434629
BSU_29240	ytrl	503	661	696	1357	979	530	1509	0.8993	0.194035	21	0.04175	28	0.055666004
BSU_03440	tlpC	1721	2538	2847	5385	2456	2129	4585	1.1744	0.194152	73	0.042417	70	0.040674027
BSU_09990	scoC	611	654	760	1414	726	784	1510	0.9365	0.194758	25	0.040917	30	0.049099836
BSU_35678		218	4936	2522	7458	5393	3105	8498	0.8776	0.194789	26	0.119266	28	0.128440367
BSU_05810	gmuB	311	107	84	191	190	151	341	0.5614	0.194809	7	0.022508	9	0.028938907
BSU_10860	yisT	509	888	1500	2388	1334	2067	3401	0.7022	0.195011	34	0.066798	42	0.082514735
BSU_09190	mncR	3653	5173	4703	9876	5478	5245	10723	0.921	0.19508	144	0.03942	159	0.043525869
BSU_14630	speA	1472	454	527	981	265	228	493	1.9879	0.195303	33	0.022418	31	0.021059783
BSU_23300	ypuD	344	665	1231	1896	500	317	817	2.3191	0.195356	23	0.06686	24	0.069767442
BSU_16825	bcbE	1208	1196	1109	2305	1404	1292	2696	0.855	0.195637	48	0.039735	55	0.045529801
BSU_33760	sdpB	971	18424	21179	39603	18797	23639	42436	0.9332	0.195646	195	0.200824	206	0.21215242
BSU_38730	cydD	1727	1399	2278	3677	1625	1297	2922	1.2583	0.195708	49	0.028373	50	0.02895194
BSU_29500	gerW	455	59	39	98	97	250	347	0.2845	0.195875	7	0.015385	9	0.01978022
BSU_38040	sacA	1439	939	1348	2287	2190	1817	4007	0.5709	0.196154	36	0.025017	40	0.027797081
BSU_11080	yitQ	587	698	928	1626	391	632	1023	1.5889	0.196161	18	0.030664	16	0.02725724
BSU_32320	yutC	632	826	270	1096	450	170	620	1.7665	0.196324	15	0.023734	12	0.018987342
BSU_03860	nfrAB	749	183	655	838	466	440	906	0.925	0.196461	17	0.022697	21	0.028037383
BSU_misc_R	bsrF	107	377	248	625	133	199	332	1.8799	0.196771	5	0.046729	3	0.028037383
BSU_17430	hflX	1262	3589	2127	5716	1789	2666	4455	1.283	0.196945	50	0.03962	45	0.035657686
BSU_06077	ydzW	143	206	480	686	460	569	1029	0.667	0.19697	6	0.041958	6	0.041958042
BSU_31380	yuzA	236	240	622	862	624	538	1162	0.742	0.197004	8	0.033898	11	0.046610169
BSU_21800	ypkP	620	1078	1531	2609	819	787	1606	1.6241	0.197218	33	0.053226	31	0.05
BSU_09450	yhdF	869	444	1188	1632	923	485	1408	1.159	0.197327	25	0.028769	20	0.02301496
BSU_18250	ldeI	1649	3171	2398	5569	1626	2120	3746	1.4865	0.197643	62	0.037599	60	0.036385688
BSU_31330	yugN	404	371	203	574	251	113	364	1.5753	0.197735	11	0.027228	8	0.01980198
BSU_11990	yjdB	347	1208	841	2049	1194	670	1864	1.0992	0.197762	32	0.092219	37	0.106628242

BSU_27009	yrzP	194	101	25	126	157	178	335	0.378	0.198077	5	0.025773	7	0.036082474
BSU_28700	ysfE	242	219	67	286	205	422	627	0.457	0.198232	7	0.028926	9	0.037190083
BSU_29690	acuA	632	586	1155	1741	525	1042	1567	1.111	0.198327	20	0.031646	25	0.039556962
BSU_22370	aspB	1181	690	855	1545	926	893	1819	0.8495	0.198346	40	0.03387	48	0.040643522
BSU_10560	ntdR	989	3270	3270	6540	2684	4201	6885	0.9499	0.198388	103	0.104146	98	0.09908999
BSU_24920	yqgL	470	562	606	1168	632	1405	2037	0.5736	0.198429	21	0.044681	24	0.05106383
BSU_22320	ponA	2744	1071	571	1642	648	1380	2028	0.8098	0.198837	68	0.024781	80	0.029154519
BSU_22480	mgsA	413	6	117	123	0	13	13	8.8571	0.198935	5	0.012107	3	0.007263923
BSU_33390	modB	692	1098	902	2000	1166	1395	2561	0.781	0.199003	23	0.033237	26	0.037572254
BSU_38790	yxzE	200	377	256	633	572	612	1184	0.535	0.199154	9	0.045	11	0.055
BSU_17830	yndM	539	496	939	1435	771	718	1489	0.9638	0.199186	23	0.042672	29	0.05380334
BSU_05230	ydeK	863	2499	2865	5364	3180	1918	5098	1.0522	0.199441	34	0.039397	34	0.039397451
BSU_13420	dgcW	2402	4244	3824	8068	4158	3711	7869	1.0253	0.199486	119	0.049542	140	0.058284763
BSU_02590	ycbP	386	821	504	1325	1092	663	1755	0.7551	0.199709	28	0.072539	28	0.07253886
BSU_15620	sirB	785	426	652	1078	623	614	1237	0.8716	0.200169	22	0.028025	27	0.034394904
BSU_39190	yxiG	416	4109	5454	9563	3839	3102	6941	1.3777	0.200262	54	0.129808	52	0.125
BSU_23420	spoVAC	452	629	453	1082	452	476	928	1.1658	0.20042	23	0.050885	20	0.044247788
BSU_00760	pabC	881	3798	2811	6609	2605	8504	11109	0.595	0.200512	62	0.070375	64	0.072644722
BSU_36079		479	627	712	1339	327	827	1154	1.1602	0.200696	22	0.045929	19	0.039665971
BSU_24140	mmgD	1118	883	1529	2412	878	1196	2074	1.1629	0.200735	33	0.029517	43	0.038461538
BSU_38290	thiE	668	882	874	1756	1073	819	1892	0.9282	0.200787	29	0.043413	34	0.050898204
BSU_19050	yobQ	725	3451	4831	8282	3148	3688	6836	1.2115	0.200937	58	0.08	54	0.074482759
BSU_25910	yqxH	422	1327	1034	2361	1289	1138	2427	0.9728	0.201056	37	0.087678	45	0.106635071
BSU_18709	yoZT	239	723	543	1266	419	276	695	1.8204	0.201245	15	0.062762	12	0.050209205
BSU_29580	trmG	1205	1334	1273	2607	1930	1085	3015	0.8647	0.201322	42	0.034855	49	0.0406639
BSU_25510	lepA	1838	956	1441	2397	668	399	1067	2.2453	0.201344	57	0.031012	60	0.032644178
BSU_09800	yheA	353	146	325	471	309	250	559	0.8429	0.201358	10	0.028329	13	0.036827195
BSU_32250	thrC	1058	473	682	1155	916	711	1627	0.7101	0.20146	22	0.020794	27	0.025519849
BSU_35610	tuaAn	485	1809	1692	3501	2104	3352	5456	0.6417	0.201533	32	0.065979	35	0.072164948
BSU_39300	rtbD	1709	18130	20893	39023	19599	17144	36743	1.0621	0.201626	178	0.104154	179	0.104739614
BSU_02520	ycbJ	920	1311	1346	2657	1473	1745	3218	0.8257	0.201927	32	0.034783	38	0.041304348

BSU_32200	yutJ	1067	1593	1059	2652	718	1218	1936	1.3696	0.201979	39	0.036551	36	0.033739456
BSU_28509		110	59	421	480	298	136	434	1.1057	0.202106	6	0.054545	10	0.090909091
BSU_13490	htpX	896	546	229	775	256	478	734	1.0558	0.202154	22	0.024554	29	0.032366071
BSU_38900	yxjM	1220	4170	5614	9784	3805	4440	8245	1.1866	0.202199	66	0.054098	62	0.050819672
BSU_35360	hag	914	1095	588	1683	1261	1076	2337	0.7203	0.202282	45	0.049234	46	0.050328228
BSU_misc_R	swgA	199	0	0	0	0	4	4	0.2	0.202328	0	0	1	0.005025126
BSU_tRNA_6	trnB-Gly	73	0	0	0	0	24	24	0.04	0.202328	0	0	1	0.01369863
BSU_tRNA_5	trnB-Lei	86	0	0	0	0	9	9	0.1	0.202328	0	0	1	0.011627907
BSU_tRNA_5	trnB-Lys	75	0	0	0	0	81	81	0.0122	0.202328	0	0	1	0.013333333
BSU_10490	sipV	506	674	677	1351	384	259	643	2.0994	0.202743	18	0.035573	17	0.033596838
BSU_31970	dhbB	938	674	657	1331	1118	579	1697	0.7845	0.202804	24	0.025586	29	0.030916844
BSU_37160	rpoE	521	678	782	1460	4124	2225	6349	0.2301	0.202851	20	0.038388	17	0.032629559
BSU_02250	ybfJ	398	466	491	957	679	720	1399	0.6843	0.202903	23	0.057789	27	0.067839196
BSU_08920	yhbB	935	1413	1606	3019	962	2186	3148	0.959	0.20303	51	0.054545	47	0.05026738
BSU_23790	yqjP	959	823	796	1619	790	701	1491	1.0858	0.203236	40	0.04171	36	0.037539103
BSU_26490	yrkJ	785	4054	4030	8084	2949	3011	5960	1.3563	0.203262	98	0.124841	103	0.131210191
BSU_39129	yxzI	188	851	901	1752	702	741	1443	1.214	0.203426	12	0.06383	11	0.058510638
BSU_25750	nucB	410	603	236	839	574	255	829	1.012	0.203532	12	0.029268	15	0.036585366
BSU_23740	yqjU	362	1892	2323	4215	1305	1055	2360	1.7857	0.203571	17	0.046961	16	0.044198895
BSU_28630	pheT	2414	0	4	4	2	14	16	0.2941	0.203572	2	0.000829	4	0.001657001
BSU_09900	yhaP	1259	1423	1291	2714	2045	1655	3700	0.7336	0.203668	47	0.037331	54	0.042891183
BSU_29730	motP	818	340	572	912	410	208	618	1.475	0.203676	18	0.022005	15	0.018337408
BSU_07000	rhgH	1034	1157	995	2152	1006	1632	2638	0.8158	0.20376	41	0.039652	35	0.03384913
BSU_21380	yomF	821	2	19	21	2	2	4	4.4	0.203889	4	0.004872	2	0.002436054
BSU_40110	bglA	1439	5954	6843	12797	7279	6088	13367	0.9574	0.203946	90	0.062543	96	0.066712995
BSU_25350	yqfD	1196	1514	1738	3252	1772	1704	3476	0.9356	0.204183	43	0.035953	51	0.04264214
BSU_08860	ssuD	1130	1054	613	1667	649	859	1508	1.1054	0.204317	26	0.023009	34	0.030088496
BSU_16000	ylqC	245	110	0	110	321	11	332	0.3333	0.204323	4	0.016327	2	0.008163265
BSU_08580	spdL	332	526	220	746	253	603	856	0.8716	0.204454	15	0.045181	12	0.036144578
BSU_16120	topA	2075	53	133	186	25	17	42	4.3488	0.204486	9	0.004337	6	0.002891566
BSU_01760	cdaR	1451	2864	11	2875	3521	6	3527	0.8152	0.204564	26	0.017919	32	0.022053756

BSU_33520	csoR	305	288	470	758	270	915	1185	0.64	0.204575	10	0.032787	13	0.042622951
BSU_33990	yvbU	878	1224	2245	3469	741	786	1527	2.2709	0.204723	32	0.036446	29	0.033029613
BSU_21860	brxA	434	139	139	278	523	168	691	0.4032	0.204752	14	0.032258	16	0.036866359
BSU_15760	prpC	764	526	75	601	572	442	1014	0.5931	0.204965	19	0.024869	22	0.028795812
BSU_26890	csn	833	2612	2267	4879	2063	1589	3652	1.3359	0.205023	47	0.056423	43	0.051620648
BSU_40239	yyzF	170	13299	13975	27274	13057	26151	39208	0.6956	0.205087	26	0.152941	24	0.141176471
BSU_14840	ylaN	281	74	2	76	21	47	68	1.1159	0.205091	2	0.007117	4	0.014234875
BSU_29030	yticD	380	627	446	1073	978	622	1600	0.6708	0.205373	22	0.057895	26	0.068421053
BSU_31680	comA	644	3152	3146	6298	3920	1308	5228	1.2046	0.205566	37	0.057453	36	0.055900621
BSU_33050	gerAA	1448	2143	2375	4518	1880	1970	3850	1.1735	0.205574	55	0.037983	63	0.043508287
BSU_36070	cotG	587	137	190	327	120	130	250	1.3068	0.205908	4	0.006814	8	0.01362862
BSU_11210	argB	776	389	311	700	119	162	281	2.4858	0.205917	8	0.010309	13	0.016752577
BSU_25050	yqgA	428	2787	2306	5093	2079	1169	3248	1.5679	0.205992	57	0.133178	58	0.135514019
BSU_20250	mtbP	1331	2	6	8	4	0	4	1.8	0.206246	4	0.003005	2	0.00150263
BSU_21660	sprA	1637	2	6	8	2	2	4	1.8	0.20637	4	0.002443	2	0.001221747
BSU_30220	bioFC	1169	863	1070	1933	1013	828	1841	1.0499	0.206376	32	0.027374	39	0.033361848
BSU_22040	bpsB	506	553	350	903	342	480	822	1.0984	0.206408	25	0.049407	21	0.041501976
BSU_21390	yomE	1934	4	0	4	4	4	8	0.5556	0.206523	2	0.001034	4	0.002068252
BSU_25770	spoIVCA	1502	5259	5873	11132	4764	3571	8335	1.3355	0.206604	94	0.062583	99	0.065912117
BSU_14850	ftsW	1211	11	6	17	11	0	11	1.5	0.206718	4	0.003303	2	0.001651528
BSU_04940	conE	2495	4	10	14	2	6	8	1.6667	0.20689	4	0.001603	2	0.000801603
BSU_03840	ycnB	1418	1237	964	2201	1442	1296	2738	0.8039	0.20699	36	0.025388	42	0.029619182
BSU_10570	yhjN	1154	1259	802	2061	1301	1538	2839	0.7261	0.207083	36	0.031196	41	0.035528596
BSU_32960	yusYc	1508	1919	2076	3995	2370	2189	4559	0.8763	0.20715	52	0.034483	61	0.040450928
BSU_35270	cccB	338	548	393	941	121	287	408	2.3032	0.207394	18	0.053254	16	0.047337278
BSU_32210	yuzD	326	934	252	1186	1399	852	2251	0.5271	0.207593	13	0.039877	16	0.049079755
BSU_34550	mdxM	680	1698	1211	2909	1039	552	1591	1.8279	0.207607	28	0.041176	28	0.041176471
BSU_39780	iolS	932	3747	4046	7793	2478	3256	5734	1.359	0.207645	68	0.072961	69	0.074034335
BSU_37410	albE	1160	1878	2120	3998	1732	2743	4475	0.8934	0.207657	50	0.043103	55	0.047413793
BSU_26050	txpA	179	291	294	585	373	482	855	0.6846	0.20766	12	0.067039	17	0.094972067
BSU_32240	thrB	929	805	876	1681	1154	552	1706	0.9854	0.207876	27	0.029064	22	0.023681378

BSU_38670	yxIE	188	492	370	862	792	784	1576	0.5472	0.207937	17	0.090426	11	0.058510638
BSU_40359	yyzO	188	320	58	378	247	243	490	0.7719	0.207937	7	0.037234	9	0.04787234
BSU_04700	rsbU	1007	2371	1721	4092	1977	2256	4233	0.9667	0.207994	47	0.046673	54	0.053624628
BSU_33890	yvbK	467	851	920	1771	978	1237	2215	0.7996	0.208168	25	0.053533	29	0.062098501
BSU_17680	thyA	839	4805	4240	9045	5228	6968	12196	0.7417	0.208253	82	0.097735	89	0.106078665
BSU_39680	iolI	836	3707	3329	7036	2287	2223	4510	1.56	0.208335	56	0.066986	54	0.064593301
BSU_17678	ynzJ	125	1953	3197	5150	922	1229	2151	2.3936	0.208453	14	0.112	13	0.104
BSU_12350	uxuB	836	154	816	970	658	447	1105	0.8779	0.208493	13	0.01555	18	0.0215311
BSU_04536	fbpA	164	304	171	475	319	311	630	0.7544	0.208532	8	0.04878	12	0.073170732
BSU_11280	yjaU	734	751	1067	1818	535	686	1221	1.4885	0.208552	28	0.038147	24	0.032697548
BSU_23710	polYB	1238	1894	923	2817	1623	1893	3516	0.8013	0.208553	42	0.033926	46	0.037156704
BSU_30210	bioD	695	752	1199	1951	1143	805	1948	1.0015	0.208979	34	0.048921	41	0.058992806
BSU_02000	ybdJ	671	2249	1683	3932	1752	1867	3619	1.0865	0.209022	42	0.062593	50	0.074515648
BSU_00300	yaaR	440	1958	145	2103	1311	6	1317	1.5964	0.209165	23	0.052273	20	0.045454545
BSU_09870	khtS	338	644	548	1192	158	640	798	1.4931	0.209417	12	0.035503	19	0.056213018
BSU_37810	spsL	455	1081	1222	2303	1918	1327	3245	0.7098	0.209436	22	0.048352	25	0.054945055
BSU_07550	yfIT	347	1265	1385	2650	1137	1114	2251	1.1772	0.20956	20	0.057637	16	0.04610951
BSU_29340	tcyN	779	138	343	481	306	282	588	0.8183	0.209725	15	0.019255	20	0.025673941
BSU_16870	efpI	728	798	463	1261	1007	1175	2182	0.5781	0.209919	23	0.031593	25	0.034340659
BSU_36130	chrA	536	739	704	1443	424	536	960	1.5026	0.210438	20	0.037313	16	0.029850746
BSU_02680	lmrA	566	430	551	981	1511	355	1866	0.526	0.210579	17	0.030035	20	0.035335689
BSU_34570	mdxK	2273	5487	3991	9478	5283	4493	9776	0.9695	0.210615	102	0.044875	117	0.051473823
BSU_18080	yneT	407	705	928	1633	757	654	1411	1.1572	0.210712	27	0.066339	28	0.068796069
BSU_37720	bacC	761	1643	1184	2827	1553	786	2339	1.2085	0.210811	31	0.040736	29	0.038107753
BSU_19070	yobS	575	397	1503	1900	626	1706	2332	0.8148	0.210835	19	0.033043	24	0.04173913
BSU_35700	tagH	1583	10	1497	1507	4	4506	4510	0.3343	0.211175	28	0.017688	32	0.020214782
BSU_05200	ydeH	446	4682	3670	8352	3539	3036	6575	1.2702	0.211336	58	0.130045	58	0.130044843
BSU_08220	yfiC	1814	1429	1356	2785	1428	1302	2730	1.0201	0.211385	54	0.029768	48	0.02646086
BSU_11730	cotO	683	661	508	1169	654	879	1533	0.7627	0.211553	19	0.027818	23	0.033674963
BSU_05860	gmuE	899	3356	4375	7731	2994	3310	6304	1.2263	0.211559	65	0.072303	59	0.065628476
BSU_02150	ybeF	248	1148	1030	2178	737	945	1682	1.2947	0.211601	26	0.104839	24	0.096774194

BSU_19060	yobR	743	1842	1509	3351	1612	882	2494	1.3435	0.211678	45	0.060565	44	0.059219381
BSU_32600	frlO	1268	718	1284	2002	1175	1085	2260	0.8859	0.2117	40	0.031546	51	0.04022082
BSU_24300	xseA	1346	259	824	1083	854	608	1462	0.7409	0.211907	37	0.027489	42	0.031203566
BSU_13710	ykvI	1043	1253	929	2182	1777	800	2577	0.8468	0.211918	42	0.040268	50	0.047938639
BSU_19720	yodR	653	654	490	1144	483	345	828	1.3812	0.211968	19	0.029096	26	0.039816233
BSU_40259	yyzG	170	1476	1295	2771	1608	1742	3350	0.8272	0.212039	16	0.094118	18	0.105882353
BSU_12000	manR	1946	4474	6044	10518	3690	3150	6840	1.5376	0.212128	105	0.053957	112	0.057553957
BSU_31875	yukAB	4487	5109	5234	10343	6253	4572	10825	0.9555	0.212315	141	0.031424	162	0.036104301
BSU_19390	yojN	914	1550	1503	3053	781	763	1544	1.9767	0.212336	46	0.050328	47	0.051422319
BSU_35710	tagG	827	4	55	59	4	4	8	6.6667	0.212864	2	0.002418	4	0.004836759
BSU_06790	yeeD	305	5513	4161	9674	3665	4153	7818	1.2374	0.21288	45	0.147541	47	0.154098361
BSU_26620	yrdR	965	4675	5006	9681	5886	5558	11444	0.846	0.212931	113	0.117098	118	0.122279793
BSU_07170	yetI	575	458	402	860	497	778	1275	0.6748	0.212969	25	0.043478	19	0.033043478
BSU_31190	rhaM	314	216	470	686	261	217	478	1.4342	0.213035	12	0.038217	9	0.02866242
BSU_24630	sipW	572	1457	812	2269	778	986	1764	1.2861	0.213044	32	0.055944	39	0.068181818
BSU_05640	ydgG	458	2966	1606	4572	1405	1539	2944	1.5528	0.21308	36	0.078603	34	0.074235808
BSU_21470	sunT	2117	8	14	22	8	22	30	0.7419	0.213202	11	0.005196	15	0.007085498
BSU_22230	ypqE	506	398	554	952	362	266	628	1.5151	0.213226	16	0.031621	23	0.045454545
BSU_39950	yxal	425	5490	6946	12436	5851	9602	15453	0.8048	0.213289	25	0.058824	26	0.061176471
BSU_09490	yhdJ	428	675	729	1404	650	410	1060	1.3242	0.213303	25	0.058411	21	0.049065421
BSU_02700	estA	638	598	1111	1709	975	1027	2002	0.8537	0.213403	32	0.050157	36	0.056426332
BSU_05820	gmuA	332	762	664	1426	1209	580	1789	0.7972	0.213419	13	0.039157	17	0.051204819
BSU_30240	bioW	776	2259	830	3089	1787	1244	3031	1.0191	0.213627	32	0.041237	36	0.046391753
BSU_38560	licH	1328	919	1314	2233	1260	1014	2274	0.982	0.213693	49	0.036898	44	0.03313253
BSU_39390	hutM	1427	6515	5660	12175	5994	5230	11224	1.0847	0.213783	107	0.074982	106	0.07428171
BSU_04450	dctS	1607	2106	2505	4611	1405	1806	3211	1.4359	0.213879	60	0.037337	59	0.036714375
BSU_17730	flvS	434	773	381	1154	206	229	435	2.6491	0.213914	18	0.041475	19	0.043778802
BSU_00480	ridA	377	801	623	1424	621	1793	2414	0.5901	0.213944	22	0.058355	23	0.061007958
BSU_34110	rsbP	1211	1427	1680	3107	973	1894	2867	1.0837	0.214315	46	0.037985	59	0.048720066
BSU_33740	yvaV	533	2086	2337	4423	1892	3112	5004	0.8839	0.214585	42	0.078799	44	0.082551595
BSU_18130	eglS	1499	1930	1839	3769	1819	2802	4621	0.8157	0.214594	77	0.051368	81	0.054036024

BSU_36200	ywql	260	404	221	625	336	66	402	1.5533	0.21475	13	0.05	11	0.042307692
BSU_07500	fecE	1001	5311	4087	9398	4407	3741	8148	1.1534	0.214958	64	0.063936	63	0.062937063
BSU_01950	skfE	719	2634	2314	4948	2258	2380	4638	1.0668	0.215037	47	0.065369	50	0.069541029
BSU_17050	mutL	1883	2882	3316	6198	1475	2515	3990	1.5532	0.215396	65	0.034519	61	0.032395114
BSU_02790	ycdB	1418	1258	1393	2651	2139	1802	3941	0.6728	0.215582	49	0.034556	58	0.04090268
BSU_24380	spolIIAF	620	812	739	1551	1454	972	2426	0.6395	0.215827	28	0.045161	30	0.048387097
BSU_35070	pchC	746	946	952	1898	1049	838	1887	1.0058	0.215872	29	0.038874	35	0.04691689
BSU_32380	yunE	821	954	693	1647	993	989	1982	0.8311	0.216256	28	0.034105	36	0.043848965
BSU_22670	trpD	1016	405	669	1074	482	379	861	1.2471	0.216409	23	0.022638	30	0.029527559
BSU_02120	ybeC	1619	5348	5469	10817	4519	4467	8986	1.2037	0.21685	103	0.06362	101	0.062384188
BSU_00850	mcsB	1091	3600	3193	6793	3376	2969	6345	1.0706	0.216853	64	0.058662	77	0.070577452
BSU_36250	ptkA	713	565	669	1234	823	638	1461	0.8447	0.217272	20	0.02805	26	0.036465638
BSU_31319	yuzI	263	99	42	141	99	98	197	0.7172	0.217291	4	0.015209	6	0.022813688
BSU_26430	yrkP	695	2641	2735	5376	1576	2363	3939	1.3647	0.217639	53	0.076259	49	0.070503597
BSU_02330	ybfQ	968	5495	5375	10870	3568	4971	8539	1.273	0.21817	70	0.072314	69	0.071280992
BSU_08080	acoC	1196	688	556	1244	538	625	1163	1.0696	0.218307	24	0.020067	29	0.024247492
BSU_04400	gsiB	371	42	527	569	142	352	494	1.1515	0.218494	5	0.013477	8	0.021563342
BSU_39420	deoC	671	1353	2049	3402	2996	1993	4989	0.682	0.218551	35	0.052161	41	0.061102832
BSU_38440	ywaF	713	1706	3050	4756	2127	2391	4518	1.0527	0.218553	34	0.047686	42	0.058906031
BSU_26550	yrkD	191	77	63	140	65	81	146	0.9592	0.218694	10	0.052356	6	0.031413613
BSU_40030	yxkB	1031	3279	2924	6203	3994	3149	7143	0.8684	0.218766	66	0.064016	75	0.072744908
BSU_21350	cwlP	6857	31	6	37	34	2	36	1.027	0.218834	9	0.001313	6	0.000875018
BSU_26480	yrkK	476	3792	5986	9778	3309	3694	7003	1.3962	0.218947	75	0.157563	75	0.157563025
BSU_24470	yqhS	446	645	534	1179	449	375	824	1.4303	0.219113	15	0.033632	23	0.051569507
BSU_02890	yceC	599	729	1008	1737	524	573	1097	1.5829	0.21921	27	0.045075	25	0.041736227
BSU_27900	pheA	857	1755	1082	2837	1186	673	1859	1.5258	0.219254	35	0.04084	46	0.053675613
BSU_00050	remB	245	2584	138	2722	2675	25	2700	1.0081	0.219481	21	0.085714	17	0.069387755
BSU_06038	ydzTn	305	1340	968	2308	662	1480	2142	1.0775	0.21954	28	0.091803	26	0.085245902
BSU_13720	queC	659	561	542	1103	290	297	587	1.8776	0.219717	19	0.028832	26	0.039453718
BSU_29560	ytcl	1589	1457	1778	3235	2342	1796	4138	0.7818	0.220138	50	0.031466	62	0.03901825
BSU_37560	thrZ	1916	2308	2706	5014	2458	2555	5013	1.0002	0.220296	56	0.029228	64	0.033402923

BSU_08340	padR	548	699	810	1509	638	279	917	1.6449	0.220626	24	0.043796	22	0.040145985
BSU_39910	yxnB	482	8455	8267	16722	5921	8375	14296	1.1697	0.220648	58	0.120332	57	0.118257261
BSU_34600	mdxF	1307	6578	5370	11948	7423	5827	13250	0.9017	0.220662	76	0.058148	71	0.054322877
BSU_35420	flgN	482	502	935	1437	1023	1027	2050	0.7011	0.220885	28	0.058091	28	0.058091286
BSU_17870	dinL	653	858	834	1692	1018	1117	2135	0.7926	0.22111	34	0.052067	38	0.058192956
BSU_26280	yqaK	854	1537	1839	3376	1473	1297	2770	1.2187	0.221164	50	0.058548	68	0.079625293
BSU_misc_R	surX	150	189	67	256	99	263	362	0.708	0.221276	3	0.02	5	0.033333333
BSU_11710	thiD	815	763	1628	2391	1373	1523	2896	0.8257	0.221366	28	0.034356	32	0.039263804
BSU_19230	azoj	626	1481	1868	3349	1295	1270	2565	1.3055	0.221639	36	0.057508	35	0.055910543
BSU_18689		155	487	901	1388	788	462	1250	1.1103	0.221734	22	0.141935	19	0.122580645
BSU_26240	yqaO	206	406	572	978	115	258	373	2.6176	0.221897	11	0.053398	11	0.053398058
BSU_01140	ybaC	956	1602	1487	3089	1991	2375	4366	0.7076	0.221937	47	0.049163	52	0.054393305
BSU_08899	ygzD	200	57	39	96	120	43	163	0.5915	0.222025	5	0.025	7	0.035
BSU_03070	mdr	1538	2752	2072	4824	2375	1456	3831	1.2591	0.222511	48	0.031209	60	0.039011704
BSU_39820	htpG	1880	6477	5083	11560	5863	4391	10254	1.1274	0.222521	96	0.051064	105	0.055851064
BSU_28960	ytxC	845	1327	1887	3214	2177	1183	3360	0.9566	0.222531	38	0.04497	45	0.053254438
BSU_misc_R	mswJ	106	61	166	227	135	81	216	1.0507	0.222626	3	0.028302	6	0.056603774
BSU_32030	bioYB	602	2719	3326	6045	1950	2552	4502	1.3427	0.222662	39	0.064784	39	0.064784053
BSU_05780	ydhJ	977	3436	2345	5781	4409	2467	6876	0.8408	0.222826	58	0.059365	63	0.064483112
BSU_10010	trpP	518	505	156	661	224	273	497	1.3293	0.222912	12	0.023166	16	0.030888031
BSU_40770	tetB	1376	33921	37593	71514	31517	29429	60946	1.1734	0.222912	177	0.128634	182	0.132267442
BSU_11800	yjcB	215	91	101	192	235	0	235	0.8178	0.222988	3	0.013953	1	0.004651163
BSU_09530	akrN	995	1769	1409	3178	1843	1859	3702	0.8585	0.223041	42	0.042211	49	0.049246231
BSU_24790	yqgX	635	434	305	739	403	298	701	1.0541	0.223157	19	0.029921	24	0.037795276
BSU_08779	ygzC	272	113	462	575	639	305	944	0.6095	0.223389	8	0.029412	10	0.036764706
BSU_00310	holB	989	2	8	10	1001	1172	2173	0.0051	0.223632	3	0.003033	5	0.005055612
BSU_02580	ycbO	686	1208	1294	2502	915	1329	2244	1.1149	0.223948	32	0.046647	27	0.039358601
BSU_13800	ykvR	290	785	683	1468	601	475	1076	1.364	0.224392	21	0.072414	20	0.068965517
BSU_36570	ywnG	518	430	1045	1475	236	663	899	1.64	0.224581	15	0.028958	22	0.042471042
BSU_39510	snaB	497	886	895	1781	1587	1053	2640	0.6747	0.224596	18	0.036217	22	0.044265594
BSU_misc_R	gswD	102	288	51	339	102	432	534	0.6355	0.224705	7	0.068627	8	0.078431373

BSU_19220	recQ	1775	3927	3616	7543	4117	3668	7785	0.9689	0.22501	91	0.051268	102	0.057464789
BSU_30940	glgP	2396	3711	2336	6047	3009	2452	5461	1.1073	0.225064	90	0.037563	104	0.043405676
BSU_26360	yqaD	167	450	120	570	342	327	669	0.8522	0.22529	12	0.071856	16	0.095808383
BSU_38150	qoxC	614	51	21	72	40	45	85	0.8488	0.225511	6	0.009772	9	0.01465798
BSU_26700	azlD	332	448	620	1068	553	339	892	1.1971	0.225525	17	0.051205	15	0.045180723
BSU_10090	yhgB	314	290	523	813	600	352	952	0.8541	0.225629	10	0.031847	12	0.038216561
BSU_37780	rocA	1547	3087	2020	5107	4678	2098	6776	0.7537	0.225788	52	0.033613	60	0.038784745
BSU_01870	ybcH	290	1072	795	1867	741	787	1528	1.2217	0.22586	28	0.096552	23	0.079310345
BSU_18560	yoaD	1034	978	990	1968	966	833	1799	1.0939	0.225983	46	0.044487	42	0.040618956
BSU_05730	ydhF	710	425	870	1295	524	644	1168	1.1086	0.226055	26	0.03662	32	0.045070423
BSU_28490	uvrC	1772	1177	1178	2355	1319	1070	2389	0.9858	0.226236	45	0.025395	51	0.028781038
BSU_39740	iolC	977	5296	4480	9776	4370	3424	7794	1.2543	0.226241	61	0.062436	65	0.066530194
BSU_14450	ampS	1232	1577	2813	4390	1905	1235	3140	1.398	0.22643	42	0.034091	54	0.043831169
BSU_39370	hutI	1265	4524	5457	9981	4344	4349	8693	1.1481	0.226518	50	0.039526	59	0.046640316
BSU_26570	yrkB	146	395	738	1133	185	301	486	2.3285	0.226603	11	0.075342	11	0.075342466
BSU_tRNA_7	trnSL-Val	75	0	0	0	28	0	28	0.0345	0.226627	0	0	1	0.013333333
BSU_tRNA_3	trnD-Val	75	0	0	0	32	0	32	0.0303	0.226627	0	0	1	0.013333333
BSU_36575		131	0	0	0	4	0	4	0.2	0.226627	0	0	1	0.007633588
BSU_tRNA_1	trnY-Phe	72	0	38	38	0	0	0	39	0.226627	1	0.013889	0	0
BSU_12950	dppD	1007	779	426	1205	1014	851	1865	0.6463	0.226676	19	0.018868	23	0.022840119
BSU_34460	levB	1550	5250	5174	10424	4741	6434	11175	0.9328	0.227117	90	0.058065	95	0.061290323
BSU_04650	ndoAI	281	87	263	350	308	671	979	0.3582	0.227122	8	0.02847	8	0.028469751
BSU_25380	floA	995	421	178	599	528	131	659	0.9091	0.227213	17	0.017085	22	0.022110553
BSU_01820	adaB	539	1529	1764	3293	1536	1223	2759	1.1935	0.227631	39	0.072356	36	0.066790353
BSU_14210	mscT	803	861	838	1699	1048	903	1951	0.8709	0.227665	36	0.044832	42	0.052303861
BSU_35400	flgL	896	2815	3120	5935	3302	2793	6095	0.9738	0.227726	81	0.090402	76	0.084821429
BSU_30700	rpmEB	248	88	106	194	318	75	393	0.4949	0.227891	9	0.03629	11	0.044354839
BSU_04730	sigB	788	566	1127	1693	578	777	1355	1.2493	0.228134	19	0.024112	25	0.031725888
BSU_22200	cotD	227	90	1190	1280	214	162	376	3.3979	0.2283	8	0.035242	13	0.057268722
BSU_06200	ydjH	764	3284	4141	7425	3016	3823	6839	1.0857	0.228491	52	0.068063	63	0.082460733
BSU_15000	ylbG	272	453	349	802	264	583	847	0.9469	0.228692	17	0.0625	19	0.069852941

BSU_07310	yfnD	935	2072	2686	4758	5273	3035	8308	0.5728	0.228699	66	0.070588	70	0.07486631
BSU_18260	ldeJ	1142	1112	1747	2859	1713	846	2559	1.1172	0.228877	36	0.031524	43	0.03765324
BSU_28820	frvX	1085	485	455	940	466	396	862	1.0904	0.228942	28	0.025806	34	0.031336406
BSU_17250	ymaE	824	1866	1531	3397	1481	1203	2684	1.2655	0.229413	40	0.048544	47	0.057038835
BSU_19760	cgeD	1280	1426	1107	2533	1252	1894	3146	0.8052	0.229503	54	0.042188	64	0.05
BSU_39060	citH	1280	3171	3042	6213	3324	4276	7600	0.8175	0.22951	48	0.0375	56	0.04375
BSU_35880	capA	1142	1833	1419	3252	1269	1102	2371	1.3714	0.22977	49	0.042907	50	0.043782837
BSU_19479	yoyC	278	141	213	354	220	279	499	0.71	0.229891	9	0.032374	12	0.043165468
BSU_09880	yhaR	767	432	341	773	353	109	462	1.6717	0.229994	11	0.014342	9	0.011734029
BSU_32610	frlB	986	1154	865	2019	1611	837	2448	0.8248	0.230023	39	0.039554	45	0.045638945
BSU_23990	brxB	437	293	256	549	369	104	473	1.1603	0.230292	12	0.02746	17	0.038901602
BSU_10600	yhjQ	326	59	185	244	137	199	336	0.727	0.230648	6	0.018405	8	0.024539877
BSU_03290	nasE	320	984	703	1687	411	429	840	2.0071	0.230667	17	0.053125	16	0.05
BSU_30090	rmgU	668	734	783	1517	618	1036	1654	0.9172	0.230746	23	0.034431	30	0.04491018
BSU_12540	xkdD	350	59	453	512	284	360	644	0.7953	0.230805	8	0.022857	12	0.034285714
BSU_07640	acyP	275	88	46	134	79	73	152	0.8824	0.230843	2	0.007273	4	0.014545455
BSU_28040	ysxA	695	156	478	634	319	408	727	0.8723	0.231035	18	0.025899	23	0.033093525
BSU_24980	pstC	929	406	607	1013	467	611	1078	0.9398	0.23115	24	0.025834	28	0.030139935
BSU_07630	nosA	1091	1784	1313	3097	1415	2033	3448	0.8982	0.2313	35	0.032081	41	0.037580202
BSU_14590	pdhB	977	101	25	126	25	87	112	1.1239	0.231597	7	0.007165	10	0.010235415
BSU_14700	nprE	1565	899	1453	2352	1121	724	1845	1.2746	0.231764	43	0.027476	52	0.033226837
BSU_10060	ecsC	710	464	172	636	217	111	328	1.9362	0.231863	17	0.023944	15	0.021126761
BSU_37680	bacG	779	307	1398	1705	680	1124	1804	0.9452	0.232164	26	0.033376	29	0.037227214
BSU_00270	yaaO	1442	3338	6	3344	4575	0	4575	0.731	0.232304	37	0.025659	43	0.029819695
BSU_10720	gerPA	221	65	65	130	131	94	225	0.5796	0.232538	6	0.027149	8	0.036199095
BSU_28910	pftA	440	608	494	1102	467	285	752	1.4648	0.232595	19	0.043182	17	0.038636364
BSU_31720	degQ	140	506	373	879	594	554	1148	0.7659	0.232827	15	0.107143	15	0.107142857
BSU_10200	yhfE	1040	2279	2483	4762	1489	2797	4286	1.111	0.232843	50	0.048077	59	0.056730769
BSU_28060	spolIB	998	815	919	1734	1389	933	2322	0.7469	0.232887	27	0.027054	34	0.034068136
BSU_26530	yrkF	557	713	1136	1849	1101	1011	2112	0.8755	0.233168	35	0.062837	41	0.073608618
BSU_35350	yvyC	329	1055	2174	3229	1858	1687	3545	0.9109	0.233429	32	0.097264	34	0.103343465

BSU_08110	sspH	179	172	471	643	377	506	883	0.7285	0.233466	11	0.061453	13	0.072625698
BSU_09760	yheE	218	208	294	502	420	316	736	0.6825	0.233488	11	0.050459	13	0.059633028
BSU_34640	yvdD	575	373	1126	1499	592	1412	2004	0.7481	0.23369	17	0.029565	21	0.036521739
BSU_36680	ywmF	500	1719	2271	3990	1924	1662	3586	1.1126	0.233771	27	0.054	32	0.064
BSU_34090	yvfR	905	1063	1059	2122	1121	1217	2338	0.9077	0.233812	25	0.027624	30	0.033149171
BSU_25890	yqxl	479	809	1332	2141	1366	903	2269	0.9436	0.233899	39	0.08142	43	0.089770355
BSU_misc_R	mswF	91	68	164	232	149	124	273	0.8504	0.234049	3	0.032967	5	0.054945055
BSU_16350	fliP	665	493	1363	1856	653	757	1410	1.3161	0.234196	32	0.04812	29	0.043609023
BSU_26980	yraE	197	80	82	162	25	275	300	0.5415	0.23436	7	0.035533	8	0.040609137
BSU_08930	trmL	482	885	1104	1989	598	672	1270	1.5657	0.234394	27	0.056017	23	0.047717842
BSU_34560	mdxL	1685	2347	3012	5359	2986	2444	5430	0.9869	0.234579	66	0.039169	76	0.045103858
BSU_08480	yfhC	584	479	455	934	254	355	609	1.5328	0.234657	17	0.02911	14	0.023972603
BSU_11470	oppF	917	935	786	1721	1071	804	1875	0.9179	0.234836	29	0.031625	35	0.038167939
BSU_05180	ydeF	1388	8729	8821	17550	7969	7731	15700	1.1178	0.234898	126	0.090778	126	0.090778098
BSU_11640	kefQ	1844	974	1729	2703	643	336	979	2.7592	0.234966	49	0.026573	50	0.027114967
BSU_23620	yqkF	920	923	834	1757	675	962	1637	1.0733	0.235149	29	0.031522	38	0.041304348
BSU_10960	yitE	629	909	673	1582	313	673	986	1.6039	0.235187	28	0.044515	25	0.039745628
BSU_27640	yrvC	497	362	450	812	388	627	1015	0.8002	0.235225	14	0.028169	20	0.040241449
BSU_36500	ywoB	464	1776	1352	3128	1999	509	2508	1.2471	0.235296	31	0.06681	30	0.064655172
BSU_36120	chrB	593	694	359	1053	1055	500	1555	0.6774	0.235495	24	0.040472	28	0.047217538
BSU_29140	citZ	1118	1487	1178	2665	1404	1115	2519	1.0579	0.235627	29	0.025939	35	0.031305903
BSU_31590	yufS	215	105	227	332	299	116	415	0.8005	0.235955	7	0.032558	10	0.046511628
BSU_40430	yyeE	419	588	438	1026	239	403	642	1.5972	0.236028	19	0.045346	18	0.042959427
BSU_14320	yknU	1757	1752	1731	3483	1265	1805	3070	1.1345	0.236034	69	0.039271	81	0.046101309
BSU_23401	spoVAE/	611	150	743	893	207	435	642	1.3904	0.236077	16	0.026187	21	0.034369885
BSU_01550	gerD	557	814	769	1583	928	855	1783	0.8879	0.236203	32	0.057451	29	0.052064632
BSU_misc_R	srrA	210	63	109	172	121	238	359	0.4806	0.236553	5	0.02381	7	0.033333333
BSU_09070	yhcG	698	354	1102	1456	372	1304	1676	0.8688	0.236674	21	0.030086	24	0.034383954
BSU_08060	acoA	1001	2263	1787	4050	1560	2166	3726	1.0869	0.236857	48	0.047952	46	0.045954046
BSU_16200	fliE	320	232	425	657	173	131	304	2.1574	0.236997	8	0.025	12	0.0375
BSU_26590	blt	1202	4219	3969	8188	4452	3220	7672	1.0672	0.237091	96	0.079867	94	0.078202995

BSU_00150	dgk	623	2700	2667	5367	3728	1813	5541	0.9686	0.237094	55	0.088283	51	0.081861958
BSU_10030	hinT	437	1215	1086	2301	1221	873	2094	1.0988	0.237169	27	0.061785	24	0.054919908
BSU_27890	niaR	542	1085	1519	2604	1166	1724	2890	0.9011	0.23727	25	0.046125	30	0.055350554
BSU_06980	rhgP	929	1501	1960	3461	670	1626	2296	1.5072	0.2379	42	0.04521	48	0.051668461
BSU_22560	qcrA	503	299	320	619	182	135	317	1.9497	0.237923	16	0.031809	14	0.027833002
BSU_26320	yqaG	569	1760	2026	3786	1299	1850	3149	1.2022	0.237933	47	0.082601	44	0.077328647
BSU_38710	yxIA	1373	3202	1803	5005	2944	1798	4742	1.0555	0.238009	53	0.038602	61	0.044428259
BSU_05000	yddK	800	4	2	6	4	6	10	0.6364	0.238062	3	0.00375	5	0.00625
BSU_40780	tetL	62	2033	3139	5172	2819	1683	4502	1.1488	0.238114	14	0.225806	14	0.225806452
BSU_40529	yyzH	149	1239	2333	3572	655	1720	2375	1.5038	0.238117	16	0.107383	17	0.11409396
BSU_36610	ywnC	383	804	1371	2175	595	571	1166	1.8646	0.238161	20	0.052219	16	0.041775457
BSU_40610	yybK	755	84250	84829	169079	81003	86670	167673	1.0084	0.238239	194	0.256954	197	0.260927152
BSU_20810	yopP	1076	2	4	6	4	6	10	0.6364	0.238294	3	0.002788	5	0.00464684
BSU_30410	ytrF	1310	1557	1865	3422	1569	1710	3279	1.0436	0.238323	52	0.039695	60	0.045801527
BSU_10930	yitB	710	598	503	1101	892	948	1840	0.5986	0.238357	20	0.028169	21	0.029577465
BSU_23700	yqjX	338	126	128	254	154	282	436	0.5835	0.238376	7	0.02071	11	0.032544379
BSU_34370	epsA	704	2472	2200	4672	3008	1950	4958	0.9423	0.238401	38	0.053977	32	0.045454545
BSU_22170	rlmKB	1157	872	895	1767	963	558	1521	1.1616	0.238513	31	0.026793	37	0.031979257
BSU_13350	ykoN	1121	1625	1540	3165	1818	1855	3673	0.8617	0.238864	44	0.039251	54	0.048171276
BSU_34920	hisG	641	613	1153	1766	1227	433	1660	1.0638	0.238932	25	0.039002	21	0.03276131
BSU_00530	pth	566	8	73	81	25	69	94	0.8632	0.238932	5	0.008834	3	0.005300353
BSU_06970	yesO	1283	1537	2299	3836	1397	2294	3691	1.0393	0.23926	55	0.042868	64	0.049883087
BSU_06990	rhgQ	890	1073	830	1903	1164	1237	2401	0.7927	0.239368	27	0.030337	32	0.035955056
BSU_04470	dctP	1265	1633	1379	3012	1183	1282	2465	1.2218	0.239427	44	0.034783	55	0.043478261
BSU_19650	pgpB	611	975	872	1847	1094	588	1682	1.098	0.239436	36	0.05892	31	0.050736498
BSU_31321	mstX	332	667	679	1346	961	413	1374	0.9796	0.239504	22	0.066265	20	0.060240964
BSU_28650	rlmBB	746	591	850	1441	838	509	1347	1.0697	0.239573	16	0.021448	23	0.030831099
BSU_36540	ywnJ	422	1364	576	1940	935	745	1680	1.1547	0.239729	16	0.037915	19	0.045023697
BSU_19310	dhaS	1487	2148	1719	3867	929	2111	3040	1.272	0.239737	66	0.044385	65	0.043712172
BSU_37050	maeA	1748	2985	2942	5927	2992	2876	5868	1.0101	0.239804	89	0.050915	85	0.048627002
BSU_16340	flüZ	659	332	390	722	453	256	709	1.0183	0.239869	16	0.024279	13	0.019726859

BSU_40980	yyaB	440	4786	5150	9936	5119	4468	9587	1.0364	0.240006	43	0.097727	45	0.102272727
BSU_37770	rocB	1700	4038	5670	9708	4330	3283	7613	1.2752	0.240009	77	0.045294	86	0.050588235
BSU_05070	yddQ	542	11732	12119	23851	10457	10414	20871	1.1428	0.240154	64	0.118081	63	0.116236162
BSU_36380	rapD	1064	2202	2343	4545	1221	1535	2756	1.6489	0.240348	60	0.056391	69	0.064849624
BSU_12910	proCC	818	637	520	1157	414	516	930	1.2438	0.240451	18	0.022005	23	0.028117359
BSU_02350	gamP	1895	4061	3640	7701	3582	4269	7851	0.9809	0.240511	85	0.044855	82	0.043271768
BSU_07860	yfKL	1190	2839	2286	5125	2273	2488	4761	1.0764	0.240798	66	0.055462	75	0.06302521
BSU_38460	tyrZ	1241	1991	2644	4635	1546	1793	3339	1.388	0.2408	47	0.037873	46	0.037066882
BSU_33770	spbC	611	6444	6676	13120	6135	8135	14270	0.9194	0.240838	79	0.129296	86	0.140752864
BSU_02870	znuB	842	1033	761	1794	1188	1295	2483	0.7226	0.240859	50	0.059382	53	0.062945368
BSU_03530	srfT	1226	1102	516	1618	692	484	1176	1.3755	0.240965	26	0.021207	32	0.026101142
BSU_26870	yraN	869	2415	2861	5276	5905	2947	8852	0.5961	0.24098	75	0.086306	80	0.092059839
BSU_misc_R	tboT	247	88	59	147	26	15	41	3.5238	0.241055	5	0.020243	4	0.016194332
BSU_40530	cotF	482	5087	3987	9074	4653	4422	9075	0.9999	0.24115	35	0.072614	39	0.080912863
BSU_19740	yodT	1334	1281	1298	2579	1649	1274	2923	0.8824	0.24137	44	0.032984	50	0.037481259
BSU_12650	xkdK	1400	1188	2315	3503	1640	1142	2782	1.2591	0.241527	41	0.029286	51	0.036428571
BSU_06073	ydZWc	269	216	150	366	251	109	360	1.0166	0.241646	10	0.037175	9	0.033457249
BSU_23910	yqjE	1115	797	362	1159	471	397	868	1.3349	0.241956	23	0.020628	30	0.02690583
BSU_12740	xkdU	578	496	279	775	329	467	796	0.9737	0.242095	15	0.025952	11	0.019031142
BSU_misc_R	mSwA	120	65	50	115	185	19	204	0.5659	0.242283	2	0.016667	4	0.033333333
BSU_36510	amtB	1214	1747	2513	4260	2056	1664	3720	1.1451	0.24264	45	0.037068	41	0.033772652
BSU_34290	epsI	1076	1574	680	2254	1444	1122	2566	0.8785	0.242659	30	0.027881	37	0.034386617
BSU_11809	yjcZ	149	134	2	136	56	40	96	1.4124	0.242921	3	0.020134	5	0.033557047
BSU_26720	azlB	473	1906	1916	3822	1783	844	2627	1.4547	0.243017	46	0.097252	45	0.095137421
BSU_00010	dnaA	1340	80	2	82	36	12	48	1.6939	0.243053	3	0.002239	5	0.003731343
BSU_23430	spoVAB	425	443	120	563	141	354	495	1.1371	0.24332	14	0.032941	19	0.044705882
BSU_36260	tkmA	746	1885	1337	3222	1519	989	2508	1.2846	0.24358	31	0.041555	42	0.056300268
BSU_15200	murD	1355	87	2	89	136	0	136	0.6569	0.243605	5	0.00369	3	0.002214022
BSU_19190	desK	1112	3363	2605	5968	2870	2187	5057	1.1801	0.243643	72	0.064748	83	0.074640288
BSU_13640	spo0E	257	535	205	740	265	47	312	2.3674	0.24372	11	0.042802	10	0.038910506
BSU_24810	yqgV	314	332	607	939	234	381	615	1.526	0.243737	8	0.025478	13	0.041401274

BSU_03410	bglC	1433	2905	2732	5637	1720	1713	3433	1.6418	0.243799	64	0.044662	66	0.046057223
BSU_03740	yclI	1460	3931	2017	5948	3189	2116	5305	1.1212	0.243858	59	0.040411	72	0.049315068
BSU_13320	yzkZ	155	99	38	137	158	90	248	0.5542	0.243881	3	0.019355	5	0.032258065
BSU_17099		266	529	1206	1735	728	912	1640	1.0579	0.243916	23	0.086466	29	0.109022556
BSU_18239	lgeHB	221	305	94	399	425	143	568	0.703	0.244018	5	0.022624	7	0.031674208
BSU_37550	ywhA	419	808	364	1172	696	754	1450	0.8084	0.244106	17	0.040573	22	0.052505967
BSU_31800	yueF	1109	1347	1549	2896	1113	1024	2137	1.355	0.244161	45	0.040577	56	0.050495942
BSU_06050	ydiN	215	3401	3387	6788	2810	2437	5247	1.2936	0.244188	35	0.162791	34	0.158139535
BSU_06580	yerC	314	513	525	1038	111	488	599	1.7317	0.244212	12	0.038217	11	0.035031847
BSU_11150	yitV	767	1039	836	1875	1818	773	2591	0.7238	0.244264	29	0.03781	31	0.04041721
BSU_30370	bceB	1940	2786	2536	5322	2130	2938	5068	1.0501	0.244375	91	0.046907	87	0.044845361
BSU_24610	sinR	335	432	309	741	387	345	732	1.0123	0.24454	13	0.038806	17	0.050746269
BSU_18730	yoaS	482	2868	1683	4551	1892	1878	3770	1.2071	0.244653	54	0.112033	53	0.109958506
BSU_02500	garR	701	1171	828	1999	826	621	1447	1.3812	0.244784	21	0.029957	20	0.02853067
BSU_14030	ykuC	1292	1338	1750	3088	1528	998	2526	1.2224	0.244893	62	0.047988	75	0.058049536
BSU_35210	yvkA	1334	3786	4491	8277	4047	4227	8274	1.0004	0.244938	69	0.051724	80	0.059970015
BSU_25730	yqeC	893	660	925	1585	816	820	1636	0.9688	0.245198	35	0.039194	40	0.044792833
BSU_34310	epsG	1103	2738	1372	4110	1830	2069	3899	1.0541	0.245562	49	0.044424	57	0.051677244
BSU_19480	vojE	896	1450	1897	3347	1156	1605	2761	1.2122	0.245603	49	0.054688	48	0.053571429
BSU_04190	ydaD	860	1548	2268	3816	1307	1580	2887	1.3217	0.245783	41	0.047674	41	0.047674419
BSU_36040	ywrJ	677	2516	2682	5198	3327	2034	5361	0.9696	0.245792	62	0.091581	70	0.103397341
BSU_18849	yoZV	239	5077	4919	9996	4569	2668	7237	1.3812	0.245829	41	0.171548	41	0.171548117
BSU_24940	yqzC	464	116	97	213	29	123	152	1.3987	0.245973	8	0.017241	6	0.012931034
BSU_17230	pksS	1217	1300	1913	3213	1410	1620	3030	1.0604	0.246104	47	0.03862	55	0.045193098
BSU_26840	sigZ	530	469	720	1189	862	912	1774	0.6704	0.246271	29	0.054717	35	0.066037736
BSU_24020	bmrR	836	996	758	1754	1234	1045	2279	0.7697	0.246389	40	0.047847	45	0.053827751
BSU_08460	szxA	1031	2273	1700	3973	1079	1810	2889	1.3751	0.246617	39	0.037827	48	0.046556741
BSU_23380	lysA	1319	1632	1618	3250	2154	1737	3891	0.8353	0.246773	53	0.040182	60	0.045489007
BSU_10590	yhjP	1727	1011	1398	2409	706	770	1476	1.6317	0.246931	44	0.025478	43	0.024898668
BSU_18300	ppsE	3839	6298	5083	11381	4705	4499	9204	1.2365	0.247012	169	0.044022	176	0.045845272
BSU_05360	ydfC	920	4054	4751	8805	3332	3483	6815	1.292	0.247079	74	0.080435	76	0.082608696

BSU_08100	acoR	1817	1053	671	1724	823	588	1411	1.2217	0.247086	35	0.019263	43	0.023665382
BSU_08210	yfiB	1721	2099	1388	3487	1511	1945	3456	1.009	0.247149	48	0.027891	57	0.033120279
BSU_37480	ywhH	473	60	350	410	93	117	210	1.9479	0.247356	9	0.019027	7	0.014799154
BSU_06280	ydjP	815	953	1453	2406	740	1104	1844	1.3046	0.247565	34	0.041718	35	0.042944785
BSU_37090	glpX	965	484	691	1175	1149	331	1480	0.7941	0.2478	13	0.013472	18	0.01865285
BSU_23630	yqkE	224	38	63	101	157	66	223	0.4554	0.24785	4	0.017857	6	0.026785714
BSU_39660	tpeJ	689	1537	1339	2876	1293	2525	3818	0.7533	0.247891	32	0.046444	36	0.052249637
BSU_16010	ylqD	386	284	0	284	661	2	663	0.4292	0.247927	7	0.018135	9	0.023316062
BSU_33980	yvbT	1010	1581	1961	3542	1256	1850	3106	1.1403	0.247984	29	0.028713	27	0.026732673
BSU_21680	msrB	431	499	1020	1519	242	450	692	2.1934	0.248056	25	0.058005	26	0.060324826
BSU_40939	yyzM	206	1276	799	2075	1003	510	1513	1.3712	0.248523	4	0.019417	7	0.033980583
BSU_23330	ypuC	287	307	679	986	311	621	932	1.0579	0.248609	10	0.034843	12	0.041811847
BSU_01460	ecfAB	830	1513	865	2378	1901	1279	3180	0.7479	0.248766	29	0.03494	34	0.040963855
BSU_24830	yqgT	1130	1574	1755	3329	1650	1937	3587	0.9281	0.248884	47	0.041593	54	0.047787611
BSU_40920	engD	1100	4965	4572	9537	6566	6175	12741	0.7485	0.248999	68	0.061818	69	0.062727273
BSU_32370	yunD	1388	1376	1918	3294	1678	1655	3333	0.9883	0.249058	53	0.038184	63	0.045389049
BSU_34520	cotNP	1343	3621	4176	7797	4452	3170	7622	1.023	0.249266	107	0.079672	102	0.075949367
BSU_30170	yticP	860	1076	880	1956	1165	936	2101	0.931	0.249464	34	0.039535	39	0.045348837
BSU_29090	polA	2642	1661	1673	3334	1552	1345	2897	1.1508	0.249866	61	0.023089	72	0.027252082
BSU_07350	vdhT	1457	1908	2760	4668	1984	2526	4510	1.035	0.249966	49	0.033631	62	0.042553191
BSU_22720	cheR	770	668	612	1280	875	198	1073	1.1927	0.249998	23	0.02987	29	0.037662338
BSU_34500	psmB	320	655	686	1341	1085	1010	2095	0.6403	0.250067	17	0.053125	21	0.065625
BSU_25840	phrE	134	1111	420	1531	355	727	1082	1.4146	0.250361	12	0.089552	9	0.067164179
BSU_38800	yxkH	839	1317	1254	2571	1142	1128	2270	1.1325	0.250533	22	0.026222	19	0.022646007
BSU_34010	yvbW	1343	2277	1954	4231	1958	1968	3926	1.0777	0.250631	68	0.050633	79	0.058823529
BSU_24840	ltaSC	1916	2398	2243	4641	2164	1833	3997	1.1611	0.250903	76	0.039666	89	0.046450939
BSU_02830	ycdF	776	607	1051	1658	615	962	1577	1.0513	0.251363	17	0.021907	23	0.029639175
BSU_19550	noxC	608	992	681	1673	567	769	1336	1.2521	0.251465	32	0.052632	31	0.050986842
BSU_28050	maf	569	520	887	1407	324	489	813	1.7297	0.251693	20	0.035149	18	0.031634446
BSU_23190	dacB	1148	2016	2015	4031	1920	1962	3882	1.0384	0.25175	41	0.035714	48	0.041811847
BSU_misc_R	mswC	156	21	19	40	2	0	2	13.6667	0.251816	2	0.012821	1	0.006410256

BSU_12300	uxaC	1421	1513	1745	3258	1951	2389	4340	0.7507	0.251943	47	0.033075	53	0.037297678
BSU_09570	yhdR	1181	1172	1561	2733	1240	1423	2663	1.0263	0.252006	44	0.037257	51	0.043183743
BSU_14920	ctaF	332	587	244	831	253	392	645	1.2879	0.252049	11	0.033133	15	0.045180723
BSU_40230	rlmH	479	11645	13263	24908	10092	8276	18368	1.356	0.252115	43	0.08977	42	0.087682672
BSU_31550	nupO	1532	1185	873	2058	831	1816	2647	0.7776	0.25219	36	0.023499	43	0.028067885
BSU_03930	gdh	785	1065	1825	2890	894	766	1660	1.7405	0.252198	37	0.047134	35	0.044585987
BSU_24960	pstBA	809	656	555	1211	869	653	1522	0.7958	0.252206	26	0.032138	31	0.038318912
BSU_18908	yozY	260	11932	14264	26196	7741	13102	20843	1.2568	0.252298	47	0.180769	49	0.188461538
BSU_34720	psdR	713	819	1835	2654	675	1271	1946	1.3636	0.25246	28	0.039271	26	0.036465638
BSU_24870	glpG	1523	1280	1822	3102	1221	1530	2751	1.1275	0.252483	57	0.037426	55	0.036112935
BSU_30280	msmF	911	1026	1335	2361	1022	1133	2155	1.0955	0.252856	36	0.039517	44	0.048298573
BSU_34950	pelC	665	1616	1139	2755	956	2139	3095	0.8902	0.253002	22	0.033083	25	0.037593985
BSU_29610	ezrA	1688	782	602	1384	173	295	468	2.9531	0.253118	25	0.01481	23	0.013625592
BSU_misc_R	ssrA	359	65	172	237	94	274	368	0.645	0.253334	13	0.036212	16	0.044568245
BSU_13580	mtnE	1196	1388	1287	2675	696	821	1517	1.7628	0.253354	35	0.029264	33	0.027591973
BSU_06130	ydjC	350	6153	9307	15460	4971	6813	11784	1.3119	0.253496	54	0.154286	55	0.157142857
BSU_18390	yoeC	545	1043	981	2024	761	543	1304	1.5517	0.25377	32	0.058716	32	0.058715596
BSU_18200	nrnB	1199	1463	2515	3978	1777	1287	3064	1.2982	0.253927	57	0.04754	55	0.04587156
BSU_32520	pucG	1250	1345	891	2236	1405	878	2283	0.9794	0.254122	29	0.0232	34	0.0272
BSU_18450	gltA	4562	6355	6919	13274	8088	5433	13521	0.9817	0.254585	183	0.040114	199	0.043621219
BSU_27020	sufL	509	618	550	1168	366	657	1023	1.1416	0.254684	14	0.027505	19	0.037328094
BSU_08120	yfjF	329	507	189	696	392	167	559	1.2446	0.254762	11	0.033435	13	0.039513678
BSU_12690	xkdP	659	643	1011	1654	425	414	839	1.9702	0.255049	26	0.039454	26	0.039453718
BSU_35780	lytD	2642	8571	10257	18828	9110	7564	16674	1.1292	0.255171	186	0.070401	181	0.068508706
BSU_15960	ylqB	485	1183	1076	2259	998	1154	2152	1.0497	0.255198	30	0.061856	37	0.07628866
BSU_30270	msmE	1280	547	1134	1681	749	1733	2482	0.6774	0.255264	34	0.026563	38	0.0296875
BSU_21900	bsaA	482	1735	1670	3405	1601	1265	2866	1.188	0.255283	33	0.068465	42	0.087136929
BSU_22220	yprA	2249	2567	2282	4849	3145	2909	6054	0.801	0.255413	98	0.043575	108	0.048021343
BSU_29900	trmB	641	621	546	1167	923	512	1435	0.8134	0.255476	23	0.035881	28	0.043681747
BSU_27820	yrbC	722	1126	747	1873	1839	411	2250	0.8325	0.25561	26	0.036011	32	0.04432133
BSU_03960	cutR	572	959	614	1573	433	327	760	2.0683	0.255611	21	0.036713	21	0.036713287

BSU_08570	yfhK	518	1098	827	1925	1298	1488	2786	0.6911	0.255674	25	0.048263	28	0.054054054
BSU_18640	yoaK	677	3015	2046	5061	1862	2332	4194	1.2067	0.256007	55	0.081241	57	0.084194978
BSU_13690	motA	812	1571	1505	3076	816	1044	1860	1.6534	0.256071	33	0.04064	33	0.040640394
BSU_02900	yceD	581	306	247	553	240	421	661	0.8369	0.256142	15	0.025818	18	0.030981067
BSU_26090	yqbj	437	956	1069	2025	905	898	1803	1.1231	0.256209	34	0.077803	31	0.070938215
BSU_30595	ytIA	1004	1732	2086	3818	1633	1996	3629	1.0521	0.25623	38	0.037849	47	0.046812749
BSU_14380	fruR	755	668	305	973	180	546	726	1.3398	0.256257	21	0.027815	28	0.037086093
BSU_29010	speD	380	35	289	324	277	503	780	0.4161	0.256545	16	0.042105	18	0.047368421
BSU_09200	srtA	596	2455	1250	3705	1233	1129	2362	1.5683	0.256693	20	0.033557	27	0.045302013
BSU_18170	yngA	446	580	702	1282	872	660	1532	0.8369	0.256789	21	0.047085	27	0.060538117
BSU_03820	pbtP	758	1201	994	2195	1211	1218	2429	0.9037	0.256795	35	0.046174	41	0.05408971
BSU_31000	yual	521	606	1059	1665	1202	808	2010	0.8284	0.256869	33	0.06334	38	0.07293666
BSU_13330	ykoL	182	389	122	511	214	314	528	0.9679	0.257058	12	0.065934	15	0.082417582
BSU_12160	yjgC	2957	2463	3150	5613	2472	3058	5530	1.015	0.257113	83	0.028069	98	0.033141698
BSU_22036	fbpC	89	618	625	1243	672	687	1359	0.9147	0.257122	9	0.101124	13	0.146067416
BSU_02730	natK	956	3116	3320	6436	3192	2347	5539	1.1619	0.257308	39	0.040795	36	0.037656904
BSU_25990	yqbS	425	867	1227	2094	816	541	1357	1.5427	0.257528	23	0.054118	23	0.054117647
BSU_11799	yjzK	206	65	183	248	220	111	331	0.75	0.257815	5	0.024272	7	0.033980583
BSU_40290	yycN	470	3055	1719	4774	4362	2120	6482	0.7365	0.257847	34	0.07234	36	0.076595745
BSU_31230	tlpB	1988	2699	3032	5731	2824	2654	5478	1.0462	0.258006	83	0.041751	81	0.040744467
BSU_33670	rghRB	419	308	315	623	493	216	709	0.8789	0.258094	9	0.02148	7	0.016706444
BSU_34710	psdS	1070	1500	1740	3240	2456	1681	4137	0.7832	0.25814	46	0.042991	46	0.042990654
BSU_35970	ywsB	536	567	767	1334	688	704	1392	0.9584	0.258229	25	0.046642	29	0.054104478
BSU_06840	yeel	719	2021	2328	4349	1344	2007	3351	1.2977	0.258346	38	0.052851	38	0.052851182
BSU_01900	ybcM	314	326	640	966	940	1047	1987	0.4864	0.258522	17	0.05414	17	0.054140127
BSU_34540	clpP	593	122	12	134	54	16	70	1.9014	0.258571	7	0.011804	5	0.008431703
BSU_16900	ymfKc	338	1158	0	1158	229	16	245	4.7114	0.258643	10	0.029586	8	0.023668639
BSU_22530	ypjA	557	181	352	533	415	410	825	0.6465	0.258765	13	0.023339	16	0.028725314
BSU_24000	bmrU	893	517	1168	1685	710	1273	1983	0.8498	0.259159	29	0.032475	33	0.036954087
BSU_37570	mmr	1400	2122	2146	4268	2039	1796	3835	1.1129	0.259994	44	0.031429	51	0.036428571
BSU_35100	yvID	359	438	526	964	458	520	978	0.9857	0.260002	17	0.047354	19	0.052924791

BSU_31180	rhaA	1274	1588	1292	2880	1224	1351	2575	1.1184	0.260005	51	0.040031	53	0.041601256
BSU_19300	yozC	203	221	534	755	630	423	1053	0.7173	0.260021	14	0.068966	17	0.083743842
BSU_06870	yesE	443	1250	1580	2830	1520	879	2399	1.1796	0.26007	29	0.065463	26	0.058690745
BSU_37040	ywkB	959	1490	1812	3302	1524	1785	3309	0.9979	0.260192	44	0.045881	40	0.041710115
BSU_36210	ywqH	422	999	850	1849	995	507	1502	1.2309	0.26031	22	0.052133	21	0.049763033
BSU_35870	edmS	167	140	80	220	122	49	171	1.2849	0.260368	6	0.035928	4	0.023952096
BSU_13960	ohaC	866	2212	2104	4316	1409	3105	4514	0.9561	0.260389	40	0.046189	48	0.055427252
BSU_18100	parC	2420	172	0	172	23	4	27	6.1786	0.260474	6	0.002479	4	0.001652893
BSU_22600	aroA	1286	110	27	137	53	31	84	1.6235	0.260574	7	0.005443	10	0.00777605
BSU_14730	sigP	521	421	272	693	275	610	885	0.7833	0.26058	18	0.034549	23	0.044145873
BSU_39610	frxB	965	6135	5912	12047	4697	5778	10475	1.1501	0.260688	53	0.054922	53	0.05492228
BSU_08950	yhbE	713	449	1241	1690	474	664	1138	1.4846	0.260965	24	0.033661	26	0.036465638
BSU_02170	ybfB	1250	3325	3656	6981	2944	2403	5347	1.3055	0.261348	56	0.0448	55	0.044
BSU_07870	yfkK	215	222	99	321	157	230	387	0.8299	0.261546	6	0.027907	8	0.037209302
BSU_13400	ligD	1835	1296	1682	2978	1403	1530	2933	1.0153	0.261585	48	0.026158	57	0.03106267
BSU_07670	yfil	155	347	456	803	411	335	746	1.0763	0.261608	9	0.058065	13	0.083870968
BSU_18760	yoaU	872	2389	3234	5623	2062	2200	4262	1.3193	0.261655	56	0.06422	59	0.06766055
BSU_39080	licT	833	4618	3771	8389	3507	2920	6427	1.3052	0.261864	63	0.07563	63	0.075630252
BSU_23530	spolIM	644	1010	2124	3134	1442	1424	2866	1.0935	0.26189	41	0.063665	45	0.069875776
BSU_16630	infB	2150	66	0	66	675	2	677	0.0988	0.262158	4	0.00186	6	0.002790698
BSU_19270	yozN	263	213	386	599	489	100	589	1.0169	0.262209	10	0.038023	7	0.02661597
BSU_17559	ynzI	164	478	521	999	254	412	666	1.4993	0.262222	14	0.085366	14	0.085365854
BSU_22120	kdgR	1019	964	1007	1971	775	717	1492	1.3208	0.262225	40	0.039254	37	0.036310108
BSU_39870	yxbD	479	6785	8166	14951	6157	7424	13581	1.1009	0.262462	57	0.118998	56	0.11691023
BSU_07450	yfmJ	1019	2533	2062	4595	2610	1575	4185	1.0979	0.262557	41	0.040236	40	0.039254171
BSU_27320	greA	473	322	469	791	3253	3830	7083	0.1118	0.262593	10	0.021142	11	0.023255814
BSU_19730	yodS	689	320	333	653	31	185	216	3.0138	0.262649	13	0.018868	11	0.015965167
BSU_03120	ycgl	596	1329	2448	3777	1038	2197	3235	1.1675	0.262847	30	0.050336	35	0.058724832
BSU_23090	rsiX	1106	1017	1477	2494	1817	1820	3637	0.6858	0.26317	42	0.037975	48	0.043399638
BSU_38690	yxIC	320	13	0	13	0	34	34	0.4	0.263186	1	0.003125	2	0.00625
BSU_24190	yqil	620	1778	372	2150	761	202	963	2.2313	0.263207	15	0.024194	22	0.035483871

BSU_05080	yddR	764	19235	18975	38210	16245	20391	36636	1.043	0.2633	105	0.137435	101	0.132198953
BSU_36460	ywoF	1406	3140	3037	6177	3418	2174	5592	1.1046	0.263395	74	0.052632	88	0.062588905
BSU_16330	cheY	362	670	332	1002	271	635	906	1.1058	0.263404	18	0.049724	16	0.044198895
BSU_11270	yjzD	185	407	758	1165	440	288	728	1.5995	0.263509	19	0.102703	19	0.102702703
BSU_26370	yqaC	536	1281	1149	2430	757	990	1747	1.3907	0.263591	36	0.067164	36	0.067164179
BSU_14200	ykuS	245	153	0	153	79	29	108	1.4128	0.263719	6	0.02449	9	0.036734694
BSU_40560	yybP	446	2383	2483	4866	2776	1774	4550	1.0694	0.263758	17	0.038117	21	0.047085202
BSU_24250	argR	449	116	93	209	42	56	98	2.1212	0.263783	12	0.026726	10	0.022271715
BSU_32180	yutK	1214	1464	1490	2954	980	784	1764	1.6742	0.263806	44	0.036244	44	0.036243822
BSU_10550	ntdA	1325	5103	7675	12778	5256	7514	12770	1.0006	0.263854	143	0.107925	154	0.116226415
BSU_33700	opuBD	680	983	1345	2328	1261	1063	2324	1.0017	0.26394	31	0.045588	29	0.042647059
BSU_29260	ytpl	302	676	493	1169	486	461	947	1.2342	0.264095	18	0.059603	25	0.082781457
BSU_19330	sodF	845	1702	1591	3293	1010	872	1882	1.7493	0.26412	43	0.050888	46	0.05443787
BSU_28400	ysmB	440	0	292	292	0	129	129	2.2538	0.264487	3	0.006818	5	0.011363636
BSU_03400	yckD	332	480	717	1197	449	286	735	1.6277	0.264619	8	0.024096	6	0.018072289
BSU_27310	pbpl	1754	1793	1578	3371	2504	1277	3781	0.8916	0.264662	53	0.030217	60	0.034207526
BSU_09400	spoVR	1406	1193	2100	3293	1396	1198	2594	1.2694	0.26468	55	0.039118	69	0.049075391
BSU_09860	khtT	497	464	236	700	95	99	194	3.5949	0.265028	10	0.020121	9	0.018108652
BSU_30610	ytIC	782	1500	499	1999	699	641	1340	1.4914	0.265094	22	0.028133	29	0.037084399
BSU_02570	ycbN	923	1273	1391	2664	1698	1071	2769	0.9621	0.265142	37	0.040087	43	0.046587216
BSU_21750	scuA	581	980	584	1564	818	686	1504	1.0399	0.265144	26	0.04475	34	0.058519793
BSU_17260	aprX	1328	1702	1305	3007	2338	1235	3573	0.8416	0.265208	59	0.044428	67	0.050451807
BSU_05330	aseR	335	789	1339	2128	941	1118	2059	1.0335	0.265221	19	0.056716	25	0.074626866
BSU_28680	glcD	1412	752	752	1504	725	477	1202	1.251	0.265297	33	0.023371	31	0.021954674
BSU_25430	mtaB	1355	1226	1951	3177	1042	888	1930	1.6458	0.265318	46	0.033948	54	0.039852399
BSU_07570	maeS	1436	2734	2206	4940	2311	1955	4266	1.158	0.265511	70	0.048747	67	0.046657382
BSU_33420	nhaK	2012	2153	2343	4496	3250	1638	4888	0.9198	0.265546	73	0.036282	85	0.042246521
BSU_19259	yoyB	227	174	727	901	80	267	347	2.592	0.265821	11	0.048458	10	0.044052863
BSU_31400	yugH	1160	1280	1390	2670	1634	1326	2960	0.9021	0.265891	39	0.033621	44	0.037931034
BSU_10890	yisX	638	311	90	401	477	355	832	0.4826	0.266117	9	0.014107	11	0.017241379
BSU_26630	czcR	866	2928	2169	5097	2797	2405	5202	0.9798	0.266499	76	0.08776	86	0.099307159

BSU_08020	yfjO	1400	1427	886	2313	656	983	1639	1.411	0.266526	35	0.025	34	0.024285714
BSU_24170	mmgA	1181	678	1192	1870	595	449	1044	1.7904	0.266594	28	0.023709	27	0.022861981
BSU_13630	ykvA	320	424	162	586	64	102	166	3.515	0.266633	9	0.028125	8	0.025
BSU_05540	ydfS	707	2393	2196	4589	1579	2180	3759	1.2207	0.266956	34	0.048091	41	0.057991513
BSU_26920	yraJ	356	1488	1237	2725	1638	1557	3195	0.8529	0.267096	27	0.075843	32	0.08988764
BSU_03850	ycnC	878	1522	2029	3551	1451	1068	2519	1.4095	0.267269	42	0.047836	41	0.046697039
BSU_31160	yubA	1166	1774	2385	4159	2497	1874	4371	0.9515	0.267331	55	0.04717	61	0.052315609
BSU_24600	sinI	173	172	11	183	62	50	112	1.6283	0.267784	3	0.017341	5	0.028901734
BSU_26089	yqzN	191	182	184	366	163	339	502	0.7296	0.267997	9	0.04712	10	0.052356021
BSU_26210	yqaR	464	2361	3758	6119	2766	2375	5141	1.1902	0.268109	66	0.142241	73	0.157327586
BSU_40710	yybA	452	6416	6879	13295	6405	6137	12542	1.06	0.268302	48	0.106195	48	0.10619469
BSU_02260	cesB	890	4177	3476	7653	3095	3133	6228	1.2288	0.268351	57	0.064045	56	0.062921348
BSU_11780	cotV	386	428	339	767	569	460	1029	0.7456	0.268363	17	0.044041	20	0.051813472
BSU_12110	yjfA	473	939	1278	2217	737	837	1574	1.4083	0.268522	31	0.065539	31	0.065539112
BSU_tRNA_1	trnJ-Leu	82	0	4	4	58	4	62	0.0794	0.268547	1	0.012195	2	0.024390244
BSU_32810	yusI	356	916	786	1702	572	750	1322	1.2872	0.269171	12	0.033708	15	0.042134831
BSU_05150	ydeC	875	6025	8053	14078	5324	6211	11535	1.2204	0.269185	100	0.114286	108	0.123428571
BSU_40120	ptsJ	230	677	588	1265	817	1083	1900	0.666	0.269275	14	0.06087	15	0.065217391
BSU_08330	bifN	1157	2775	933	3708	2171	2077	4248	0.8729	0.269284	33	0.028522	41	0.035436474
BSU_02510	garD	1532	876	786	1662	1154	798	1952	0.8515	0.269579	26	0.016971	31	0.020234987
BSU_13220	thiW	1643	1296	1223	2519	1314	1280	2594	0.9711	0.269714	40	0.024346	48	0.029214851
BSU_21690	msrA	533	649	611	1260	579	246	825	1.5266	0.269795	15	0.028143	20	0.037523452
BSU_07660	yfU	137	257	49	306	126	92	218	1.4018	0.269818	6	0.043796	9	0.065693431
BSU_15110	panE	896	48	92	140	120	30	150	0.9338	0.26983	11	0.012277	14	0.015625
BSU_34190	lutP	1691	1336	1540	2876	759	1515	2274	1.2646	0.270004	39	0.023063	47	0.027794205
BSU_misc_R	tboTB	221	71	0	71	195	75	270	0.2657	0.270484	1	0.004525	2	0.009049774
BSU_14860	pycA	3446	2632	3563	6195	2134	3633	5767	1.0742	0.27068	98	0.028439	111	0.032211259
BSU_22680	trpE	1547	1147	1150	2297	1067	1580	2647	0.8678	0.270818	43	0.027796	50	0.032320621
BSU_02780	ycdA	1064	2046	2058	4104	2139	1617	3756	1.0926	0.270914	52	0.048872	62	0.058270677
BSU_35790	pmiA	950	2015	1790	3805	1995	2351	4346	0.8755	0.270945	55	0.057895	46	0.048421053
BSU_26559	yrzN	215	370	546	916	561	444	1005	0.9115	0.270997	18	0.083721	22	0.102325581

BSU_38860	galE	1019	3010	2766	5776	3198	2309	5507	1.0488	0.271104	64	0.062807	74	0.072620216
BSU_13050	yzkH	224	230	143	373	153	92	245	1.5203	0.271327	9	0.040179	9	0.040178571
BSU_19640	yodL	314	296	375	671	297	379	676	0.9926	0.271713	13	0.041401	11	0.035031847
BSU_38910	yxjL	656	1276	1100	2376	1252	918	2170	1.0949	0.271768	23	0.035061	31	0.047256098
BSU_08720	bcp	473	513	735	1248	602	616	1218	1.0246	0.271891	18	0.038055	23	0.048625793
BSU_29200	accA	977	8	141	149	47	100	147	1.0135	0.272226	5	0.005118	7	0.00716479
BSU_09250	yhcX	1541	2893	2003	4896	1786	2180	3966	1.2344	0.272493	69	0.044776	81	0.052563271
BSU_12100	pdaC	1403	2569	2588	5157	1144	1513	2657	1.9406	0.272673	58	0.04134	59	0.042052744
BSU_36300	glcR	776	590	457	1047	828	982	1810	0.5787	0.27274	24	0.030928	20	0.025773196
BSU_17710	tatAC	188	342	391	733	218	115	333	2.1976	0.272831	11	0.058511	13	0.069148936
BSU_23820	yqjM	1016	717	825	1542	562	1061	1623	0.9501	0.272874	32	0.031496	38	0.037401575
BSU_02290	psd	791	1053	980	2033	665	1181	1846	1.1012	0.272926	37	0.046776	33	0.041719343
BSU_27710	tgt	1145	737	1207	1944	472	318	790	2.4589	0.273058	41	0.035808	43	0.037554585
BSU_36930	prpB	452	331	1019	1350	728	2173	2901	0.4655	0.273353	16	0.035398	17	0.037610619
BSU_39650	tpeK	977	2574	1797	4371	2302	2057	4359	1.0028	0.273394	44	0.045036	47	0.048106448
BSU_10240	yhfI	734	1131	339	1470	1125	419	1544	0.9521	0.273412	25	0.03406	31	0.042234332
BSU_38000	ywdD	635	1878	1238	3116	2004	2454	4458	0.699	0.273643	30	0.047244	35	0.05511811
BSU_14970	yIbD	398	103	187	290	288	246	534	0.5439	0.273856	5	0.012563	6	0.015075377
BSU_36740	ywmC	683	726	753	1479	778	614	1392	1.0625	0.273899	25	0.036603	29	0.042459736
BSU_03610	tcyA	806	1536	1663	3199	1196	1074	2270	1.4091	0.274025	43	0.05335	39	0.048387097
BSU_21329	youB	176	2	0	2	4	4	8	0.3333	0.274087	1	0.005682	2	0.011363636
BSU_27060	levE	488	439	718	1157	349	377	726	1.5928	0.274277	14	0.028689	19	0.038934426
BSU_18720	yoaR	911	3830	3294	7124	3520	2901	6421	1.1095	0.274477	78	0.08562	77	0.084522503
BSU_36490	ywoC	569	529	790	1319	616	1330	1946	0.678	0.274697	20	0.035149	21	0.036906854
BSU_13140	ohrA	425	110	171	281	122	281	403	0.698	0.274763	11	0.025882	8	0.018823529
BSU_07370	ettA	1889	2841	2334	5175	2187	2153	4340	1.1924	0.275021	65	0.03441	79	0.041821069
BSU_13510	yzkE	176	78	271	349	9	59	68	5.0725	0.27506	5	0.028409	4	0.022727273
BSU_12749	xkzA	272	257	637	894	422	605	1027	0.8706	0.27539	12	0.044118	12	0.044117647
BSU_37060	tdk	587	1202	1190	2392	1127	1032	2159	1.1079	0.275562	20	0.034072	25	0.042589438
BSU_34650	yvdC	320	895	917	1812	1113	787	1900	0.9537	0.275611	12	0.0375	10	0.03125
BSU_40750	yyaQ	356	9528	7939	17467	7316	6634	13950	1.2521	0.276303	50	0.140449	51	0.143258427

BSU_03982	mtlF	431	238	191	429	177	163	340	1.261	0.276324	9	0.020882	13	0.030162413
BSU_39770	iolR	755	1757	2731	4488	2289	2453	4742	0.9464	0.2764	48	0.063576	53	0.070198675
BSU_36190	rttN	1808	8071	6620	14691	7363	4608	11971	1.2272	0.276449	148	0.081858	153	0.084623894
BSU_misc_R	gdwB	102	397	138	535	372	85	457	1.1703	0.276564	6	0.058824	4	0.039215686
BSU_05520	ydzh	236	693	292	985	1131	137	1268	0.777	0.276668	11	0.04661	9	0.038135593
BSU_08300	linK	662	254	498	752	530	328	858	0.8766	0.276716	15	0.022659	18	0.027190332
BSU_40660	yybF	1214	13152	13710	26862	12484	13834	26318	1.0207	0.276888	104	0.085667	105	0.086490939
BSU_02090	ybxI	803	1648	1801	3449	1628	1927	3555	0.9702	0.277054	34	0.042341	31	0.03860523
BSU_12710	xkdR	266	193	358	551	92	244	336	1.638	0.277086	11	0.041353	10	0.037593985
BSU_18180	yngB	893	2073	1844	3917	1947	2347	4294	0.9122	0.277108	49	0.054871	46	0.051511758
BSU_17720	yndA	398	4041	2919	6960	2833	2334	5167	1.3469	0.277483	36	0.090452	41	0.103015075
BSU_39730	iolD	1913	5958	5535	11493	5061	5047	10108	1.137	0.2775	91	0.047569	99	0.051751176
BSU_32660	glxB	383	438	364	802	248	401	649	1.2354	0.277557	16	0.041775	20	0.052219321
BSU_03180	cah	956	2996	2072	5068	2896	1732	4628	1.0951	0.277667	43	0.044979	41	0.042887029
BSU_03569	sfpAc	167	330	760	1090	141	388	529	2.0585	0.277696	11	0.065868	11	0.065868263
BSU_16460	cheD	500	509	308	817	232	336	568	1.4376	0.277771	17	0.034	23	0.046
BSU_05950	ydiF	1928	3449	3605	7054	4297	2920	7217	0.9774	0.277814	97	0.050311	112	0.058091286
BSU_16800	spolIIE	2363	1640	1414	3054	1075	1722	2797	1.0919	0.278084	67	0.028354	78	0.033008887
BSU_30035	rsuA	719	673	356	1029	1358	762	2120	0.4856	0.278191	19	0.026426	22	0.030598053
BSU_28250	leuD	599	63	177	240	383	43	426	0.5644	0.278429	7	0.011686	9	0.015025042
BSU_36800	atpC	398	2	11	13	0	2	2	4.6667	0.278528	2	0.005025	1	0.002512563
BSU_02060	ybxG	1388	4756	4073	8829	4907	6478	11385	0.7755	0.278557	86	0.06196	87	0.062680115
BSU_19440	mdtK	1358	3436	2994	6430	2193	3128	5321	1.2084	0.279457	71	0.052283	72	0.053019146
BSU_07680	yflH	314	177	320	497	342	154	496	1.002	0.279474	9	0.028662	7	0.022292994
BSU_38820	yxF	893	2735	1990	4725	2143	2461	4604	1.0263	0.279623	45	0.050392	49	0.054871221
BSU_06910	cotJC	569	1736	1526	3262	1062	1139	2201	1.4818	0.279676	30	0.052724	37	0.065026362
BSU_11750	cotY	488	282	445	727	484	262	746	0.9746	0.279866	14	0.028689	11	0.022540984
BSU_31050	gbsB	1208	1821	1414	3235	1470	1475	2945	1.0984	0.27997	47	0.038907	57	0.04718543
BSU_16300	fliL	422	1613	766	2379	839	645	1484	1.6027	0.28018	28	0.066351	34	0.08056872
BSU_33340	sspJ	140	132	21	153	73	4	77	1.9744	0.280248	5	0.035714	4	0.028571429
BSU_26750	yrdDn	134	290	185	475	394	233	627	0.758	0.280317	8	0.059701	6	0.044776119

BSU_16210	flfF	1610	2297	2100	4397	1608	2086	3694	1.1903	0.280384	65	0.040373	77	0.047826087
BSU_15930	rnc	749	0	21	21	0	2	2	7.3333	0.280404	2	0.00267	1	0.001335113
BSU_33800	opuCD	689	3370	2244	5614	3063	2155	5218	1.0759	0.280467	45	0.065312	55	0.079825835
BSU_19980	yosW	341	2	0	2	0	139	139	0.0214	0.280522	1	0.002933	2	0.005865103
BSU_33190	yvrD	791	603	108	711	479	671	1150	0.6186	0.280614	20	0.025284	21	0.026548673
BSU_36180	rttO	464	0	6	6	2	0	2	2.3333	0.280623	2	0.00431	1	0.002155172
BSU_27190	yrzI	149	175	35	210	143	147	290	0.7251	0.280638	4	0.026846	6	0.040268456
BSU_18899	yozX	224	8650	5930	14580	6418	5102	11520	1.2656	0.280921	37	0.165179	37	0.165178571
BSU_06120	ydjB	335	7374	5818	13192	4897	6232	11129	1.1854	0.28095	57	0.170149	59	0.176119403
BSU_11140	ribZC	812	1335	1705	3040	1466	639	2105	1.444	0.281044	41	0.050493	42	0.051724138
BSU_22840	der	1310	0	2	2	4	2	6	0.4286	0.281109	1	0.000763	2	0.001526718
BSU_32670	sufB	1397	0	2	2	2	84	86	0.0345	0.281109	1	0.000716	2	0.001431639
BSU_misc_R	mswM	117	626	707	1333	501	420	921	1.4469	0.281186	7	0.059829	6	0.051282051
BSU_21410	blyA	1103	6	0	6	0	2	2	2.3333	0.281232	2	0.001813	1	0.000906618
BSU_25260	glyS	2039	0	19	19	0	2	2	6.6667	0.28124	2	0.000981	1	0.000490436
BSU_36269	ywzD	143	53	2	55	105	62	167	0.3333	0.281242	3	0.020979	4	0.027972028
BSU_26330	yqdA	140	195	249	444	217	695	912	0.4874	0.281308	10	0.071429	11	0.078571429
BSU_33180	yvrC	944	1169	862	2031	642	865	1507	1.3475	0.281627	33	0.034958	37	0.039194915
BSU_39339	yxzL	164	839	1294	2133	1043	1886	2929	0.7283	0.281809	12	0.073171	11	0.067073171
BSU_17660	dutA	434	4470	2906	7376	3561	2440	6001	1.2291	0.282008	30	0.069124	30	0.069124424
BSU_12580	xtmB	1301	1655	1360	3015	1769	1401	3170	0.9511	0.28209	50	0.038432	58	0.044581091
BSU_12780	xepA	839	692	781	1473	612	1286	1898	0.7762	0.282151	28	0.033373	23	0.027413588
BSU_misc_R	roxS	138	29	170	199	105	47	152	1.3072	0.282259	3	0.021739	5	0.036231884
BSU_20370	yorI	1514	0	2	2	2	2	4	0.6	0.282302	1	0.000661	2	0.001321004
BSU_05030	yddM	941	2	2	4	0	2	2	1.6667	0.282375	2	0.002125	1	0.001062699
BSU_13210	thiX	764	519	949	1468	742	1016	1758	0.8351	0.282392	28	0.036649	32	0.041884817
BSU_04320	kimA	1823	2	2	4	2	0	2	1.6667	0.282453	2	0.001097	1	0.000548546
BSU_25210	dnaG	1811	2	0	2	2	2	4	0.6	0.28246	1	0.000552	2	0.001104362
BSU_38300	thiM	818	1667	1630	3297	1522	1453	2975	1.1082	0.282534	18	0.022005	15	0.018337408
BSU_21300	yomM	1001	2	0	2	2	2	4	0.6	0.282547	1	0.000999	2	0.001998002
BSU_35170	uvrB	1985	3208	3644	6852	4136	2534	6670	1.0273	0.282634	76	0.038287	73	0.036775819

BSU_04300	ydaM	1262	0	2	2	4	0	4	0.6	0.282691	1	0.000792	2	0.001584786
BSU_12560	xpf	509	804	431	1235	688	547	1235	1	0.28271	23	0.045187	27	0.053045187
BSU_04970	cwlT	989	0	2	2	4	0	4	0.6	0.282721	1	0.001011	2	0.002022245
BSU_02940	yceH	1091	1082	595	1677	588	1075	1663	1.0084	0.282773	26	0.023831	23	0.021081577
BSU_04270	epsI	1088	2	0	2	2	2	4	0.6	0.282806	1	0.000919	2	0.001838235
BSU_20270	yorS	518	0	4	4	0	2	2	1.6667	0.282909	2	0.003861	1	0.001930502
BSU_15010	rsmD	554	367	75	442	611	183	794	0.5572	0.282915	11	0.019856	13	0.023465704
BSU_15940	smc	3560	0	11	11	0	13	13	0.8571	0.282954	1	0.000281	2	0.000561798
BSU_21140	yonC	536	0	2	2	0	4	4	0.6	0.283098	1	0.001866	2	0.003731343
BSU_20630	yoqH	452	2	0	2	0	4	4	0.6	0.283202	1	0.002212	2	0.004424779
BSU_28580	mutSB	2357	1195	1226	2421	913	1394	2307	1.0494	0.283234	53	0.022486	62	0.026304625
BSU_23230	ypuF	524	701	1049	1750	532	995	1527	1.1459	0.283237	21	0.040076	27	0.051526718
BSU_24800	yqgW	173	209	406	615	196	112	308	1.9935	0.283295	10	0.057803	8	0.046242775
BSU_04820	immR	383	0	4	4	0	2	2	1.6667	0.283371	2	0.005222	1	0.002610966
BSU_06260	ydjN	1046	1959	1738	3697	1732	1971	3703	0.9984	0.283422	61	0.058317	65	0.062141491
BSU_08380	yfiS	1253	1781	2029	3810	1489	1721	3210	1.1869	0.283442	46	0.036712	55	0.043894653
BSU_21520	yolC	335	0	2	2	4	0	4	0.6	0.283471	1	0.002985	2	0.005970149
BSU_39600	yxC	398	2295	3691	5986	2601	3058	5659	1.0578	0.283571	29	0.072864	33	0.082914573
BSU_00900	ispD	698	19	0	19	368	13	381	0.0524	0.283744	1	0.001433	2	0.00286533
BSU_19160	yocC	497	1888	1545	3433	1047	1635	2682	1.2799	0.283748	42	0.084507	42	0.084507042
BSU_19570	yodE	911	600	411	1011	393	499	892	1.1333	0.283804	27	0.029638	24	0.026344676
BSU_32490	pucC	833	858	255	1113	271	929	1200	0.9276	0.28388	19	0.022809	22	0.026410564
BSU_05650	ydgH	2657	5749	6348	12097	5960	6833	12793	0.9456	0.283892	148	0.055702	154	0.057960105
BSU_21430	bhlB	266	2	0	2	2	2	4	0.6	0.283963	1	0.003759	2	0.007518797
BSU_39010	rlmA	848	2364	1146	3510	1959	1761	3720	0.9436	0.283998	38	0.044811	44	0.051886792
BSU_05270	ydZF	329	2149	1515	3664	2201	1339	3540	1.035	0.284084	31	0.094225	31	0.094224924
BSU_27085		140	371	429	800	569	247	816	0.9804	0.284182	17	0.121429	17	0.121428571
BSU_36020	alsR	908	2118	2957	5075	1415	2526	3941	1.2877	0.284372	51	0.056167	57	0.06277533
BSU_19840	yotL	242	0	2	2	4	0	4	0.6	0.284405	1	0.004132	2	0.008264463
BSU_39830	yxCA	251	1511	2672	4183	1419	2490	3909	1.0701	0.284443	11	0.043825	14	0.055776892
BSU_31530	maeM	707	1504	1549	3053	1310	1207	2517	1.2129	0.284458	44	0.062235	40	0.056577086

BSU_38870	yxkA	506	3028	2673	5701	2688	2160	4848	1.1759	0.284476	39	0.077075	40	0.079051383
BSU_misc_R	pyaB	117	61	0	61	14	19	33	1.8235	0.284533	2	0.017094	4	0.034188034
BSU_37900	spsB	1424	2065	1077	3142	1482	1013	2495	1.2592	0.28462	43	0.030197	51	0.035814607
BSU_28550	fadR	584	513	540	1053	635	997	1632	0.6454	0.284653	20	0.034247	23	0.039383562
BSU_18090	parE	1967	2	2	4	60	0	60	0.082	0.2847	2	0.001017	1	0.000508388
BSU_16570	proS	1694	59	0	59	4	2	6	8.5714	0.2847	1	0.00059	2	0.001180638
BSU_00580	yabN	1469	5310	3534	8844	2961	3426	6387	1.3846	0.284829	67	0.045609	71	0.048332199
BSU_17330	miaA	944	1364	840	2204	921	941	1862	1.1836	0.284847	45	0.047669	49	0.05190678
BSU_19090	yobU	482	1307	991	2298	657	939	1596	1.4396	0.285042	30	0.062241	29	0.060165975
BSU_00920	gltX	1451	2	2	4	47	0	47	0.1042	0.28512	2	0.001378	1	0.00068918
BSU_28520	etfA	977	633	378	1011	429	909	1338	0.7558	0.285312	21	0.021494	23	0.023541453
BSU_18030	sspT	251	337	61	398	108	31	139	2.85	0.285364	9	0.035857	8	0.03187251
BSU_17450	glnR	407	463	0	463	549	6	555	0.8345	0.285405	9	0.022113	12	0.029484029
BSU_35810	gerBB	1106	2275	1604	3879	1993	3060	5053	0.7677	0.285428	64	0.057866	71	0.064195298
BSU_11360	appD	986	874	1058	1932	869	854	1723	1.1212	0.28554	32	0.032454	36	0.036511156
BSU_19880	yotH	173	4	0	4	2	0	2	1.6667	0.285574	2	0.011561	1	0.005780347
BSU_15990	rpsP	272	210	0	210	1303	0	1303	0.1618	0.285675	1	0.003676	2	0.007352941
BSU_36080	ywrF	617	1803	1658	3461	1211	2045	3256	1.0629	0.285817	31	0.050243	30	0.048622366
BSU_34020	yvbX	1034	2736	2791	5527	3289	2300	5589	0.9889	0.2859	57	0.055126	63	0.060928433
BSU_07410	yfmN	155	632	1050	1682	999	444	1443	1.1655	0.28613	8	0.051613	6	0.038709677
BSU_36990	ywkF	287	544	362	906	492	368	860	1.0534	0.286195	10	0.034843	12	0.041811847
BSU_36240	ptpZ	764	848	770	1618	1196	776	1972	0.8206	0.286312	23	0.030105	24	0.031413613
BSU_16750	asd	1040	15	0	15	0	6	6	2.2857	0.286489	1	0.000962	2	0.001923077
BSU_12760	xkdW	329	1092	453	1545	986	351	1337	1.1555	0.286674	19	0.057751	18	0.054711246
BSU_23670	yqkA	1031	1478	1691	3169	1637	1384	3021	1.049	0.286801	46	0.044617	50	0.048496605
BSU_03220	putP	1421	2155	2489	4644	2258	2103	4361	1.0649	0.287018	57	0.040113	68	0.047853624
BSU_17770	yndF	1214	4061	3513	7574	2690	2473	5163	1.4669	0.28738	67	0.055189	72	0.059308072
BSU_37250	narI	671	2115	1954	4069	2688	2228	4916	0.8277	0.287458	30	0.044709	34	0.050670641
BSU_24240	recN	1730	1033	1208	2241	1214	1142	2356	0.9512	0.287525	42	0.024277	47	0.02716763
BSU_15860	sdaAA	902	689	490	1179	410	120	530	2.2222	0.287574	22	0.02439	21	0.023281596
BSU_11170	yitY	1430	1999	1526	3525	1851	2183	4034	0.8739	0.287614	56	0.039161	66	0.046153846

BSU_13020	ddaH	860	691	759	1450	878	1167	2045	0.7092	0.287648	33	0.038372	36	0.041860465
BSU_25110	yqfU	881	1464	845	2309	1000	1383	2383	0.969	0.288039	46	0.052213	42	0.047673099
BSU_32550	frlP	1103	1151	705	1856	673	676	1349	1.3756	0.288349	25	0.022665	23	0.020852221
BSU_11320	yjzB	239	206	292	498	223	536	759	0.6566	0.288412	8	0.033473	10	0.041841004
BSU_17030	cotE	545	383	1165	1548	524	470	994	1.5568	0.288465	29	0.053211	29	0.053211009
BSU_05160	ydeD	959	16833	14723	31556	12856	14576	27432	1.1503	0.288522	119	0.124088	112	0.116788321
BSU_18210	ldeE	1535	1730	1115	2845	1684	1062	2746	1.036	0.288648	45	0.029316	53	0.034527687
BSU_17790	yndH	617	1204	908	2112	1113	1013	2126	0.9934	0.288677	37	0.059968	32	0.051863857
BSU_24650	yqzG	326	190	658	848	280	317	597	1.4197	0.288903	13	0.039877	18	0.055214724
BSU_28560	lcfA	1682	1614	1211	2825	1678	895	2573	1.0979	0.289018	45	0.026754	50	0.029726516
BSU_08810	senS	197	129	116	245	166	139	305	0.8039	0.289045	7	0.035533	10	0.050761421
BSU_36620	ywnB	641	267	551	818	365	644	1009	0.8109	0.289181	17	0.026521	14	0.021840874
BSU_07120	lplC	887	2664	2644	5308	2313	1756	4069	1.3044	0.289238	37	0.041714	35	0.03945885
BSU_01480	truA	743	1055	1305	2360	564	1329	1893	1.2466	0.289252	32	0.043069	39	0.052489906
BSU_15170	spoVD	1940	1995	2465	4460	1585	2187	3772	1.1823	0.289356	60	0.030928	71	0.036597938
BSU_24390	spolIIAE	1199	938	967	1905	1110	566	1676	1.1366	0.289384	37	0.030859	45	0.037531276
BSU_31140	cdoA	485	972	918	1890	435	562	997	1.8948	0.289438	26	0.053608	26	0.053608247
BSU_32620	yurQ	374	1060	1490	2550	1465	648	2113	1.2067	0.289457	21	0.05615	24	0.064171123
BSU_01100	rpsL	416	0	11	11	2	2	4	2.4	0.289824	1	0.002404	2	0.004807692
BSU_09130	tcyP	1391	1919	1894	3813	1058	1460	2518	1.5141	0.289837	49	0.035226	49	0.035226456
BSU_18909	yozZ	140	1673	1094	2767	1236	1123	2359	1.1729	0.289876	17	0.121429	18	0.128571429
BSU_12770	xkdX	164	264	166	430	244	323	567	0.7588	0.290036	8	0.04878	10	0.06097561
BSU_12550	xtrA	206	0	25	25	49	21	70	0.3662	0.290335	1	0.004854	2	0.009708738
BSU_39240	yxxF	935	3703	3754	7457	2440	4114	6554	1.1378	0.29034	56	0.059893	56	0.059893048
BSU_misc_R	sncZ	78	1922	1471	3393	2137	621	2758	1.2302	0.290378	12	0.153846	12	0.153846154
BSU_07520	fecC	947	1980	2002	3982	1409	1512	2921	1.3631	0.290523	49	0.051742	54	0.057022175
BSU_18898	yozW	173	2483	3110	5593	1651	2756	4407	1.2691	0.290576	22	0.127168	22	0.12716763
BSU_10880	yisV	1454	1189	714	1903	1275	1258	2533	0.7514	0.290627	34	0.023384	36	0.024759285
BSU_24460	papA	1061	1504	1398	2902	1553	1035	2588	1.1213	0.290646	38	0.035815	46	0.043355325
BSU_30135	rmgP	965	1172	540	1712	1077	926	2003	0.8548	0.290861	33	0.034197	37	0.038341969
BSU_05570	ydgB	272	1266	1027	2293	836	926	1762	1.3012	0.290881	27	0.099265	26	0.095588235

BSU_39450	yxR	1112	1919	1002	2921	1306	1579	2885	1.0125	0.290902	41	0.036871	46	0.041366906
BSU_26600	bltD	458	2167	2599	4766	1977	2651	4628	1.0298	0.291176	57	0.124454	64	0.139737991
BSU_26350	sknR	350	0	53	53	2	38	40	1.3171	0.291777	1	0.002857	2	0.005714286
BSU_26190	yqaT	1295	2757	2619	5376	2248	2418	4666	1.1521	0.29184	78	0.060232	80	0.061776062
BSU_misc_R	gswA	151	83	92	175	129	139	268	0.6543	0.29187	6	0.039735	4	0.026490066
BSU_08590	ephM	860	598	813	1411	699	835	1534	0.9199	0.291883	23	0.026744	27	0.031395349
BSU_34170	ganR	992	1741	1740	3481	1734	1207	2941	1.1835	0.291886	45	0.045363	53	0.053427419
BSU_misc_R	mswI	106	0	127	127	19	217	236	0.5401	0.29239	2	0.018868	3	0.028301887
BSU_21870	ilvD	1676	1459	1465	2924	1034	1213	2247	1.3012	0.292423	54	0.03222	52	0.031026253
BSU_29540	ppnKB	803	425	592	1017	475	187	662	1.5354	0.293015	26	0.032379	24	0.02988792
BSU_39500	yxM	794	1426	2150	3576	2196	2291	4487	0.797	0.293231	40	0.050378	45	0.056675063
BSU_07040	yesV	626	719	1166	1885	801	1639	2440	0.7726	0.293284	30	0.047923	32	0.051118211
BSU_32140	paiB	623	1659	1311	2970	1410	897	2307	1.2873	0.293302	34	0.054575	41	0.065810594
BSU_05480	ydfN	620	1541	2176	3717	1802	1274	3076	1.2083	0.293997	41	0.066129	41	0.066129032
BSU_40021	yxzK	404	2927	2096	5023	2707	2293	5000	1.0046	0.294367	31	0.076733	34	0.084158416
BSU_04760	ycdG	440	1487	876	2363	1453	1731	3184	0.7422	0.294382	26	0.059091	28	0.063636364
BSU_02140	glpT	1334	3947	2303	6250	1966	1766	3732	1.6745	0.294423	69	0.051724	75	0.056221889
BSU_25230	yqxD	494	0	602	602	0	106	106	5.6355	0.294513	8	0.016194	7	0.01417004
BSU_21450	sunS	1268	8	4	12	6	10	16	0.7647	0.294554	6	0.004732	8	0.006309148
BSU_12200	yjiA	278	326	185	511	58	136	194	2.6256	0.294737	8	0.028777	7	0.025179856
BSU_34490	psmA	335	161	270	431	340	188	528	0.8166	0.294777	11	0.032836	14	0.041791045
BSU_tRNA_7	trnB-Sei	90	0	53	53	0	85	85	0.6279	0.294872	1	0.011111	2	0.022222222
BSU_14060	fadH	764	884	1371	2255	687	924	1611	1.3995	0.294973	25	0.032723	28	0.036649215
BSU_11890	yjcK	545	803	781	1584	1030	289	1319	1.2008	0.295119	24	0.044037	23	0.042201835
BSU_07200	caU	644	1196	733	1929	524	793	1317	1.4643	0.295267	25	0.03882	25	0.038819876
BSU_40040	glxK	1148	3491	2687	6178	3012	2665	5677	1.0882	0.295269	51	0.044425	53	0.046167247
BSU_34320	epsF	1154	934	610	1544	749	995	1744	0.8854	0.295425	22	0.019064	24	0.020797227
BSU_17267	ymzEc	176	46	11	57	0	28	28	2	0.295723	3	0.017045	2	0.011363636
BSU_22140	kduD	764	432	401	833	360	565	925	0.9006	0.295931	22	0.028796	25	0.032722513
BSU_04670	rsbRA	824	2002	984	2986	1287	857	2144	1.3925	0.296408	41	0.049757	39	0.047330097
BSU_15330	sigG	782	444	645	1089	849	809	1658	0.657	0.296431	30	0.038363	32	0.040920716

BSU_16360	fliQ	269	137	74	211	318	366	684	0.3095	0.296436	7	0.026022	8	0.029739777
BSU_00800	yazB	209	303	0	303	730	4	734	0.4136	0.296472	7	0.033493	9	0.043062201
BSU_06210	ydlJ	971	1906	1634	3540	1903	1651	3554	0.9961	0.296585	51	0.052523	59	0.060762101
BSU_31110	yubF	263	473	395	868	409	554	963	0.9015	0.296667	18	0.068441	21	0.079847909
BSU_07780	yfkR	1154	2428	2453	4881	4331	2393	6724	0.7259	0.296736	41	0.035529	43	0.037261698
BSU_17530	ynaE	641	7845	6631	14476	6480	5835	12315	1.1755	0.296779	80	0.124805	82	0.127925117
BSU_33850	yvbG	635	1762	2135	3897	1699	993	2692	1.4475	0.296952	32	0.050394	33	0.051968504
BSU_39200	yxzC	368	2660	3126	5786	2822	2549	5371	1.0773	0.296993	52	0.141304	54	0.14673913
BSU_40340	rocD	1205	6366	4296	10662	8186	4723	12909	0.8259	0.297036	75	0.062241	79	0.065560166
BSU_tRNA_8	trnSL-Ar	72	113	6	119	10	69	79	1.5	0.297105	4	0.055556	3	0.041666667
BSU_28510	abfB	1487	1624	1875	3499	1796	1576	3372	1.0377	0.297318	55	0.036987	54	0.036314728
BSU_34900	hisB	584	1399	1001	2400	1050	1563	2613	0.9185	0.297475	17	0.02911	20	0.034246575
BSU_00560	spoVT	536	2876	2637	5513	2605	2187	4792	1.1504	0.297495	24	0.044776	31	0.057835821
BSU_32390	yunF	848	868	894	1762	838	880	1718	1.0256	0.297568	30	0.035377	28	0.033018868
BSU_27786		122	6	364	370	15	57	72	5.0822	0.297646	5	0.040984	4	0.032786885
BSU_32100	yumB	1220	1783	874	2657	827	583	1410	1.8838	0.29772	34	0.027869	32	0.026229508
BSU_17860	dinK	317	871	1028	1899	922	886	1808	1.0503	0.297913	25	0.078864	24	0.075709779
BSU_25740	yqeB	722	788	824	1612	349	601	950	1.6961	0.298209	26	0.036011	27	0.037396122
BSU_11970	yjcS	317	818	604	1422	466	560	1026	1.3856	0.298216	21	0.066246	20	0.063091483
BSU_19320	sqhC	1898	2891	3513	6404	2989	3791	6780	0.9446	0.298247	98	0.051633	110	0.057955743
BSU_30960	glgD	1031	1597	926	2523	1825	1227	3052	0.8267	0.29836	40	0.038797	37	0.035887488
BSU_07150	hmoA	326	584	901	1485	819	917	1736	0.8555	0.298395	11	0.033742	13	0.039877301
BSU_15420	divIVA	494	56	0	56	2	2	4	11.4	0.29856	3	0.006073	2	0.004048583
BSU_10270	lcfB	1541	1817	1604	3421	2858	1397	4255	0.804	0.298588	46	0.029851	51	0.033095393
BSU_33840	opcR	557	1275	464	1739	992	1077	2069	0.8406	0.29885	22	0.039497	25	0.044883303
BSU_28720	abfA	1502	1676	2384	4060	1440	2789	4229	0.96	0.298862	59	0.039281	65	0.043275632
BSU_25170	yqfO	1121	882	1033	1915	1508	940	2448	0.7824	0.298905	42	0.037467	46	0.04103479
BSU_30390	bceS	1004	669	787	1456	506	755	1261	1.1545	0.298927	26	0.025896	31	0.030876494
BSU_03880	yczG	314	155	42	197	14	146	160	1.2298	0.298962	4	0.012739	6	0.01910828
BSU_06660	opuE	1478	2360	3525	5885	2673	2624	5297	1.111	0.299	80	0.054127	74	0.050067659
BSU_38220	slrC	671	2084	1827	3911	2845	2067	4912	0.7963	0.299041	44	0.065574	48	0.071535022

BSU_36420	spolIID	281	611	366	977	544	346	890	1.0976	0.299144	14	0.049822	16	0.056939502
BSU_31725		125	748	330	1078	533	130	663	1.625	0.299175	10	0.08	9	0.072
BSU_00340	trmNF	743	2180	1469	3649	2142	1152	3294	1.1077	0.299575	39	0.05249	39	0.052489906
BSU_34630	mdxR	950	1180	1666	2846	1710	1226	2936	0.9694	0.299646	40	0.042105	42	0.044210526
BSU_08970	prkA	1895	1824	1628	3452	1889	1304	3193	1.0811	0.299802	69	0.036412	76	0.040105541
BSU_37450	ywhK	1355	2513	3699	6212	2455	3332	5787	1.0734	0.300016	74	0.054613	78	0.057564576
BSU_40050	gntR	731	2358	3596	5954	2764	3242	6006	0.9913	0.300039	48	0.065663	53	0.07250342
BSU_16260	ylxF	614	248	688	936	357	368	725	1.2906	0.300227	19	0.030945	24	0.039087948
BSU_17300	ebrA	317	946	1446	2392	932	1110	2042	1.1713	0.300434	27	0.085174	25	0.078864353
BSU_30260	msmR	1034	937	1294	2231	997	803	1800	1.2393	0.300638	33	0.031915	32	0.030947776
BSU_23960	artR	722	343	344	687	362	443	805	0.8536	0.30079	12	0.01662	15	0.020775623
BSU_30060	ytfP	1262	503	343	846	476	699	1175	0.7202	0.301022	29	0.022979	32	0.025356577
BSU_31210	rhaR	776	1062	723	1785	578	1050	1628	1.0964	0.301164	27	0.034794	26	0.033505155
BSU_22790	hbs	278	8	2	10	201	0	201	0.0545	0.30126	2	0.007194	1	0.003597122
BSU_26250	yqaN	428	547	740	1287	857	654	1511	0.8519	0.301279	30	0.070093	27	0.063084112
BSU_08750	ygxA	884	833	1131	1964	310	837	1147	1.7117	0.301323	37	0.041855	39	0.044117647
BSU_18540	yoaB	1244	2520	2635	5155	1690	2419	4109	1.2545	0.301431	72	0.057878	72	0.057877814
BSU_03110	ycgH	1340	2251	1891	4142	2125	1909	4034	1.0268	0.301574	50	0.037313	55	0.041044776
BSU_11190	argC	1037	638	934	1572	659	503	1162	1.3525	0.301843	26	0.025072	32	0.030858245
BSU_02550	ycbL	680	1692	1423	3115	1499	1862	3361	0.9268	0.30203	36	0.052941	40	0.058823529
BSU_13030	ykhA	518	682	1010	1692	759	1460	2219	0.7626	0.302057	25	0.048263	28	0.054054054
BSU_03390	yckC	455	1790	1340	3130	991	1755	2746	1.1398	0.302178	32	0.07033	30	0.065934066
BSU_01520	ybaK	443	446	511	957	297	1268	1565	0.6117	0.302377	31	0.069977	26	0.058690745
BSU_19749	yoyG	233	407	393	800	395	355	750	1.0666	0.302393	15	0.064378	14	0.060085837
BSU_26410	psiE	416	1417	796	2213	1052	856	1908	1.1598	0.302581	31	0.074519	27	0.064903846
BSU_35470	comFA	1391	6282	4735	11017	5779	4304	10083	1.0926	0.302674	83	0.059669	98	0.070452912
BSU_29230	dnaEC	3347	2	247	249	0	159	159	1.5625	0.302771	9	0.002689	7	0.002091425
BSU_31300	yugS	1289	1041	1056	2097	881	959	1840	1.1396	0.302863	47	0.036462	53	0.041117145
BSU_26540	yrkE	482	2375	1003	3378	2003	1340	3343	1.0105	0.30292	47	0.09751	50	0.10373444
BSU_19950	sspC	218	0	145	145	2	90	92	1.5699	0.302939	1	0.004587	2	0.009174312
BSU_08490	yfhD	191	38	55	93	341	23	364	0.2575	0.302941	2	0.010471	3	0.015706806

BSU_37530	ywhC	659	519	527	1046	452	379	831	1.2584	0.302942	24	0.036419	30	0.04552352
BSU_04640	alrA	1169	661	444	1105	251	223	474	2.3284	0.303177	13	0.011121	11	0.009409752
BSU_04390	ydbA	818	1678	1434	3112	1998	2538	4536	0.6861	0.303261	21	0.025672	18	0.02200489
BSU_28540	fadB	776	347	556	903	323	215	538	1.6772	0.303316	16	0.020619	15	0.019329897
BSU_36050	cotB	1142	3703	4170	7873	3959	3548	7507	1.0487	0.303404	92	0.08056	103	0.090192644
BSU_17190	pksL	13616	11947	15969	27916	14899	14774	29673	0.9408	0.303431	476	0.034959	509	0.037382491
BSU_21970	ypeP	680	465	484	949	438	338	776	1.2227	0.303438	18	0.026471	22	0.032352941
BSU_07840	yfkN	4388	5095	5345	10440	5975	4623	10598	0.9851	0.303665	157	0.035779	170	0.038742024
BSU_17800	yndJ	1640	3630	3499	7129	2970	2196	5166	1.3799	0.303665	89	0.054268	97	0.059146341
BSU_27150	yrhK	290	247	340	587	143	248	391	1.5	0.303688	10	0.034483	8	0.027586207
BSU_12410	yjoA	464	196	520	716	488	126	614	1.1659	0.303697	13	0.028017	12	0.025862069
BSU_31170	iolU	986	1360	953	2313	910	1264	2174	1.0639	0.303801	34	0.034483	39	0.039553753
BSU_04410	ydbB	341	237	237	474	226	504	730	0.6498	0.303806	9	0.026393	11	0.032258065
BSU_29630	refZ	623	810	525	1335	728	721	1449	0.9214	0.303865	25	0.040128	28	0.04494382
BSU_05600	ydgE	473	2331	2083	4414	1244	3225	4469	0.9877	0.303944	27	0.057082	24	0.050739958
BSU_05870	gmuF	947	1720	1538	3258	1579	1951	3530	0.923	0.304019	57	0.06019	54	0.057022175
BSU_17740	ynzB	188	404	466	870	284	505	789	1.1025	0.304392	10	0.053191	8	0.042553191
BSU_misc_R	tboV	222	0	17	17	0	36	36	0.4865	0.304935	2	0.009009	1	0.004504505
BSU_25040	yqgB	767	1456	867	2323	730	663	1393	1.6671	0.305059	34	0.044329	32	0.041720991
BSU_09600	crcBA	356	334	102	436	55	115	170	2.5556	0.30514	9	0.025281	8	0.02247191
BSU_25810	arsR	317	342	821	1163	348	654	1002	1.1605	0.305524	15	0.047319	19	0.059936909
BSU_18290	yngL	392	222	497	719	299	321	620	1.1594	0.305824	18	0.045918	15	0.038265306
BSU_06470	purQ	683	708	996	1704	981	962	1943	0.8771	0.305847	30	0.043924	33	0.048316252
BSU_16290	flgE	794	1020	1486	2506	1084	559	1643	1.5249	0.305906	34	0.042821	33	0.041561713
BSU_35580	tuaD	1385	4369	3993	8362	2926	4286	7212	1.1594	0.305998	70	0.050542	83	0.059927798
BSU_13340	ykoM	464	796	558	1354	625	773	1398	0.9685	0.306069	15	0.032328	18	0.038793103
BSU_13240	thiU	602	649	441	1090	821	501	1322	0.8246	0.306139	18	0.0299	19	0.031561462
BSU_28420	ysmA	443	585	703	1288	559	727	1286	1.0016	0.306189	22	0.049661	27	0.060948081
BSU_00720	yacD	893	5081	5420	10501	4341	5793	10134	1.0362	0.306365	60	0.067189	62	0.069428891
BSU_05630	dinB	518	2612	2222	4834	3898	2469	6367	0.7593	0.306626	35	0.067568	38	0.073359073
BSU_13750	queF	497	638	522	1160	194	565	759	1.5276	0.306811	26	0.052314	26	0.052313883

BSU_01750	cdaA	821	1080	2	1082	487	10	497	2.1747	0.307063	18	0.021924	23	0.028014616
BSU_27850	nadA	1106	748	855	1603	746	2869	3615	0.4436	0.307151	39	0.035262	36	0.032549729
BSU_10700	gerPC	617	382	961	1343	783	784	1567	0.8571	0.307262	18	0.029173	21	0.034035656
BSU_10810	farP	824	1043	919	1962	1009	1322	2331	0.8418	0.307442	37	0.044903	33	0.040048544
BSU_28200	lonA	2324	1307	1970	3277	1532	2131	3663	0.8947	0.307507	70	0.03012	77	0.03313253
BSU_18190	yngC	596	1053	1627	2680	641	1099	1740	1.5399	0.307517	43	0.072148	47	0.07885906
BSU_29490	tpx	503	593	654	1247	544	671	1215	1.0263	0.30776	18	0.035785	22	0.043737575
BSU_06140	gutR	2489	10575	9807	20382	8223	7478	15701	1.2981	0.307764	134	0.053837	147	0.059059863
BSU_39090	yxiP	680	2156	1579	3735	1526	1741	3267	1.1432	0.308311	28	0.041176	33	0.048529412
BSU_02650	pcp	647	373	747	1120	1181	352	1533	0.7308	0.308417	20	0.030912	22	0.034003091
BSU_26730	yrdF	275	1102	910	2012	1575	795	2370	0.849	0.308465	34	0.123636	39	0.141818182
BSU_misc_R	tswE	101	0	0	0	0	81	81	0.0122	0.308538	0	0	1	0.00990099
BSU_10420	comK	578	811	925	1736	284	732	1016	1.708	0.308727	22	0.038062	24	0.041522491
BSU_12120	yjfB	167	92	29	121	84	62	146	0.8299	0.308903	4	0.023952	5	0.02994012
BSU_02440	glnJ	1232	2207	2065	4272	1795	1770	3565	1.1983	0.308967	48	0.038961	47	0.038149351
BSU_12229	yjzI	188	140	69	209	115	4	119	1.75	0.309021	6	0.031915	5	0.026595745
BSU_18410	ggt	1763	2970	2647	5617	2099	2049	4148	1.3541	0.309276	89	0.050482	98	0.055587067
BSU_05420	ydfI	641	985	2478	3463	2078	1508	3586	0.9657	0.30941	37	0.057722	43	0.067082683
BSU_33080	liaR	635	173	482	655	426	429	855	0.7664	0.309483	17	0.026772	19	0.02992126
BSU_08130	yfjE	458	896	151	1047	140	412	552	1.8951	0.309634	15	0.032751	15	0.032751092
BSU_34180	lutR	659	255	506	761	194	245	439	1.7318	0.310233	9	0.013657	8	0.012139605
BSU_04040	ribZ	749	622	1173	1795	767	1049	1816	0.9884	0.310511	26	0.034713	28	0.037383178
BSU_02270	pssA	533	2337	1554	3891	1664	978	2642	1.4726	0.310541	36	0.067542	33	0.061913696
BSU_05040	yddN	1019	11520	12973	24493	11596	12297	23893	1.0251	0.310669	120	0.117763	123	0.120706575
BSU_10460	yhjC	200	855	266	1121	784	530	1314	0.8532	0.31094	13	0.065	15	0.075
BSU_22710	aroF	1172	88	142	230	75	95	170	1.3509	0.310974	12	0.010239	15	0.012798635
BSU_19590	ctpA	1400	1907	2441	4348	1713	1632	3345	1.2998	0.31123	56	0.04	56	0.04
BSU_03500	comS	140	1228	296	1524	462	1332	1794	0.8496	0.311333	8	0.057143	10	0.071428571
BSU_30880	ytC	1223	1070	1751	2821	848	1526	2374	1.1882	0.311488	44	0.035977	41	0.033524121
BSU_25420	yqeW	923	948	1438	2386	1284	1356	2640	0.9038	0.311521	37	0.040087	42	0.045503792
BSU_39570	yxeF	434	1418	2080	3498	1143	4117	5260	0.6651	0.311643	17	0.039171	18	0.041474654

BSU_10620	addB	3500	727	889	1616	330	258	588	2.7453	0.311779	60	0.017143	62	0.017714286
BSU_26180	yqbA	1532	1921	3314	5235	2951	2174	5125	1.0215	0.311858	101	0.065927	99	0.06462141
BSU_25940	yqcD	335	1147	1591	2738	1386	1381	2767	0.9895	0.312041	29	0.086567	28	0.08358209
BSU_15120	bshC	1619	1749	1690	3439	2036	1825	3861	0.8907	0.312409	56	0.034589	64	0.039530574
BSU_30570	ytmB	242	396	320	716	268	425	693	1.0331	0.312634	12	0.049587	17	0.070247934
BSU_37830	spsJ	947	1148	922	2070	1360	1395	2755	0.7515	0.312789	31	0.032735	35	0.036958817
BSU_12420	yjoB	1271	2327	1699	4026	1985	1861	3846	1.0468	0.312931	59	0.04642	62	0.048780488
BSU_14010	cheV	911	1634	1713	3347	1747	1986	3733	0.8966	0.313865	39	0.04281	42	0.046103183
BSU_36900	glyA	1247	116	217	333	329	81	410	0.8127	0.313976	9	0.007217	7	0.005613472
BSU_17890	tktA	2003	192	125	317	235	64	299	1.06	0.314002	20	0.009985	24	0.011982027
BSU_17810	yndK	365	552	471	1023	293	497	790	1.2946	0.314321	13	0.035616	19	0.052054795
BSU_36450	ywoG	1190	1624	1144	2768	1207	1469	2676	1.0344	0.314407	56	0.047059	62	0.05210084
BSU_39210	yxIF	470	2281	3888	6169	1978	3135	5113	1.2065	0.314488	33	0.070213	34	0.072340426
BSU_35820	gerBC	1124	1791	2033	3824	1217	1697	2914	1.3122	0.314712	50	0.044484	52	0.046263345
BSU_09040	yhcD	155	261	74	335	279	176	455	0.7368	0.314719	8	0.051613	9	0.058064516
BSU_13080	ykkB	518	190	621	811	494	309	803	1.01	0.314794	17	0.032819	15	0.028957529
BSU_32950	cotNW	437	838	650	1488	964	777	1741	0.8548	0.3152	22	0.050343	25	0.057208238
BSU_13370	ykoQ	812	379	458	837	668	788	1456	0.5752	0.315218	30	0.036946	31	0.03817734
BSU_16440	cheW	470	429	596	1025	588	605	1193	0.8593	0.315473	16	0.034043	19	0.040425532
BSU_00650	yabS	737	704	866	1570	797	697	1494	1.0508	0.315809	22	0.029851	22	0.029850746
BSU_14040	ltdD	494	958	460	1418	1129	612	1741	0.8146	0.315892	27	0.054656	30	0.060728745
BSU_14650	yktB	638	623	232	855	248	526	774	1.1045	0.316069	17	0.026646	20	0.031347962
BSU_32850	putM	908	714	709	1423	1146	527	1673	0.8507	0.316819	32	0.035242	29	0.031938326
BSU_17350	ymzC	272	499	262	761	267	275	542	1.4033	0.317162	11	0.040441	15	0.055147059
BSU_32830	fadA	1175	699	497	1196	1406	749	2155	0.5552	0.317184	22	0.018723	24	0.020425532
BSU_06370	pbuG	1322	1619	1839	3458	1045	1384	2429	1.4235	0.317271	58	0.043873	62	0.046898638
BSU_34510	yvdQ	512	462	687	1149	303	445	748	1.5354	0.317342	16	0.03125	17	0.033203125
BSU_35900	capB	1181	2965	2727	5692	3065	2251	5316	1.0707	0.31749	66	0.055885	76	0.064352244
BSU_39930	yxAM	1199	9364	9964	19328	9959	9652	19611	0.9856	0.317543	131	0.109258	137	0.114261885
BSU_22960	gudB	1283	1881	1458	3339	1493	967	2460	1.3572	0.317568	41	0.031956	50	0.038971161
BSU_40890	rpsR	239	0	26	26	2	2614	2616	0.0103	0.317638	2	0.008368	3	0.012552301

BSU_05130	cdnL	461	8776	7541	16317	8208	5981	14189	1.15	0.317765	67	0.145336	66	0.143167028
BSU_18950	yoZL	293	7146	6004	13150	5872	5739	11611	1.1325	0.317784	34	0.116041	35	0.119453925
BSU_34130	ganA	2063	3050	2822	5872	2884	2490	5374	1.0927	0.318006	75	0.036355	85	0.041202133
BSU_11460	oppD	1076	487	390	877	367	694	1061	0.8267	0.318268	28	0.026022	25	0.023234201
BSU_26748	yrDc	158	241	523	764	457	145	602	1.2687	0.318326	12	0.075949	11	0.069620253
BSU_12220	ppuG	1178	1784	1298	3082	1117	2020	3137	0.9825	0.318474	37	0.031409	34	0.028862479
BSU_misc_R	surF	100	118	63	181	179	143	322	0.5635	0.318475	5	0.05	6	0.06
BSU_02100	cypC	1253	1277	1832	3109	1900	1669	3569	0.8711	0.318763	43	0.034318	43	0.034317638
BSU_37390	albC	719	1242	658	1900	1051	1405	2456	0.7737	0.318852	29	0.040334	33	0.045897079
BSU_36470	pucl	1472	4389	4168	8557	7003	4210	11213	0.7632	0.319019	85	0.057745	96	0.065217391
BSU_10950	slpS	758	663	380	1043	762	785	1547	0.6744	0.319175	20	0.026385	23	0.030343008
BSU_19520	yojA	1334	1400	1276	2676	1016	950	1966	1.361	0.319296	48	0.035982	48	0.035982009
BSU_26950	yraG	245	166	147	313	224	118	342	0.9155	0.319439	7	0.028571	9	0.036734694
BSU_17960	yneK	428	834	939	1773	935	928	1863	0.9517	0.319461	28	0.065421	30	0.070093458
BSU_35698	yvzl	206	8668	8388	17056	11423	8808	20231	0.8431	0.319512	45	0.218447	44	0.213592233
BSU_41050	rnpA	350	712	379	1091	207	332	539	2.0222	0.319531	8	0.022857	7	0.02
BSU_01980	skfH	425	2753	2293	5046	2890	2104	4994	1.0104	0.319614	38	0.089412	46	0.108235294
BSU_07230	flvM	1109	1599	1987	3586	1831	1681	3512	1.0211	0.319672	40	0.036069	42	0.037871957
BSU_24880	yqgO	173	247	407	654	205	289	494	1.3232	0.319696	10	0.057803	13	0.075144509
BSU_37920	gerQ	545	1572	1258	2830	1286	838	2124	1.3322	0.319707	19	0.034862	27	0.049541284
BSU_11381	appAn	464	557	657	1214	210	608	818	1.4835	0.319788	20	0.043103	17	0.036637931
BSU_16110	dprA	893	695	265	960	353	478	831	1.155	0.319856	26	0.029115	32	0.035834267
BSU_32050	pepA	1502	1562	1740	3302	1194	1076	2270	1.4544	0.320099	45	0.02996	46	0.030625832
BSU_13100	gdnD	317	127	103	230	82	144	226	1.0176	0.320221	7	0.022082	9	0.028391167
BSU_02770	yccK	932	955	1678	2633	1767	1190	2957	0.8905	0.320308	32	0.034335	36	0.038626609
BSU_23040	fer	248	94	4	98	2	88	90	1.0879	0.32036	3	0.012097	2	0.008064516
BSU_31280	yugU	398	497	748	1245	289	510	799	1.5575	0.320427	20	0.050251	18	0.045226131
BSU_06290	yeaA	989	2919	2250	5169	2375	2576	4951	1.044	0.320513	60	0.060667	59	0.059656218
BSU_08870	ygaN	536	1071	1023	2094	766	1360	2126	0.985	0.320595	23	0.04291	28	0.052238806
BSU_40358		128	589	519	1108	961	408	1369	0.8095	0.320926	9	0.070313	11	0.0859375
BSU_09690	nhaX	500	760	782	1542	585	1084	1669	0.924	0.320959	24	0.048	29	0.058

BSU_17950	yneJ	491	1073	717	1790	526	1262	1788	1.0011	0.321229	27	0.05499	32	0.065173116
BSU_19100	yobV	941	3298	2841	6139	2191	2936	5127	1.1973	0.321328	56	0.059511	57	0.060573858
BSU_18810	yobA	362	3810	3922	7732	3312	2600	5912	1.3078	0.321329	46	0.127072	46	0.127071823
BSU_13789	ykzQ	227	981	576	1557	1597	654	2251	0.6918	0.321341	21	0.092511	23	0.101321586
BSU_02810	cwlK	503	1796	2140	3936	1887	1159	3046	1.2921	0.321699	38	0.075547	38	0.07554672
BSU_34440	pbpE	1355	6241	6422	12663	5807	5998	11805	1.0727	0.321972	94	0.069373	105	0.077490775
BSU_22980	ypbG	779	1134	1795	2929	914	577	1491	1.9638	0.322486	33	0.042362	35	0.044929397
BSU_23950	yqjA	968	1201	1324	2525	1151	2046	3197	0.7899	0.322592	39	0.040289	43	0.044421488
BSU_00240	csfB	194	1971	1144	3115	1560	1109	2669	1.167	0.322665	22	0.113402	25	0.128865979
BSU_24280	ispA	890	4	4	8	10	4	14	0.6	0.32281	2	0.002247	3	0.003370787
BSU_23370	ypuA	872	1008	611	1619	393	574	967	1.6736	0.323037	32	0.036697	32	0.036697248
BSU_12040	yjdG	506	852	887	1739	775	745	1520	1.144	0.323076	33	0.065217	37	0.07312253
BSU_22100	kdgA	590	3331	425	3756	500	749	1249	3.0056	0.323137	21	0.035593	23	0.038983051
BSU_10250	lpU	995	829	642	1471	608	426	1034	1.4222	0.323363	33	0.033166	40	0.040201005
BSU_16980	spoVS	260	109	2	111	4	663	667	0.1677	0.323501	3	0.011538	4	0.015384615
BSU_22920	sleC	1352	3820	4478	8298	3434	3994	7428	1.1171	0.323994	81	0.059911	86	0.063609467
BSU_00080	yaaC	947	11657	6269	17926	6380	6211	12591	1.4237	0.324238	95	0.100317	96	0.101372756
BSU_39540	yxel	986	3190	4767	7957	4342	4742	9084	0.8759	0.324286	71	0.072008	73	0.074036511
BSU_06040	ydiM	380	2269	2232	4501	1682	2466	4148	1.0851	0.324289	31	0.081579	36	0.094736842
BSU_38250	ywbO	602	1417	947	2364	476	756	1232	1.9181	0.324325	24	0.039867	26	0.043189369
BSU_22970	mecB	584	1017	1098	2115	1085	443	1528	1.3839	0.324348	26	0.044521	35	0.059931507
BSU_11490	yjbC	578	449	339	788	401	474	875	0.9007	0.324349	21	0.036332	25	0.043252595
BSU_03780	phrC	122	162	56	218	265	60	325	0.6718	0.324444	4	0.032787	5	0.040983607
BSU_04100	pxpR	752	972	1390	2362	1024	1722	2746	0.8602	0.324485	28	0.037234	32	0.042553191
BSU_30360	yttA	746	672	885	1557	473	929	1402	1.1105	0.324862	26	0.034853	25	0.033512064
BSU_17440	ynbB	1265	1601	1850	3451	1447	3273	4720	0.7312	0.324903	55	0.043478	59	0.046640316
BSU_07735	yflB	392	637	420	1057	235	1736	1971	0.5365	0.325487	17	0.043367	15	0.038265306
BSU_24290	xseB	254	17	0	17	8	9	17	1	0.325646	1	0.003937	2	0.007874016
BSU_28645		206	0	36	36	0	10	10	3.3636	0.325646	1	0.004854	2	0.009708738
BSU_30680	ytjA	227	0	17	17	12	0	12	1.3846	0.325646	1	0.004405	2	0.008810573
BSU_36940	mntP	557	831	1181	2012	1081	765	1846	1.0899	0.32586	31	0.055655	30	0.053859964

BSU_28210	lonB	1658	1001	1074	2075	686	1042	1728	1.2007	0.326063	34	0.020507	38	0.02291918
BSU_10640	sbcD	1175	551	627	1178	344	400	744	1.5826	0.3261	25	0.021277	25	0.021276596
BSU_06559	yezF	227	361	393	754	960	328	1288	0.5857	0.326164	8	0.035242	9	0.039647577
BSU_06930	yesK	302	402	342	744	270	738	1008	0.7384	0.326469	12	0.039735	10	0.033112583
BSU_40700	yybB	662	13728	9340	23068	11930	8567	20497	1.1254	0.326582	79	0.119335	84	0.126888218
BSU_16060	rnhB	767	877	851	1728	894	1041	1935	0.8931	0.326689	29	0.03781	33	0.043024772
BSU_25030	yqgC	482	1012	543	1555	1209	564	1773	0.8771	0.326883	29	0.060166	31	0.064315353
BSU_31360	bdhK	1172	1459	1067	2526	1370	715	2085	1.2114	0.32689	46	0.039249	48	0.040955631
BSU_28790	araB	1682	997	925	1922	900	796	1696	1.1332	0.327087	39	0.023187	38	0.022592152
BSU_32790	yusG	236	144	264	408	290	404	694	0.5885	0.327115	10	0.042373	12	0.050847458
BSU_37950	ywdI	317	328	620	948	432	376	808	1.1731	0.327122	10	0.031546	8	0.025236593
BSU_21610	nukF	890	2	4	6	0	4	4	1.4	0.327344	3	0.003371	2	0.002247191
BSU_22420	panC	860	2	44	46	8	51	59	0.7833	0.32736	2	0.002326	3	0.003488372
BSU_32640	sspG	146	11	36	47	21	30	51	0.9231	0.327616	2	0.013699	3	0.020547945
BSU_37569		155	36	189	225	259	75	334	0.6746	0.327782	5	0.032258	6	0.038709677
BSU_30250	ytaP	899	1064	859	1923	1184	1055	2239	0.8589	0.327861	32	0.035595	30	0.033370412
BSU_08070	acoB	1028	1106	1039	2145	864	1487	2351	0.9124	0.327894	26	0.025292	31	0.030155642
BSU_31490	pbpD	1874	2828	1771	4599	1027	857	1884	2.4403	0.327949	70	0.037353	76	0.040554963
BSU_28410	gerE	224	46	189	235	183	282	465	0.5064	0.328164	6	0.026786	7	0.03125
BSU_24070	buk	1091	759	922	1681	1096	719	1815	0.9262	0.328173	33	0.030247	34	0.03116407
BSU_38960	yxjG	1136	1313	1378	2691	1139	1520	2659	1.012	0.32825	39	0.034331	36	0.031690141
BSU_01770	glmM	1346	44	0	44	21	19	40	1.0976	0.328928	2	0.001486	3	0.002228826
BSU_25569	yqzM	134	98	27	125	26	19	45	2.7391	0.329214	4	0.029851	5	0.037313433
BSU_36600	mta	773	1504	1063	2567	1014	1378	2392	1.0731	0.329241	25	0.032342	30	0.038809832
BSU_07290	yfnF	911	1532	1198	2730	1086	1453	2539	1.0752	0.329332	31	0.034029	34	0.037321625
BSU_28570	yshE	404	555	372	927	317	504	821	1.129	0.329439	15	0.037129	13	0.032178218
BSU_24660	spolIT	179	272	801	1073	382	490	872	1.2302	0.32966	10	0.055866	14	0.078212291
BSU_40330	rocE	1403	6332	8240	14572	6301	6309	12610	1.1556	0.329685	91	0.064861	96	0.068424804
BSU_26558	yrzM	317	1775	3028	4803	1764	1738	3502	1.3714	0.329712	46	0.14511	53	0.167192429
BSU_21130	yonD	1436	4	2	6	6	0	6	1	0.329796	3	0.002089	2	0.001392758
BSU_14290	mobB	521	680	179	859	361	522	883	0.9729	0.329796	16	0.03071	19	0.03646833

BSU_06680	gatA	1457	23	0	23	8	2	10	2.1818	0.329865	2	0.001373	3	0.002059025
BSU_13740	queE	731	213	411	624	148	194	342	1.8222	0.330047	12	0.016416	16	0.021887825
BSU_08350	estB	632	1782	1986	3768	1464	2016	3480	1.0827	0.330218	52	0.082278	60	0.094936709
BSU_05050	lrpA	410	14757	13823	28580	11181	11947	23128	1.2357	0.330304	79	0.192683	85	0.207317073
BSU_17000	kbl	1178	2112	1419	3531	1053	1291	2344	1.5062	0.330413	45	0.0382	54	0.045840407
BSU_36720	ywmE	161	839	720	1559	491	575	1066	1.462	0.330712	11	0.068323	15	0.093167702
BSU_04050	pxpA	773	484	652	1136	851	353	1204	0.9436	0.330791	24	0.031048	23	0.029754204
BSU_32860	yusN	332	246	540	786	145	489	634	1.2394	0.330842	9	0.027108	11	0.03313253
BSU_23349		116	532	810	1342	549	815	1364	0.9839	0.330867	11	0.094828	12	0.103448276
BSU_04090	pxpC	1007	633	977	1610	991	426	1417	1.1361	0.33089	17	0.016882	22	0.021847071
BSU_29620	hisK	806	1274	1227	2501	1241	1242	2483	1.0072	0.330915	48	0.059553	42	0.052109181
BSU_16150	clpQ	545	320	31	351	161	183	344	1.0203	0.330971	9	0.016514	11	0.020183486
BSU_27100	yrhP	632	1516	1524	3040	1595	1144	2739	1.1099	0.331171	43	0.068038	48	0.075949367
BSU_19600	yodH	701	1523	756	2279	910	1041	1951	1.168	0.331231	31	0.044223	36	0.051355207
BSU_17780	yndG	806	2701	2104	4805	1839	1505	3344	1.4368	0.331236	51	0.063275	61	0.075682382
BSU_28390	rcmE	818	0	122	122	15	15	30	3.9677	0.331455	3	0.003667	2	0.002444988
BSU_22240	ypqA	419	675	1015	1690	525	648	1173	1.4404	0.331555	18	0.042959	17	0.040572792
BSU_30020	ytzE	221	483	296	779	302	1055	1357	0.5744	0.331584	16	0.072398	15	0.067873303
BSU_04560	ddlA	1064	181	0	181	191	0	191	0.9479	0.331677	3	0.00282	2	0.001879699
BSU_24620	tasA	785	787	835	1622	1223	714	1937	0.8375	0.331714	33	0.042038	36	0.045859873
BSU_18550	yoaC	1463	2064	2127	4191	2003	1844	3847	1.0894	0.331729	58	0.039645	65	0.044429255
BSU_35239	swrAAn	116	879	642	1521	394	854	1248	1.2186	0.331832	13	0.112069	13	0.112068966
BSU_22850	yphB	893	1450	1336	2786	1371	1168	2539	1.0972	0.332016	40	0.044793	37	0.041433371
BSU_10920	yitA	1169	963	993	1956	1408	970	2378	0.8226	0.332084	35	0.02994	40	0.03421728
BSU_32480	pucD	2237	2418	2866	5284	2820	3464	6284	0.8409	0.332099	56	0.025034	61	0.027268663
BSU_16920	pgsA	581	23	25	48	11	47	58	0.8305	0.332194	3	0.005164	2	0.003442341
BSU_06220	ydlJ	1025	1504	2407	3911	2195	2536	4731	0.8267	0.332546	56	0.054634	58	0.056585366
BSU_06540	yezC	419	495	824	1319	501	1022	1523	0.8661	0.332719	15	0.0358	19	0.045346062
BSU_37930	ywdK	371	1423	695	2118	1589	1157	2746	0.7714	0.332773	29	0.078167	30	0.080862534
BSU_37740	bacA	614	2063	1288	3351	1803	1804	3607	0.929	0.332915	37	0.060261	40	0.06514658
BSU_40210	yydC	398	21344	15553	36897	21864	19750	41614	0.8867	0.333069	79	0.198492	81	0.203517588

BSU_33610	rn	2339	2829	3685	6514	4125	3093	7218	0.9025	0.333089	73	0.03121	79	0.033775118
BSU_22820	ypH	203	156	557	713	446	537	983	0.7256	0.333239	9	0.044335	12	0.0591133
BSU_15240	divB	791	147	82	229	53	4	57	3.9655	0.33328	13	0.016435	12	0.01517067
BSU_19790	cgeB	953	2619	1778	4397	1692	1315	3007	1.4621	0.333489	59	0.06191	61	0.064008395
BSU_07820	treR	716	1692	1052	2744	1117	1262	2379	1.1534	0.333633	25	0.034916	32	0.044692737
BSU_07050	rhgW	1862	2105	2425	4530	2278	2481	4759	0.9519	0.333658	55	0.029538	61	0.032760473
BSU_34970	ppaX	650	1723	1592	3315	1819	980	2799	1.1843	0.333769	43	0.066154	47	0.072307692
BSU_31200	rhaB	1457	1342	1916	3258	1696	1661	3357	0.9705	0.33399	55	0.037749	59	0.040494166
BSU_17840	fosB	434	349	272	621	554	355	909	0.6835	0.334134	15	0.034562	16	0.036866359
BSU_00160	sleL	1283	6016	3904	9920	5976	3319	9295	1.0672	0.334224	78	0.060795	82	0.063912705
BSU_07280	spmG	968	943	1473	2416	1502	1182	2684	0.9002	0.334465	36	0.03719	42	0.04338843
BSU_06160	gutP	1391	5349	22711	28060	4289	5865	10154	2.7633	0.334494	105	0.075485	114	0.081955428
BSU_35930	rbsD	395	418	292	710	267	612	879	0.808	0.334702	11	0.027848	13	0.032911392
BSU_misc_R	tboX	235	317	842	1159	318	32	350	3.3048	0.334724	9	0.038298	9	0.038297872
BSU_13650	eag	431	389	452	841	211	603	814	1.0331	0.334807	20	0.046404	19	0.044083527
BSU_03100	ycgG	761	652	382	1034	627	697	1324	0.7811	0.335117	25	0.032852	26	0.034165572
BSU_31460	kapB	386	934	2532	3466	806	1587	2393	1.4482	0.335154	17	0.044041	16	0.041450777
BSU_02880	yceB	995	637	651	1288	845	1024	1869	0.6893	0.335186	25	0.025126	27	0.027135678
BSU_33029	spxO	164	0	21	21	0	13	13	1.5714	0.335203	1	0.006098	2	0.012195122
BSU_23360	ppiB	431	418	222	640	314	232	546	1.1718	0.33528	14	0.032483	18	0.041763341
BSU_16370	fliR	779	1249	2711	3960	1311	1829	3140	1.2611	0.335374	42	0.053915	47	0.060333761
BSU_23650	yqkC	239	259	339	598	102	160	262	2.2776	0.335756	9	0.037657	10	0.041841004
BSU_27530	rarA	1265	671	1173	1844	723	949	1672	1.1028	0.33597	42	0.033202	39	0.03083004
BSU_35140	yvKN	230	1046	1028	2074	751	1294	2045	1.0142	0.336113	24	0.104348	24	0.104347826
BSU_17100	pkcC	866	2387	1440	3827	1522	1633	3155	1.2129	0.336119	49	0.056582	49	0.056581986
BSU_09165	yhcO	968	1017	1455	2472	1127	954	2081	1.1878	0.33615	33	0.034091	38	0.039256198
BSU_11530	coiA	1121	1431	1752	3183	1849	1813	3662	0.8692	0.336693	43	0.038359	47	0.041926851
BSU_10610	yhjR	437	1303	956	2259	1079	1110	2189	1.032	0.336715	20	0.045767	19	0.043478261
BSU_37360	sboX	152	3575	2669	6244	4360	2836	7196	0.8677	0.336825	15	0.098684	17	0.111842105
BSU_11839	yjzE	254	927	818	1745	407	1271	1678	1.0399	0.336885	21	0.082677	26	0.102362205
BSU_27210	yrhF	368	1217	967	2184	677	784	1461	1.4945	0.337042	17	0.046196	23	0.0625

BSU_03010	amhX	1151	819	535	1354	544	394	938	1.443	0.337191	20	0.017376	19	0.016507385
BSU_29000	nrdR	458	240	102	342	282	137	419	0.8167	0.337198	10	0.021834	12	0.026200873
BSU_06880	yesF	860	861	750	1611	899	896	1795	0.8976	0.337244	26	0.030233	31	0.036046512
BSU_12140	yjgA	398	904	662	1566	984	968	1952	0.8024	0.337367	22	0.055276	23	0.057788945
BSU_02320	ybfP	887	3882	3954	7836	2868	3353	6221	1.2596	0.337477	64	0.072153	65	0.073280722
BSU_misc_R	gdwA	111	80	137	217	108	75	183	1.1848	0.337565	4	0.036036	6	0.054054054
BSU_34840	yvcB	1910	9083	9083	18166	9565	7560	17125	1.0608	0.337588	176	0.092147	190	0.09947644
BSU_24670	comGG	374	1129	1055	2184	1084	1102	2186	0.9991	0.337889	29	0.07754	29	0.077540107
BSU_17040	mutS	2576	3234	2643	5877	1820	2620	4440	1.3236	0.337991	91	0.035326	104	0.040372671
BSU_23010	ypbD	569	541	739	1280	671	501	1172	1.0921	0.337992	33	0.057996	36	0.063268893
BSU_18220	ldeF	782	567	567	1134	569	581	1150	0.9861	0.338007	22	0.028133	26	0.033248082
BSU_13170	guaN	470	279	143	422	299	251	550	0.7677	0.33811	10	0.021277	8	0.017021277
BSU_misc_R	csfG	120	23	390	413	60	130	190	2.1675	0.338143	6	0.05	8	0.066666667
BSU_09390	ygxB	1658	1733	1194	2927	1787	1427	3214	0.9107	0.338232	56	0.033776	60	0.036188179
BSU_24900	rpmGA	149	57	278	335	344	19	363	0.9231	0.338321	9	0.060403	8	0.053691275
BSU_05090	yddS	1310	44190	37823	82013	40539	36728	77267	1.0614	0.338342	207	0.158015	202	0.154198473
BSU_33750	sdpA	476	4762	6948	11710	5327	4952	10279	1.1392	0.338379	68	0.142857	68	0.142857143
BSU_03570	sfpAn	497	517	403	920	302	303	605	1.5198	0.338583	15	0.030181	21	0.042253521
BSU_40310	phrG	116	55	101	156	105	88	193	0.8093	0.339035	3	0.025862	4	0.034482759
BSU_04750	ydcF	293	471	648	1119	815	642	1457	0.7682	0.339059	15	0.051195	17	0.058020478
BSU_31790	yueG	221	397	535	932	239	191	430	2.1647	0.339167	9	0.040724	9	0.040723982
BSU_34860	hisIE	629	1381	1624	3005	1320	1457	2777	1.0821	0.339365	24	0.038156	28	0.044515103
BSU_35280	yvjA	884	4499	2904	7403	3573	3484	7057	1.049	0.339497	69	0.078054	67	0.075791855
BSU_05280	ydeO	872	4190	2736	6926	3296	2465	5761	1.2022	0.339576	60	0.068807	71	0.081422018
BSU_28760	egsA	1184	759	791	1550	816	587	1403	1.1047	0.339926	28	0.023649	27	0.022804054
BSU_40000	ynxA	1070	5766	4795	10561	4905	4902	9807	1.0769	0.340033	43	0.040187	45	0.042056075
BSU_23590	ansR	350	312	149	461	307	242	549	0.84	0.340112	14	0.04	11	0.031428571
BSU_34340	epsD	1145	2442	2367	4809	2146	1901	4047	1.1882	0.340276	44	0.038428	52	0.045414847
BSU_37460	rapF	1145	3808	3857	7665	3106	4807	7913	0.9687	0.340427	89	0.077729	97	0.084716157
BSU_12930	dppB	926	736	392	1128	478	533	1011	1.1156	0.340457	25	0.026998	23	0.024838013
BSU_21720	ypmT	194	21	246	267	125	43	168	1.5858	0.34049	7	0.036082	9	0.046391753

BSU_22800	spoIVA	1478	1327	2351	3678	1550	1617	3167	1.1613	0.340546	56	0.037889	64	0.043301759
BSU_21960	ypeQ	182	80	160	240	107	137	244	0.9837	0.340578	8	0.043956	6	0.032967033
BSU_35180	csbA	230	1355	911	2266	775	1567	2342	0.9676	0.340659	24	0.104348	27	0.117391304
BSU_36030	ywrK	1328	5000	5617	10617	5338	5271	10609	1.0008	0.340897	112	0.084337	127	0.09563253
BSU_19470	yojF	350	759	781	1540	918	655	1573	0.979	0.340997	14	0.04	18	0.051428571
BSU_32840	fadN	2369	2886	2363	5249	3044	2153	5197	1.01	0.341324	64	0.027016	71	0.029970452
BSU_01640	btr	1589	3233	5058	8291	4119	4540	8659	0.9575	0.341402	71	0.044682	77	0.04845815
BSU_26900	yraL	263	751	2271	3022	736	1171	1907	1.5844	0.341516	16	0.060837	21	0.079847909
BSU_06700	yerO	869	988	1936	2924	1437	1714	3151	0.928	0.341527	51	0.058688	52	0.059838895
BSU_39850	yxbF	1142	2470	2864	5334	2711	2347	5058	1.0546	0.341639	53	0.04641	60	0.052539405
BSU_04210	ydaF	551	1064	598	1662	767	882	1649	1.0079	0.341641	22	0.039927	21	0.038112523
BSU_17920	spo0D	173	208	426	634	156	141	297	2.1309	0.341754	11	0.063584	11	0.063583815
BSU_39800	ycx	308	1120	2328	3448	1750	1597	3347	1.0302	0.341871	30	0.097403	30	0.097402597
BSU_38950	yxjH	1133	1118	1234	2352	1440	1210	2650	0.8876	0.341945	27	0.023831	26	0.022947926
BSU_18596		122	185	204	389	385	229	614	0.6341	0.342046	10	0.081967	10	0.081967213
BSU_33540	azoRB	635	1773	1695	3468	2011	1457	3468	1	0.342165	38	0.059843	39	0.061417323
BSU_37420	albF	1280	3731	4890	8621	4817	4879	9696	0.8891	0.342543	62	0.048438	59	0.04609375
BSU_21890	hdhQ	617	617	420	1037	722	606	1328	0.781	0.342714	23	0.037277	24	0.038897893
BSU_07190	yezD	167	155	2	157	44	92	136	1.1533	0.342722	4	0.023952	3	0.017964072
BSU_38880	yxjO	875	5224	3323	8547	4171	3274	7445	1.148	0.342768	60	0.068571	61	0.069714286
BSU_40880	exoA	758	8756	7152	15908	9102	6001	15103	1.0533	0.34287	61	0.080475	62	0.081794195
BSU_34660	yvdB	1592	3209	1855	5064	2634	3597	6231	0.8127	0.34298	59	0.03706	62	0.038944724
BSU_23540	yqkK	215	314	203	517	122	261	383	1.349	0.343064	11	0.051163	10	0.046511628
BSU_11310	comZ	191	57	126	183	212	60	272	0.674	0.343114	4	0.020942	5	0.02617801
BSU_30466		137	122	380	502	258	55	313	1.6019	0.34346	7	0.051095	9	0.065693431
BSU_misc_R	ssrSA	202	38	401	439	10	244	254	1.7255	0.34356	9	0.044554	8	0.03960396
BSU_04160	mtlR	2084	3538	4057	7595	4178	4266	8444	0.8995	0.343706	100	0.047985	106	0.050863724
BSU_07180	yetI	296	362	453	815	294	454	748	1.0895	0.343789	15	0.050676	14	0.047297297
BSU_22580	ypiB	539	670	742	1412	476	525	1001	1.4102	0.344289	22	0.040816	21	0.038961039
BSU_11350	yjaZ	785	739	549	1288	1013	288	1301	0.99	0.344354	26	0.033121	30	0.038216561
BSU_22390	ypmA	170	339	25	364	21	135	156	2.3248	0.3444	5	0.029412	7	0.041176471

BSU_15050	yblL	1025	1344	2014	3358	1573	926	2499	1.3436	0.344582	41	0.04	47	0.045853659
BSU_22300	yppC	962	788	366	1154	648	602	1250	0.9233	0.344745	32	0.033264	28	0.029106029
BSU_29930	amyX	2156	2446	2586	5032	1802	2809	4611	1.0913	0.344844	69	0.032004	81	0.037569573
BSU_14569	ykzV	158	76	23	99	69	70	139	0.7143	0.344893	3	0.018987	4	0.025316456
BSU_03580	yczE	647	512	676	1188	585	483	1068	1.1123	0.344971	22	0.034003	25	0.038639876
BSU_24860	yqgQ	215	280	177	457	85	206	291	1.5685	0.345355	11	0.051163	12	0.055813953
BSU_12620	xkdH	356	567	680	1247	577	1091	1668	0.7478	0.345417	18	0.050562	20	0.056179775
BSU_27420	yrri	1061	1482	1489	2971	1673	1025	2698	1.1011	0.345482	45	0.042413	49	0.046182846
BSU_22910	dgrA	653	1832	1478	3310	2191	1426	3617	0.9151	0.345676	46	0.070444	50	0.076569678
BSU_38620	aag	590	3047	3612	6659	3863	3741	7604	0.8757	0.345714	24	0.040678	27	0.045762712
BSU_39970	yxah	1208	15048	10853	25901	16833	10638	27471	0.9429	0.345892	92	0.076159	99	0.081953642
BSU_05890	ydhUc	728	1616	2331	3947	1481	1917	3398	1.1615	0.345927	43	0.059066	47	0.06456044
BSU_22770	mtrB	227	111	160	271	460	56	516	0.5261	0.346254	4	0.017621	3	0.013215859
BSU_misc_R	tboG	174	0	241	241	0	224	224	1.0756	0.346325	4	0.022989	5	0.028735632
BSU_12671	xkdN	446	164	5909	6073	293	625	918	6.6094	0.346621	21	0.047085	20	0.044843049
BSU_05370	ydfD	1448	5235	6922	12157	4167	6057	10224	1.189	0.346704	113	0.078039	123	0.084944751
BSU_31480	yuxJ	1178	1077	965	2042	1372	1078	2450	0.8335	0.346765	26	0.022071	29	0.024617997
BSU_33020	cssS	1355	1319	1685	3004	1786	1994	3780	0.7948	0.347242	62	0.045756	64	0.047232472
BSU_27570	yrzK	170	58	76	134	28	79	107	1.25	0.347288	4	0.023529	3	0.017647059
BSU_25490	hrcA	1031	246	726	972	58	294	352	2.7564	0.347366	24	0.023278	25	0.024248303
BSU_07850	sufLB	518	251	292	543	373	405	778	0.6983	0.348511	12	0.023166	12	0.023166023
BSU_06037	ydZT	209	556	261	817	388	308	696	1.1736	0.348574	13	0.062201	12	0.057416268
BSU_36670	csbD	188	42	160	202	69	123	192	1.0518	0.34865	5	0.026596	7	0.037234043
BSU_39840	yxbG	821	740	1076	1816	746	1232	1978	0.9181	0.34874	21	0.025579	23	0.028014616
BSU_22160	yptA	191	421	254	675	82	175	257	2.6202	0.34875	6	0.031414	9	0.047120419
BSU_27470	yrriD	524	590	675	1265	571	896	1467	0.8624	0.349066	20	0.038168	24	0.045801527
BSU_21670	spsMc	605	571	195	766	490	187	677	1.1313	0.349298	13	0.021488	16	0.026446281
BSU_25850	yqzI	158	146	518	664	266	368	634	1.0472	0.34931	12	0.075949	14	0.088607595
BSU_37660	pta	971	38	88	126	40	62	102	1.233	0.349397	10	0.010299	12	0.012358393
BSU_08320	bifM	1190	1286	1421	2707	1178	1123	2301	1.1764	0.349398	40	0.033613	47	0.039495798
BSU_15970	ylxM	332	232	0	232	125	0	125	1.8492	0.349456	6	0.018072	5	0.015060241

BSU_34380	slrR	458	376	858	1234	279	779	1058	1.1662	0.349547	18	0.039301	20	0.043668122
BSU_38990	scoA	716	1322	734	2056	660	768	1428	1.4395	0.34959	20	0.027933	19	0.026536313
BSU_33430	cysl	1715	1885	2048	3933	1632	2350	3982	0.9877	0.3497	48	0.027988	52	0.0303207
BSU_tRNA_7	trnSL-Gl	70	34	0	34	8	0	8	3.8889	0.349838	1	0.014286	2	0.028571429
BSU_19280	yocN	233	264	271	535	390	245	635	0.8428	0.350192	14	0.060086	11	0.0472103
BSU_06900	cotJB	263	472	594	1066	544	364	908	1.1738	0.350239	16	0.060837	17	0.064638783
BSU_08010	yfjP	863	878	1939	2817	1135	1355	2490	1.1313	0.350507	33	0.038239	34	0.039397451
BSU_06610	pcrA	2219	21	11	32	91	0	91	0.3587	0.350623	3	0.001352	4	0.001802614
BSU_04960	conG	2447	12	0	12	4	2	6	1.8571	0.350842	4	0.001635	3	0.001225991
BSU_25565		149	82	82	164	49	66	115	1.4224	0.350874	5	0.033557	4	0.026845638
BSU_25090	yqfW	581	1105	1608	2713	543	1254	1797	1.5095	0.350944	32	0.055077	35	0.060240964
BSU_06033	ydzTc	107	910	329	1239	966	357	1323	0.9366	0.350963	11	0.102804	11	0.102803738
BSU_29400	ascR	926	515	750	1265	922	541	1463	0.8648	0.350993	30	0.032397	33	0.035637149
BSU_21910	metAA	905	2123	2557	4680	1549	2264	3813	1.2273	0.35106	62	0.068508	64	0.070718232
BSU_18750	yoaT	794	2420	4436	6856	2224	3031	5255	1.3046	0.351319	66	0.083123	78	0.098236776
BSU_09889	yhzD	185	89	65	154	66	150	216	0.7143	0.35143	6	0.032432	7	0.037837838
BSU_07530	yfmB	368	1057	789	1846	759	559	1318	1.4003	0.351574	17	0.046196	21	0.057065217
BSU_misc_R	surG	217	1380	743	2123	520	494	1014	2.0926	0.351727	17	0.078341	23	0.105990783
BSU_12530	xkdC	800	842	990	1832	449	304	753	2.431	0.351785	25	0.03125	26	0.0325
BSU_09940	yhaL	212	519	297	816	347	591	938	0.8701	0.351851	10	0.04717	11	0.051886792
BSU_14190	dapl	1124	210	4	214	60	15	75	2.8289	0.352027	3	0.002669	4	0.003558719
BSU_06620	ligA	2006	69	13	82	40	0	40	2.0244	0.352165	4	0.001994	3	0.001495513
BSU_03660	yclE	845	1183	1112	2295	929	1065	1994	1.1509	0.352235	31	0.036686	32	0.037869822
BSU_01450	ecfA	845	1141	1120	2261	1451	1765	3216	0.7031	0.352299	30	0.035503	33	0.039053254
BSU_20940	yopC	1328	2	27	29	2	27	29	1	0.352434	3	0.002259	4	0.003012048
BSU_15800	thiN	644	2124	983	3107	1565	2240	3805	0.8166	0.352448	41	0.063665	43	0.066770186
BSU_21110	yonF	1769	4	4	8	4	2	6	1.2857	0.352467	4	0.002261	3	0.001695873
BSU_08660	sspE	254	4	34	38	15	15	30	1.2581	0.352535	3	0.011811	2	0.007874016
BSU_misc_R	pyaA	116	26	0	26	49	4	53	0.5	0.352578	2	0.017241	3	0.025862069
BSU_07990	yfjR	860	588	725	1313	575	171	746	1.759	0.35264	15	0.017442	19	0.022093023
BSU_26399		116	70	95	165	17	138	155	1.0641	0.352692	6	0.051724	5	0.043103448

BSU_29890	ytnP	770	518	396	914	804	593	1397	0.6545	0.35283	20	0.025974	23	0.02987013
BSU_18230	ldeG	899	693	627	1320	494	567	1061	1.2439	0.35284	30	0.03337	29	0.032258065
BSU_18940	yobHm	347	2205	2565	4770	1544	2008	3552	1.3428	0.352894	23	0.066282	22	0.063400576
BSU_36580	ywnF	434	440	229	669	633	331	964	0.6943	0.352922	15	0.034562	15	0.034562212
BSU_27800	yrzH	290	173	844	1017	597	577	1174	0.8664	0.353122	16	0.055172	16	0.055172414
BSU_10760	yisL	356	756	710	1466	475	696	1171	1.2517	0.353188	16	0.044944	15	0.042134831
BSU_09240	glpW	662	538	441	979	495	284	779	1.2564	0.353466	18	0.02719	23	0.034743202
BSU_40830	yyaK	899	17020	15326	32346	16669	13318	29987	1.0787	0.353539	95	0.105673	98	0.109010011
BSU_37650	cysL	899	1433	1040	2473	1295	1024	2319	1.0664	0.353558	36	0.040044	38	0.042269188
BSU_28380	gerM	1100	700	818	1518	927	658	1585	0.9578	0.353576	28	0.025455	29	0.026363636
BSU_22660	trpC	749	169	143	312	120	339	459	0.6804	0.353612	11	0.014686	13	0.017356475
BSU_23690	yqjY	470	466	521	987	869	316	1185	0.8331	0.353824	23	0.048936	26	0.055319149
BSU_25120	yqfT	254	222	4	226	36	38	74	3.0267	0.353844	6	0.023622	8	0.031496063
BSU_00620	divIC	377	45	34	79	43	88	131	0.6061	0.35394	3	0.007958	2	0.00530504
BSU_09020	yhcB	530	1224	179	1403	522	891	1413	0.9929	0.354156	20	0.037736	22	0.041509434
BSU_16470	sigD	764	1402	846	2248	690	540	1230	1.827	0.354203	29	0.037958	31	0.040575916
BSU_03920	glcU	863	651	769	1420	631	940	1571	0.9039	0.354256	28	0.032445	32	0.037079954
BSU_39790	yxCE	650	2903	3686	6589	4072	3379	7451	0.8843	0.354428	59	0.090769	62	0.095384615
BSU_00610	spcQ	635	1936	944	2880	1076	1500	2576	1.118	0.354489	39	0.061417	38	0.05984252
BSU_40720	yyaT	446	5708	6248	11956	6065	5118	11183	1.0691	0.354827	48	0.107623	47	0.105381166
BSU_21740	ypmR	767	1289	1588	2877	802	497	1299	2.2138	0.354963	29	0.03781	29	0.037809648
BSU_04770	ydcH	443	865	464	1329	383	594	977	1.3599	0.355186	13	0.029345	17	0.038374718
BSU_05109	ydzN	185	6775	5376	12151	5719	5843	11562	1.0509	0.355212	41	0.221622	40	0.216216216
BSU_05440	cesA	902	3527	3584	7111	3912	3312	7224	0.9844	0.355437	74	0.08204	77	0.085365854
BSU_24820	yqgU	1061	813	947	1760	856	1543	2399	0.7338	0.35546	41	0.038643	43	0.040527804
BSU_10140	hemY	1412	38	109	147	19	33	52	2.7925	0.355469	10	0.007082	9	0.006373938
BSU_02620	phoD	1751	3026	2495	5521	3741	2979	6720	0.8216	0.355648	65	0.037122	65	0.037121645
BSU_39330	abnB	1409	14028	12424	26452	13655	12513	26168	1.0109	0.355674	98	0.069553	101	0.071682044
BSU_18530	yoaA	533	1528	1367	2895	1446	1726	3172	0.9127	0.355791	35	0.065666	36	0.067542214
BSU_09810	yhaZ	1073	1596	2260	3856	1826	1556	3382	1.1401	0.355894	50	0.046598	57	0.053122088
BSU_02960	yceJ	1172	937	1331	2268	990	1229	2219	1.0221	0.35633	37	0.03157	41	0.034982935

BSU_26690	brnQ	1322	2989	4338	7327	3566	3286	6852	1.0693	0.356337	91	0.068835	96	0.072617247
BSU_30070	opuD	1538	1708	1608	3316	1391	1648	3039	1.0911	0.356696	53	0.03446	60	0.039011704
BSU_27300	yrS	701	413	380	793	762	229	991	0.8004	0.356728	18	0.025678	21	0.029957204
BSU_22550	qcrB	674	459	376	835	564	220	784	1.065	0.356933	20	0.029674	24	0.035608309
BSU_16670	ribC	950	92	4	96	72	2	74	1.2933	0.356956	3	0.003158	4	0.004210526
BSU_23030	gmmB	1058	1372	2376	3748	1793	1154	2947	1.2717	0.35698	43	0.040643	41	0.038752363
BSU_00890	yacL	1100	2737	3191	5928	1536	1013	2549	2.3251	0.357158	52	0.047273	57	0.051818182
BSU_12815	spolISC	137	67	11	78	39	43	82	0.9518	0.357185	2	0.014599	3	0.02189781
BSU_00450	sspF	185	180	248	428	194	139	333	1.2844	0.357257	10	0.054054	9	0.048648649
BSU_28930	lytS	1781	1417	1297	2714	1912	1541	3453	0.786	0.357279	61	0.03425	62	0.034811903
BSU_13300	mgfE	1355	12	4	16	43	0	43	0.3864	0.357301	4	0.002952	3	0.002214022
BSU_33320	fhuD	947	1573	2757	4330	1319	2667	3986	1.0863	0.357384	38	0.040127	42	0.044350581
BSU_34780	yvcI	476	476	797	1273	258	591	849	1.4988	0.357811	23	0.048319	25	0.052521008
BSU_00660	prkT	1016	2995	3803	6798	3671	3828	7499	0.9065	0.357896	61	0.060039	65	0.063976378
BSU_26770	yrdB	371	1513	1956	3469	1647	1688	3335	1.0402	0.358521	55	0.148248	56	0.150943396
BSU_40730	yyaS	605	15412	17572	32984	13481	14080	27561	1.1968	0.358599	79	0.130579	80	0.132231405
BSU_06380	yebC	803	2533	1687	4220	1240	3018	4258	0.9911	0.358868	52	0.064757	52	0.064757161
BSU_17310	ymaG	275	138	530	668	503	581	1084	0.6166	0.358998	20	0.072727	18	0.065454545
BSU_35300	secA	2525	0	113	113	39	10	49	2.28	0.359025	3	0.001188	4	0.001584158
BSU_39220	wapI	428	143	160	303	80	145	225	1.3451	0.359175	4	0.009346	3	0.007009346
BSU_03720	gerKB	1121	3796	4271	8067	4972	3524	8496	0.9495	0.359639	74	0.066012	79	0.070472792
BSU_11740	cotZ	446	316	280	596	324	524	848	0.7032	0.359661	16	0.035874	18	0.040358744
BSU_30350	yttB	1193	1687	1340	3027	1724	1260	2984	1.0144	0.359868	43	0.036044	42	0.035205365
BSU_39670	ioU	872	1786	1169	2955	503	1426	1929	1.5316	0.359996	27	0.030963	30	0.03440367
BSU_01889	ybzH	302	611	459	1070	176	921	1097	0.9754	0.360079	20	0.066225	21	0.069536424
BSU_02310	ybfO	1340	7870	5361	13231	6049	5181	11230	1.1782	0.36075	74	0.055224	80	0.059701493
BSU_08630	mutY	1109	1044	1476	2520	1118	1262	2380	1.0588	0.360774	27	0.024346	32	0.028854824
BSU_18820	yobB	263	4814	5064	9878	3982	4624	8606	1.1478	0.36082	39	0.148289	42	0.159695817
BSU_00670	tilS	1418	81	13	94	92	2	94	1	0.360946	5	0.003526	4	0.002820874
BSU_14120	abbA	197	479	200	679	365	571	936	0.7257	0.361186	12	0.060914	13	0.065989848
BSU_14800	ylaJ	629	371	528	899	373	284	657	1.3678	0.361191	15	0.023847	19	0.030206677

BSU_15850	sdaAB	662	545	877	1422	297	630	927	1.5334	0.361205	21	0.031722	22	0.033232628
BSU_19450	rsbRC	848	1620	2078	3698	887	1392	2279	1.6224	0.361528	52	0.061321	51	0.060141509
BSU_13600	mtnX	707	516	1040	1556	513	737	1250	1.2446	0.361695	29	0.041018	36	0.050919378
BSU_08820	katA	1451	1212	1271	2483	1207	1699	2906	0.8545	0.361795	44	0.030324	45	0.031013094
BSU_14390	fruK	911	426	469	895	394	415	809	1.1062	0.361814	27	0.029638	29	0.03183315
BSU_13770	ykvO	746	2918	7593	10511	2707	1747	4454	2.3596	0.362194	67	0.089812	68	0.091152815
BSU_26100	yqbl	503	261	456	717	787	662	1449	0.4952	0.362363	20	0.039761	16	0.031809145
BSU_22460	bshA	1133	2	404	406	4	328	332	1.2222	0.362382	14	0.012357	16	0.014121801
BSU_08410	yfiV	482	629	588	1217	615	450	1065	1.1426	0.362531	20	0.041494	19	0.039419087
BSU_15340	ylmA	794	442	1885	2327	968	627	1595	1.4586	0.362584	22	0.027708	26	0.032745592
BSU_34100	rsbQ	809	1692	1650	3342	2092	2497	4589	0.7283	0.362612	34	0.042027	35	0.043263288
BSU_26150	yqbD	968	1190	1468	2658	1006	1287	2293	1.1591	0.362666	35	0.036157	36	0.037190083
BSU_26580	bltR	821	2548	2305	4853	1611	1927	3538	1.3716	0.362722	65	0.079172	71	0.086479903
BSU_24580	yqhH	1673	1921	1950	3871	1599	1871	3470	1.1155	0.362855	61	0.036461	60	0.035863718
BSU_11680	thiS	200	85	414	499	64	178	242	2.0576	0.363029	6	0.03	6	0.03
BSU_34830	yvzA	359	1474	1488	2962	1112	1591	2703	1.0958	0.363147	22	0.061281	26	0.072423398
BSU_17410	cwlC	767	1252	1615	2867	1412	1222	2634	1.0884	0.363232	38	0.049544	45	0.058670143
BSU_23170	spmB	536	430	722	1152	272	646	918	1.2546	0.363272	23	0.04291	27	0.050373134
BSU_37340	ywiB	428	0	2065	2065	4	4582	4586	0.4504	0.363291	19	0.044393	18	0.042056075
BSU_25720	yqeD	626	709	1457	2166	1118	1159	2277	0.9513	0.363614	33	0.052716	38	0.060702875
BSU_18070	plsY	581	19	170	189	6	51	57	3.2759	0.363865	5	0.008606	4	0.006884682
BSU_23730	yqjV	1232	1249	893	2142	999	788	1787	1.1985	0.363868	38	0.030844	43	0.034902597
BSU_09958	sscA	86	82	470	552	291	191	482	1.1449	0.363904	10	0.116279	10	0.11627907
BSU_12640	xkdJ	440	473	327	800	372	425	797	1.0038	0.363905	13	0.029545	15	0.034090909
BSU_38920	pepT	1232	4759	5330	10089	3910	4573	8483	1.1893	0.364098	58	0.047078	59	0.04788961
BSU_37320	narK	1187	1831	2010	3841	2067	2768	4835	0.7945	0.364298	57	0.04802	57	0.048020219
BSU_22810	yphF	734	915	733	1648	474	736	1210	1.3617	0.364368	33	0.044959	39	0.053133515
BSU_21940	degR	182	304	189	493	622	411	1033	0.4778	0.364584	10	0.054945	10	0.054945055
BSU_17650	yncE	461	3640	3214	6854	3385	3208	6593	1.0396	0.364628	56	0.121475	51	0.110629067
BSU_40060	gntK	1541	7673	9417	17090	6146	7410	13556	1.2607	0.364657	80	0.051914	88	0.057105775
BSU_19010	yobM	557	2913	2942	5855	2532	2606	5138	1.1395	0.364668	34	0.061041	30	0.053859964

BSU_25440	rsmE	770	565	782	1347	803	777	1580	0.8526	0.364672	24	0.031169	22	0.028571429
BSU_05899	ydhUn	125	622	778	1400	1398	595	1993	0.7026	0.364832	17	0.136	16	0.128
BSU_02230	purT	1154	2646	2821	5467	1430	2324	3754	1.4562	0.364896	42	0.036395	44	0.03812825
BSU_14940	ylbA	362	296	206	502	262	162	424	1.1835	0.36495	12	0.033149	15	0.041436464
BSU_09510	asiMA	1076	236	65	301	85	16	101	2.9608	0.365068	14	0.013011	17	0.015799257
BSU_39110	deaD	1439	3296	3142	6438	3267	3243	6510	0.9889	0.365084	64	0.044475	66	0.045865184
BSU_33280	yvrP	1193	2163	1127	3290	1375	1177	2552	1.2891	0.365734	39	0.032691	43	0.036043588
BSU_23780	yqiQ	779	760	800	1560	821	475	1296	1.2035	0.365826	32	0.041078	30	0.038510911
BSU_31470	kapD	617	1024	1338	2362	1250	808	2058	1.1476	0.365839	33	0.053485	31	0.050243112
BSU_24410	spolIAC	206	144	145	289	252	127	379	0.7632	0.366155	11	0.053398	12	0.058252427
BSU_11240	carB	3092	1597	1583	3180	1519	2151	3670	0.8665	0.366258	77	0.024903	80	0.025873221
BSU_26390	sigKc	416	676	652	1328	632	561	1193	1.1131	0.366373	15	0.036058	17	0.040865385
BSU_25950	yqcC	1100	4097	3321	7418	3283	3532	6815	1.0885	0.366375	86	0.078182	90	0.081818182
BSU_14080	ykuH	548	4184	6402	10586	2888	4659	7547	1.4026	0.366414	80	0.145985	83	0.151459854
BSU_09270	glpP	578	172	132	304	147	137	284	1.0702	0.366466	15	0.025952	14	0.024221453
BSU_03630	ubiX	614	1146	724	1870	708	634	1342	1.3931	0.366653	18	0.029316	19	0.030944625
BSU_16430	cheA	2018	1739	1948	3687	2014	1558	3572	1.0322	0.366728	69	0.034192	80	0.039643211
BSU_18595		119	273	309	582	256	291	547	1.0639	0.366809	12	0.10084	11	0.092436975
BSU_34790	trxB	950	2	97	99	394	26	420	0.2375	0.366881	4	0.004211	5	0.005263158
BSU_34350	epsC	1796	1522	1969	3491	1414	1807	3221	1.0838	0.367029	58	0.032294	64	0.035634744
BSU_36160	ywqM	881	1065	1234	2299	1294	1456	2750	0.8361	0.367218	40	0.045403	40	0.045402951
BSU_24040	bkdAB	983	514	815	1329	831	690	1521	0.8739	0.367332	23	0.023398	25	0.02543235
BSU_04130	yczJ	287	319	307	626	361	381	742	0.8439	0.367375	12	0.041812	13	0.045296167
BSU_03760	yclIK	1421	2494	2513	5007	1336	1745	3081	1.6249	0.367664	64	0.045039	71	0.049964814
BSU_11820	yjcD	2279	3594	4174	7768	4269	4341	8610	0.9022	0.367731	87	0.038175	90	0.039491005
BSU_17980	sspP	146	646	498	1144	726	493	1219	0.9385	0.367844	17	0.116438	14	0.095890411
BSU_02040	ybdN	857	3326	3863	7189	2672	3218	5890	1.2205	0.368089	74	0.086348	74	0.086347725
BSU_27469	yrzR	191	710	748	1458	1025	674	1699	0.8582	0.368309	9	0.04712	10	0.052356021
BSU_36360	mscL	392	494	1358	1852	521	738	1259	1.4706	0.368412	21	0.053571	21	0.053571429
BSU_03590	tcyC	743	364	329	693	205	181	386	1.7933	0.368578	15	0.020188	15	0.020188425
BSU_23020	recS	1490	1608	1224	2832	1232	1615	2847	0.9947	0.368728	49	0.032886	55	0.036912752

BSU_07750	yflA	1415	2062	3121	5183	2390	3010	5400	0.9598	0.368739	69	0.048763	74	0.05229682
BSU_33120	liaH	677	1078	612	1690	899	738	1637	1.0324	0.368985	27	0.039882	25	0.036927622
BSU_39040	yxiS	290	148	311	459	75	180	255	1.7969	0.369322	6	0.02069	5	0.017241379
BSU_09120	dgcK	1079	1690	1623	3313	1494	3559	5053	0.6557	0.36947	66	0.061168	67	0.062094532
BSU_38600	licR	1925	2303	2344	4647	2772	2690	5462	0.8508	0.369473	70	0.036364	71	0.036883117
BSU_10680	gerPE	401	912	739	1651	1070	1684	2754	0.5996	0.369583	19	0.047382	19	0.047381546
BSU_33640	yvaM	770	1339	1067	2406	1185	1090	2275	1.0576	0.369604	38	0.049351	38	0.049350649
BSU_16070	ylqG	1730	1403	768	2171	882	1182	2064	1.0518	0.369711	43	0.024855	46	0.026589595
BSU_06820	yeeG	1022	7784	11220	19004	7685	9197	16882	1.1257	0.369774	104	0.101761	109	0.10665362
BSU_38330	cidB	677	1282	866	2148	1567	1496	3063	0.7014	0.370019	33	0.048744	33	0.048744461
BSU_12030	yjdF	482	629	925	1554	394	568	962	1.6147	0.37034	23	0.047718	25	0.05186722
BSU_03830	pbtQ	953	2135	2058	4193	1435	1232	2667	1.572	0.37061	52	0.054565	57	0.059811123
BSU_29670	tyrS	1268	61	56	117	36	111	147	0.7973	0.370676	5	0.003943	4	0.003154574
BSU_30920	cotI	1073	768	826	1594	881	1205	2086	0.7643	0.370701	39	0.036347	41	0.038210624
BSU_30930	ytaB	467	454	794	1248	845	805	1650	0.7565	0.370707	21	0.044968	21	0.04496788
BSU_13290	yzkD	137	76	229	305	125	237	362	0.843	0.370828	6	0.043796	8	0.058394161
BSU_misc_R	tswC	101	21	129	150	2044	12	2056	0.0734	0.370917	4	0.039604	5	0.04950495
BSU_31310	yugP	677	783	909	1692	1121	356	1477	1.1455	0.370987	26	0.038405	30	0.044313146
BSU_11430	oppA	1637	2778	2909	5687	2494	2573	5067	1.1223	0.371087	84	0.051313	91	0.055589493
BSU_26510	yrkH	1133	2576	2682	5258	3301	2051	5352	0.9824	0.371384	70	0.061783	77	0.067961165
BSU_21760	ypmP	251	509	380	889	331	342	673	1.3205	0.371416	15	0.059761	16	0.06374502
BSU_31840	bznD	731	621	837	1458	609	1098	1707	0.8542	0.37149	27	0.036936	31	0.042407661
BSU_38340	ywbF	1199	1525	2501	4026	1407	2341	3748	1.0742	0.371534	56	0.046706	54	0.045037531
BSU_12060	trnE	479	1347	1389	2736	843	1376	2219	1.2329	0.371579	26	0.05428	30	0.06263048
BSU_38700	sigY	536	2042	780	2822	1291	1459	2750	1.0262	0.372043	26	0.048507	27	0.050373134
BSU_23402	spoVAEI	350	312	462	774	227	337	564	1.3717	0.372347	14	0.04	13	0.037142857
BSU_32930	yusU	287	1865	523	2388	243	423	666	3.5817	0.372379	13	0.045296	16	0.055749129
BSU_09000	yhbJ	665	1029	1009	2038	945	1222	2167	0.9405	0.37245	36	0.054135	33	0.04962406
BSU_22340	nth	659	397	507	904	304	335	639	1.4141	0.372553	18	0.027314	23	0.034901366
BSU_38229	slrA	158	356	334	690	286	237	523	1.3187	0.372735	6	0.037975	7	0.044303797
BSU_14550	ykrA	773	1077	729	1806	1919	766	2685	0.6727	0.372816	23	0.029754	23	0.029754204

BSU_04520	ydbM	1145	856	767	1623	882	412	1294	1.2541	0.372957	29	0.025328	29	0.025327511
BSU_18275		173	189	197	386	71	155	226	1.7048	0.373	10	0.057803	10	0.057803468
BSU_23837	rpmGCr	32	120	82	202	94	91	185	1.0914	0.373064	5	0.15625	5	0.15625
BSU_31250	tlpA	1988	2008	1763	3771	1467	1920	3387	1.1133	0.373087	60	0.030181	57	0.028672032
BSU_03450	hxlB	557	1878	1775	3653	1643	1506	3149	1.16	0.373336	28	0.050269	33	0.059245961
BSU_37170	acdA	1139	1400	1639	3039	1192	1792	2984	1.0184	0.373458	37	0.032485	40	0.035118525
BSU_30510	ytpA	779	677	792	1469	954	504	1458	1.0075	0.37349	25	0.032092	27	0.03465982
BSU_29510	ytfI	680	849	903	1752	1207	990	2197	0.7975	0.373565	32	0.047059	34	0.05
BSU_25710	cwlH	752	505	701	1206	744	934	1678	0.7189	0.373613	26	0.034574	29	0.03856383
BSU_29980	ytjP	1391	1109	1206	2315	3047	928	3975	0.5825	0.373775	34	0.024443	36	0.025880661
BSU_32820	fadE	1784	2767	1736	4503	2719	2182	4901	0.9188	0.373866	71	0.039798	68	0.038116592
BSU_03520	srfAD	728	145	182	327	38	515	553	0.5921	0.374025	7	0.009615	6	0.008241758
BSU_11580	yjbK	572	1740	526	2266	937	609	1546	1.4654	0.374064	24	0.041958	27	0.047202797
BSU_12260	yjiA	974	1385	1126	2511	1415	1375	2790	0.9	0.374159	43	0.044148	41	0.042094456
BSU_35290	prfB	1101	19	154	173	51	75	126	1.3701	0.374388	4	0.003633	5	0.004541326
BSU_35310	hpf	569	1336	1372	2708	1426	1189	2615	1.0356	0.374503	33	0.057996	35	0.061511424
BSU_30500	tbcS	1103	829	662	1491	537	648	1185	1.258	0.374561	31	0.028105	37	0.033544878
BSU_13310	tnrA	332	124	304	428	385	143	528	0.811	0.374628	8	0.024096	9	0.027108434
BSU_05099	ydzM	176	2280	2637	4917	4129	2314	6443	0.7632	0.374684	11	0.0625	12	0.068181818
BSU_29950	ytIQ	914	1674	1605	3279	1611	1520	3131	1.0473	0.374813	46	0.050328	50	0.054704595
BSU_38018	ywzG	338	618	374	992	767	313	1080	0.9186	0.374842	17	0.050296	19	0.056213018
BSU_08760	spo0M	776	1311	604	1915	1439	465	1904	1.0058	0.374905	31	0.039948	34	0.043814433
BSU_40630	ictI	788	33124	27858	60982	35763	28882	64645	0.9433	0.374924	104	0.13198	105	0.133248731
BSU_13150	ohrR	443	1799	822	2621	809	479	1288	2.0341	0.374948	22	0.049661	23	0.051918736
BSU_28260	leuC	1418	1260	822	2082	1577	1161	2738	0.7605	0.375124	38	0.026798	40	0.028208745
BSU_02300	ybfN	278	446	588	1034	231	400	631	1.6377	0.375352	10	0.035971	9	0.032374101
BSU_09410	phoA	1385	2483	1425	3908	1798	1242	3040	1.2854	0.375384	43	0.031047	42	0.03032491
BSU_25540	gpr	1106	531	849	1380	907	584	1491	0.9256	0.375453	30	0.027125	33	0.029837251
BSU_17390	nrdF	989	91	71	162	102	28	130	1.2443	0.375628	4	0.004044	5	0.005055612
BSU_26710	azlC	764	2224	1904	4128	1996	1477	3473	1.1885	0.37583	56	0.073298	66	0.086387435
BSU_02400	ybgF	1412	3167	2148	5315	2395	2437	4832	1.0999	0.376419	53	0.037535	61	0.043201133

BSU_37490	speB	872	845	521	1366	173	197	370	3.6846	0.376443	20	0.022936	23	0.026376147
BSU_14470	mreBH	1007	925	1204	2129	732	947	1679	1.2679	0.376743	31	0.030785	37	0.0367428
BSU_21830	ypjQ	533	327	634	961	463	188	651	1.4755	0.376821	16	0.030019	20	0.037523452
BSU_36960	ywlB	443	320	195	515	135	216	351	1.4659	0.376886	8	0.018059	7	0.015801354
BSU_39560	yxG	557	3179	3743	6922	3619	2730	6349	1.0902	0.377028	47	0.084381	51	0.091561939
BSU_30660	ytkA	437	860	264	1124	422	515	937	1.1994	0.377118	16	0.036613	20	0.04576659
BSU_30430	ytrD	977	1907	2011	3918	2234	1490	3724	1.0521	0.377128	62	0.06346	69	0.07062436
BSU_24400	spolIAD	401	459	309	768	387	868	1255	0.6123	0.377481	19	0.047382	21	0.052369077
BSU_37910	spsA	770	2208	1161	3369	1728	1265	2993	1.1256	0.377502	41	0.053247	40	0.051948052
BSU_39139	yxzJ	131	503	827	1330	624	1052	1676	0.7937	0.377671	17	0.129771	17	0.129770992
BSU_22020	yphS	257	293	734	1027	284	707	991	1.0363	0.377673	18	0.070039	21	0.081712062
BSU_40579	yyzL	149	12719	16623	29342	13566	18231	31797	0.9228	0.377849	18	0.120805	19	0.127516779
BSU_32130	guaC	980	970	776	1746	453	1201	1654	1.0556	0.377851	31	0.031633	34	0.034693878
BSU_26450	yrrN	557	1692	1914	3606	2743	1752	4495	0.8023	0.377861	34	0.061041	35	0.062836625
BSU_38280	efeU	1445	2084	1900	3984	2005	2251	4256	0.9361	0.377919	43	0.029758	49	0.033910035
BSU_32470	pucE	521	451	497	948	319	358	677	1.3997	0.377937	14	0.026871	13	0.024952015
BSU_39530	yxJ	227	692	861	1553	553	727	1280	1.2131	0.378147	18	0.079295	18	0.079295154
BSU_16720	ymxH	257	747	478	1225	542	507	1049	1.1676	0.378191	17	0.066148	13	0.050583658
BSU_24360	spolIAH	656	1062	641	1703	987	689	1676	1.0161	0.378237	22	0.033537	25	0.038109756
BSU_07890	yfkI	320	40	13	53	26	13	39	1.35	0.378442	2	0.00625	3	0.009375
BSU_13790	ykvQ	698	1560	1087	2647	1351	1234	2585	1.024	0.378601	51	0.073066	57	0.081661891
BSU_23930	yqjC	422	91	166	257	167	122	289	0.8897	0.379015	5	0.011848	6	0.014218009
BSU_01990	ybdG	977	3192	3427	6619	3648	3215	6863	0.9645	0.379172	87	0.089048	83	0.084953941
BSU_27200	yrrH	800	640	276	916	878	490	1368	0.6698	0.379196	23	0.02875	25	0.03125
BSU_27240	yrrC	230	459	684	1143	367	596	963	1.1867	0.379627	14	0.06087	13	0.056521739
BSU_33560	yvaD	401	601	699	1300	796	359	1155	1.1254	0.379695	13	0.032419	15	0.037406484
BSU_11230	carA	1061	2011	2000	4011	1494	1928	3422	1.1721	0.380271	39	0.036758	43	0.040527804
BSU_35570	tuaE	1466	5707	5628	11335	4956	7334	12290	0.9223	0.380371	103	0.070259	110	0.075034106
BSU_36980	ywlA	362	506	852	1358	829	1155	1984	0.6846	0.380373	29	0.08011	29	0.080110497
BSU_40590	yphM	755	62803	63703	126506	56792	69092	125884	1.0049	0.380424	174	0.230464	178	0.235761589
BSU_25190	cccA	362	211	89	300	236	77	313	0.9586	0.380468	8	0.022099	7	0.019337017

BSU_36320	ywpG	383	1953	1541	3494	1554	1615	3169	1.1025	0.380547	23	0.060052	24	0.062663185
BSU_09850	khtU	1217	1756	1515	3271	1437	717	2154	1.5183	0.380588	32	0.026294	32	0.026294166
BSU_07070	yesY	653	1608	1165	2773	1434	1166	2600	1.0665	0.3806	35	0.053599	32	0.049004594
BSU_20960	yopA	1316	6	6	12	4	6	10	1.1818	0.380824	6	0.004559	5	0.003799392
BSU_10360	yhfT	1439	1616	1968	3584	1676	1568	3244	1.1048	0.380857	48	0.033356	55	0.038220987
BSU_18520	yoxB	770	1531	1402	2933	1502	1122	2624	1.1177	0.380925	37	0.048052	46	0.05974026
BSU_23460	spollAB	440	684	141	825	217	460	677	1.2183	0.38104	16	0.036364	14	0.031818182
BSU_09370	lytF	1466	1685	2107	3792	1687	2419	4106	0.9235	0.381126	60	0.040928	63	0.042974079
BSU_28280	leuA	1556	882	1663	2545	1276	1240	2516	1.0115	0.381168	49	0.031491	47	0.030205656
BSU_07590	citT	680	1118	470	1588	704	489	1193	1.3308	0.381221	19	0.027941	22	0.032352941
BSU_02370	gamR	707	2180	2429	4609	2331	2352	4683	0.9842	0.381452	44	0.062235	48	0.067892504
BSU_18470	proJ	1115	1862	1817	3679	1497	1502	2999	1.2267	0.381566	57	0.051121	61	0.05470852
BSU_08940	yhbD	716	502	707	1209	260	557	817	1.4792	0.382031	23	0.032123	29	0.040502793
BSU_11400	appC	911	850	732	1582	736	602	1338	1.1822	0.382037	31	0.034029	28	0.030735456
BSU_35200	yvkB	569	555	1151	1706	409	493	902	1.8904	0.382056	20	0.035149	21	0.036906854
BSU_36230	uglF	1322	2173	1934	4107	846	596	1442	2.8468	0.382097	36	0.027231	44	0.033282905
BSU_06420	purE	488	187	193	380	204	314	518	0.7341	0.382202	9	0.018443	7	0.014344262
BSU_09030	yhcC	374	604	478	1082	116	373	489	2.2102	0.382245	13	0.034759	16	0.042780749
BSU_11525		122	95	27	122	159	8	167	0.7321	0.382254	5	0.040984	4	0.032786885
BSU_03700	gerKA	1634	2850	4455	7305	2579	2601	5180	1.4102	0.382808	62	0.037944	64	0.039167687
BSU_35860	pgdS	1241	4633	3106	7739	4568	2569	7137	1.0843	0.382809	66	0.053183	69	0.055600322
BSU_13820	ykvT	626	1429	689	2118	708	1161	1869	1.1332	0.382864	29	0.046326	28	0.044728435
BSU_40578	yyzK	146	6155	4715	10870	7534	4324	11858	0.9167	0.382911	17	0.116438	18	0.123287671
BSU_13380	ykoS	1694	3768	2774	6542	3238	2540	5778	1.1322	0.383047	92	0.054309	94	0.055489965
BSU_04180	ydaC	545	595	600	1195	559	789	1348	0.8866	0.383205	21	0.038532	24	0.044036697
BSU_38170	qoxA	965	373	249	622	92	170	262	2.3688	0.383216	27	0.027979	28	0.029015544
BSU_36710	fdhD	788	1602	2104	3706	1881	1624	3505	1.0573	0.383432	36	0.045685	39	0.049492386
BSU_11940	yjcP	503	2559	1662	4221	1710	1898	3608	1.1699	0.383577	44	0.087475	51	0.10139165
BSU_12020	manA	947	811	881	1692	980	627	1607	1.0529	0.383646	46	0.048574	44	0.046462513
BSU_11870	metI	1121	1559	1136	2695	1597	1242	2839	0.9493	0.383907	39	0.03479	43	0.038358608
BSU_09320	yhcY	1139	441	845	1286	522	1045	1567	0.8208	0.383951	25	0.021949	26	0.022827041

BSU_29850	ytoQ	446	389	337	726	200	495	695	1.0445	0.384014	12	0.026906	14	0.031390135
BSU_32440	pucK	1292	977	937	1914	859	999	1858	1.0301	0.384027	27	0.020898	30	0.023219814
BSU_17900	pcfA	446	1528	1667	3195	1660	1414	3074	1.0393	0.384344	36	0.080717	35	0.078475336
BSU_14140	ccpC	881	1471	1149	2620	497	1034	1531	1.7108	0.384383	35	0.039728	36	0.040862656
BSU_28460	yslB	446	396	76	472	93	46	139	3.3786	0.384393	11	0.024664	12	0.02690583
BSU_10580	yhjO	1205	1846	1620	3466	1505	1515	3020	1.1476	0.384438	46	0.038174	53	0.043983402
BSU_05590	ydgD	344	728	1147	1875	829	814	1643	1.1411	0.384479	20	0.05814	19	0.055232558
BSU_27010	adhA	1049	1501	1446	2947	1127	1115	2242	1.3143	0.384633	41	0.039085	46	0.043851287
BSU_30739	ytzL	158	90	272	362	355	370	725	0.5	0.384883	9	0.056962	10	0.063291139
BSU_17130	acpK	248	165	241	406	384	138	522	0.7782	0.385061	12	0.048387	12	0.048387097
BSU_04230	amj	809	1377	1124	2501	1470	1108	2578	0.9701	0.385091	34	0.042027	39	0.048207664
BSU_07240	yetN	1070	1072	511	1583	1293	688	1981	0.7992	0.385102	21	0.019626	24	0.022429907
BSU_31740	pdeH	1229	4148	4864	9012	3719	3765	7484	1.2041	0.385209	92	0.074858	96	0.078112286
BSU_25900	cwlA	818	2314	2423	4737	1997	1441	3438	1.3777	0.38559	56	0.06846	62	0.075794621
BSU_35960	rbsB	917	545	386	931	689	508	1197	0.778	0.385738	20	0.02181	22	0.023991276
BSU_26780	yrdA	503	1908	1265	3173	1566	1122	2688	1.1804	0.385936	41	0.081511	44	0.087475149
BSU_40760	yyaP	566	13717	14263	27980	13447	12501	25948	1.0783	0.386038	87	0.15371	82	0.144876325
BSU_23616	mciZ	122	84	116	200	197	17	214	0.9349	0.386057	5	0.040984	4	0.032786885
BSU_29290	sndA	1250	1124	1530	2654	1325	915	2240	1.1847	0.386257	40	0.032	39	0.0312
BSU_17150	pksg	1262	1539	5275	6814	1581	1228	2809	2.4253	0.386275	41	0.032488	46	0.036450079
BSU_39350	hutH	1526	3344	3055	6399	2458	3482	5940	1.0773	0.386509	62	0.040629	68	0.044560944
BSU_39170	yxzG	452	1544	1861	3405	1918	1636	3554	0.9581	0.386558	33	0.073009	33	0.07300885
BSU_38580	licC	1358	1041	720	1761	1105	1129	2234	0.7884	0.386662	34	0.025037	36	0.026509573
BSU_39710	iolF	1316	6083	6266	12349	7112	5145	12257	1.0075	0.386694	82	0.06231	91	0.069148936
BSU_02110	ybyB	260	244	551	795	488	865	1353	0.5879	0.386891	15	0.057692	14	0.053846154
BSU_19410	cwlS	1244	2541	2157	4698	2216	1960	4176	1.125	0.386929	57	0.04582	64	0.051446945
BSU_06830	rapH	1130	4670	4659	9329	3467	3092	6559	1.4223	0.38695	79	0.069912	85	0.075221239
BSU_22000	sspL	128	297	300	597	188	250	438	1.3622	0.387132	6	0.046875	5	0.0390625
BSU_27460	glnP	656	261	1068	1329	660	328	988	1.3448	0.387303	21	0.032012	21	0.032012195
BSU_26260	sknM	941	2122	2653	4775	2968	2832	5800	0.8233	0.387352	60	0.063762	62	0.065887354
BSU_27260	mccA	923	1134	757	1891	813	876	1689	1.1195	0.387398	30	0.032503	28	0.030335861

BSU_misc_R ssrSB	200	2	376	378	28	137	165	2.2831	0.387409	7	0.035	9	0.045
BSU_08620 yfhP	983	2595	2295	4890	1943	1222	3165	1.5449	0.387467	47	0.047813	54	0.054933876
BSU_13700 clpE	2099	1316	1094	2410	1129	932	2061	1.1693	0.387591	43	0.020486	43	0.020485946
BSU_25800 yqcK	440	872	679	1551	746	673	1419	1.093	0.387736	27	0.061364	25	0.056818182
BSU_26940 yraH	386	468	459	927	339	218	557	1.6631	0.38806	19	0.049223	19	0.049222798
BSU_39980 qdof	1013	4739	4708	9447	3871	4937	8808	1.0725	0.388155	70	0.069102	67	0.066140178
BSU_29320 cmof	281	149	128	277	73	252	325	0.8528	0.388193	7	0.024911	7	0.024911032
BSU_34700 psdA	779	731	879	1610	802	414	1216	1.3237	0.388241	22	0.028241	26	0.033376123
BSU_10660 hlpB	302	359	475	834	274	670	944	0.8836	0.388319	11	0.036424	11	0.036423841
BSU_09440 citA	1100	1358	1535	2893	1368	1331	2699	1.0719	0.388345	46	0.041818	48	0.043636364
BSU_16299 swrD	215	226	262	488	139	320	459	1.063	0.388802	10	0.046512	12	0.055813953
BSU_12600 xkdF	827	604	725	1329	261	515	776	1.7117	0.388824	19	0.022975	21	0.025392987
BSU_22500 ypjD	335	8	286	294	0	123	123	2.379	0.388849	5	0.014925	6	0.017910448
BSU_15400 ylmG	272	472	576	1048	337	226	563	1.8599	0.388855	17	0.0625	21	0.077205882
BSU_02380 ybgB	275	198	292	490	162	299	461	1.0628	0.388941	9	0.032727	11	0.04
BSU_12380 uxaB	1442	1602	1651	3253	1032	1105	2137	1.522	0.388978	49	0.033981	51	0.035367545
BSU_09360 yhdC	323	351	780	1131	350	640	990	1.1423	0.389068	16	0.049536	16	0.049535604
BSU_38310 cidR	905	1413	1652	3065	1600	1578	3178	0.9645	0.38909	38	0.041989	41	0.045303867
BSU_04370 ydaS	257	235	528	763	445	226	671	1.1369	0.389157	11	0.042802	12	0.046692607
BSU_00930 cysE	653	520	0	520	884	4	888	0.5861	0.389206	15	0.022971	16	0.024502297
BSU_33060 gerAB	1097	1440	1740	3180	1742	1234	2976	1.0685	0.389322	57	0.05196	64	0.05834093
BSU_27590 dtd	398	364	753	1117	963	496	1459	0.7658	0.389369	18	0.045226	20	0.050251256
BSU_05550 cotP	431	651	854	1505	580	702	1282	1.1738	0.389434	24	0.055684	25	0.05800464
BSU_11200 argJ	1220	761	1426	2187	1303	1696	2999	0.7293	0.389612	36	0.029508	36	0.029508197
BSU_40740 yyaR	521	17216	13949	31165	14556	11193	25749	1.2103	0.389722	73	0.140115	74	0.142034549
BSU_03385	197	719	561	1280	775	698	1473	0.8691	0.389879	12	0.060914	12	0.060913706
BSU_26300 yqaI	194	263	543	806	519	379	898	0.8977	0.3899	11	0.056701	13	0.067010309
BSU_26020 yqbP	659	1544	1422	2966	1243	1013	2256	1.3146	0.389971	36	0.054628	37	0.056145675
BSU_37370 albA	1346	4463	3638	8101	3088	3407	6495	1.2472	0.390115	78	0.057949	77	0.057206538
BSU_07400 copO	1190	2315	2630	4945	2780	2486	5266	0.9391	0.390153	51	0.042857	52	0.043697479
BSU_04010 sipU	563	1009	843	1852	626	1639	2265	0.8177	0.390208	30	0.053286	29	0.051509769

BSU_26305		173	239	107	346	57	127	184	1.8757	0.390466	7	0.040462	9	0.052023121
BSU_01000	secE	179	2	150	152	182	0	182	0.8361	0.390615	5	0.027933	4	0.022346369
BSU_32580	frlM	902	802	889	1691	1529	1359	2888	0.5857	0.390926	33	0.036585	32	0.035476718
BSU_38380	ywbB	677	3870	2601	6471	2666	1976	4642	1.3939	0.391101	49	0.072378	54	0.079763663
BSU_09590	yhdT	1385	912	1020	1932	1073	782	1855	1.0415	0.391254	40	0.028881	38	0.027436823
BSU_09830	yhaX	866	1579	1349	2928	858	668	1526	1.9181	0.391615	30	0.034642	34	0.03926097
BSU_16190	flgC	452	651	695	1346	642	494	1136	1.1847	0.391752	26	0.057522	28	0.061946903
BSU_20060	nrdEB	3506	8	6	14	10	4	14	1	0.391776	6	0.001711	7	0.001996577
BSU_40130	yydK	710	19956	19410	39366	16628	22243	38871	1.0127	0.391836	75	0.105634	75	0.105633803
BSU_31020	nfeDB	524	1844	1052	2896	1532	1444	2976	0.9731	0.391872	39	0.074427	41	0.078244275
BSU_32340	lytH	980	1669	1965	3634	1538	1820	3358	1.0822	0.391922	39	0.039796	40	0.040816327
BSU_25780	arsC	419	1167	1252	2419	877	1389	2266	1.0675	0.392178	32	0.076372	32	0.076372315
BSU_07930	yfkD	794	744	668	1412	407	441	848	1.6643	0.392373	19	0.023929	20	0.025188917
BSU_03540	ycxB	557	1709	1803	3512	2234	1637	3871	0.9073	0.392462	40	0.071813	41	0.073608618
BSU_35910	rbsR	980	2827	2123	4950	1528	2237	3765	1.3147	0.392476	44	0.044898	45	0.045918367
BSU_35460	comFB	296	1507	1606	3113	1559	1249	2808	1.1086	0.392888	28	0.094595	28	0.094594595
BSU_08560	yfhJ	269	433	1614	2047	596	1519	2115	0.9679	0.392893	16	0.05948	17	0.063197026
BSU_40190	fbp	1925	50705	46745	97450	45452	46589	92041	1.0588	0.392899	191	0.099221	192	0.09974026
BSU_11000	yitI	449	1057	526	1583	464	467	931	1.6996	0.392967	14	0.03118	15	0.033407572
BSU_34280	epsI	1034	2152	2100	4252	1946	2750	4696	0.9055	0.393083	47	0.045455	52	0.050290135
BSU_15070	yIbN	518	145	63	208	88	87	175	1.1875	0.393084	7	0.013514	8	0.015444015
BSU_11290	yjaV	557	583	569	1152	640	667	1307	0.8815	0.393147	23	0.041293	20	0.035906643
BSU_16280	flgD	422	746	381	1127	473	350	823	1.3689	0.393161	18	0.042654	20	0.047393365
BSU_37600	ywfO	1301	2655	1791	4446	1482	1444	2926	1.5193	0.393196	43	0.033051	51	0.039200615
BSU_40150	liaL	629	28412	30842	59254	28661	28235	56896	1.0414	0.393207	111	0.176471	112	0.178060413
BSU_40640	yybH	389	5573	9385	14958	4947	9859	14806	1.0103	0.393214	31	0.079692	31	0.079691517
BSU_26230	yqaP	929	3478	3553	7031	2226	3888	6114	1.15	0.393338	94	0.101184	101	0.108719053
BSU_12240	yjkA	752	617	430	1047	390	298	688	1.521	0.393482	16	0.021277	18	0.02393617
BSU_10130	hemH	932	107	13	120	8	16	24	4.84	0.393775	4	0.004292	5	0.005364807
BSU_27980	spoIVFA	794	1359	1132	2491	1023	1504	2527	0.9858	0.393892	30	0.037783	31	0.039042821
BSU_13000	ykfD	989	487	578	1065	410	637	1047	1.0172	0.393904	18	0.0182	21	0.021233569

BSU_17290	ebrB	353	95	112	207	81	180	261	0.7939	0.394048	9	0.025496	10	0.028328612
BSU_03900	gabT	1310	1063	1087	2150	1012	1178	2190	0.9817	0.394086	37	0.028244	42	0.032061069
BSU_13545		125	120	13	133	109	26	135	0.9853	0.394411	3	0.024	2	0.016
BSU_10100	hmoB	500	998	899	1897	800	1164	1964	0.9659	0.394433	21	0.042	21	0.042
BSU_09180	yhcQ	653	719	1077	1796	703	670	1373	1.3079	0.394638	20	0.030628	20	0.030627871
BSU_29570	sspA	209	115	333	448	79	73	152	2.9346	0.394753	5	0.023923	7	0.033492823
BSU_01590	ybaS	920	823	1055	1878	1280	1021	2301	0.8162	0.394831	39	0.042391	39	0.042391304
BSU_38090	vpr	2420	2980	2930	5910	2652	3317	5969	0.9901	0.394858	89	0.036777	95	0.039256198
BSU_18150	xynC	1268	1847	3149	4996	2440	2225	4665	1.0709	0.394904	72	0.056782	74	0.058359621
BSU_32530	pucF	1238	1368	2320	3688	2093	1266	3359	1.0979	0.39493	35	0.028271	35	0.028271405
BSU_06390	yebD	167	122	122	244	115	297	412	0.5932	0.394994	7	0.041916	8	0.047904192
BSU_07440	yfmK	446	1805	1560	3365	1097	1551	2648	1.2707	0.395018	32	0.071749	30	0.067264574
BSU_10260	yhfK	644	484	315	799	96	263	359	2.2222	0.395026	13	0.020186	17	0.026397516
BSU_29430	ytzD	236	491	165	656	301	477	778	0.8434	0.395049	14	0.059322	17	0.072033898
BSU_19700	kamB	827	1244	1486	2730	860	1400	2260	1.2079	0.395074	41	0.049577	45	0.054413543
BSU_31850	yueC	455	1081	401	1482	693	615	1308	1.1329	0.395186	15	0.032967	17	0.037362637
BSU_21880	ypgR	1133	1095	1283	2378	1099	738	1837	1.2943	0.395232	36	0.031774	36	0.031774051
BSU_29249	ytzJ	191	57	51	108	38	154	192	0.5648	0.395277	4	0.020942	5	0.02617801
BSU_02600	cwU	428	912	1071	1983	708	692	1400	1.4161	0.395541	18	0.042056	18	0.042056075
BSU_17266	ymzEn	56	300	336	636	263	394	657	0.9681	0.395543	6	0.107143	6	0.107142857
BSU_36630	ywnA	401	168	252	420	359	207	566	0.7425	0.39556	10	0.024938	10	0.024937656
BSU_18510	yoxC	305	819	543	1362	664	1022	1686	0.8079	0.395593	22	0.072131	20	0.06557377
BSU_39860	aldX	1337	3291	4074	7365	3246	4152	7398	0.9955	0.395917	54	0.040389	66	0.049364248
BSU_05620	ydgF	1376	3992	4157	8149	4767	3529	8296	0.9823	0.395949	92	0.06686	92	0.066860465
BSU_39250	yxiE	446	1076	1648	2724	809	1611	2420	1.1256	0.396199	23	0.05157	22	0.049327354
BSU_40490	yycA	2057	9612	11231	20843	8467	9175	17642	1.1814	0.396403	129	0.062713	130	0.063198833
BSU_39460	yxeQ	1337	3171	3935	7106	4258	2935	7193	0.9879	0.396407	58	0.043381	61	0.045624533
BSU_39440	yxxB	827	1658	2584	4242	1564	1308	2872	1.4769	0.396424	38	0.045949	46	0.055622733
BSU_37280	narG	3686	4162	4131	8293	3950	3688	7638	1.0857	0.396536	109	0.029571	116	0.031470429
BSU_12340	uxuA	1079	768	889	1657	831	904	1735	0.9551	0.396539	29	0.026877	30	0.027803522
BSU_01670	amiE	1325	2008	2241	4249	2890	2167	5057	0.8403	0.396676	55	0.041509	58	0.043773585

BSU_34050	lutA	716	1353	884	2237	1169	1162	2331	0.9597	0.396683	25	0.034916	22	0.030726257
BSU_30480	ytqA	968	1074	808	1882	1215	866	2081	0.9044	0.396739	25	0.025826	24	0.024793388
BSU_14600	pdhC	1328	83	8	91	6	59	65	1.3939	0.396795	9	0.006777	8	0.006024096
BSU_34910	hisD	1283	4717	2866	7583	3635	3716	7351	1.0316	0.397201	48	0.037412	46	0.035853468
BSU_34680	yvcT	977	2275	1327	3602	1247	1841	3088	1.1664	0.397672	42	0.042989	44	0.045035824
BSU_27185		158	111	52	163	297	119	416	0.3933	0.397716	4	0.025316	4	0.025316456
BSU_36550	spollQ	851	1614	1607	3221	1380	1048	2428	1.3265	0.397767	36	0.042303	37	0.043478261
BSU_40140	liaM	722	49325	54566	103891	45691	50471	96162	1.0804	0.398066	158	0.218837	163	0.225761773
BSU_15210	spoVE	1100	639	4	643	519	0	519	1.2385	0.398217	19	0.017273	18	0.016363636
BSU_07060	rhgX	1838	1900	2595	4495	1592	1974	3566	1.2604	0.398236	55	0.029924	57	0.03101197
BSU_34240	epsM	650	172	45	217	159	200	359	0.6056	0.398237	6	0.009231	7	0.010769231
BSU_26039	yqbNc	191	1506	1134	2640	1387	1228	2615	1.0096	0.398545	24	0.125654	26	0.136125654
BSU_17490	ynzG	251	717	994	1711	1156	884	2040	0.8388	0.39872	24	0.095618	27	0.107569721
BSU_09670	dat	848	888	669	1557	760	611	1371	1.1356	0.398851	31	0.036557	35	0.041273585
BSU_misc_R	srbL	130	108	105	213	38	81	119	1.7833	0.398942	4	0.030769	4	0.030769231
BSU_26010	yqbQ	980	1135	1584	2719	892	1174	2066	1.3159	0.399021	50	0.05102	57	0.058163265
BSU_39990	qdoR	575	1402	2223	3625	1068	1338	2406	1.5064	0.399043	25	0.043478	30	0.052173913
BSU_04360	mntH	1277	101	29	130	158	152	310	0.4212	0.399357	6	0.004699	5	0.003915427
BSU_33310	fhuB	1154	1903	2012	3915	1498	1622	3120	1.2547	0.399395	45	0.038995	49	0.042461005
BSU_00790	folK	503	176	90	266	103	65	168	1.5799	0.399515	6	0.011928	7	0.013916501
BSU_16220	fliG	1016	751	832	1583	430	1117	1547	1.0233	0.399661	36	0.035433	34	0.033464567
BSU_03370	yckA	680	1299	904	2203	1296	1623	2919	0.7548	0.400363	45	0.066176	47	0.069117647
BSU_38495		134	169	420	589	64	310	374	1.5733	0.40059	9	0.067164	9	0.067164179
BSU_06400	yebE	554	1144	1657	2801	1040	1433	2473	1.1326	0.400714	40	0.072202	43	0.077617329
BSU_00430	prtG	872	2974	3534	6508	2846	3846	6692	0.9725	0.400789	64	0.073394	60	0.068807339
BSU_22090	kdgT	992	708	720	1428	660	352	1012	1.4107	0.400874	24	0.024194	23	0.023185484
BSU_08280	yfil	1181	1634	1284	2918	1501	1057	2558	1.1407	0.401079	37	0.031329	43	0.036409822
BSU_30780	menC	1115	254	122	376	132	103	235	1.5975	0.401243	22	0.019731	21	0.018834081
BSU_08000	yfjQ	959	2234	2551	4785	2154	1739	3893	1.2291	0.401282	44	0.045881	45	0.046923879
BSU_19170	yocD	977	3604	3017	6621	2596	2128	4724	1.4015	0.401322	63	0.064483	68	0.069600819
BSU_36060	cotH	1088	2156	3096	5252	2755	2868	5623	0.934	0.401352	70	0.064338	77	0.070772059

BSU_00030	rlbA	215	162	2	164	83	27	110	1.4865	0.401434	4	0.018605	5	0.023255814
BSU_36330	ywpF	410	341	333	674	311	475	786	0.8577	0.401583	16	0.039024	18	0.043902439
BSU_40250	yyeR	1226	5463	6522	11985	6081	4876	10957	1.0938	0.401589	55	0.044861	56	0.045676998
BSU_02660	ycbU	1112	2513	2158	4671	2139	1623	3762	1.2416	0.401611	48	0.043165	52	0.04676259
BSU_35609	tuaAc	149	493	1173	1666	493	1226	1719	0.9692	0.401658	19	0.127517	20	0.134228188
BSU_39700	iolG	1034	3404	3796	7200	3566	3703	7269	0.9905	0.401926	58	0.056093	61	0.058994197
BSU_35450	comFC	722	3102	2864	5966	3666	2506	6172	0.9666	0.401973	50	0.069252	50	0.069252078
BSU_29970	ytkP	935	897	1876	2773	914	1123	2037	1.3611	0.402336	38	0.040642	40	0.042780749
BSU_07700	nagP	1358	2360	2365	4725	1820	2261	4081	1.1578	0.402446	55	0.040501	57	0.04197349
BSU_12330	yjmD	1019	362	535	897	599	828	1427	0.6289	0.402489	18	0.017664	19	0.018645731
BSU_06890	cotJA	248	1100	496	1596	800	743	1543	1.0343	0.402578	12	0.048387	13	0.052419355
BSU_14790	ylal	209	1358	2396	3754	1112	1292	2404	1.5613	0.40266	9	0.043062	12	0.057416268
BSU_22880	rpfA	1148	761	1112	1873	438	482	920	2.0347	0.402741	34	0.029617	34	0.029616725
BSU_01910	skfA	167	486	917	1403	505	711	1216	1.1537	0.402746	12	0.071856	13	0.077844311
BSU_misc_R	tboS	212	163	0	163	284	11	295	0.5541	0.403189	6	0.028302	6	0.028301887
BSU_32420	pucR	1595	1080	1035	2115	1292	1093	2385	0.8868	0.403368	43	0.026959	46	0.028840125
BSU_05830	gmuC	1328	1752	2345	4097	2001	2054	4055	1.0104	0.403385	50	0.037651	54	0.040662651
BSU_27110	yrhO	827	822	978	1800	804	811	1615	1.1145	0.403407	40	0.048368	39	0.047158404
BSU_26830	zinT	755	3324	2671	5995	3864	2892	6756	0.8874	0.403415	75	0.099338	76	0.100662252
BSU_39520	yxek	1325	2049	2393	4442	1883	2722	4605	0.9646	0.403717	45	0.033962	44	0.033207547
BSU_03380	yckB	863	1337	1180	2517	1288	839	2127	1.1833	0.403731	34	0.039397	40	0.046349942
BSU_31040	yuaD	578	685	745	1430	792	542	1334	1.0719	0.404026	16	0.027682	15	0.025951557
BSU_05710	spoL	1262	2272	3311	5583	2237	2652	4889	1.1419	0.404188	58	0.045959	65	0.051505547
BSU_28770	araL	818	416	645	1061	745	96	841	1.2613	0.404355	21	0.025672	21	0.025672372
BSU_02690	ansZ	1127	1161	1967	3128	1698	1465	3163	0.9889	0.404365	53	0.047028	51	0.045252884
BSU_14570	ykyA	671	1442	1886	3328	1183	1723	2906	1.1452	0.404437	45	0.067064	49	0.073025335
BSU_10300	aprE	1145	1656	1711	3367	1519	923	2442	1.3786	0.404473	53	0.046288	60	0.052401747
BSU_17930	ccdA	707	2563	1987	4550	1443	2161	3604	1.2624	0.404505	37	0.052334	39	0.055162659
BSU_40790	yyaO	239	1370	969	2339	1498	649	2147	1.0894	0.404524	16	0.066946	16	0.066945607
BSU_27660	comN	296	416	790	1206	649	347	996	1.2106	0.404755	15	0.050676	16	0.054054054
BSU_03810	pbtO	947	1189	1284	2473	1058	1162	2220	1.1139	0.404841	36	0.038015	39	0.041182682

BSU_38160	qoxB	1949	557	387	944	226	168	394	2.3924	0.405167	46	0.023602	49	0.025141098
BSU_02130	glpQA	881	1583	2493	4076	2480	2265	4745	0.859	0.405256	52	0.059024	51	0.057888763
BSU_07620	yflN	794	732	767	1499	578	776	1354	1.107	0.405365	24	0.030227	26	0.032745592
BSU_05510	ydfQ	338	1053	1667	2720	1289	1711	3000	0.9067	0.405381	27	0.079882	28	0.082840237
BSU_26860	yraO	1316	4341	5385	9726	4961	4437	9398	1.0349	0.405391	131	0.099544	144	0.109422492
BSU_06150	gutB	1061	3967	5860	9827	4001	4237	8238	1.1929	0.405543	55	0.051838	56	0.052780396
BSU_24950	pstBB	782	826	591	1417	629	674	1303	1.0874	0.405762	27	0.034527	26	0.033248082
BSU_33260	yvrN	1229	1191	800	1991	1630	794	2424	0.8214	0.405815	39	0.031733	35	0.028478438
BSU_38750	cydB	1016	3071	1711	4782	2635	1866	4501	1.0624	0.405838	56	0.055118	61	0.06003937
BSU_30450	ytrB	878	1715	1833	3548	2148	1642	3790	0.9362	0.405895	22	0.025057	24	0.027334852
BSU_32010	besA	869	1047	784	1831	791	525	1316	1.391	0.405999	26	0.029919	31	0.035673188
BSU_31270	tgl	737	940	1562	2502	866	1867	2733	0.9155	0.406039	41	0.055631	41	0.055630936
BSU_06340	yeaD	1196	1697	1837	3534	2510	3259	5769	0.6127	0.406059	37	0.030936	39	0.032608696
BSU_05400	ydfG	443	1952	2767	4719	2001	2653	4654	1.014	0.406483	35	0.079007	36	0.081264108
BSU_11180	yitZ	494	176	498	674	428	359	787	0.8566	0.406492	15	0.030364	16	0.032388664
BSU_12150	yjgB	575	1180	903	2083	1274	1018	2292	0.9089	0.406639	30	0.052174	30	0.052173913
BSU_30800	menB	815	32	39	71	10	44	54	1.3091	0.406664	7	0.008589	8	0.009815951
BSU_34590	mdxG	836	1527	859	2386	1114	1485	2599	0.9181	0.406707	36	0.043062	36	0.043062201
BSU_09890	yhaQ	896	757	1035	1792	556	916	1472	1.2172	0.407149	31	0.034598	36	0.040178571
BSU_27785	yrzF	647	487	931	1418	235	762	997	1.4218	0.40719	19	0.029366	21	0.032457496
BSU_07420	ettM	1556	2741	2692	5433	2120	2624	4744	1.1452	0.407191	59	0.037918	58	0.037275064
BSU_12490	xpdC	836	856	995	1851	979	1215	2194	0.8437	0.407244	41	0.049043	37	0.044258373
BSU_10910	yisZ	599	219	210	429	190	224	414	1.0361	0.407396	13	0.021703	14	0.023372287
BSU_18160	xynD	1541	3105	3803	6908	3404	2984	6388	1.0814	0.407396	98	0.063595	105	0.068137573
BSU_23880	mifM	287	388	448	836	262	670	932	0.8971	0.40744	11	0.038328	14	0.048780488
BSU_04039	yczO	164	269	155	424	218	184	402	1.0546	0.407548	9	0.054878	8	0.048780488
BSU_32500	pucB	617	397	377	774	230	221	451	1.7146	0.407616	12	0.019449	16	0.025931929
BSU_33250	rsiO	410	651	1241	1892	691	1165	1856	1.0194	0.407792	18	0.043902	20	0.048780488
BSU_37750	ywfA	1238	2868	3888	6756	2572	4362	6934	0.9743	0.407814	74	0.059774	78	0.063004847
BSU_00990	rpmGB	149	524	0	524	168	0	168	3.1065	0.407936	6	0.040268	7	0.046979866
BSU_22010	exnP	890	662	1164	1826	685	444	1129	1.6168	0.408011	35	0.039326	37	0.041573034

BSU_40480	yycB	1208	5751	4905	10656	4723	8375	13098	0.8136	0.408163	72	0.059603	72	0.059602649
BSU_11930	yjcO	461	649	707	1356	438	467	905	1.4978	0.408287	17	0.036876	18	0.039045553
BSU_40850	maa	554	5566	7603	13169	5511	5260	10771	1.2226	0.408309	40	0.072202	42	0.075812274
BSU_37820	spsK	851	1649	991	2640	1305	1414	2719	0.971	0.408831	37	0.043478	39	0.045828437
BSU_26740	cypA	1232	2936	2660	5596	2915	2261	5176	1.0811	0.408934	76	0.061688	81	0.065746753
BSU_33000	htrB	1376	1395	1312	2707	1471	829	2300	1.1769	0.409077	41	0.029797	41	0.029796512
BSU_40470	yycC	140	1148	841	1989	1387	804	2191	0.9078	0.409091	5	0.035714	6	0.042857143
BSU_08450	sxzZ	1001	910	837	1747	927	1263	2190	0.7978	0.409103	28	0.027972	29	0.028971029
BSU_22930	sleB	917	1000	897	1897	908	746	1654	1.1468	0.409241	34	0.037077	37	0.040348964
BSU_08670	ygaB	344	120	238	358	119	75	194	1.841	0.409368	7	0.020349	10	0.029069767
BSU_08980	yhbH	1178	1497	1226	2723	1546	1451	2997	0.9086	0.409497	49	0.041596	51	0.043293718
BSU_09930	yhaM	944	1363	1046	2409	920	1181	2101	1.1465	0.409516	41	0.043432	42	0.044491525
BSU_40220	yydB	1445	129173	118220	247393	139214	118388	257602	0.9604	0.409542	302	0.208997	304	0.210380623
BSU_31150	uppP	830	1574	1165	2739	1040	888	1928	1.4204	0.409569	37	0.044578	40	0.048192771
BSU_22520	ypjB	794	459	587	1046	385	393	778	1.344	0.409603	23	0.028967	22	0.027707809
BSU_35080	pchR	509	1123	737	1860	627	1362	1989	0.9352	0.409615	19	0.037328	22	0.043222004
BSU_29845		116	336	536	872	492	420	912	0.9562	0.409757	10	0.086207	11	0.094827586
BSU_14950	ylbB	446	534	339	873	164	110	274	3.1782	0.409786	13	0.029148	14	0.031390135
BSU_40576		185	1914	4860	6774	1135	3933	5068	1.3366	0.409856	12	0.064865	12	0.064864865
BSU_10870	ylsU	662	517	555	1072	587	552	1139	0.9412	0.409886	19	0.028701	18	0.027190332
BSU_13230	thiV	599	659	794	1453	906	592	1498	0.97	0.40992	26	0.043406	26	0.043405676
BSU_misc_R	gswB	102	1249	1452	2701	539	3255	3794	0.712	0.409988	20	0.196078	19	0.18627451
BSU_09259	ylhZ	191	212	183	395	129	278	407	0.9706	0.410002	9	0.04712	8	0.041884817
BSU_30640	yltC	404	51	443	494	153	149	302	1.6337	0.41011	10	0.024752	10	0.024752475
BSU_14280	moeA	1292	1234	881	2115	1100	1448	2548	0.8301	0.410381	28	0.021672	30	0.023219814
BSU_03970	ylcN	353	334	563	897	212	588	800	1.1211	0.4104	13	0.036827	13	0.036827195
BSU_23570	ansB	1427	932	765	1697	463	523	986	1.7204	0.410489	47	0.032936	51	0.035739313
BSU_27040	levG	827	905	895	1800	582	775	1357	1.3262	0.410531	29	0.035067	33	0.039903265
BSU_00260	yaaN	1160	4260	3741	8001	2973	3753	6726	1.1895	0.410768	63	0.05431	69	0.059482759
BSU_07220	flvL	503	1017	1083	2100	825	796	1621	1.2953	0.410859	23	0.045726	23	0.045725646
BSU_34870	hisF	758	2057	2659	4716	2373	1918	4291	1.099	0.411026	25	0.032982	28	0.036939314

BSU_36410	mbI	1001	6	59	65	16	12	28	2.2759	0.41118	6	0.005994	7	0.006993007
BSU_11390	appB	950	1456	902	2358	1080	1241	2321	1.0159	0.411259	42	0.044211	43	0.045263158
BSU_14670	suhB	797	1275	1054	2329	920	994	1914	1.2167	0.411318	30	0.037641	29	0.036386449
BSU_15790	rpe	653	16	101	117	46	76	122	0.9593	0.411814	8	0.012251	9	0.013782542
BSU_14540	rnpZA	209	15	191	206	2	93	95	2.1562	0.411879	7	0.033493	9	0.043062201
BSU_06319	ydZx	287	409	251	660	234	489	723	0.913	0.41188	17	0.059233	15	0.052264808
BSU_06230	ioIT	1421	2151	2171	4322	1915	1433	3348	1.2908	0.41189	46	0.032372	48	0.033779029
BSU_ncRNA_	auzJ	131	159	102	261	70	86	156	1.6688	0.411966	6	0.045802	5	0.038167939
BSU_04720	rsbW	482	0	912	912	21	812	833	1.0947	0.412054	14	0.029046	16	0.033195021
BSU_36669	ywzF	182	21	143	164	90	48	138	1.1871	0.412255	3	0.016484	4	0.021978022
BSU_21840	ypjP	611	184	69	253	182	135	317	0.7987	0.412259	10	0.016367	10	0.016366612
BSU_18270	ynzE	305	832	814	1646	747	424	1171	1.4053	0.412326	16	0.052459	19	0.062295082
BSU_12230	yjjA	812	541	508	1049	284	662	946	1.1088	0.412417	18	0.022167	18	0.022167488
BSU_22870	fni	1049	391	559	950	282	416	698	1.3605	0.412828	17	0.016206	20	0.019065777
BSU_19420	yojK	1217	1783	3049	4832	2188	2229	4417	1.0939	0.413035	63	0.051767	71	0.058340181
BSU_03320	nasB	2315	2119	2464	4583	2166	1615	3781	1.2121	0.413066	65	0.028078	69	0.029805616
BSU_03090	ycgF	629	579	1284	1863	878	999	1877	0.9925	0.413563	25	0.039746	24	0.038155803
BSU_11370	appF	989	957	1071	2028	1182	1023	2205	0.9198	0.413591	36	0.0364	38	0.038422649
BSU_29050	ytbE	842	1116	707	1823	849	1030	1879	0.9702	0.413758	32	0.038005	31	0.036817102
BSU_39630	tpeM	1868	8641	7233	15874	6878	6861	13739	1.1554	0.41386	121	0.064775	126	0.06745182
BSU_08900	yhzB	623	531	518	1049	545	439	984	1.066	0.413907	22	0.035313	25	0.040128411
BSU_14230	ykuV	446	736	794	1530	732	463	1195	1.2801	0.414025	18	0.040359	23	0.051569507
BSU_05840	gmuD	1397	1888	9060	10948	1826	1719	3545	3.0877	0.414031	52	0.037223	53	0.03793844
BSU_23328	ypzJ	206	200	469	669	368	262	630	1.0618	0.414527	15	0.072816	16	0.077669903
BSU_31540	nupN	1079	1922	1811	3733	1167	2678	3845	0.9709	0.414531	51	0.047266	51	0.047265987
BSU_02785		131	325	168	493	336	376	712	0.6928	0.414624	5	0.038168	5	0.038167939
BSU_11880	metC	1172	590	678	1268	471	836	1307	0.9702	0.414804	28	0.023891	31	0.026450512
BSU_31670	yuxO	380	1429	1532	2961	1522	1101	2623	1.1288	0.414892	17	0.044737	18	0.047368421
BSU_08250	yfiF	944	1839	766	2605	634	742	1376	1.8925	0.415007	31	0.032839	33	0.034957627
BSU_15840	yloV	1661	841	1237	2078	731	798	1529	1.3588	0.415118	50	0.030102	52	0.031306442
BSU_05100	yddT	686	3720	2243	5963	2951	2062	5013	1.1895	0.415223	14	0.020408	13	0.018950437

BSU_24570	gcvT	1088	1096	1145	2241	1338	1303	2641	0.8486	0.415511	39	0.035846	41	0.037683824
BSU_22290	sspM	104	32	401	433	244	58	302	1.4323	0.415545	4	0.038462	4	0.038461538
BSU_24760	rsbRD	836	499	285	784	221	578	799	0.9812	0.415643	23	0.027512	22	0.026315789
BSU_27340	yrro	1268	839	625	1464	653	499	1152	1.2706	0.415733	33	0.026025	38	0.029968454
BSU_18240	ldeHA	1334	1454	1361	2815	1153	1898	3051	0.9227	0.415799	45	0.033733	49	0.036731634
BSU_misc_R	srIX	412	1026	963	1989	1356	1275	2631	0.7561	0.415811	18	0.043689	19	0.046116505
BSU_17090	pksB	677	1266	1253	2519	951	1122	2073	1.215	0.415833	45	0.06647	48	0.070901034
BSU_04530	fbpB	179	303	200	503	177	187	364	1.3808	0.415842	6	0.03352	7	0.039106145
BSU_40170	liaE	959	62163	66142	128305	67988	71974	139962	0.9167	0.416	161	0.167883	160	0.166840459
BSU_03490	srfAB	10751	4995	4547	9542	3740	4815	8555	1.1154	0.416009	76	0.007069	81	0.007534183
BSU_28810	abnA	971	1612	807	2419	1102	940	2042	1.1845	0.416067	43	0.044284	42	0.043254377
BSU_02180	ybfEc	284	836	1100	1936	1076	865	1941	0.9974	0.416082	17	0.059859	19	0.066901408
BSU_37540	hmtB	188	435	322	757	464	340	804	0.9416	0.416343	6	0.031915	7	0.037234043
BSU_misc_R	gswA	100	414	194	608	280	168	448	1.3563	0.41639	11	0.11	12	0.12
BSU_23720	yqzH	206	563	287	850	630	440	1070	0.7946	0.416447	16	0.07767	15	0.072815534
BSU_10800	yizA	479	678	1008	1686	1078	815	1893	0.8907	0.416515	43	0.08977	40	0.083507307
BSU_23080	aroC	767	418	244	662	209	353	562	1.1776	0.416561	21	0.027379	23	0.029986962
BSU_14009	ykzT	161	381	314	695	199	364	563	1.234	0.416564	14	0.086957	15	0.093167702
BSU_38130	ywcE	263	174	512	686	92	278	370	1.8518	0.416702	10	0.038023	10	0.038022814
BSU_26829		161	572	851	1423	904	724	1628	0.8742	0.416777	14	0.086957	18	0.111801242
BSU_34690	psdB	1940	4237	4747	8984	3765	4762	8527	1.0536	0.416863	96	0.049485	99	0.051030928
BSU_07800	treP	1412	1165	922	2087	941	961	1902	1.0972	0.416902	42	0.029745	48	0.033994334
BSU_26160	yqbC	653	2915	3042	5957	2684	1741	4425	1.3461	0.416905	66	0.101072	69	0.105666156
BSU_35550	tuaG	758	1205	2486	3691	1804	1543	3347	1.1027	0.41694	43	0.056728	39	0.051451187
BSU_00470	purR	857	2381	1624	4005	913	4843	5756	0.6958	0.416957	53	0.061844	56	0.065344224
BSU_09610	crcBB	395	682	583	1265	669	441	1110	1.1395	0.417042	13	0.032911	16	0.040506329
BSU_10430	yhxD	899	1441	1413	2854	1501	1425	2926	0.9754	0.417153	42	0.046719	45	0.050055617
BSU_27750	bofC	512	596	456	1052	530	408	938	1.1214	0.417305	15	0.029297	15	0.029296875
BSU_06074	ydZWmc	128	736	809	1545	648	452	1100	1.4042	0.417443	12	0.09375	13	0.1015625
BSU_02160	ybfA	917	1032	1498	2530	450	1257	1707	1.4819	0.417458	31	0.033806	34	0.037077426
BSU_26569		176	395	337	732	252	329	581	1.2595	0.417551	14	0.079545	18	0.102272727

BSU_27540	tcdA	764	179	498	677	362	284	646	1.0479	0.417592	15	0.019634	16	0.020942408
BSU_24720	comGB	971	1337	1323	2660	1498	1186	2684	0.9911	0.417635	45	0.046344	49	0.05046344
BSU_36110	chrS	476	231	477	708	242	279	521	1.3582	0.417643	10	0.021008	12	0.025210084
BSU_16180	flgB	389	672	440	1112	504	386	890	1.2492	0.41792	18	0.046272	20	0.051413882
BSU_26970	adhB	1136	1800	2073	3873	2051	1856	3907	0.9913	0.418204	57	0.050176	63	0.055457746
BSU_25875		146	762	1054	1816	692	881	1573	1.1544	0.418449	21	0.143836	23	0.157534247
BSU_23260	ribBA	1196	623	1220	1843	711	721	1432	1.2868	0.418681	29	0.024247	32	0.026755853
BSU_39760	ioIA	1463	2957	2199	5156	2478	2613	5091	1.0128	0.418898	54	0.03691	60	0.04101162
BSU_37300	ywiC	719	2237	1581	3818	1839	1682	3521	1.0843	0.419013	22	0.030598	23	0.031988873
BSU_02540	ycbK	938	2219	2103	4322	1669	2234	3903	1.1073	0.419267	40	0.042644	41	0.043710021
BSU_17160	pksH	779	638	834	1472	884	565	1449	1.0159	0.419432	27	0.03466	28	0.035943517
BSU_31920	adeR	1268	2906	2279	5185	2474	2893	5367	0.9661	0.419552	70	0.055205	74	0.058359621
BSU_30790	menE	1460	161	154	315	96	146	242	1.3004	0.419768	20	0.013699	22	0.015068493
BSU_26619	yrzO	143	84	361	445	136	106	242	1.8354	0.419863	7	0.048951	8	0.055944056
BSU_03430	nucA	449	570	471	1041	503	258	761	1.3675	0.41991	15	0.033408	14	0.031180401
BSU_03620	bsdA	872	664	1151	1815	569	858	1427	1.2717	0.420355	24	0.027523	28	0.032110092
BSU_10340	phoE	581	540	537	1077	859	420	1279	0.8422	0.420436	22	0.037866	21	0.036144578
BSU_33680	catR	326	291	580	871	163	532	695	1.2529	0.420507	15	0.046012	19	0.058282209
BSU_13840	stoA	497	1255	1563	2818	2035	2511	4546	0.62	0.420821	21	0.042254	23	0.046277666
BSU_18400	yoeD	230	1042	675	1717	903	702	1605	1.0697	0.420982	21	0.091304	20	0.086956522
BSU_39000	yxjC	1418	3298	2348	5646	2757	3065	5822	0.9698	0.421095	62	0.043724	60	0.042313117
BSU_13430	ykoX	665	1041	1186	2227	574	1477	2051	1.0858	0.421147	35	0.052632	35	0.052631579
BSU_06320	mneS	872	1544	1231	2775	1053	1115	2168	1.2799	0.421206	42	0.048165	47	0.053899083
BSU_28740	araP	941	874	688	1562	865	892	1757	0.8891	0.421417	35	0.037194	33	0.035069075
BSU_33070	gerAC	1121	1597	2460	4057	2327	2472	4799	0.8454	0.421458	58	0.05174	63	0.056199822
BSU_18790	yoaZ	632	6483	5717	12200	6122	5560	11682	1.0443	0.421963	86	0.136076	90	0.142405063
BSU_33150	yvqK	581	679	1259	1938	676	525	1201	1.6131	0.422061	17	0.02926	19	0.032702238
BSU_15820	rpmB	188	124	326	450	119	145	264	1.7019	0.422366	10	0.053191	11	0.058510638
BSU_27809	yrzT	140	735	453	1188	310	318	628	1.8903	0.422367	12	0.085714	13	0.092857143
BSU_35050	yvnA	473	1601	1208	2809	1236	1524	2760	1.0177	0.422397	36	0.07611	36	0.076109937
BSU_35560	tuaF	680	3842	2592	6434	3395	2326	5721	1.1246	0.422446	60	0.088235	67	0.098529412

BSU_34450	sacB	1421	4724	6437	11161	5371	6485	11856	0.9414	0.422472	108	0.076003	111	0.078114004
BSU_28300	ilvH	518	588	215	803	622	307	929	0.8645	0.422655	17	0.032819	17	0.032818533
BSU_10450	yhjB	1469	1689	1388	3077	1810	1821	3631	0.8475	0.422788	58	0.039483	57	0.038801906
BSU_22690	aroH	383	209	137	346	265	38	303	1.1414	0.422975	8	0.020888	7	0.018276762
BSU_11900	yjcL	1190	2185	1592	3777	1552	1941	3493	1.0813	0.423027	57	0.047899	62	0.05210084
BSU_14150	fldN	476	1240	1545	2785	1631	2672	4303	0.6473	0.423151	23	0.048319	27	0.056722689
BSU_26790	aadK	854	3131	3518	6649	2829	3366	6195	1.0733	0.423189	88	0.103044	89	0.104215457
BSU_31830	yueE	530	1261	1180	2441	1159	715	1874	1.3024	0.4232	24	0.045283	28	0.052830189
BSU_06920	yesJ	542	640	574	1214	664	1426	2090	0.5811	0.423209	15	0.027675	15	0.027675277
BSU_35240	ctpB	1442	2940	2232	5172	2136	2242	4378	1.1813	0.423385	66	0.04577	70	0.048543689
BSU_36650	ureB	374	211	254	465	118	291	409	1.1366	0.423488	8	0.02139	9	0.024064171
BSU_15590	sat	1148	1217	1403	2620	1661	1519	3180	0.824	0.423521	46	0.04007	44	0.038327526
BSU_38640	yxIH	1202	1359	1988	3347	1052	1689	2741	1.221	0.423641	41	0.03411	46	0.038269551
BSU_00330	dnaH	359	400	495	895	161	2608	2769	0.3235	0.423674	19	0.052925	19	0.052924791
BSU_37940	ywdJ	1322	1530	1334	2864	1106	802	1908	1.5008	0.42373	45	0.034039	50	0.037821483
BSU_35160	uvrA	2873	5284	4233	9517	4003	3219	7222	1.3177	0.423814	112	0.038984	116	0.040375914
BSU_39940	yxal	1232	13835	14174	28009	15204	13169	28373	0.9872	0.424214	88	0.071429	91	0.073863636
BSU_34430	racX	683	1938	3429	5367	2250	2113	4363	1.2301	0.424253	41	0.060029	45	0.065885798
BSU_35230	swrAAc	338	1357	1475	2832	1616	931	2547	1.1119	0.424271	33	0.097633	38	0.112426036
BSU_21930	cspD	200	87	73	160	186	49	235	0.6822	0.424427	7	0.035	7	0.035
BSU_11928	yjzF	131	116	157	273	58	115	173	1.5747	0.424462	7	0.053435	8	0.061068702
BSU_40010	yxalD	431	1252	1315	2567	781	646	1427	1.7983	0.425161	31	0.071926	36	0.083526682
BSU_13040	hmpA	1199	820	1746	2566	1107	1893	3000	0.8554	0.425615	46	0.038365	49	0.040867389
BSU_13390	ykoT	1013	922	944	1866	913	1298	2211	0.844	0.425712	36	0.035538	36	0.035538006
BSU_04150	ycsN	902	1069	1815	2884	1433	1168	2601	1.1088	0.425716	43	0.047672	43	0.04767184
BSU_04070	pxpl	773	348	362	710	669	478	1147	0.6193	0.425719	19	0.02458	19	0.02457956
BSU_37380	albB	161	435	499	934	431	608	1039	0.899	0.425855	10	0.062112	9	0.055900621
BSU_26650	czcD	935	3520	2731	6251	2775	2523	5298	1.1798	0.426182	86	0.091979	91	0.097326203
BSU_06250	walM	371	965	924	1889	639	826	1465	1.2892	0.426248	29	0.078167	28	0.075471698
BSU_08290	linJ	1202	1740	1890	3630	1879	1842	3721	0.9756	0.42637	39	0.032446	40	0.03327787
BSU_00140	dck	653	1835	2069	3904	2124	928	3052	1.2791	0.427149	46	0.070444	49	0.075038285

BSU_35690	ggaA	1340	39628	44185	83813	43075	43410	86485	0.9691	0.427162	241	0.179851	242	0.180597015
BSU_35440	yyvF	419	1181	887	2068	1794	1597	3391	0.61	0.427232	26	0.062053	26	0.062052506
BSU_13550	mtnA	1061	666	879	1545	673	566	1239	1.2468	0.427295	25	0.023563	24	0.02262017
BSU_24330	yqhY	407	82	313	395	426	0	426	0.9274	0.427386	7	0.017199	8	0.01965602
BSU_38430	gspA	860	2196	2896	5092	2745	2042	4787	1.0637	0.427534	55	0.063953	58	0.06744186
BSU_06640	yerI	1010	3394	1706	5100	2385	2488	4873	1.0466	0.427592	56	0.055446	59	0.058415842
BSU_19780	cgeA	401	285	352	637	242	382	624	1.0208	0.428119	19	0.047382	21	0.052369077
BSU_03300	nasD	2417	2636	2611	5247	2366	2501	4867	1.0781	0.428134	83	0.03434	87	0.035995035
BSU_12960	dppE	1649	1610	1855	3465	1097	2467	3564	0.9722	0.428211	54	0.032747	53	0.032140691
BSU_11070	yitP	536	618	477	1095	565	500	1065	1.0281	0.428248	22	0.041045	24	0.044776119
BSU_11929	yjzG	173	395	360	755	243	460	703	1.0739	0.428319	10	0.057803	11	0.063583815
BSU_28920	lytT	725	598	632	1230	1011	430	1441	0.8537	0.428401	27	0.037241	29	0.04
BSU_40690	yybC	479	5325	4993	10318	5439	4719	10158	1.0157	0.428625	40	0.083507	41	0.08559499
BSU_06410	yebG	197	15	147	162	0	197	197	0.8232	0.428698	4	0.020305	3	0.015228426
BSU_06860	yezE	584	1684	1799	3483	1274	1323	2597	1.341	0.428725	28	0.047945	33	0.056506849
BSU_24520	mntR	428	370	694	1064	468	258	726	1.4649	0.428853	21	0.049065	24	0.056074766
BSU_01510	ybaJ	767	1815	2787	4602	2255	2074	4329	1.063	0.429097	55	0.071708	58	0.075619296
BSU_33830	opuCA	1142	3556	3338	6894	4436	3062	7498	0.9195	0.429513	52	0.045534	50	0.043782837
BSU_02750	natA	740	1066	1302	2368	882	1349	2231	1.0614	0.429514	30	0.040541	32	0.043243243
BSU_05310	ydeR	1187	3448	3679	7127	2522	4317	6839	1.0421	0.429665	80	0.067397	83	0.069924179
BSU_31322	kbfO	986	1780	1903	3683	1886	1535	3421	1.0766	0.429823	47	0.047667	49	0.04969574
BSU_34030	lutC	722	1261	1251	2512	778	1234	2012	1.2484	0.429913	26	0.036011	30	0.041551247
BSU_08230	catD	404	704	312	1016	299	366	665	1.527	0.429975	17	0.042079	17	0.042079208
BSU_17480	ynzF	344	1472	1499	2971	1135	1351	2486	1.195	0.430214	29	0.084302	31	0.090116279
BSU_24780	yqgY	245	822	836	1658	534	1299	1833	0.9046	0.43052	18	0.073469	21	0.085714286
BSU_30690	ytiB	563	538	856	1394	443	328	771	1.807	0.430753	18	0.031972	22	0.039076377
BSU_14750	ylaE	611	1385	1192	2577	832	1253	2085	1.2359	0.431067	34	0.055646	40	0.065466448
BSU_05350	ydfB	785	3446	4453	7899	2959	3338	6297	1.2544	0.431097	81	0.103185	89	0.113375796
BSU_39120	yxIM	1148	3883	2377	6260	3379	1737	5116	1.2236	0.43114	56	0.04878	64	0.055749129
BSU_36790	ywmA	473	1161	1041	2202	1034	788	1822	1.2084	0.431248	29	0.061311	32	0.067653277
BSU_23770	dsdA	1346	1163	1388	2551	1061	1237	2298	1.11	0.431252	48	0.035661	55	0.040861813

BSU_17560	ynal	470	4689	4162	8851	4018	2806	6824	1.297	0.431322	67	0.142553	77	0.163829787
BSU_15320	sigE	719	1629	1101	2730	1136	1355	2491	1.0959	0.431369	40	0.055633	43	0.059805285
BSU_04220	ydaG	422	974	570	1544	715	960	1675	0.9218	0.431552	20	0.047393	19	0.045023697
BSU_38980	scoB	650	681	373	1054	456	238	694	1.518	0.431797	14	0.021538	14	0.021538462
BSU_06083	ydZWn	92	8	72	80	2	94	96	0.8351	0.43214	3	0.032609	3	0.032608696
BSU_18570	yoaE	2042	4755	4547	9302	3326	3930	7256	1.2819	0.432289	89	0.043585	95	0.046523017
BSU_07320	yfnC	1229	1779	1781	3560	1779	2525	4304	0.8272	0.432347	48	0.039056	49	0.039869813
BSU_09100	cspB	203	53	163	216	128	297	425	0.5094	0.43235	7	0.034483	7	0.034482759
BSU_21780	silP	995	1243	764	2007	406	812	1218	1.6473	0.432504	37	0.037186	37	0.03718593
BSU_10650	sbcC	3392	1326	1776	3102	1222	1080	2302	1.3474	0.432621	62	0.018278	70	0.020636792
BSU_05720	ydhE	1187	2593	2954	5547	2618	3309	5927	0.9359	0.432673	61	0.05139	69	0.058129739
BSU_08160	yfjB	1223	1357	1426	2783	1093	1392	2485	1.1199	0.432714	35	0.028618	36	0.029435814
BSU_08030	dusC	977	1487	3132	4619	1619	1947	3566	1.2952	0.432816	51	0.052201	61	0.062436029
BSU_25960	yqcB	272	578	692	1270	796	633	1429	0.8888	0.433193	19	0.069853	22	0.080882353
BSU_11770	cotW	317	177	111	288	67	123	190	1.5131	0.433535	8	0.025237	9	0.028391167
BSU_34729	yvzJ	209	888	719	1607	573	579	1152	1.3946	0.433774	18	0.086124	20	0.09569378
BSU_07980	pdaA	791	618	735	1353	514	290	804	1.682	0.434069	23	0.029077	25	0.031605563
BSU_03350	yciB	584	1371	623	1994	490	971	1461	1.3646	0.434236	24	0.041096	28	0.047945205
BSU_37700	bacE	1184	2297	2015	4312	1041	1874	2915	1.4791	0.43432	45	0.038007	45	0.038006757
BSU_22869	ypzI	131	0	74	74	15	34	49	1.5	0.434331	1	0.007634	2	0.015267176
BSU_09770	spaD	1361	700	879	1579	728	958	1686	0.9366	0.434472	35	0.025716	33	0.024246877
BSU_10740	yisJ	923	464	747	1211	841	434	1275	0.9498	0.434552	24	0.026002	23	0.024918743
BSU_36350	ywpD	836	1389	1113	2502	613	1802	2415	1.036	0.434726	35	0.041866	40	0.04784689
BSU_39690	iolH	869	4128	3077	7205	3617	3432	7049	1.0221	0.434927	58	0.066743	61	0.070195627
BSU_27630	yrvD	323	298	325	623	350	235	585	1.0648	0.434965	13	0.040248	13	0.040247678
BSU_06650	sapB	698	1322	1764	3086	1070	1042	2112	1.461	0.435046	33	0.047278	35	0.050143266
BSU_13819	ykzS	194	404	96	500	174	193	367	1.3614	0.435058	8	0.041237	7	0.036082474
BSU_09720	bmrD	2021	1776	1715	3491	2166	1453	3619	0.9646	0.435182	65	0.032162	68	0.03364671
BSU_03690	yczF	221	835	1014	1849	1221	625	1846	1.0016	0.435223	22	0.099548	21	0.095022624
BSU_26310	sknH	257	1134	433	1567	958	993	1951	0.8033	0.435225	23	0.089494	21	0.081712062
BSU_31410	yugG	500	180	303	483	128	123	251	1.9206	0.435523	10	0.02	10	0.02

BSU_27090	aapA	1388	1988	2008	3996	1731	1957	3688	1.0835	0.435549	69	0.049712	74	0.053314121
BSU_17270	pghC	707	2682	1469	4151	1891	2231	4122	1.007	0.435556	52	0.07355	53	0.074964639
BSU_35010	nagA	1190	1569	1611	3180	992	1497	2489	1.2775	0.435564	39	0.032773	38	0.031932773
BSU_22130	kdul	827	527	947	1474	356	789	1145	1.2871	0.435756	25	0.03023	28	0.033857316
BSU_34940	yvpB	752	1091	1640	2731	1603	1972	3575	0.764	0.435776	40	0.053191	43	0.057180851
BSU_28660	sspl	215	266	427	693	271	255	526	1.3169	0.435989	8	0.037209	8	0.037209302
BSU_34060	yvfU	602	900	821	1721	1073	406	1479	1.1635	0.436205	24	0.039867	29	0.048172757
BSU_37290	arfM	476	1544	779	2323	1148	1039	2187	1.0622	0.436293	29	0.060924	32	0.067226891
BSU_19810	spsMn	419	902	464	1366	385	694	1079	1.2657	0.436313	21	0.050119	24	0.057279236
BSU_19580	yodF	1490	2023	1997	4020	2188	1986	4174	0.9631	0.436571	70	0.04698	71	0.047651007
BSU_31700	comX	167	2575	1696	4271	2585	2008	4593	0.9299	0.436618	30	0.179641	31	0.185628743
BSU_06048	ydZU	272	3161	2699	5860	2389	3516	5905	0.9924	0.436746	29	0.106618	28	0.102941176
BSU_12180	yjhA	641	1665	1397	3062	1177	2240	3417	0.8961	0.436964	55	0.085803	58	0.090483619
BSU_30670	luxS	473	561	867	1428	540	543	1083	1.3183	0.437002	21	0.044397	24	0.050739958
BSU_22950	ypdA	974	978	1561	2539	1340	1017	2357	1.0772	0.437098	41	0.042094	48	0.049281314
BSU_02950	niaP	1202	1516	1841	3357	1748	1648	3396	0.9885	0.437163	39	0.032446	39	0.032445923
BSU_08790	thiC	1772	2618	1516	4134	2280	2076	4356	0.949	0.437294	65	0.036682	67	0.037810384
BSU_39900	yxbA	269	4396	5643	10039	3892	5395	9287	1.081	0.437295	30	0.111524	33	0.12267658
BSU_39620	yxwA	347	2517	2585	5102	3004	2275	5279	0.9665	0.437323	26	0.074928	28	0.080691643
BSU_26110	yqbH	362	334	688	1022	459	584	1043	0.9799	0.437383	18	0.049724	19	0.052486188
BSU_31959	mbtH	209	541	159	700	383	401	784	0.893	0.437452	10	0.047847	11	0.052631579
BSU_33860	yvbH	614	1611	2564	4175	1367	2240	3607	1.1574	0.437543	45	0.07329	47	0.076547231
BSU_23940	yqjB	530	556	590	1146	361	1005	1366	0.8391	0.43788	21	0.039623	22	0.041509434
BSU_26960	yraF	368	757	1233	1990	1154	810	1964	1.0132	0.437927	21	0.057065	24	0.065217391
BSU_06000	ydiK	191	221	753	974	310	287	597	1.6304	0.437993	10	0.052356	12	0.062827225
BSU_15090	gerR	581	72	172	244	192	80	272	0.8974	0.438071	9	0.015491	10	0.017211704
BSU_16660	truB	929	1229	1415	2644	755	485	1240	2.1313	0.438242	27	0.029064	30	0.032292788
BSU_33130	liaI	380	365	343	708	402	183	585	1.2099	0.438745	14	0.036842	15	0.039473684
BSU_14160	ykuO	893	1778	1827	3605	1362	2323	3685	0.9783	0.43965	43	0.048152	47	0.052631579
BSU_35110	yviC	197	544	309	853	445	417	862	0.9896	0.439675	10	0.050761	9	0.045685279
BSU_11480	yjbB	1217	2148	1305	3453	1580	1471	3051	1.1317	0.440367	46	0.037798	49	0.040262942

BSU_19770	cgeC	305	227	107	334	112	333	445	0.7511	0.440449	8	0.02623	8	0.026229508
BSU_05470	mneP	893	2186	2641	4827	2028	2739	4767	1.0126	0.440456	58	0.06495	60	0.06718925
BSU_27330	udk	635	636	704	1340	720	268	988	1.3559	0.44064	27	0.04252	30	0.047244094
BSU_17360	ymzA	230	273	191	464	264	107	371	1.25	0.440806	14	0.06087	14	0.060869565
BSU_28970	ytxB	641	446	523	969	352	378	730	1.3269	0.440806	18	0.028081	20	0.031201248
BSU_37580	ywgB	470	260	629	889	202	436	638	1.3928	0.441104	16	0.034043	18	0.038297872
BSU_40570	yybO	1307	19373	19665	39038	17041	19883	36924	1.0573	0.441136	113	0.086458	120	0.091813313
BSU_34610	mdxE	1253	1414	1728	3142	1096	2126	3222	0.9752	0.441139	55	0.043895	55	0.043894653
BSU_28320	cotQ	335	93	323	416	147	340	487	0.8545	0.441452	11	0.032836	10	0.029850746
BSU_19710	yodQ	1310	837	1348	2185	1000	823	1823	1.1985	0.441465	44	0.033588	47	0.035877863
BSU_06850	cotK	437	2288	2368	4656	1975	2187	4162	1.1187	0.441547	25	0.057208	25	0.057208238
BSU_15630	sirC	488	856	985	1841	976	753	1729	1.0647	0.441569	11	0.022541	12	0.024590164
BSU_17970	cotM	392	880	1213	2093	1256	746	2002	1.0454	0.441612	26	0.066327	27	0.068877551
BSU_35650	tagU	920	9655	8903	18558	9051	10378	19429	0.9552	0.441752	98	0.106522	95	0.10326087
BSU_07830	hypO	665	796	793	1589	274	839	1113	1.4273	0.441811	20	0.030075	21	0.031578947
BSU_03060	lctP	1625	1423	1361	2784	1206	1361	2567	1.0845	0.441907	42	0.025846	47	0.028923077
BSU_03250	ycgR	884	1023	1348	2371	1720	1054	2774	0.8548	0.441961	34	0.038462	34	0.038461538
BSU_18600	yozQ	293	530	286	816	399	291	690	1.1823	0.442028	17	0.05802	18	0.061433447
BSU_26400	yrkS	164	1305	275	1580	966	410	1376	1.1481	0.442216	13	0.079268	11	0.067073171
BSU_10290	yhfN	1280	1341	1759	3100	1429	965	2394	1.2948	0.442274	41	0.032031	46	0.0359375
BSU_30190	biol	1187	2091	1617	3708	1732	1225	2957	1.2539	0.442634	44	0.037068	50	0.042122999
BSU_14220	ahpA	542	402	701	1103	601	603	1204	0.9162	0.442657	24	0.04428	25	0.046125461
BSU_01570	pdaB	764	3166	2115	5281	1912	2251	4163	1.2685	0.442777	52	0.068063	55	0.071989529
BSU_04540	ydbO	872	1274	1683	2957	1211	1880	3091	0.9567	0.442817	43	0.049312	43	0.049311927
BSU_37960	ywdH	1370	959	928	1887	583	731	1314	1.4357	0.442833	35	0.025547	37	0.027007299
BSU_05408	ydzP	179	1533	2204	3737	1894	1935	3829	0.976	0.44293	21	0.117318	22	0.122905028
BSU_39270	bglP	1829	5536	3910	9446	5281	4012	9293	1.0165	0.443073	78	0.042646	81	0.044286495
BSU_23450	sigF	767	597	518	1115	657	403	1060	1.0518	0.443104	22	0.028683	25	0.032594524
BSU_33010	cssR	677	698	740	1438	867	830	1697	0.8475	0.443491	33	0.048744	32	0.047267356
BSU_19350	yocS	965	1501	1499	3000	1547	1271	2818	1.0646	0.443619	48	0.049741	54	0.055958549
BSU_15410	ylmH	773	507	1066	1573	480	579	1059	1.4849	0.443714	19	0.02458	22	0.028460543

BSU_00630	yabR	386	385	234	619	240	829	1069	0.5794	0.443809	16	0.041451	14	0.03626943
BSU_23660	yqkB	323	439	477	916	618	254	872	1.0504	0.443919	10	0.03096	10	0.030959752
BSU_06750	yefC	335	5726	4238	9964	4574	4869	9443	1.0552	0.44407	40	0.119403	42	0.125373134
BSU_33360	ltaSP	1853	2298	2663	4961	2277	3371	5648	0.8784	0.444315	86	0.046411	88	0.047490556
BSU_29990	pbuO	1298	764	1229	1993	761	620	1381	1.4428	0.444444	41	0.031587	44	0.033898305
BSU_27080	levR	2807	4521	3590	8111	3637	3429	7066	1.1479	0.444891	125	0.044532	138	0.049162807
BSU_18010	yneN	512	2240	1185	3425	1614	1038	2652	1.2914	0.44517	25	0.048828	29	0.056640625
BSU_06520	purH	1538	1090	1278	2368	1184	544	1728	1.3702	0.445235	37	0.024057	39	0.025357607
BSU_09700	bmrB	161	229	67	296	28	50	78	3.7595	0.44531	5	0.031056	6	0.037267081
BSU_23410	spoVAD	1016	841	536	1377	806	724	1530	0.9001	0.445349	33	0.03248	32	0.031496063
BSU_04080	pxpB	722	2484	3031	5515	2260	2681	4941	1.1161	0.445377	36	0.049861	43	0.059556787
BSU_37260	narJ	554	2248	1925	4173	1774	2530	4304	0.9696	0.445665	27	0.048736	25	0.045126354
BSU_39640	tpeL	773	980	1831	2811	1604	1269	2873	0.9784	0.445829	28	0.036223	29	0.037516171
BSU_30860	yticA	1286	1870	1252	3122	1115	2017	3132	0.9968	0.445983	40	0.031104	45	0.034992224
BSU_18700	yoaQ	356	814	995	1809	691	456	1147	1.5767	0.446111	16	0.044944	17	0.047752809
BSU_40180	liaD	149	3735	4541	8276	5282	3458	8740	0.9469	0.446152	18	0.120805	17	0.11409396
BSU_23250	ribH	464	529	431	960	427	208	635	1.511	0.446173	17	0.036638	20	0.043103448
BSU_10370	bioY	560	739	428	1167	325	553	878	1.3288	0.44646	19	0.033929	20	0.035714286
BSU_37140	ywjG	521	1060	434	1494	838	494	1332	1.1215	0.446497	22	0.042226	25	0.047984645
BSU_40460	yyzB	203	3298	2755	6053	2621	1816	4437	1.3641	0.446517	19	0.093596	20	0.098522167
BSU_38230	vbfB	308	307	258	565	422	393	815	0.6936	0.446868	12	0.038961	12	0.038961039
BSU_29380	tcyJ	809	1548	1466	3014	1031	1067	2098	1.4364	0.447048	44	0.054388	44	0.054388133
BSU_10530	ntdC	1052	4760	4497	9257	4830	5473	10303	0.8985	0.447128	107	0.101711	115	0.109315589
BSU_19180	desE	1058	3499	1979	5478	2157	2097	4254	1.2877	0.44725	59	0.055766	65	0.061436673
BSU_18330	ppsB	7682	16675	15100	31775	15076	12171	27247	1.1662	0.447378	405	0.052721	425	0.055324134
BSU_13360	ykoP	551	644	521	1165	274	486	760	1.5322	0.447563	20	0.036298	22	0.039927405
BSU_39750	iolB	815	5019	3338	8357	4133	4065	8198	1.0194	0.447832	67	0.082209	69	0.084662577
BSU_17845	yyzP	347	1052	607	1659	670	558	1228	1.3507	0.447936	24	0.069164	27	0.077809798
BSU_37800	bslB	464	554	1045	1599	1401	776	2177	0.7346	0.448004	20	0.043103	22	0.047413793
BSU_26820	yrpD	707	1967	2120	4087	1799	2119	3918	1.0431	0.44806	51	0.072136	53	0.074964639
BSU_05980	tatAY	173	65	141	206	14	250	264	0.7811	0.448139	5	0.028902	6	0.034682081

BSU_02340	gltP	1244	2421	2214	4635	2476	1802	4278	1.0834	0.448346	55	0.044212	60	0.048231511
BSU_25930	yqcE	164	349	230	579	321	290	611	0.9477	0.448413	12	0.073171	11	0.067073171
BSU_11798		233	694	1310	2004	785	1512	2297	0.8725	0.448535	17	0.072961	20	0.08583691
BSU_32650	yurS	275	736	455	1191	720	582	1302	0.9148	0.448702	16	0.058182	17	0.061818182
BSU_39400	pdp	1301	1638	1777	3415	1881	1497	3378	1.0109	0.448988	42	0.032283	42	0.032282859
BSU_misc_R	mnrW	133	175	6	181	53	83	136	1.3285	0.449082	4	0.030075	4	0.030075188
BSU_28290	ilvC	1028	1057	1509	2566	1149	678	1827	1.4043	0.449218	42	0.040856	45	0.043774319
BSU_14110	ykuK	518	1593	868	2461	1016	2744	3760	0.6546	0.449313	29	0.055985	28	0.054054054
BSU_27729	yrzS	200	182	437	619	40	279	319	1.9375	0.449542	10	0.05	12	0.06
BSU_08090	acoL	1376	1281	2424	3705	1327	1459	2786	1.3297	0.449573	36	0.026163	39	0.028343023
BSU_38370	glxA	380	447	563	1010	563	503	1066	0.9475	0.44976	16	0.042105	16	0.042105263
BSU_09790	yheB	1133	1446	1442	2888	846	743	1589	1.817	0.450003	32	0.028244	38	0.033539276
BSU_16880	ymfJ	257	451	226	677	454	377	831	0.8149	0.450346	15	0.058366	14	0.054474708
BSU_26140	yqbE	935	1805	2385	4190	2057	2228	4285	0.9778	0.45047	65	0.069519	68	0.072727273
BSU_09090	yhcI	941	1987	2091	4078	1627	1369	2996	1.361	0.450589	50	0.053135	57	0.060573858
BSU_10400	yhxC	857	1884	2310	4194	1404	1745	3149	1.3317	0.450609	33	0.038506	38	0.044340723
BSU_10520	glcP	1205	7557	7657	15214	6478	6432	12910	1.1785	0.450623	155	0.128631	161	0.133609959
BSU_14740	sigQ	293	798	369	1167	890	588	1478	0.7897	0.450629	16	0.054608	17	0.058020478
BSU_29960	ytIP	551	881	722	1603	526	493	1019	1.5725	0.450686	22	0.039927	24	0.043557169
BSU_07030	yesU	662	730	449	1179	547	946	1493	0.7898	0.450743	16	0.024169	14	0.021148036
BSU_32539		137	273	347	620	325	280	605	1.0248	0.450884	6	0.043796	6	0.04379562
BSU_03550	ycxC	938	1804	1953	3757	2629	1489	4118	0.9124	0.450892	39	0.041578	43	0.045842217
BSU_05110	sufLC	593	16267	15305	31572	16057	16492	32549	0.97	0.451555	99	0.166948	101	0.170320405
BSU_06330	yeaC	962	2552	1761	4313	2523	2515	5038	0.8561	0.451586	42	0.043659	42	0.043659044
BSU_03080	ycgE	464	464	314	778	373	340	713	1.091	0.451591	13	0.028017	13	0.028017241
BSU_03510	srfAC	3827	5243	3894	9137	3556	4723	8279	1.1036	0.45181	116	0.030311	123	0.032140057
BSU_02220	ybfI	827	4238	4100	8338	3873	4305	8178	1.0196	0.451965	53	0.064087	56	0.067714631
BSU_24430	spolIIA	923	1379	1867	3246	1427	1188	2615	1.2412	0.452158	30	0.032503	32	0.034669556
BSU_02050	ybdO	1184	5618	4194	9812	4971	4567	9538	1.0287	0.452218	80	0.067568	85	0.071790541
BSU_31570	nupQ	959	1752	1920	3672	1919	1522	3441	1.0671	0.452352	50	0.052138	55	0.057351408
BSU_14050	ppeE	860	2338	1042	3380	1210	908	2118	1.5956	0.452535	39	0.045349	42	0.048837209

BSU_36530	bcrC	581	537	632	1169	810	1557	2367	0.4941	0.452546	27	0.046472	25	0.04302926
BSU_30970	glgC	1142	853	1077	1930	958	1201	2159	0.894	0.452679	45	0.039405	45	0.039404553
BSU_00390	dayD	767	1633	1243	2876	1035	1267	2302	1.2492	0.452727	38	0.049544	47	0.061277705
BSU_02420	glnT	1436	1898	2537	4435	2121	1868	3989	1.1118	0.45289	55	0.038301	56	0.038997214
BSU_25150	yqfQ	743	777	411	1188	488	369	857	1.3858	0.453095	20	0.026918	21	0.028263795
BSU_10670	gerPF	218	544	838	1382	533	443	976	1.4156	0.453431	14	0.06422	18	0.082568807
BSU_03359	yczL	185	1054	487	1541	648	611	1259	1.2238	0.453516	6	0.032432	6	0.032432432
BSU_27720	queA	1028	254	493	747	233	256	489	1.5265	0.453556	23	0.022374	24	0.023346304
BSU_04420	ydbC	359	832	651	1483	760	819	1579	0.9392	0.454048	23	0.064067	22	0.061281337
BSU_28800	araA	1490	1108	1762	2870	1868	1621	3489	0.8226	0.454407	43	0.028859	41	0.027516779
BSU_38630	katX	1643	2738	1832	4570	2193	2217	4410	1.0363	0.454411	53	0.032258	53	0.032258065
BSU_32940	feuV	827	476	234	710	576	223	799	0.8888	0.454451	16	0.019347	18	0.021765417
BSU_17120	pksE	2303	4296	5162	9458	5242	4521	9763	0.9688	0.454459	127	0.055145	128	0.055579679
BSU_03910	gabD	1388	2447	1213	3660	1238	1050	2288	1.5994	0.454587	50	0.036023	56	0.040345821
BSU_38060	nirC	770	193	361	554	178	272	450	1.2306	0.454651	11	0.014286	12	0.015584416
BSU_33230	sigO	530	536	847	1383	493	493	986	1.4022	0.454715	16	0.030189	17	0.032075472
BSU_32430	pucJ	1349	2191	1278	3469	1189	1431	2620	1.3239	0.455115	36	0.026686	36	0.026686434
BSU_27120	sigV	500	573	485	1058	831	469	1300	0.814	0.455165	20	0.04	20	0.04
BSU_29640	msrC	491	228	869	1097	253	518	771	1.4223	0.455246	18	0.03666	18	0.036659878
BSU_39810	csbC	1385	4659	4694	9353	5208	4928	10136	0.9228	0.455356	62	0.044765	64	0.046209386
BSU_36499		167	310	500	810	383	342	725	1.1171	0.455425	13	0.077844	13	0.077844311
BSU_08910	queG	1160	818	311	1129	556	302	858	1.3155	0.455441	19	0.016379	21	0.018103448
BSU_28180	ysxD	497	788	1222	2010	490	1019	1509	1.3318	0.455974	20	0.040241	21	0.042253521
BSU_37400	albD	1310	3402	3764	7166	3544	3579	7123	1.006	0.456043	60	0.045802	61	0.046564885
BSU_35699	yvzE	596	2222	2687	4909	2523	2385	4908	1.0002	0.456307	26	0.043624	28	0.046979866
BSU_41040	oxaAA	785	9626	10131	19757	12001	9079	21080	0.9372	0.456949	78	0.099363	79	0.100636943
BSU_misc_R	swdA	168	539	918	1457	324	1024	1348	1.0808	0.45698	19	0.113095	20	0.119047619
BSU_22080	ypwA	1505	1505	2844	4349	1540	1139	2679	1.6231	0.457521	50	0.033223	55	0.03654485
BSU_25060	yqfZ	299	1088	414	1502	578	332	910	1.6498	0.457709	18	0.060201	20	0.066889632
BSU_35540	tuaH	1193	5663	5876	11539	5474	5645	11119	1.0378	0.457942	87	0.072925	86	0.072087175
BSU_33530	iolW	1076	4652	2025	6677	2144	2793	4937	1.3524	0.458086	57	0.052974	64	0.059479554

BSU_09959	sscB	86	204	258	462	304	137	441	1.0475	0.458615	7	0.081395	7	0.081395349
BSU_28600	yshB	533	856	1041	1897	879	691	1570	1.2081	0.459051	29	0.054409	30	0.056285178
BSU_33710	opuBC	920	2312	1036	3348	3257	1809	5066	0.6609	0.459101	39	0.042391	36	0.039130435
BSU_12730	xkdT	1046	1192	1044	2236	784	1251	2035	1.0987	0.459653	29	0.027725	30	0.028680688
BSU_04120	yczI	245	1122	1808	2930	526	1749	2275	1.2878	0.459684	23	0.093878	24	0.097959184
BSU_10850	ioIX	1028	966	1492	2458	1119	1233	2352	1.045	0.459838	33	0.032101	36	0.035019455
BSU_00590	hslR	260	535	530	1065	763	537	1300	0.8194	0.459905	22	0.084615	21	0.080769231
BSU_05380	ydfE	623	2745	2950	5695	3426	3243	6669	0.854	0.459988	55	0.088283	56	0.08988764
BSU_01960	skfF	1343	9835	13280	23115	10608	12582	23190	0.9968	0.460007	131	0.097543	144	0.107222636
BSU_05210	ydeI	593	1889	1332	3221	2155	1699	3854	0.8358	0.460403	39	0.065767	38	0.064080944
BSU_29480	ytXK	989	790	858	1648	551	360	911	1.8081	0.460411	22	0.022245	26	0.026289181
BSU_05410	ydfH	1223	2998	2814	5812	2027	2442	4469	1.3004	0.460487	76	0.062142	83	0.067865904
BSU_38030	ywdA	248	1038	306	1344	916	293	1209	1.1116	0.460493	12	0.048387	12	0.048387097
BSU_26670	gltR	890	2117	2319	4436	2041	2054	4095	1.0833	0.460648	74	0.083146	75	0.084269663
BSU_19745		155	757	757	1514	533	525	1058	1.4306	0.460736	10	0.064516	11	0.070967742
BSU_09340	azr	524	466	604	1070	666	705	1371	0.7806	0.460782	23	0.043893	22	0.041984733
BSU_02530	rtpA	161	549	191	740	276	256	532	1.3902	0.460869	7	0.043478	7	0.043478261
BSU_35480	fakBA	845	3887	4217	8104	3477	2870	6347	1.2768	0.460899	60	0.071006	64	0.075739645
BSU_39880	yxbC	992	6665	4768	11433	7096	6199	13295	0.86	0.460933	93	0.09375	96	0.096774194
BSU_03210	putC	1547	1748	1726	3474	1593	2082	3675	0.9453	0.461063	52	0.033613	56	0.036199095
BSU_12800	xhlB	263	314	130	444	116	205	321	1.382	0.46116	6	0.022814	7	0.02661597
BSU_misc_R	tboWA	214	0	36	36	0	169	169	0.2176	0.461178	3	0.014019	3	0.014018692
BSU_16700	ylxY	959	1118	1188	2306	484	739	1223	1.8848	0.461195	35	0.036496	40	0.041710115
BSU_31810	yuzE	389	1235	1193	2428	1110	1470	2580	0.9411	0.461424	22	0.056555	23	0.059125964
BSU_38420	sacY	842	1030	1058	2088	694	992	1686	1.2383	0.461484	40	0.047506	42	0.049881235
BSU_38810	msmX	1097	2059	3179	5238	1548	2957	4505	1.1627	0.461596	44	0.040109	47	0.04284412
BSU_07090	yetA	2573	2523	3388	5911	2771	2501	5272	1.1212	0.461767	70	0.027206	78	0.030314808
BSU_37430	albG	701	762	1172	1934	1243	1189	2432	0.7953	0.461819	36	0.051355	37	0.05278174
BSU_tRNA_8	trnSL-V ₂	72	11	2	13	86	9	95	0.1458	0.462051	2	0.027778	2	0.027777778
BSU_21990	ypdQ	398	423	298	721	486	565	1051	0.6863	0.462169	12	0.030151	12	0.030150754
BSU_09660	yheN	848	576	618	1194	462	443	905	1.319	0.462466	25	0.029481	26	0.030660377

BSU_08040	yfjM	452	566	509	1075	603	691	1294	0.8309	0.462574	15	0.033186	16	0.03539823
BSU_36100	hpxW	1577	2361	2085	4446	2223	1387	3610	1.2315	0.462576	46	0.029169	50	0.03170577
BSU_06590	yerD	1577	2204	2198	4402	1581	2074	3655	1.2043	0.462581	62	0.039315	65	0.041217502
BSU_14430	ykpA	1622	1004	1933	2937	1392	1040	2432	1.2076	0.462605	55	0.033909	59	0.036374846
BSU_39030	yxiTn	242	1030	1456	2486	721	1087	1808	1.3748	0.4628	18	0.07438	19	0.078512397
BSU_33620	estA	740	926	990	1916	605	872	1477	1.297	0.462899	36	0.048649	37	0.05
BSU_40650	yybG	839	20664	23419	44083	24307	22302	46609	0.9458	0.46296	56	0.066746	59	0.070321812
BSU_12210	cypE	1190	687	906	1593	828	459	1287	1.2376	0.462988	30	0.02521	33	0.027731092
BSU_11040	yitM	584	834	678	1512	678	948	1626	0.9299	0.463067	18	0.030822	18	0.030821918
BSU_11620	yjbO	851	384	553	937	219	1110	1329	0.7053	0.463433	17	0.019976	18	0.021151586
BSU_01600	eesA	752	1142	912	2054	1112	973	2085	0.9851	0.463556	29	0.038564	31	0.041223404
BSU_39100	yxiO	1286	4742	5399	10141	4239	3738	7977	1.2712	0.463646	81	0.062986	85	0.066096423
BSU_09060	yhcF	365	185	155	340	197	85	282	1.2049	0.463666	9	0.024658	9	0.024657534
BSU_02410	ybgG	947	2721	1831	4552	2466	1282	3748	1.2145	0.463713	35	0.036959	36	0.038014784
BSU_18140	ynfE	263	939	451	1390	379	640	1019	1.3637	0.463791	16	0.060837	18	0.068441065
BSU_12070	yjdJ	329	1272	814	2086	948	822	1770	1.1784	0.463828	28	0.085106	30	0.09118541
BSU_35030	nagR	731	1018	1363	2381	1013	1487	2500	0.9524	0.463907	41	0.056088	40	0.054719562
BSU_17060	ymzD	455	593	519	1112	647	497	1144	0.9721	0.463939	29	0.063736	28	0.061538462
BSU_03940	cutI	614	386	194	580	134	142	276	2.0975	0.464198	14	0.022801	15	0.024429967
BSU_23550	mleA	1319	847	1312	2159	977	740	1717	1.2573	0.464277	39	0.029568	42	0.031842305
BSU_32040	hisP	1328	1181	1681	2862	1140	936	2076	1.3784	0.464433	52	0.039157	58	0.043674699
BSU_08270	yfiH	941	1044	1171	2215	1112	918	2030	1.0911	0.46454	29	0.030818	30	0.031880978
BSU_23750	yqjT	386	565	156	721	360	238	598	1.2053	0.464714	11	0.028497	11	0.028497409
BSU_05390	ydfF	680	1050	890	1940	919	914	1833	1.0583	0.464931	37	0.054412	37	0.054411765
BSU_33580	yvaF	572	1870	2413	4283	1999	1649	3648	1.174	0.464936	38	0.066434	42	0.073426573
BSU_35040	yvnB	3869	9841	9053	18894	10458	8954	19412	0.9733	0.465193	194	0.050142	202	0.052209873
BSU_40540	hypR	377	4861	3915	8776	4918	3667	8585	1.0222	0.465214	30	0.079576	29	0.076923077
BSU_10470	yhjD	362	1026	1307	2333	790	1139	1929	1.2093	0.46552	24	0.066298	25	0.069060773
BSU_misc_R	kswC	179	21	597	618	102	177	279	2.2107	0.466226	6	0.03352	7	0.039106145
BSU_07340	mtrA	1385	1729	2035	3764	1594	1391	2985	1.2609	0.466235	52	0.037545	56	0.040433213
BSU_09710	bmrC	1757	1172	1314	2486	1138	1246	2384	1.0428	0.466255	50	0.028458	51	0.02902675

BSU_05940	tsaD	1040	89	75	164	128	16	144	1.1379	0.466545	8	0.007692	8	0.007692308
BSU_23870	polYA	1244	1230	886	2116	769	1103	1872	1.1303	0.466653	35	0.028135	36	0.028938907
BSU_24420	spolIAB	515	311	198	509	213	339	552	0.9222	0.466731	12	0.023301	12	0.023300971
BSU_31090	ktrA	668	1536	1293	2829	1751	1851	3602	0.7855	0.466952	40	0.05988	39	0.058383234
BSU_07510	fecD	1001	1927	1393	3320	1779	1191	2970	1.1178	0.467	46	0.045954	46	0.045954046
BSU_34160	ganS	1265	1045	999	2044	937	905	1842	1.1096	0.467296	27	0.021344	28	0.022134387
BSU_18340	ppsA	7685	12563	11687	24250	14132	10782	24914	0.9733	0.467557	316	0.041119	317	0.041249187
BSU_07210	yetK	992	1281	1925	3206	1657	1382	3039	1.0549	0.467629	36	0.03629	38	0.038306452
BSU_05790	ydhK	617	1941	1474	3415	1484	1535	3019	1.1311	0.467724	32	0.051864	34	0.055105348
BSU_37089		161	33	118	151	2	53	55	2.7143	0.467929	5	0.031056	5	0.031055901
BSU_10350	yhfS	1094	886	1252	2138	1301	680	1981	1.0792	0.467962	25	0.022852	27	0.024680073
BSU_33590	yvaG	794	776	564	1340	523	757	1280	1.0468	0.468483	24	0.030227	28	0.035264484
BSU_03260	ycgS	854	741	941	1682	835	930	1765	0.953	0.468485	24	0.028103	27	0.031615925
BSU_misc_R	kswB	179	224	351	575	122	283	405	1.4187	0.468613	8	0.044693	10	0.055865922
BSU_29720	motS	728	738	925	1663	636	666	1302	1.2771	0.46878	17	0.023352	17	0.023351648
BSU_14410	sipT	581	796	1068	1864	630	577	1207	1.5439	0.469184	25	0.043029	28	0.048192771
BSU_40022	yxuC	692	2864	2459	5323	2444	2604	5048	1.0545	0.469378	38	0.054913	39	0.056358382
BSU_03710	gerKC	1223	2900	5892	8792	2533	3741	6274	1.4013	0.469436	62	0.050695	67	0.05478332
BSU_30010	ythP	710	904	944	1848	1386	761	2147	0.8608	0.469624	25	0.035211	25	0.035211268
BSU_38210	ywcD	383	1349	1769	3118	1946	1554	3500	0.8909	0.469668	32	0.083551	30	0.078328982
BSU_38390	ywbA	1334	1613	840	2453	763	909	1672	1.4668	0.469935	28	0.02099	31	0.023238381
BSU_03270	ffoR	1010	1268	952	2220	885	865	1750	1.2684	0.469973	32	0.031683	34	0.033663366
BSU_35370	csrA	224	193	418	611	539	296	835	0.7321	0.469991	10	0.044643	12	0.053571429
BSU_38590	licB	308	926	1145	2071	753	779	1532	1.3516	0.470078	23	0.074675	23	0.074675325
BSU_12539	yzkK	167	272	109	381	394	134	528	0.7221	0.470147	7	0.041916	6	0.035928144
BSU_11600	relP	635	625	106	731	434	605	1039	0.7038	0.470195	20	0.031496	19	0.02992126
BSU_19510	yojB	236	281	397	678	263	253	516	1.3133	0.470247	16	0.067797	17	0.072033898
BSU_01935	skfC	1490	7951	8826	16777	6210	7429	13639	1.2301	0.470302	145	0.097315	148	0.099328859
BSU_34080	yvfS	737	2635	1997	4632	2485	1730	4215	1.0989	0.470869	50	0.067843	56	0.075983718
BSU_32220	yutI	335	437	479	916	610	455	1065	0.8602	0.470875	18	0.053731	18	0.053731343
BSU_24440	yqhV	281	362	162	524	42	279	321	1.6304	0.471066	8	0.02847	9	0.03202847

BSU_15440	yla	374	96	438	534	81	271	352	1.5156	0.471146	10	0.026738	11	0.029411765
BSU_19430	cdaS	623	1399	664	2063	1040	1407	2447	0.8431	0.471156	30	0.048154	30	0.048154093
BSU_06500	purM	1040	952	973	1925	1043	1092	2135	0.9017	0.471223	27	0.025962	26	0.025
BSU_24150	mmgC	1139	866	758	1624	548	666	1214	1.3374	0.471233	31	0.027217	34	0.029850746
BSU_32080	yuiB	320	341	106	447	178	162	340	1.3138	0.471369	11	0.034375	13	0.040625
BSU_09910	yhaO	1226	1806	1569	3375	716	1398	2114	1.5962	0.471451	40	0.032626	44	0.03588907
BSU_21710	dinF	1337	1769	1690	3459	1527	1682	3209	1.0779	0.471653	65	0.048616	69	0.051608078
BSU_24550	gcvPB	1466	1772	1504	3276	1800	1448	3248	1.0086	0.471715	53	0.036153	58	0.039563438
BSU_28780	araD	689	778	1209	1987	671	3304	3975	0.5	0.471716	27	0.039187	28	0.040638607
BSU_40600	yybL	710	67927	75744	143671	66670	80469	147139	0.9764	0.471823	191	0.269014	190	0.267605634
BSU_14420	ykoA	269	767	704	1471	1042	558	1600	0.9194	0.471879	19	0.070632	19	0.07063197
BSU_19750	cgeE	779	1470	2084	3554	1219	1322	2541	1.3985	0.471886	47	0.060334	53	0.068035944
BSU_06600	pcrB	686	937	482	1419	530	842	1372	1.0342	0.472183	29	0.042274	31	0.045189504
BSU_23340	ypuB	203	184	239	423	201	58	259	1.6308	0.47229	7	0.034483	9	0.044334975
BSU_31289		134	0	4	4	15	2	17	0.2778	0.47236	2	0.014925	2	0.014925373
BSU_tRNA_4	trnS-Ser	90	23	0	23	41	0	41	0.5714	0.472501	2	0.022222	2	0.022222222
BSU_38830	aldY	1457	1895	3358	5253	1487	3463	4950	1.0612	0.472524	41	0.02814	44	0.030199039
BSU_32120	yuzG	140	123	235	358	81	212	293	1.2211	0.472681	8	0.057143	9	0.064285714
BSU_misc_R	gswC	102	270	122	392	223	77	300	1.3056	0.472687	8	0.078431	9	0.088235294
BSU_36340	ywpE	308	813	464	1277	439	638	1077	1.1855	0.472703	12	0.038961	14	0.045454545
BSU_12720	xkdS	425	447	437	884	575	345	920	0.9609	0.472746	17	0.04	17	0.04
BSU_31910	yukE	293	272	243	515	610	338	948	0.5437	0.472803	11	0.037543	10	0.034129693
BSU_07080	rhgZ	1991	2027	1783	3810	1329	1606	2935	1.298	0.472844	44	0.022099	49	0.024610748
BSU_27680	yrbG	656	514	1091	1605	918	803	1721	0.9326	0.472872	34	0.051829	34	0.051829268
BSU_37860	spsF	722	1975	1971	3946	1933	2589	4522	0.8727	0.472941	32	0.044321	32	0.04432133
BSU_30950	glgA	1454	1410	1160	2570	1291	1927	3218	0.7987	0.472948	58	0.03989	57	0.039202201
BSU_17320	ymaF	413	744	687	1431	717	842	1559	0.9179	0.473195	19	0.046005	20	0.04842615
BSU_38450	tyrZR	515	1731	1023	2754	578	1297	1875	1.4686	0.473344	19	0.036893	21	0.040776699
BSU_23600	yqxK	1163	1053	789	1842	951	865	1816	1.0143	0.47336	35	0.030095	37	0.031814273
BSU_16390	flhA	2033	3096	4296	7392	2567	2273	4840	1.5272	0.473363	88	0.043286	92	0.04525332
BSU_09920	sbcE	2891	2843	3090	5933	1478	2642	4120	1.4399	0.473383	85	0.029402	94	0.032514701

BSU_39029	yxITc	428	3694	5225	8919	4291	4847	9138	0.976	0.47375	38	0.088785	40	0.093457944
BSU_40139	yyzN	158	6251	5501	11752	5087	5224	10311	1.1397	0.473867	28	0.177215	28	0.17721519
BSU_37200	uvsE	962	979	664	1643	1049	1015	2064	0.7961	0.474032	30	0.031185	28	0.029106029
BSU_38470	eapD	1367	2422	3300	5722	2398	1409	3807	1.5029	0.474305	47	0.034382	54	0.03950256
BSU_09650	srtN	743	139	283	422	41	229	270	1.5609	0.47445	8	0.010767	9	0.012113055
BSU_06079	ydZWm	119	921	949	1870	1346	870	2216	0.8439	0.474574	14	0.117647	13	0.109243697
BSU_14460	ykpC	134	203	67	270	107	44	151	1.7829	0.474653	6	0.044776	7	0.052238806
BSU_25580	comEB	569	499	447	946	484	361	845	1.1194	0.474697	26	0.045694	28	0.049209139
BSU_25500	hemN	1139	960	1252	2212	729	650	1379	1.6036	0.474708	40	0.035119	45	0.039508341
BSU_25820	yqcl	764	1937	1789	3726	1521	1635	3156	1.1806	0.474844	61	0.079843	64	0.083769634
BSU_11450	oppC	917	1476	2003	3479	1750	976	2726	1.2761	0.474893	47	0.051254	49	0.053435115
BSU_31900	yukD	239	682	1584	2266	846	790	1636	1.3849	0.474951	18	0.075314	19	0.079497908
BSU_26500	yrkl	227	322	780	1102	609	418	1027	1.073	0.475086	17	0.07489	18	0.079295154
BSU_36640	ureC	1709	1600	1822	3422	1886	1288	3174	1.0781	0.47537	47	0.027501	50	0.029256875
BSU_33222	rsoA	239	379	284	663	428	245	673	0.9852	0.475602	13	0.054393	12	0.050209205
BSU_12050	yjdH	395	699	746	1445	563	628	1191	1.2131	0.475622	23	0.058228	26	0.065822785
BSU_14890	ctaC	1070	944	1095	2039	1020	749	1769	1.1525	0.475994	35	0.03271	35	0.03271028
BSU_24740	yqxL	953	980	834	1814	1077	1007	2084	0.8705	0.476177	39	0.040923	40	0.041972718
BSU_11920	yjcN	320	2185	2738	4923	2748	2046	4794	1.0269	0.476331	35	0.109375	33	0.103125
BSU_17280	ymaD	452	469	555	1024	411	363	774	1.3226	0.476379	13	0.028761	15	0.033185841
BSU_15660	yloC	875	740	492	1232	294	1209	1503	0.8198	0.476404	25	0.028571	26	0.029714286
BSU_06078	ydZW	197	854	707	1561	1130	1157	2287	0.6827	0.476593	18	0.091371	18	0.091370558
BSU_35990	ywrO	527	741	665	1406	803	618	1421	0.9895	0.476917	32	0.060721	32	0.060721063
BSU_03150	aroK	560	190	88	278	59	182	241	1.1529	0.477128	13	0.023214	13	0.023214286
BSU_08740	ygzB	353	646	1183	1829	670	856	1526	1.1984	0.477146	30	0.084986	28	0.079320113
BSU_39260	bglH	1409	5846	6738	12584	5932	7101	13033	0.9656	0.477247	84	0.059617	89	0.063165366
BSU_07380	yfmQ	446	777	946	1723	554	892	1446	1.1914	0.477249	25	0.056054	27	0.060538117
BSU_12970	ldcA	959	832	520	1352	878	709	1587	0.852	0.477349	31	0.032325	32	0.033368092
BSU_33510	copZ	209	208	53	261	136	118	254	1.0275	0.477447	6	0.028708	6	0.028708134
BSU_25590	comEA	617	525	492	1017	794	317	1111	0.9155	0.477637	19	0.030794	20	0.032414911
BSU_36220	ywqG	785	834	872	1706	943	656	1599	1.0669	0.47778	25	0.031847	27	0.034394904

BSU_40160	liaK	758	42693	48447	91140	47043	47646	94689	0.9625	0.477835	156	0.205805	158	0.208443272
BSU_12590	xkdE	1487	1429	1713	3142	1203	1466	2669	1.1772	0.477846	53	0.035642	59	0.039677202
BSU_32780	yusF	440	1284	929	2213	1466	945	2411	0.9179	0.477864	22	0.05	22	0.05
BSU_25100	zur	437	231	379	610	531	396	927	0.6584	0.478267	20	0.045767	20	0.04576659
BSU_39590	yxed	353	1339	1075	2414	1186	1845	3031	0.7965	0.478369	17	0.048159	16	0.045325779
BSU_36010	alsS	1712	2136	1372	3508	2246	1551	3797	0.9239	0.478481	51	0.02979	50	0.029205607
BSU_08770	ygzA	203	116	232	348	203	114	317	1.0975	0.478506	9	0.044335	9	0.044334975
BSU_38140	qoxD	374	19	15	34	2	23	25	1.3462	0.478514	4	0.010695	4	0.010695187
BSU_14910	ctaE	623	296	517	813	540	372	912	0.8916	0.478664	18	0.028892	17	0.027287319
BSU_37630	ywfM	890	471	845	1316	519	936	1455	0.9045	0.478816	28	0.031461	28	0.031460674
BSU_37760	rocC	1412	2791	2128	4919	1882	2175	4057	1.2124	0.478842	59	0.041785	66	0.04674221
BSU_32970	yusYn	290	303	38	341	124	164	288	1.1834	0.478864	8	0.027586	7	0.024137931
BSU_23519	yqzK	227	96	277	373	220	167	387	0.9639	0.479166	10	0.044053	10	0.044052863
BSU_31710	comQ	899	12944	12835	25779	16211	11159	27370	0.9419	0.479398	159	0.176863	161	0.179087875
BSU_38930	yxjJ	263	1304	1106	2410	1277	1151	2428	0.9926	0.479405	26	0.098859	22	0.08365019
BSU_05740	phoB	1388	2472	2254	4726	2530	2199	4729	0.9994	0.479517	66	0.04755	73	0.05259366
BSU_26610	yrkA	1304	3677	2639	6316	3169	1942	5111	1.2357	0.479668	93	0.071319	101	0.077453988
BSU_27520	cymR	416	21	398	419	0	446	446	0.9396	0.480105	13	0.03125	12	0.028846154
BSU_40260	yycQ	248	5106	3557	8663	7082	3766	10848	0.7986	0.480356	36	0.145161	37	0.149193548
BSU_05250	ydeM	425	3694	2366	6060	2722	2441	5163	1.1737	0.48049	46	0.108235	46	0.108235294
BSU_19680	yoze	224	424	115	539	419	205	624	0.864	0.480602	13	0.058036	13	0.058035714
BSU_02910	yceE	578	309	381	690	135	229	364	1.8932	0.480624	12	0.020761	15	0.025951557
BSU_38570	licA	332	424	27	451	339	121	460	0.9805	0.480684	8	0.024096	7	0.021084337
BSU_38190	galT	1541	2187	2666	4853	2857	2280	5137	0.9447	0.480846	67	0.043478	68	0.04412719
BSU_35330	fliS	401	1916	2653	4569	3243	2315	5558	0.8221	0.480876	40	0.099751	43	0.10723192
BSU_35490	degU	689	1444	1335	2779	2087	1375	3462	0.8028	0.480886	49	0.071118	51	0.074020319
BSU_02240	mpr	941	2697	3265	5962	2345	3187	5532	1.0777	0.480898	59	0.062699	63	0.066950053
BSU_17760	yndE	1091	5396	4311	9707	5309	4155	9464	1.0257	0.480977	86	0.078827	91	0.083409716
BSU_39340	hutP	446	753	916	1669	542	1449	1991	0.8384	0.481426	18	0.040359	17	0.038116592
BSU_11120	yitT	842	1894	1390	3284	1372	2135	3507	0.9364	0.481866	48	0.057007	48	0.057007126
BSU_38480	relQ	632	1000	2222	3222	1405	1460	2865	1.1246	0.481949	43	0.068038	43	0.068037975

BSU_11055	yitO	929	1190	1105	2295	1185	1722	2907	0.7895	0.482165	37	0.039828	36	0.038751346
BSU_19689	yokU	278	739	440	1179	352	332	684	1.7226	0.482277	8	0.028777	10	0.035971223
BSU_09550	yhdP	1334	1273	1156	2429	1146	584	1730	1.4038	0.482304	37	0.027736	40	0.029985007
BSU_08550	sspK	152	63	210	273	24	38	62	4.3492	0.482304	3	0.019737	4	0.026315789
BSU_27070	levD	440	726	578	1304	438	349	787	1.6561	0.482564	21	0.047727	24	0.054545455
BSU_37840	spsI	740	3075	2663	5738	2658	3024	5682	1.0099	0.482822	51	0.068919	54	0.072972973
BSU_28900	pftB	695	754	438	1192	393	462	855	1.3937	0.48288	17	0.02446	17	0.024460432
BSU_38320	cidA	386	594	515	1109	700	564	1264	0.8775	0.482903	21	0.054404	20	0.051813472
BSU_33460	yvgT	608	1633	1412	3045	1023	1434	2457	1.2392	0.482905	32	0.052632	37	0.060855263
BSU_30850	ytdA	818	741	996	1737	583	904	1487	1.168	0.482964	36	0.04401	39	0.047677262
BSU_12510	xre	341	30	0	30	8	2	10	2.8182	0.483028	2	0.005865	2	0.005865103
BSU_11660	tenI	617	579	204	783	255	522	777	1.0077	0.483052	17	0.027553	18	0.02917342
BSU_02360	gamA	749	1187	1422	2609	1169	1295	2464	1.0588	0.483062	34	0.045394	40	0.053404539
BSU_06036	ydZT	128	866	1053	1919	825	629	1454	1.3196	0.483275	12	0.09375	12	0.09375
BSU_41030	jag	626	1526	2588	4114	4484	1517	6001	0.6856	0.483371	30	0.047923	31	0.049520767
BSU_05329	ydZO	185	1554	1679	3233	1421	1645	3066	1.0545	0.483596	23	0.124324	22	0.118918919
BSU_24770	mgsR	380	140	61	201	28	94	122	1.6423	0.483678	6	0.015789	6	0.015789474
BSU_31080	bslA	545	1249	1708	2957	1015	2050	3065	0.9648	0.483712	28	0.051376	29	0.053211009
BSU_35770	tagC	1328	8617	9090	17707	8318	8857	17175	1.031	0.483728	157	0.118223	160	0.120481928
BSU_08960	yhbF	707	1274	1108	2382	1245	1716	2961	0.8045	0.484073	32	0.045262	31	0.043847242
BSU_31560	nupP	1046	1641	1294	2935	1222	1636	2858	1.0269	0.484268	47	0.044933	50	0.047801147
BSU_07270	spmH	764	925	2152	3077	940	1254	2194	1.4023	0.484274	32	0.041885	37	0.048429319
BSU_26810	murl	797	2127	1742	3869	1351	1892	3243	1.193	0.484423	54	0.067754	58	0.072772898
BSU_25700	yqeF	731	1304	1342	2646	857	939	1796	1.473	0.48444	49	0.067031	55	0.075239398
BSU_40270	yycP	1163	8048	6528	14576	7073	7142	14215	1.0254	0.484489	68	0.058469	69	0.059329321
BSU_00170	yaal	545	4228	3397	7625	3191	3147	6338	1.203	0.484594	48	0.088073	51	0.093577982
BSU_06450	purC	725	707	838	1545	479	1107	1586	0.9742	0.48465	30	0.041379	29	0.04
BSU_11950	yjcQ	284	775	1248	2023	1062	1057	2119	0.9547	0.484666	34	0.119718	36	0.126760563
BSU_21850	rsmJ	773	587	1073	1660	785	799	1584	1.0479	0.484796	28	0.036223	29	0.037516171
BSU_26935		101	335	259	594	78	516	594	1	0.484805	6	0.059406	9	0.089108911
BSU_16320	fliY	1136	1364	1038	2402	685	470	1155	2.0787	0.485293	37	0.03257	41	0.036091549

BSU_08050	yfjL	689	3471	3785	7256	3050	6145	9195	0.7891	0.485484	58	0.08418	54	0.078374456
BSU_31980	dhbE	1619	2275	2139	4414	4620	1778	6398	0.69	0.48565	54	0.033354	56	0.034589253
BSU_33570	yvaE	359	530	581	1111	580	564	1144	0.9712	0.485778	16	0.044568	17	0.04735376
BSU_02450	glnL	944	1384	1066	2450	1167	670	1837	1.3335	0.485821	30	0.03178	35	0.037076271
BSU_06049	ydzV	359	3736	2610	6346	3850	2087	5937	1.0689	0.486081	34	0.094708	37	0.103064067
BSU_13160	ohrB	410	326	475	801	140	486	626	1.2791	0.486491	9	0.021951	9	0.02195122
BSU_28350	ysnB	509	457	701	1158	875	197	1072	1.0801	0.486623	14	0.027505	15	0.029469548
BSU_misc_R	tboTA	221	223	67	290	368	51	419	0.6929	0.486843	3	0.013575	3	0.013574661
BSU_21925		146	426	175	601	639	361	1000	0.6014	0.486895	11	0.075342	10	0.068493151
BSU_40620	yybJ	656	63617	66525	130142	55061	78828	133889	0.972	0.486998	142	0.216463	146	0.222560976
BSU_23810	yqjN	1643	1120	1320	2440	1539	1164	2703	0.9027	0.487002	51	0.031041	50	0.030432136
BSU_02930	yceG	1613	1631	2401	4032	928	2016	2944	1.3694	0.487102	54	0.033478	57	0.03533788
BSU_09980	yhal	341	604	502	1106	211	379	590	1.8731	0.487104	16	0.046921	17	0.049853372
BSU_15780	rsgA	896	6	36	42	4	2	6	6.1429	0.487321	3	0.003348	3	0.003348214
BSU_14072	yzkU	518	3931	3218	7149	2183	2748	4931	1.4497	0.487393	66	0.127413	80	0.154440154
BSU_34890	hisH	638	979	498	1477	505	641	1146	1.2886	0.487415	20	0.031348	22	0.034482759
BSU_24890	folN	563	1025	1363	2388	726	1088	1814	1.3163	0.48768	22	0.039076	23	0.040852575
BSU_33160	yvrA	1328	547	599	1146	784	282	1066	1.075	0.48785	30	0.02259	32	0.024096386
BSU_26910	yraK	815	1364	1573	2937	1498	1525	3023	0.9716	0.487908	33	0.040491	35	0.042944785
BSU_01790	ybbU	140	165	623	788	297	246	543	1.4504	0.488011	8	0.057143	9	0.064285714
BSU_09080	yhcH	917	356	245	601	524	341	865	0.6952	0.488012	18	0.019629	18	0.019629226
BSU_17550	ynaG	275	1857	715	2572	1337	1221	2558	1.0055	0.488193	31	0.112727	31	0.112727273
BSU_02560	ycbM	935	2345	2273	4618	1265	2282	3547	1.3019	0.4886	42	0.04492	47	0.05026738
BSU_39480	yxEO	749	2392	2379	4771	1748	1678	3426	1.3925	0.488631	31	0.041389	35	0.046728972
BSU_08310	bifL	935	983	946	1929	1009	934	1943	0.9928	0.488832	28	0.029947	28	0.029946524
BSU_33350	yvsG	482	1164	1383	2547	1014	1223	2237	1.1385	0.488914	28	0.058091	30	0.062240664
BSU_36170	nfi	716	709	860	1569	826	742	1568	1.0006	0.489116	31	0.043296	33	0.046089385
BSU_30000	ythQ	1157	1636	1390	3026	1882	1710	3592	0.8425	0.489153	52	0.044944	52	0.04494382
BSU_35940	rbsA	1481	1231	1559	2790	1263	1570	2833	0.9848	0.489207	43	0.029034	43	0.029034436
BSU_18480	proH	893	1476	1608	3084	1309	1684	2993	1.0304	0.489499	46	0.051512	52	0.058230683
BSU_11010	samT	1838	2193	4223	6416	2095	1400	3495	1.8355	0.489656	62	0.033732	67	0.036452666

BSU_32460	pucM	344	727	865	1592	793	995	1788	0.8904	0.489891	21	0.061047	22	0.063953488
BSU_26290	yqaJ	959	1675	1592	3267	1704	964	2668	1.2244	0.490008	46	0.047967	49	0.051094891
BSU_19639	yoyE	125	235	436	671	149	170	319	2.1	0.490041	6	0.048	7	0.056
BSU_08400	yfiU	1556	1219	1290	2509	1355	881	2236	1.122	0.490059	46	0.029563	47	0.030205656
BSU_38080	ywcl	302	379	946	1325	345	580	925	1.432	0.490082	11	0.036424	12	0.039735099
BSU_35190	yvkC	2495	3946	5397	9343	3905	4743	8648	1.0804	0.490194	103	0.041283	113	0.045290581
BSU_36400	flhO	812	2626	3608	6234	1683	1799	3482	1.7901	0.49054	38	0.046798	42	0.051724138
BSU_25760	sigKn	470	1110	876	1986	1112	1082	2194	0.9052	0.490545	28	0.059574	29	0.061702128
BSU_36000	alsD	767	573	816	1389	863	499	1362	1.0198	0.490575	23	0.029987	25	0.032594524
BSU_40320	argI	890	2688	2384	5072	2400	2023	4423	1.1467	0.490774	38	0.042697	39	0.043820225
BSU_17070	ymcC	557	777	740	1517	752	776	1528	0.9928	0.490907	28	0.050269	28	0.0502693
BSU_23640	yqkD	917	1527	1517	3044	1166	1273	2439	1.248	0.490958	33	0.035987	36	0.039258451
BSU_37110	tal	638	825	1365	2190	1279	682	1961	1.1167	0.490991	23	0.03605	25	0.039184953
BSU_17240	ymzB	356	401	437	838	785	455	1240	0.6761	0.491139	19	0.053371	19	0.053370787
BSU_12519	yjzJ	179	485	387	872	361	344	705	1.2365	0.491356	6	0.03352	6	0.033519553
BSU_33170	yvrB	1061	1264	1367	2631	626	966	1592	1.6522	0.49149	36	0.03393	42	0.039585297
BSU_35320	fliT	341	2199	1791	3990	1926	1982	3908	1.021	0.491652	36	0.105572	36	0.105571848
BSU_misc_R	tboYB	206	368	208	576	85	301	386	1.491	0.491848	7	0.033981	8	0.038834951
BSU_29479		203	193	243	436	135	347	482	0.9048	0.491877	11	0.054187	11	0.054187192
BSU_14250	sppO	965	1574	2507	4081	893	1666	2559	1.5945	0.491878	42	0.043523	46	0.047668394
BSU_00130	serS	1277	73	63	136	51	190	241	0.5661	0.492183	7	0.005482	7	0.005481597
BSU_36430	usd	110	738	57	795	365	160	525	1.5133	0.492276	9	0.081818	11	0.1
BSU_24130	mmgE	1418	1176	1632	2808	1296	1620	2916	0.963	0.492317	51	0.035966	54	0.038081805
BSU_03670	dtpT	1478	2465	3255	5720	2046	2065	4111	1.3913	0.492476	73	0.049391	78	0.052774019
BSU_38180	ywzA	245	309	504	813	395	232	627	1.2962	0.492596	15	0.061224	17	0.069387755
BSU_26930	yrat	359	2775	4744	7519	3773	3966	7739	0.9716	0.492763	26	0.072423	28	0.077994429
BSU_38490	menA	935	4	0	4	36	0	36	0.1351	0.492812	2	0.002139	2	0.002139037
BSU_02480	gudP	1367	1945	1450	3395	1625	1996	3621	0.9376	0.492875	51	0.037308	50	0.036576445
BSU_35390	yviE	575	1484	1439	2923	1511	1680	3191	0.916	0.493217	36	0.062609	37	0.064347826
BSU_34980	yvoD	938	847	1137	1984	873	858	1731	1.1461	0.49341	27	0.028785	29	0.030916844
BSU_29040	ytdD	1190	1238	1834	3072	855	1870	2725	1.1273	0.493476	44	0.036975	49	0.041176471

BSU_05920	tsaB	689	84	0	84	8	0	8	9.4444	0.493487	2	0.002903	2	0.002902758
BSU_13200	rsbRB	833	1312	859	2171	1361	824	2185	0.9936	0.493502	33	0.039616	33	0.039615846
BSU_11079	yizB	347	618	258	876	314	147	461	1.8983	0.493583	10	0.028818	11	0.031700288
BSU_01710	ybbJ	482	695	482	1177	788	425	1213	0.9703	0.493844	19	0.039419	21	0.043568465
BSU_33490	cadA	2108	2335	2378	4713	2624	2268	4892	0.9634	0.493893	78	0.037002	76	0.036053131
BSU_16240	flil	1316	977	1028	2005	445	1199	1644	1.2195	0.494163	36	0.027356	40	0.030395137
BSU_18630	exlX	698	1910	1571	3481	1471	1512	2983	1.1669	0.494249	44	0.063037	44	0.063037249
BSU_31580	maeN	1346	1951	2389	4340	1903	1840	3743	1.1595	0.494705	71	0.052749	80	0.059435364
BSU_37990	ywdE	533	1493	2247	3740	1772	1875	3647	1.0255	0.495004	37	0.069418	35	0.065666041
BSU_30330	ytvB	335	210	379	589	300	519	819	0.7195	0.495097	8	0.023881	8	0.023880597
BSU_00380	metS	1994	187	2	189	321	2	323	0.5864	0.495142	5	0.002508	5	0.002507523
BSU_16450	cheC	629	573	1198	1771	604	782	1386	1.2776	0.49559	24	0.038156	26	0.041335453
BSU_34880	hisA	737	1018	1140	2158	1076	1276	2352	0.9176	0.49579	30	0.040706	36	0.048846676
BSU_30460	ytrA	392	210	468	678	262	129	391	1.7321	0.495938	10	0.02551	12	0.030612245
BSU_09540	plsC	599	0	34	34	64	6	70	0.493	0.49595	2	0.003339	2	0.003338898
BSU_12520	xkdB	836	528	400	928	533	531	1064	0.8723	0.49596	24	0.028708	24	0.028708134
BSU_27370	yyrL	1082	1108	1958	3066	835	972	1807	1.6963	0.496264	48	0.044362	54	0.049907579
BSU_40573	yyzI	239	3876	3186	7062	4480	2495	6975	1.0125	0.496348	24	0.100418	24	0.10041841
BSU_39960	yxal	455	13164	13412	26576	11520	14893	26413	1.0062	0.496369	66	0.145055	65	0.142857143
BSU_28840	ysdA	269	116	338	454	80	157	237	1.9118	0.496426	9	0.033457	10	0.037174721
BSU_33380	modA	782	1035	786	1821	757	1000	1757	1.0364	0.496471	27	0.034527	28	0.035805627
BSU_09620	yhdW	731	960	897	1857	881	490	1371	1.3542	0.496697	27	0.036936	27	0.036935705
BSU_24090	ptb	899	326	260	586	509	315	824	0.7115	0.496817	21	0.023359	21	0.023359288
BSU_07160	yetH	362	939	826	1765	1320	426	1746	1.0109	0.496869	15	0.041436	16	0.044198895
BSU_30710	ythA	1331	477	998	1475	912	880	1792	0.8232	0.496888	34	0.025545	33	0.024793388
BSU_13090	gdnC	338	282	175	457	66	291	357	1.2793	0.496986	13	0.038462	13	0.038461538
BSU_33110	liaG	872	935	702	1637	685	510	1195	1.3696	0.496992	22	0.025229	23	0.026376147
BSU_39470	sndB	1142	1722	1333	3055	1175	1263	2438	1.253	0.497204	39	0.034151	44	0.038528897
BSU_11520	mecA	656	222	375	597	153	96	249	2.392	0.497211	14	0.021341	15	0.022865854
BSU_35500	degS	1157	2565	1793	4358	3527	1928	5455	0.7989	0.497245	67	0.057908	65	0.056179775
BSU_00500	glmU	1370	82	0	82	6	2	8	9.2222	0.497326	4	0.00292	4	0.002919708

BSU_27690	yrzE	452	104	378	482	36	317	353	1.3644	0.49737	10	0.022124	11	0.024336283
BSU_29360	tcyL	719	586	966	1552	984	807	1791	0.8666	0.497402	32	0.044506	32	0.044506259
BSU_10320	yhfP	992	497	788	1285	972	856	1828	0.7031	0.497408	27	0.027218	26	0.026209677
BSU_03640	bsdC	1421	2197	782	2979	1617	756	2373	1.2553	0.497487	40	0.028149	46	0.032371569
BSU_32990	mrgA	461	696	333	1029	387	728	1115	0.9229	0.497743	18	0.039046	17	0.036876356
BSU_21229	youA	611	2	2	4	17	2	19	0.25	0.497814	2	0.003273	2	0.003273322
BSU_38050	sacP	1385	1773	1259	3032	2239	1323	3562	0.8512	0.497858	30	0.021661	31	0.022382671
BSU_14720	ylaB	269	1001	609	1610	852	708	1560	1.032	0.498016	23	0.085502	25	0.092936803
BSU_23490	pupG	815	288	720	1008	391	434	825	1.2215	0.498022	23	0.028221	24	0.029447853
BSU_36730	ywmD	674	741	832	1573	671	435	1106	1.4219	0.498145	18	0.026706	19	0.028189911
BSU_17140	pksF	1247	1143	2116	3259	1402	1056	2458	1.3257	0.498178	52	0.0417	54	0.043303929
BSU_20880	yopl	533	4	0	4	6	0	6	0.7143	0.498207	2	0.003752	2	0.003752345
BSU_15190	mraY	974	0	21	21	0	4	4	4.4	0.498299	2	0.002053	2	0.002053388
BSU_24340	accC	1352	6	19	25	16	8	24	1.04	0.498673	4	0.002959	4	0.00295858
BSU_12810	xlyA	893	783	1783	2566	1287	1359	2646	0.9698	0.498734	32	0.035834	32	0.035834267
BSU_20450	yorA	1760	2	6	8	2	4	6	1.2857	0.498938	3	0.001705	3	0.001704545
BSU_24510	yqhO	875	674	530	1204	645	579	1224	0.9837	0.499082	22	0.025143	22	0.025142857
BSU_01610	feuC	1010	997	1791	2788	1343	1143	2486	1.1214	0.499282	32	0.031683	34	0.033663366
BSU_10080	yhfA	1391	1548	628	2176	1621	814	2435	0.8937	0.499425	42	0.030194	40	0.02875629
BSU_00020	dnaN	1136	240	469	709	621	194	815	0.8701	0.5	3	0.002641	3	0.002640845
BSU_00060	gyrB	1916	160	8	168	94	2157	2251	0.075	0.5	4	0.002088	4	0.002087683
BSU_00070	gyrA	2465	10	0	10	2	6	8	1.2222	0.5	2	0.000811	2	0.000811359
BSU_00190	dnaX	1691	8	0	8	0	2	2	3	0.5	1	0.000591	1	0.000591366
BSU_tRNA_1	trnJ-Val	75	174	0	174	77	0	77	2.2436	0.5	1	0.013333	1	0.013333333
BSU_tRNA_1	trnJ-Gly	74	27	0	27	26	0	26	1.037	0.5	1	0.013514	1	0.013513514
BSU_00940	cysS	1400	53	27	80	92	2	94	0.8526	0.5	2	0.001429	2	0.001428571
BSU_01430	rpoA	944	0	2	2	0	2	2	1	0.5	1	0.001059	1	0.001059322
BSU_tRNA_2	trnI-Gly	74	139	0	139	53	0	53	2.5926	0.5	1	0.013514	1	0.013513514
BSU_02080	ybxH	191	393	425	818	382	534	916	0.8931	0.5	7	0.036649	8	0.041884817
BSU_02490	gudD	1367	775	535	1310	303	960	1263	1.0372	0.5	25	0.018288	26	0.019019751
BSU_02630	tatAD	212	0	82	82	2	0	2	27.6667	0.5	1	0.004717	1	0.004716981

BSU_02640	tatCD	728	1152	1673	2825	1309	1575	2884	0.9795	0.5	29	0.039835	30	0.041208791
BSU_03470	hxlR	362	516	859	1375	339	1056	1395	0.9857	0.5	16	0.044199	18	0.049723757
BSU_04000	ycsA	1064	1580	842	2422	1588	1206	2794	0.8669	0.5	27	0.025376	27	0.02537594
BSU_04290	ydaL	1709	0	2	2	0	43	43	0.0682	0.5	1	0.000585	1	0.000585138
BSU_04310	ydaN	2111	0	2	2	2	0	2	1	0.5	1	0.000474	1	0.000473709
BSU_04620	acpS	365	0	2	2	56	0	56	0.0526	0.5	1	0.00274	1	0.002739726
BSU_04690	rsbT	401	287	573	860	226	1612	1838	0.4682	0.5	15	0.037406	16	0.039900249
BSU_tRNA_4	trnS-Gln	74	19	0	19	4	0	4	4	0.5	1	0.013514	1	0.013513514
BSU_tRNA_4	trnS-Lys	75	23	0	23	4	0	4	4.8	0.5	1	0.013333	1	0.013333333
BSU_04880	ycdS	269	0	2	2	4	0	4	0.6	0.5	1	0.003717	1	0.003717472
BSU_04910	conB	1064	2	0	2	2	0	2	1	0.5	1	0.00094	1	0.00093985
BSU_04930	conD	524	0	2	2	0	2	2	1	0.5	1	0.001908	1	0.001908397
BSU_tRNA_8	trnE-Gly	73	8	0	8	8	0	8	1	0.5	1	0.013699	1	0.01369863
BSU_05910	tsaE	476	0	6	6	13	0	13	0.5	0.5	2	0.004202	2	0.004201681
BSU_06030	groEL	1634	166	8	174	8	23	31	5.4688	0.5	3	0.001836	3	0.001835985
BSU_06060	bsuMA	1283	38	4	42	6	8	14	2.8667	0.5	5	0.003897	5	0.003897116
BSU_06269	ydjJ	158	96	372	468	49	188	237	1.9706	0.5	6	0.037975	8	0.050632911
BSU_07650	yflK	665	102	250	352	193	159	352	1	0.5	11	0.016541	11	0.016541353
BSU_tRNA_8	trnSL-Gl	73	97	0	97	13	0	13	7	0.5	1	0.013699	1	0.01369863
BSU_09750	sspB	203	212	279	491	180	230	410	1.1971	0.5	7	0.034483	7	0.034482759
BSU_11610	ppnKA	800	21	0	21	0	38	38	0.5641	0.5	1	0.00125	1	0.00125
BSU_12440	phrA	134	0	38	38	0	38	38	1	0.5	1	0.007463	1	0.007462687
BSU_13169	ykzN	170	168	75	243	173	204	377	0.6455	0.5	8	0.047059	7	0.041176471
BSU_misc_R	mshB	155	36	72	108	45	67	112	0.9646	0.5	3	0.019355	3	0.019354839
BSU_13470	sspD	194	71	42	113	15	21	36	3.0811	0.5	5	0.025773	6	0.030927835
BSU_misc_R	qswA	44	23	139	162	17	29	46	3.4681	0.5	4	0.090909	5	0.113636364
BSU_misc_R	fsrA	83	168	2	170	81	116	197	0.8636	0.5	3	0.036145	3	0.036144578
BSU_14930	ctaG	893	883	982	1865	1192	538	1730	1.078	0.5	35	0.039194	38	0.042553191
BSU_15680	gmk	614	2	0	2	9	0	9	0.3	0.5	1	0.001629	1	0.001628664
BSU_16030	trmD	731	0	15	15	6	0	6	2.2857	0.5	1	0.001368	1	0.001367989
BSU_16040	rplS	347	0	2	2	6	0	6	0.4286	0.5	1	0.002882	1	0.002881844

BSU_16530	uppS	782	130	0	130	130	0	130	1	0.5	1	0.001279	1	0.001278772
BSU_17370	nrdI	392	2	0	2	2	0	2	1	0.5	1	0.002551	1	0.00255102
BSU_19490	gerT	473	946	534	1480	299	756	1055	1.4025	0.5	16	0.033827	18	0.038054968
BSU_19890	yotG	317	0	2	2	0	2	2	1	0.5	1	0.003155	1	0.003154574
BSU_20020	dutB	428	2	0	2	0	2	2	1	0.5	1	0.002336	1	0.002336449
BSU_20170	yosC	542	4	0	4	0	4	4	1	0.5	2	0.00369	2	0.003690037
BSU_20230	yorW	365	2	2	4	0	4	4	1	0.5	2	0.005479	2	0.005479452
BSU_20390	yorG	971	0	2	2	434	0	434	0.0069	0.5	1	0.00103	1	0.001029866
BSU_20440	yorB	296	2	0	2	0	2	2	1	0.5	1	0.003378	1	0.003378378
BSU_20670	yoqD	755	0	2	2	0	2	2	1	0.5	1	0.001325	1	0.001324503
BSU_20720	yopY	278	0	2	2	2	0	2	1	0.5	1	0.003597	1	0.003597122
BSU_20740	yopW	335	0	2	2	0	2	2	1	0.5	1	0.002985	1	0.002985075
BSU_ncRNA_aimX		290	8	6	14	8	6	14	1	0.5	7	0.024138	7	0.024137931
BSU_20890	sieB	536	2	0	2	2	0	2	1	0.5	1	0.001866	1	0.001865672
BSU_21050	hupN	278	2	0	2	2	0	2	1	0.5	1	0.003597	1	0.003597122
BSU_21220	yomU	797	2	2	4	4	0	4	1	0.5	2	0.002509	2	0.00250941
BSU_21260	yomQ	350	0	4	4	2	2	4	1	0.5	2	0.005714	2	0.005714286
BSU_21280	yomO	500	2	0	2	2	0	2	1	0.5	1	0.002	1	0.002
BSU_21400	yomD	824	2	0	2	2	0	2	1	0.5	1	0.001214	1	0.001213592
BSU_21440	bdbB	446	2	2	4	4	0	4	1	0.5	2	0.004484	2	0.004484305
BSU_21460	bdbA	413	0	4	4	2	2	4	1	0.5	2	0.004843	2	0.004842615
BSU_21490	sunI	317	0	2	2	4	0	4	0.6	0.5	1	0.003155	1	0.003154574
BSU_22350	dnaD	698	0	19	19	9	0	9	2	0.5	1	0.001433	1	0.001432665
BSU_22450	cca	1193	6	0	6	0	4	4	1.4	0.5	1	0.000838	1	0.000838223
BSU_22650	trpF	647	201	76	277	331	45	376	0.7374	0.5	6	0.009274	6	0.00927357
BSU_23220	scpA	755	0	2	2	0	2	2	1	0.5	1	0.001325	1	0.001324503
BSU_24540	yqhL	380	815	1104	1919	420	1053	1473	1.3026	0.5	20	0.052632	24	0.063157895
BSU_24640	tapA	761	904	886	1790	855	653	1508	1.1869	0.5	31	0.040736	33	0.043363995
BSU_25200	sigA	1115	0	2	2	0	6	6	0.4286	0.5	1	0.000897	1	0.000896861
BSU_25870	rttF	578	2	0	2	0	13	13	0.2143	0.5	1	0.00173	1	0.001730104
BSU_misc_R	ratA	222	209	421	630	202	251	453	1.3899	0.5	13	0.058559	14	0.063063063

BSU_26220	yqaQ	455	2236	1143	3379	1518	1577	3095	1.0917	0.5	36	0.079121	39	0.085714286
BSU_27430	glnQ	728	544	913	1457	586	195	781	1.8645	0.5	13	0.017857	14	0.019230769
BSU_27490	yyrB	620	1014	303	1317	502	441	943	1.3962	0.5	24	0.03871	26	0.041935484
BSU_28850	rplT	359	0	6	6	0	79	79	0.0875	0.5	1	0.002786	1	0.002785515
BSU_28980	dnaI	935	8	19	27	4	79	83	0.3333	0.5	2	0.002139	2	0.002139037
BSU_misc_R	ldsD	132	135	0	135	96	0	96	1.4021	0.5	1	0.007576	1	0.007575758
BSU_30659	ytzI	176	394	460	854	457	334	791	1.0795	0.5	14	0.079545	14	0.079545455
BSU_31340	yugM	371	320	471	791	428	319	747	1.0588	0.5	16	0.043127	16	0.043126685
BSU_31630	mrpD	1481	0	2	2	21	0	21	0.1364	0.5	1	0.000675	1	0.000675219
BSU_32700	sufD	1313	0	48	48	0	23	23	2.0417	0.5	1	0.000762	1	0.000761615
BSU_32710	sufC	785	2	0	2	0	253	253	0.0118	0.5	1	0.001274	1	0.001273885
BSU_33940	gapA	1007	0	23	23	131	6	137	0.1739	0.5	3	0.002979	3	0.002979146
BSU_34410	yveG	311	841	1029	1870	689	744	1433	1.3047	0.5	19	0.061093	19	0.061093248
BSU_34420	yveF	92	11	0	11	0	60	60	0.1967	0.5	1	0.01087	1	0.010869565
BSU_35130	yvfA	326	216	1325	1541	396	619	1015	1.5177	0.5	18	0.055215	19	0.058282209
BSU_35590	tuaC	1169	1894	1914	3808	1983	3720	5703	0.6678	0.5	49	0.041916	47	0.040205304
BSU_37330	argS	1670	0	55	55	2	19	21	2.5455	0.5	2	0.001198	2	0.001197605
BSU_tRNA_4	trnY-Lys	75	0	44	44	0	36	36	1.2162	0.5	1	0.013333	1	0.013333333
BSU_rRNA_1	rrnO-16	1554	0	0	0	0	0	0	1		0	0	0	0
BSU_tRNA_5	trnO-Ile	76	0	0	0	0	0	0	1		0	0	0	0
BSU_tRNA_6	trnO-Ala	75	0	0	0	0	0	0	1		0	0	0	0
BSU_rRNA_2	rrnO-23	2927	0	0	0	0	0	0	1		0	0	0	0
BSU_rRNA_3	rrnO-5S	118	0	0	0	0	0	0	1		0	0	0	0
BSU_tRNA_7	trnSL-Ser	92	0	0	0	0	0	0	1		0	0	0	0
BSU_rRNA_4	rrnA-16S	1553	0	0	0	0	0	0	1		0	0	0	0
BSU_tRNA_8	trnA-Ile	76	0	0	0	0	0	0	1		0	0	0	0
BSU_tRNA_9	trnA-Ala	75	0	0	0	0	0	0	1		0	0	0	0
BSU_rRNA_5	rrnA-23S	2926	0	0	0	0	0	0	1		0	0	0	0
BSU_rRNA_2	rrnA-5S	118	0	0	0	0	0	0	1		0	0	0	0
BSU_00280	tmk	638	0	0	0	0	0	0	1		0	0	0	0
BSU_tRNA_1	trnSL-Met	76	0	0	0	0	0	0	1		0	0	0	0

BSU_tRNA_1 trnSL-Gl	71	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_6 rrnJ-16S	1553	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_7 rrnJ-23S	2927	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_8 rrnJ-5S	117	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_1 trnJ-Lys	75	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_1 trnJ-Leu	85	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_1 trnJ-Arg	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_1 trnJ-Pro	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_2 trnJ-Ala	75	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_9 rrnW-16	1553	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_1 rrnW-23	2927	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_1 rrnW-5S	118	0	0	0	0	0	0	1	0	0	0	0
BSU_01020 rplK	425	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R ldU	140	0	0	0	0	0	0	1	0	0	0	0
BSU_01040 rpU	500	0	0	0	0	0	0	1	0	0	0	0
BSU_01050 rplL	371	0	0	0	0	0	0	1	0	0	0	0
BSU_01090 ruS	248	0	0	0	0	0	0	1	0	0	0	0
BSU_01110 rpsG	470	0	0	0	0	0	0	1	0	0	0	0
BSU_01150 rpsJ	308	0	0	0	0	0	0	1	0	0	0	0
BSU_01160 rplC	629	0	0	0	0	0	0	1	0	0	0	0
BSU_01170 rplD	623	0	0	0	0	0	0	1	0	0	0	0
BSU_01190 rplB	833	0	0	0	0	0	0	1	0	0	0	0
BSU_01220 rpsC	656	0	0	0	0	0	0	1	0	0	0	0
BSU_01240 rpmC	200	0	0	0	0	0	0	1	0	0	0	0
BSU_01290 rpsNA	185	0	0	0	0	0	0	1	0	0	0	0
BSU_01389 ybzG	224	0	0	0	0	0	0	1	0	0	0	0
BSU_01400 rpmJ	113	0	0	0	0	0	0	1	0	0	0	0
BSU_01420 rpsK	395	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R ldlM	56	0	0	0	0	0	0	1	0	0	0	0
BSU_01500 rpsI	392	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_2 rrnI-16S	1552	0	0	0	0	0	0	1	0	0	0	0

BSU_rRNA_1 rrnI-23S	2925	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_1 rrnI-5S	116	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_2 trnI-Thr	72	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_2 trnI-Pro	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_2 trnI-Ala	75	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_1 rrnH-16S	1553	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_2 rrnH-23S	2923	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_2 rrnH-5S	117	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_2 rrnG-16S	1551	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_2 rrnG-23S	2927	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_2 rrnG-5S	118	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_7 trnSL-Gl	74	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_7 trnSL-Tr	72	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_7 trnSL-Ty	84	0	0	0	0	0	0	1	0	0	0	0
BSU_04250 lrpC	434	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R swaO	143	0	0	0	0	0	0	1	0	0	0	0
BSU_04330 nudT	449	0	0	0	0	0	0	1	0	0	0	0
BSU_04340 poxB	1724	0	0	0	0	0	0	1	0	0	0	0
BSU_04345	203	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_4 trnS-Asp	74	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_4 trnS-Glu	71	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_5 trnS-Leu	81	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_5 trnS-Leu	86	0	0	0	0	0	0	1	0	0	0	0
BSU_04830 xis	194	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R sncO	59	0	0	0	0	0	0	1	0	0	0	0
BSU_04980 yddI	506	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_3 rrnE-16S	1554	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_1 rrnE-23S	2927	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_1 rrnE-5S	116	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_2 trnE-Met	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_2 trnE-Asp	76	0	0	0	0	0	0	1	0	0	0	0

BSU_rRNA_2 rrnD-16S	1554	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_1 rrnD-5S	115	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3 trnD-Ser	91	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3 trnD-Glu	71	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3 trnD-Met	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3 trnD-Asp	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3 trnD-Phe	75	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3 trnD-Tyr	84	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3 trnD-Trp	73	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3 trnD-His	75	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_4 trnD-Gln	71	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_4 glyTB	74	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_4 cysTA	70	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_4 leuTA	88	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_4 leuTB	81	0	0	0	0	0	0	1	0	0	0	0
BSU_11420 trpS	992	0	0	0	0	0	0	1	0	0	0	0
BSU_14000 dapX	1181	0	0	0	0	0	0	1	0	0	0	0
BSU_15150 ftsL	353	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R iswA	226	0	0	0	0	0	0	1	0	0	0	0
BSU_19820 sprB	176	0	0	0	0	0	0	1	0	0	0	0
BSU_19850 yotK	185	0	0	0	0	0	0	1	0	0	0	0
BSU_19900 yotF	77	0	0	0	0	0	0	1	0	0	0	0
BSU_19910 yotE	146	0	0	0	0	0	0	1	0	0	0	0
BSU_19915	191	0	0	0	0	0	0	1	0	0	0	0
BSU_19920 yotD	131	0	0	0	0	0	0	1	0	0	0	0
BSU_19930 yotC	191	0	0	0	0	0	0	1	0	0	0	0
BSU_19990 yosV	290	0	0	0	0	0	0	1	0	0	0	0
BSU_19999 yojW	167	0	0	0	0	0	0	1	0	0	0	0
BSU_20030 yosR	242	0	0	0	0	0	0	1	0	0	0	0
BSU_20080 yosL	353	0	0	0	0	0	0	1	0	0	0	0
BSU_20090 yosK	200	0	0	0	0	0	0	1	0	0	0	0

BSU_20110	yosI	134	0	0	0	0	0	0	1	0	0	0	0
BSU_20140	yosF	125	0	0	0	0	0	0	1	0	0	0	0
BSU_20160	yosD	395	0	0	0	0	0	0	1	0	0	0	0
BSU_20180	yosB	179	0	0	0	0	0	0	1	0	0	0	0
BSU_20190	yosA	119	0	0	0	0	0	0	1	0	0	0	0
BSU_20210	yorY	182	0	0	0	0	0	0	1	0	0	0	0
BSU_20240	yorV	218	0	0	0	0	0	0	1	0	0	0	0
BSU_20260	yorT	119	0	0	0	0	0	0	1	0	0	0	0
BSU_20280	yorR	497	0	0	0	0	0	0	1	0	0	0	0
BSU_20290	yorQ	155	0	0	0	0	0	0	1	0	0	0	0
BSU_20300	yorP	215	0	0	0	0	0	0	1	0	0	0	0
BSU_20310	yorO	197	0	0	0	0	0	0	1	0	0	0	0
BSU_20320	yorN	149	0	0	0	0	0	0	1	0	0	0	0
BSU_20330	yorM	716	0	0	0	0	0	0	1	0	0	0	0
BSU_20380	yorH	470	0	0	0	0	0	0	1	0	0	0	0
BSU_20420	yorD	314	0	0	0	0	0	0	1	0	0	0	0
BSU_20430	yorC	380	0	0	0	0	0	0	1	0	0	0	0
BSU_20520	yoqT	149	0	0	0	0	0	0	1	0	0	0	0
BSU_20530	yoqS	347	0	0	0	0	0	0	1	0	0	0	0
BSU_20540	yoqR	356	0	0	0	0	0	0	1	0	0	0	0
BSU_20550	yoqP	341	0	0	0	0	0	0	1	0	0	0	0
BSU_20600	yoqK	203	0	0	0	0	0	0	1	0	0	0	0
BSU_20610	yoqJ	515	0	0	0	0	0	0	1	0	0	0	0
BSU_20640	yoqG	257	0	0	0	0	0	0	1	0	0	0	0
BSU_20680	yoqC	407	0	0	0	0	0	0	1	0	0	0	0
BSU_20700	yoqA	350	0	0	0	0	0	0	1	0	0	0	0
BSU_20730	yopX	404	0	0	0	0	0	0	1	0	0	0	0
BSU_20750	yopV	194	0	0	0	0	0	0	1	0	0	0	0
BSU_20760	yopU	197	0	0	0	0	0	0	1	0	0	0	0
BSU_20780	yopS	224	0	0	0	0	0	0	1	0	0	0	0
BSU_20820	yopO	212	0	0	0	0	0	0	1	0	0	0	0

BSU_20840	yopM	200	0	0	0	0	0	0	1	0	0	0	0
BSU_20850	aimP	125	0	0	0	0	0	0	1	0	0	0	0
BSU_20900	yopG	131	0	0	0	0	0	0	1	0	0	0	0
BSU_20910	yopF	215	0	0	0	0	0	0	1	0	0	0	0
BSU_20929	yoyI	230	0	0	0	0	0	0	1	0	0	0	0
BSU_20930	yopD	395	0	0	0	0	0	0	1	0	0	0	0
BSU_20950	yopB	227	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R	apbT	106	0	0	0	0	0	0	1	0	0	0	0
BSU_21058		170	0	0	0	0	0	0	1	0	0	0	0
BSU_21180	yomY	254	0	0	0	0	0	0	1	0	0	0	0
BSU_21270	yomP	191	0	0	0	0	0	0	1	0	0	0	0
BSU_21290	yomN	419	0	0	0	0	0	0	1	0	0	0	0
BSU_21310	yozP	329	0	0	0	0	0	0	1	0	0	0	0
BSU_21320	yomL	686	0	0	0	0	0	0	1	0	0	0	0
BSU_21340	yomJ	683	0	0	0	0	0	0	1	0	0	0	0
BSU_21409		218	0	0	0	0	0	0	1	0	0	0	0
BSU_21420	bhlA	212	0	0	0	0	0	0	1	0	0	0	0
BSU_21480	sunA	170	0	0	0	0	0	0	1	0	0	0	0
BSU_21546	bsrG	116	0	0	0	0	0	0	1	0	0	0	0
BSU_21550	yokL	533	0	0	0	0	0	0	1	0	0	0	0
BSU_21599	yoyK	116	0	0	0	0	0	0	1	0	0	0	0
BSU_21810	dfrA	506	0	0	0	0	0	0	1	0	0	0	0
BSU_22430	panB	833	0	0	0	0	0	0	1	0	0	0	0
BSU_22490	dapB	803	0	0	0	0	0	0	1	0	0	0	0
BSU_22890	cmk	674	0	0	0	0	0	0	1	0	0	0	0
BSU_25320	rnrY	473	0	0	0	0	0	0	1	0	0	0	0
BSU_25680	yqeG	518	0	0	0	0	0	0	1	0	0	0	0
BSU_27940	rpmA	284	0	0	0	0	0	0	1	0	0	0	0
BSU_27950	rppA	338	0	0	0	0	0	0	1	0	0	0	0
BSU_27960	rplU	308	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R	ldlU	75	0	0	0	0	0	0	1	0	0	0	0

BSU_28030	mreB	1013	0	0	0	0	0	0	1	0	0	0	0
BSU_28190	engB	587	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_8	trnSL-Ala	73	0	0	0	0	0	0	1	0	0	0	0
BSU_28870	infC	521	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_RNA_47		139	0	0	0	0	0	0	1	0	0	0	0
BSU_30320	leuS	2414	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_7	trnB-Glu	71	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-Ile2	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-His	75	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-Phe	75	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-Asp	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-Met	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-Ser	92	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-Met	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-Met	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_6	trnB-Ala	72	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_5	trnB-Pro	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_5	trnB-Arg	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_5	trnB-Leu	85	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_5	trnB-Gly	74	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_5	trnB-Thr	75	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_5	trnB-Val	75	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_2	rrnB-5S	117	0	0	0	0	0	0	1	0	0	0	0
BSU_rRNA_2	rrnB-23S	2927	0	0	0	0	0	0	1	0	0	0	0
BSU_31610	mrpB	431	0	0	0	0	0	0	1	0	0	0	0
BSU_31640	mrpE	476	0	0	0	0	0	0	1	0	0	0	0
BSU_31650	mrpF	284	0	0	0	0	0	0	1	0	0	0	0
BSU_32090	yuiA	143	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R	bsrI	247	0	0	0	0	0	0	1	0	0	0	0
BSU_misc_R	mswH	106	0	0	0	0	0	0	1	0	0	0	0
BSU_33910	pgm	1535	0	0	0	0	0	0	1	0	0	0	0

BSU_36840	atpH	545	0	0	0	0	0	0	1	0	0	0	0
BSU_37150	pyrG	1607	0	0	0	0	0	0	1	0	0	0	0
BSU_40410	walR	707	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_2	trnY-Asp	76	0	0	0	0	0	0	1	0	0	0	0
BSU_tRNA_3	trnY-Glu	71	0	0	0	0	0	0	1	0	0	0	0