

Summary of Correspondence Analysis for Rhodopseudomonas palustris

The input file contained 4815 genes

The number of axes generated was 58

A COA was requested of relative synonymous codon usage (RSCU)

The total inertia of the data was 0.372258

Explanation of the variation by axis

Num.	Eigenval.	R.Iner.	R.Sum	Num.	Eigenval.	R.Iner.	R.Sum
01	+4.7483E-02	+0.1276	+0.1276	02	+1.7009E-02	+0.0457	+0.1732
03	+1.5486E-02	+0.0416	+0.2148	04	+1.3096E-02	+0.0352	+0.2500
05	+1.2852E-02	+0.0345	+0.2845	06	+1.2106E-02	+0.0325	+0.3171
07	+1.1831E-02	+0.0318	+0.3488	08	+1.1425E-02	+0.0307	+0.3795
09	+1.0719E-02	+0.0288	+0.4083	10	+1.0464E-02	+0.0281	+0.4364
11	+9.5837E-03	+0.0257	+0.4622	12	+9.2061E-03	+0.0247	+0.4869
13	+8.9175E-03	+0.0240	+0.5109	14	+8.6428E-03	+0.0232	+0.5341
15	+8.4581E-03	+0.0227	+0.5568	16	+8.3353E-03	+0.0224	+0.5792
17	+8.1346E-03	+0.0219	+0.6011	18	+8.0389E-03	+0.0216	+0.6227
19	+7.6388E-03	+0.0205	+0.6432	20	+7.4840E-03	+0.0201	+0.6633
21	+7.0969E-03	+0.0191	+0.6823	22	+7.0563E-03	+0.0190	+0.7013
23	+6.8591E-03	+0.0184	+0.7197	24	+6.7253E-03	+0.0181	+0.7378
25	+6.5684E-03	+0.0176	+0.7554	26	+6.3600E-03	+0.0171	+0.7725
27	+6.1805E-03	+0.0166	+0.7891	28	+6.1516E-03	+0.0165	+0.8056
29	+5.9962E-03	+0.0161	+0.8218	30	+5.7815E-03	+0.0155	+0.8373
31	+5.6730E-03	+0.0152	+0.8525	32	+5.5726E-03	+0.0150	+0.8675
33	+5.4645E-03	+0.0147	+0.8822	34	+5.1233E-03	+0.0138	+0.8959
35	+5.0900E-03	+0.0137	+0.9096	36	+4.7640E-03	+0.0128	+0.9224
37	+4.5993E-03	+0.0124	+0.9348	38	+4.2053E-03	+0.0113	+0.9461
39	+3.7798E-03	+0.0102	+0.9562	40	+3.1066E-03	+0.0083	+0.9646

The position of each codon by axis

label	Axis1	Axis2	Axis3	Axis4
UUU	0.48123	-0.01079	0.10926	0.02433
UCU	0.77323	0.29412	-0.69123	-0.10977
UAU	0.05331	-0.07051	0.14480	0.02826
UGU	0.45368	-1.77945	-0.47149	0.10272
UUC	-0.09226	0.00151	-0.02337	-0.00158
UCC	-0.02368	0.09978	-0.16847	0.20654
UAC	-0.08204	0.04166	-0.10471	-0.01302
UGC	-0.09258	0.28300	0.12816	0.03599
UUA	1.53524	0.16149	0.00305	-0.05308
UCA	0.67899	0.00945	0.05967	0.22202
UUG	0.40831	0.02021	0.01699	0.01403
UCG	-0.15940	-0.03865	-0.08756	-0.02933
CUU	0.70030	0.06463	-0.12679	-0.04635
CCU	0.60421	0.02099	-0.10702	0.06076
CAU	0.09564	-0.07365	0.16959	-0.01520
CGU	0.16035	0.10522	-0.46925	-0.40095
CUC	-0.03822	0.03527	-0.07269	-0.03923
CCC	0.07266	0.02152	0.00596	0.02724
CAC	-0.07862	0.03129	-0.08562	0.00935

CGC	-0.16568	0.01218	-0.05402	-0.00453
CUA	0.66982	0.01702	0.05310	0.15363
CCA	0.73412	0.08172	0.11531	0.02975
CAA	0.43756	0.04762	0.02935	0.05928
CGA	0.81536	0.09985	0.07847	0.26317
CUG	-0.13125	-0.02532	0.03859	0.01383
CCG	-0.12077	-0.01629	0.00289	-0.01778
CAG	-0.08397	-0.01065	-0.00361	-0.01095
CGG	0.01604	-0.10346	0.26600	0.04779
AUU	0.39957	0.00507	-0.08127	-0.04456
ACU	0.40119	0.06454	-0.17047	-0.17640
AAU	0.13114	-0.05509	0.14787	0.01863
AGU	0.64781	-0.03312	0.56182	-1.39695
AUC	-0.06983	-0.00064	0.00617	0.00365
ACC	-0.16418	0.01949	-0.07119	-0.00680
AAC	-0.07492	0.02291	-0.06956	-0.00989
AGC	0.00451	-0.02794	0.21219	0.07487
AUA	1.53095	0.16190	0.08435	-0.05645
ACA	0.77962	0.16868	0.00059	0.20087
AAA	0.36430	0.00142	0.06160	0.07953
AGA	1.37975	0.53203	-0.40076	0.83875
ACG	0.12296	-0.07023	0.16072	0.01507
AAG	-0.09153	0.00287	-0.02188	-0.01760
AGG	0.64142	0.02195	0.16245	0.12992
GUU	0.56410	0.07826	-0.26621	-0.05213
GCU	0.42558	0.07466	-0.16373	-0.06520
GAU	0.15000	-0.03622	0.04696	-0.03231
GGU	0.20286	0.04540	-0.18873	-0.16954
GUC	-0.02631	0.02717	-0.03530	-0.02152
GCC	-0.09378	0.02615	-0.03077	0.01042
GAC	-0.07999	0.01859	-0.02230	0.01603
GGC	-0.13612	0.00248	-0.01597	0.00579
GUU	0.59823	0.01494	-0.00125	0.09965
GCA	0.42259	0.02827	0.00226	0.02393
GAA	0.03156	0.02669	-0.07119	0.00533
GGA	0.68152	0.03207	0.02036	0.08265
GUG	-0.08642	-0.03641	0.07089	0.02195
GCG	-0.03522	-0.03665	0.04699	-0.01064
GAG	-0.02944	-0.01726	0.05799	-0.00655
GGG	0.26892	-0.06395	0.25357	0.06284

Codon utilization of genes sorted by their  
ordination on the principle axis or factor  
Genes used to calculate fop were 1 to 240 and 4576 to 4815  
these gene numbers REFER ONLY to the sorted list

enc\_left 29.541384 enc\_right 52.534199  
Chi squared contingency test of genes from both  
extremes of axis 1

Phe	UUU	0.08 (132) 0.72 (796)	Ser	UCU	0.06 ( 46) 0.64 (406)
	UUC*	1.92 (3198) 1.28 (1420)		UCC	1.05 (750) 1.00 (635)
Leu	UUA	0.00 ( 1) 0.22 (207)		UCA	0.04 ( 26) 0.68 (430)
	UUG	0.19 (235) 1.03 (987)		UCG*	3.59 (2577) 1.68 (1062)
	CUU	0.09 (111) 1.08 (1036)	Pro	CCU	0.07 ( 69) 0.63 (465)

	CUC*	1.87	(2324)	1.50	(1440)		CCC	0.57	(586)	0.85	(626)
	CUA	0.02	( 23)	0.40	(379)		CCA	0.03	( 26)	0.71	(522)
	CUG*	3.84	(4777)	1.78	(1707)		CCG*	3.34	(3454)	1.82	(1345)
Ile	AUU	0.16	(280)	0.85	(812)	Thr	ACU	0.13	(166)	0.54	(366)
	AUC*	2.83	(4922)	1.86	(1781)		ACC*	3.07	(3801)	1.36	(920)
	AUA	0.01	( 10)	0.29	(278)		ACA	0.03	( 36)	0.68	(457)
Met	AUG	1.00	(2471)	1.00	(1078)		ACG	0.77	(956)	1.42	(960)
Val	GUU	0.15	(256)	0.86	(819)	Ala	GCU	0.16	(401)	0.65	(1043)
	GUC*	1.95	(3345)	1.59	(1518)		GCC*	2.02	(5075)	1.22	(1951)
	GUA	0.03	( 54)	0.36	(340)		GCA	0.11	(279)	0.67	(1062)
	GUG*	1.87	(3216)	1.19	(1132)		GCG*	1.71	(4298)	1.45	(2315)
Tyr	UAU	0.59	(673)	1.01	(596)	Cys	UGU	0.08	( 31)	0.63	(202)
	UAC*	1.41	(1592)	0.99	(589)		UGC*	1.92	(742)	1.37	(441)
TER	UAA	1.19	( 95)	0.55	( 44)	TER	UGA	1.48	(118)	1.77	(142)
	UAG	0.34	( 27)	0.68	( 54)	Trp	UGG	1.00	(945)	1.00	(816)
His	CAU	0.53	(452)	0.95	(537)	Arg	CGU	0.58	(479)	0.86	(653)
	CAC*	1.47	(1245)	1.05	(596)		CGC*	4.31	(3541)	1.93	(1454)
Gln	CAA	0.09	(125)	0.72	(672)		CGA	0.04	( 36)	1.02	(767)
	CAG*	1.91	(2701)	1.28	(1200)		CGG	1.03	(845)	1.34	(1015)
Asn	AAU	0.34	(474)	0.84	(593)	Ser	AGU	0.03	( 23)	0.57	(362)
	AAC*	1.66	(2332)	1.16	(811)		AGC	1.23	(880)	1.42	(899)
Lys	AAA	0.12	(316)	0.68	(616)	Arg	AGA	0.00	( 3)	0.43	(322)
	AAG*	1.88	(4943)	1.32	(1199)		AGG	0.02	( 20)	0.42	(319)
Asp	GAU	0.41	(1109)	0.93	(1392)	Gly	GGU	0.40	(765)	0.72	(730)
	GAC*	1.59	(4257)	1.07	(1617)		GGC*	3.40	(6574)	1.81	(1831)
Glu	GAA	0.80	(2205)	0.93	(1333)		GGA	0.05	( 89)	0.80	(814)
	GAG*	1.20	(3292)	1.07	(1542)		GGG	0.16	(302)	0.67	(682)

Number of codons in high bias dataset 89132

Number of codons in low bias dataset 55135

Note high bias was assigned to the genes with the lower overall Nc

Codon UUC (Phe) chi value was 975.244  
 Codon UAC (Tyr) chi value was 141.735  
 Codon UGC (Cys) chi value was 191.765  
 Codon UCG (Ser) chi value was 829.639  
 Codon CUC (Leu) chi value was 59.218  
 Codon CAC (His) chi value was 128.809  
 Codon CGC (Arg) chi value was 1500.974  
 Codon CUG (Leu) chi value was 1529.191  
 Codon CCG (Pro) chi value was 1141.611  
 Codon CAG (Gln) chi value was 791.893  
 Codon AUC (Ile) chi value was 1372.776  
 Codon ACC (Thr) chi value was 1343.144  
 Codon AAC (Asn) chi value was 317.674  
 Codon AAG (Lys) chi value was 920.198  
 Codon GUC (Val) chi value was 77.039  
 Codon GCC (Ala) chi value was 628.300  
 Codon GAC (Asp) chi value was 602.960

Codon GGC (Gly) chi value was 2071.639  
 Codon GUG (Val) chi value was 296.394  
 Codon GCG (Ala) chi value was 66.760  
 Codon GAG (Glu) chi value was 30.243

These are the PUTATIVE optimal codons

1,1,2,1,3,2,3,3,1,1,2,2,2,3,2,2  
 1,1,2,2,3,2,3,3,1,1,1,1,3,3,3,2  
 2,2,2,1,3,3,3,2,1,1,2,1,2,2,3,1  
 2,2,2,2,3,3,3,1,2,2,1,3,3,3,2

These are PUTATIVE CAI adaptiveness values identified by this program

Cod AA	Xi	Wi	Cod AA	Xi	Wi
UUU Phe	132.0	0.0412758	UCU Ser	46.0	0.0178502
UAU Tyr	673.0	0.4227387	UGU Cys	31.0	0.0417790
UUC Phe	3198.0	1.0000000	UCC Ser	750.0	0.2910361
UAC Tyr	1592.0	1.0000000	UGC Cys	742.0	1.0000000
UUA Leu	1.0	0.0002093	UCA Ser	26.0	0.0100893
UAA TER	95.0	1.0000000	UGA TER	118.0	1.0000000
UUG Leu	235.0	0.0491941	UCG Ser	2577.0	1.0000000
UAG TER	27.0	1.0000000	UGG Trp	945.0	1.0000000
CUU Leu	111.0	0.0232363	CCU Pro	69.0	0.0199768
CAU His	452.0	0.3630522	CGU Arg	479.0	0.1352725
CUC Leu	2324.0	0.4864978	CCC Pro	586.0	0.1696584
CAC His	1245.0	1.0000000	CGC Arg	3541.0	1.0000000
CUA Leu	23.0	0.0048147	CCA Pro	26.0	0.0075275
CAA Gln	125.0	0.0462792	CGA Arg	36.0	0.0101666
CUG Leu	4777.0	1.0000000	CCG Pro	3454.0	1.0000000
CAG Gln	2701.0	1.0000000	CGG Arg	845.0	0.2386332
AUU Ile	280.0	0.0568874	ACU Thr	166.0	0.0436727
AAU Asn	474.0	0.2032590	AGU Ser	23.0	0.0089251
AUC Ile	4922.0	1.0000000	ACC Thr	3801.0	1.0000000
AAC Asn	2332.0	1.0000000	AGC Ser	880.0	0.3414823
AUA Ile	10.0	0.0020317	ACA Thr	36.0	0.0094712
AAA Lys	316.0	0.0639288	AGA Arg	3.0	0.0008472
AUG Met	2471.0	1.0000000	ACG Thr	956.0	0.2515128
AAG Lys	4943.0	1.0000000	AGG Arg	20.0	0.0056481
GUU Val	256.0	0.0765321	GCU Ala	401.0	0.0790148
GAU Asp	1109.0	0.2605121	GGU Gly	765.0	0.1163675
GUC Val	3345.0	1.0000000	GCC Ala	5075.0	1.0000000
GAC Asp	4257.0	1.0000000	GGC Gly	6574.0	1.0000000
GUA Val	54.0	0.0161435	GCA Ala	279.0	0.0549754
GAA Glu	2205.0	0.6698056	GGA Gly	89.0	0.0135382
GUG Val	3216.0	0.9614350	GCG Ala	4298.0	0.8468966
GAG Glu	3292.0	1.0000000	GGG Gly	302.0	0.0459385

The position of each gene by axis

label		Axis1	Axis2	Axis3	Axis4
1_RPA0001_dnaA;_679		-0.13232	-0.30818	-0.10495	0.03678
2_RPA0002_dnaN;_233		-0.15280	0.01642	-0.06136	0.01119
3_RPA0003_recF;_366		-0.02604	0.06152	0.05651	0.10811
4_RPA0004_gyrB;_505		-0.14552	0.09606	-0.06558	0.03044

5_RPA0005_hpd;_7673	0.00859	-0.12090	0.00389	-0.05847
6_RPA0006_CDS;_8917	0.06679	0.06620	0.14351	0.14559
7_RPA0007_CDS;_9442	-0.05971	0.05211	0.09019	0.00007
8_RPA0008_kaiB;_108	-0.11956	-0.49034	-0.31358	-0.05562
9_RPA0009_kaiC;_111	0.03764	-0.03002	0.02904	-0.05996
10_RPA0010_CDS;_132	-0.11694	0.03626	0.08443	-0.05493
11_RPA0011_CDS;_142	-0.17983	-0.24892	-0.14987	0.03491
12_RPA0012_rdxS,_fix	0.58244	0.08918	0.11628	0.30002
13_RPA0013_rdxI,_fix	-0.03340	-0.05874	-0.01246	0.06403
14_RPA0014_rdxH,_fix	-0.00381	0.03150	-0.11693	-0.20454
15_RPA0015_fixG,_rdx	-0.16854	0.03306	-0.05418	0.03551
16_RPA0016_ccoP,_fix	-0.11540	-0.14282	-0.32701	-0.00878
17_RPA0017_ccoQ,_fix	0.69049	0.13518	0.30019	-0.30191
18_RPA0018_ccoO,_fix	-0.08571	0.14261	-0.29835	-0.17461
19_RPA0019_ccoN,_fix	-0.15421	0.07742	-0.09330	-0.02884
20_RPA0020_panE;_22	0.01695	0.06541	0.04228	-0.07452
21_RPA0021_CDS;_237	-0.09871	0.07299	-0.03858	0.02837
22_RPA0022_CDS;_246	-0.13466	-0.00419	0.02133	-0.14245
23_RPA0023_gstA;_25	-0.02697	0.09594	-0.00595	0.12807
24_RPA0024_CDS;_262	-0.10092	0.03034	0.11704	0.03136
25_RPA0025_ggt;_27	-0.03067	-0.00152	-0.00322	0.08553
26_RPA0026_CDS;_292	0.00421	0.08090	0.04029	0.02177
27_RPA0027_arOG;_30	0.12493	-0.21846	0.12734	-0.03757
28_RPA0028_purH;_31	-0.20736	0.02472	-0.15978	0.02146
29_RPA0029_CDS;_337	-0.09428	0.00523	-0.05711	-0.00271
30_RPA0030_CDS;_358	0.12402	-0.14301	0.08851	-0.05775
31_RPA0031_CDS;_373	0.01979	0.15361	-0.43869	-0.08258
32_RPA0032_CDS;_376	0.02918	0.04495	0.15491	0.13898
33_RPA0033_CDS;_382	-0.01025	-0.31991	0.03722	-0.12107
34_RPA0034_CDS;_394	-0.06765	0.05523	0.07192	-0.00767
35_RPA0035_pheT;_40	-0.18653	0.05831	-0.00220	-0.00960
36_RPA0036_CDS;_434	0.11968	0.10797	-0.02052	0.02895
37_RPA0037_pheS;_44	-0.19708	-0.05444	-0.01370	-0.05197
38_RPA0038_rplT;_45	-0.19074	0.00040	-0.15624	-0.11208
39_RPA0039_rpmI;_4	-0.04068	0.09789	-0.37267	-0.05247
40_RPA0040_infC;_46	-0.02186	-0.41878	-0.37941	0.00470
41_RPA0041_CDS;_472	0.02994	-0.12148	-0.15008	0.13306
42_RPA0042_CDS;_482	-0.03509	-0.05897	-0.02582	0.01972
43_RPA0043_CDS;_493	-0.08219	0.05724	-0.00175	0.05186
44_RPA0044_bacA;_50	-0.03531	0.12667	-0.12452	0.10172
45_RPA0045_CDS;_511	-0.04305	-0.03650	-0.05906	-0.17512
46_RPA0046_CDS;_524	-0.09527	0.06844	0.02735	0.07576
47_RPA0047_CDS;_533	-0.12929	-0.00656	-0.05388	0.08242
48_RPA0048_CDS;_540	0.06246	-0.01756	0.03870	-0.04888
49_RPA0049_CDS;_548	-0.05571	0.00160	0.03678	-0.23887
50_RPA0050_rpoN;_56	-0.00392	0.09494	-0.05321	0.01212
51_RPA0051_CDS;_577	-0.05845	-0.48531	-0.04415	0.10161
52_RPA0052_ptsN1;_5	-0.11397	-0.01180	-0.02375	0.02937
53_RPA0053_CDS;_596	-0.02742	-0.03227	0.08964	0.03628
54_RPA0054_CDS;_600	0.44625	0.21242	-0.16619	-0.23734
55_RPA0055_ugpC;_6	0.09951	0.07725	0.11858	-0.01793
56_RPA0056_ugpE;_6	-0.17130	-0.09098	0.13594	0.05572
57_RPA0057_ugpA;_6	-0.06947	-0.05368	0.01859	-0.07827
58_RPA0058_ugpB;_6	-0.21889	0.08833	-0.13252	0.00843
59_RPA0059_CDS;_651	-0.10234	0.09464	-0.02897	0.05880
60_RPA0060_CDS;_666	-0.06673	0.15779	-0.31970	-0.05552
61_RPA0061_arOA;_67	-0.06489	0.04679	0.04168	0.02462

62_RPA0062_CDS;__685	0.07155	-0.01938	0.09816	0.11112
63_RPA0063_cmk;__693	0.16433	-0.44777	-0.18054	0.05522
64_RPA0064_rpsA;__70	-0.30486	0.11864	-0.24039	-0.07603
65_RPA0065_sppA;__72	-0.00241	0.02861	-0.09562	-0.00029
66_RPA0066_ihfB;__73	0.15044	0.04143	-0.05875	-0.02162
67_RPA0067_CDS;__737	-0.05555	0.01340	0.09621	0.12149
68_RPA0068_trpF;__74	-0.10699	0.10136	-0.08559	0.00384
69_RPA0069_trpB;__7	-0.21040	0.09764	-0.09137	0.06930
70_RPA0070_trpA;__76	-0.26762	0.05698	-0.09680	-0.05542
71_RPA0071_accD;__77	-0.16258	-0.15628	-0.25813	0.04521
72_RPA0072_folC;__77	-0.12557	0.00991	0.11844	0.05123
73_RPA0073_trxA;__79	-0.20896	0.07408	-0.06208	0.02112
74_RPA0074_CDS;__799	-0.02065	-0.17497	0.01050	0.01570
75_RPA0075_CDS;__833	-0.01270	0.02929	0.10891	0.03928
76_RPA0076_CDS;__866	-0.11945	-0.06706	0.12221	-0.00531
77_RPA0077_CDS;__874	-0.02178	0.10108	-0.09384	-0.06667
78_RPA0078_CDS;__879	-0.04048	-0.05132	0.09411	-0.11973
79_RPA0079_CDS;__894	-0.03989	0.06190	0.06500	-0.04940
80_RPA0080_dut;__92	-0.13652	-0.00478	-0.14223	-0.12110
81_RPA0081_coaBC;__9	-0.14514	-0.03613	-0.06383	0.03405
82_RPA0082_ubiB;__94	-0.20508	-0.05134	0.02885	-0.00318
83_RPA0083_ubiE;__95	-0.20825	0.04562	0.00225	-0.03615
84_RPA0084_mutM;__96	-0.15919	0.02976	0.12973	-0.00736
85_RPA0085_CDS;__975	0.04857	-0.16852	-0.06457	-0.06062
86_RPA0086_moeB;__99	-0.00288	0.03285	0.22378	-0.21446
87_RPA0087_CDS;__100	-0.01800	-0.31070	-0.01582	0.04822
88_RPA0088_CDS;__101	0.15393	0.12936	-0.06424	0.09609
89_RPA0089_CDS;__102	-0.06569	0.05211	-0.10108	0.06866
90_RPA0090_CDS;__102	-0.17795	0.04860	0.03134	0.02202
91_RPA0091_CDS;__103	-0.11921	0.10509	-0.07976	-0.02538
92_RPA0092_CDS;__104	-0.02634	0.05163	0.23600	0.06569
93_RPA0093_CDS;__104	0.05513	0.07527	0.07661	0.06440
94_RPA0094_CDS;__105	-0.07106	0.05521	0.07702	-0.02013
95_RPA0095_CDS;__106	-0.07990	0.04410	-0.06744	0.02138
96_RPA0096_CDS;__107	-0.24908	0.03988	0.01063	0.00590
97_RPA0097_CDS;__110	0.03545	0.07882	-0.18059	0.01273
98_RPA0098_oppF;__11	-0.13687	0.06782	-0.02898	-0.09114
99_RPA0099_oppD;__11	-0.03425	-0.04265	0.09654	0.01900
100_RPA0100_oppC;__1	-0.04496	-0.11399	0.33100	-0.12776
101_RPA0101_oppB;__1	-0.07962	0.04476	0.06478	0.06323
102_RPA0102_oppA;__1	-0.09519	-0.02750	-0.01801	-0.13061
103_RPA0103_CDS;__11	0.07842	-0.20853	0.16759	0.01748
104_RPA0104_CDS;__11	-0.02432	-0.06783	0.02561	-0.04628
105_RPA0105_CDS;__11	0.03499	-0.01928	0.06730	-0.11869
106_RPA0106_CDS;__12	-0.23288	0.04573	0.03512	0.01344
107_RPA0107_CDS;__12	0.08983	-0.01441	-0.02952	-0.16919
108_RPA0108_CDS;__12	-0.05937	-0.00991	-0.00215	-0.00657
109_RPA0109_CDS;__12	0.02501	0.11996	-0.11045	-0.09273
110_RPA0110_CDS;__12	0.19239	0.11564	-0.04428	0.02974
111_RPA0111_CDS;__12	-0.03783	0.04209	0.09004	-0.06315
112_RPA0112_betB;__	-0.05088	0.06711	0.07738	-0.00673
113_RPA0113_CDS;__13	-0.10353	0.06798	0.05063	-0.01738
114_RPA0114_CDS;__13	0.13654	0.02512	0.23750	-0.03174
115_RPA0118_rmlC;__1	0.17138	0.16925	-0.20018	0.09134
116_RPA0119_rmlD;__1	0.14426	-0.46347	-0.02667	0.06069
117_RPA0120_rmlA;__	-0.00030	0.03515	0.16159	-0.04193
118_RPA0121_CDS;__13	0.41891	0.20821	-0.19667	0.05601

119_RPA0122_cph1_;	-0.12035	0.02290	0.17084	0.04925
120_RPA0123_CDS;_13	0.02384	-0.03803	0.12134	-0.01006
121_RPA0124_CDS;_14	-0.14952	-0.00990	0.20148	-0.11163
122_RPA0125_CDS;_14	-0.04922	0.04289	0.13898	0.08368
123_RPA0126_CDS;_14	-0.28754	-0.00910	-0.04576	0.07000
124_RPA0127_CDS;_14	-0.16036	0.05016	0.07636	0.06296
125_RPA0128_CDS;_14	-0.14319	0.05060	-0.04978	-0.15072
126_RPA0129_CDS;_14	-0.02368	-0.13289	0.04577	-0.01427
127_RPA0130_CDS;_14	-0.21616	-0.11358	0.01124	0.00415
128_RPA0131_CDS;_14	0.06612	0.05676	0.13156	0.06319
129_RPA0132_CDS;_14	0.00926	-0.55350	0.15018	0.13570
130_RPA0133_CDS;_14	-0.02430	0.01271	0.14018	0.01368
131_RPA0134_hydC;_1	-0.20651	-0.01097	0.03391	0.02364
132_RPA0135_CDS;_15	-0.08246	-0.09625	0.03147	0.07112
133_RPA0136_CDS;_15	-0.04838	0.06684	0.03379	0.01076
134_RPA0137_cheB2_;	-0.06569	0.09459	-0.03947	0.09651
135_RPA0138_cheR2_;	0.07070	-0.10950	-0.01178	-0.05220
136_RPA0139_CDS;_15	-0.21374	0.11177	-0.17392	-0.05811
137_RPA0140_cheW3_;	-0.10525	-0.44719	-0.24847	0.03905
138_RPA0141_cheW2_;	0.08900	-0.00175	0.22218	-0.44045
139_RPA0142_cheA;_1	-0.12696	-0.01609	-0.12561	0.02366
140_RPA0143_cheY2;_	-0.19858	0.09819	0.01759	0.09564
141_RPA0144_CDS;_16	0.45138	-0.39433	-0.17746	-0.10837
142_RPA0145_CDS;_16	0.12709	0.07754	0.12327	0.07512
143_RPA0146_CDS;_16	0.84146	-0.30653	-0.39933	0.14143
144_RPA0147_modE;_1	0.02372	-0.01750	0.09534	-0.07613
145_RPA0148_CDS;_16	0.11986	0.04260	0.01713	0.03023
146_RPA0149_CDS;_16	0.11402	0.05648	0.17055	-0.10648
147_RPA0150_CDS;_16	0.04936	0.04842	0.14045	0.07258
148_RPA0151_CDS;_16	0.04106	-0.22762	0.00672	0.05881
149_RPA0152_CDS;_17	-0.04838	0.06862	-0.04626	0.00252
150_RPA0153_CDS;_17	0.01191	0.07945	0.03988	0.02342
151_RPA0154_CDS;_17	0.13030	0.06026	-0.03812	0.16872
152_RPA0155_CDS;_17	0.12858	0.21306	-0.23200	0.12828
153_RPA0156_CDS;_17	0.27824	-0.42021	-0.16922	0.01069
154_RPA0157_CDS;_17	-0.18891	0.06447	0.09515	0.03460
155_RPA0158_rplU,_L2	-0.14080	0.06229	-0.24845	-0.04830
156_RPA0159_rpmA,_L2	0.10948	0.11909	-0.41764	-0.10311
157_RPA0160_CDS;_17	-0.02696	0.09562	-0.06624	-0.00740
158_RPA0161_CDS;_17	-0.04390	-0.02544	0.22000	0.06448
159_RPA0162_CDS;_18	-0.18071	0.09142	-0.04433	0.05994
160_RPA0163_proB;_1	-0.08913	0.03583	0.09548	0.07114
161_RPA0164_proA;_1	0.00590	0.04829	0.07309	0.01551
162_RPA0165_CDS;_18	0.14157	0.02257	0.21063	-0.04965
163_RPA0166_CDS;_18	0.01963	0.09911	-0.08846	-0.05541
164_RPA0167_CDS;_18	0.32622	-0.04808	0.23037	0.07612
165_RPA0168_CDS;_18	0.05175	0.07273	0.10668	-0.00820
166_RPA0169_ctpA;_1	-0.26210	0.01208	-0.14611	-0.00334
167_RPA0170_CDS;_18	0.04667	-0.06954	0.26212	-0.00766
168_RPA0171_invA1;_	-0.09923	0.15950	-0.08095	0.10995
169_RPA0172_CDS;_19	-0.11668	0.01826	0.15775	0.11624
170_RPA0173_CDS;_19	-0.05970	-0.02156	-0.02417	0.07905
171_RPA0174_invA2;_	-0.15337	0.02849	-0.02619	0.09572
172_RPA0175_atpC;_1	-0.22034	0.09181	-0.25299	0.07042
173_RPA0176_atpD;_1	-0.26001	0.12296	-0.32403	-0.13977
174_RPA0177_atpG;_1	-0.22255	0.04722	-0.04593	-0.01611
175_RPA0178_atpA;_1	-0.29758	0.12066	-0.26614	-0.07092

176_RPA0179_atpH;__1	0.00474	0.02933	-0.01728	-0.14735
177_RPA0180_rlpA;__2	0.04162	0.05246	-0.13247	0.00768
178_RPA0181_priA;__2	-0.02428	-0.11741	0.03638	0.02368
179_RPA0182_xerC;__2	0.11622	-0.08712	0.14103	0.01197
180_RPA0183_CDS;__20	-0.09696	0.02581	-0.08696	0.10534
181_RPA0184_CDS;__20	-0.19566	-0.09363	0.03621	-0.02243
182_RPA0185_dldH;__2	-0.23707	0.10094	-0.13053	-0.00914
183_RPA0186_CDS;__20	-0.00703	-0.10803	0.00731	0.00271
184_RPA0187_CDS;__20	-0.01410	0.06499	0.13148	0.15548
185_RPA0188_sucB;__2	-0.21322	0.09304	-0.12629	0.00166
186_RPA0189_sucA;__2	-0.23795	-0.02050	-0.13334	0.02778
187_RPA0190_sucD;__2	-0.25159	0.07883	-0.16275	-0.04286
188_RPA0191_sucC;__2	-0.30182	0.11097	-0.16831	-0.00065
189_RPA0192_mdh;__21	-0.23356	0.09302	-0.14503	-0.03158
190_RPA0193_CDS;__21	-0.07579	0.06598	-0.00456	0.03515
191_RPA0194_CDS;__21	-0.02429	-0.04599	0.08927	-0.09375
192_RPA0195_tesA;__2	-0.02511	-0.05419	0.10611	0.01086
193_RPA0196_CDS;__21	-0.14701	0.05597	0.08630	0.05593
194_RPA0197_CDS;__21	-0.03928	0.05817	0.11495	0.01433
195_RPA0198_CDS;__22	-0.22782	-0.00079	-0.15495	-0.06211
196_RPA0199_CDS;__22	-0.10624	0.02131	0.13269	0.15050
197_RPA0200_CDS;__22	-0.06104	0.06197	-0.07575	0.08514
198_RPA0201_CDS;__22	0.16755	-0.19049	-0.05055	0.01821
199_RPA0202_acnA;__2	-0.31774	0.08759	-0.18934	-0.07921
200_RPA0203_cycV,_cc	0.08686	-0.53278	0.01441	0.07059
201_RPA0204_cycW,_cc	-0.20589	0.03042	0.10818	0.07513
202_RPA0205_cycZ,_cc	-0.02922	-0.09471	0.21097	0.11503
203_RPA0206_cycY,_cc	-0.12256	0.00216	0.17264	0.01827
204_RPA0207_CDS;__23	-0.06616	0.12765	-0.49548	-0.22736
205_RPA0208_ispZ;__2	-0.26773	-0.08140	0.13150	0.06733
206_RPA0209_ftsY;__2	-0.24549	-0.03767	0.02571	0.02681
207_RPA0210_CDS;__23	0.12279	0.06819	0.09805	0.13266
208_RPA0211_CDS;__23	-0.29454	0.07828	-0.07496	0.04592
209_RPA0212_CDS;__23	-0.01356	0.07045	-0.01231	0.00527
210_RPA0213_CDS;__23	-0.03823	0.02245	-0.14955	-0.13639
211_RPA0214_CDS;__24	0.78905	0.04869	0.46292	-1.55906
212_RPA0215_CDS;__24	-0.16045	-0.03573	0.09762	0.01662
213_RPA0216_sdhB;__2	-0.21871	0.05829	-0.15171	0.00441
214_RPA0217_sdhA;__2	-0.31889	0.00994	-0.08843	0.00905
215_RPA0218_sdhD;__2	-0.20973	0.06428	-0.23672	0.03570
216_RPA0219_sdhC;__2	0.11253	0.11416	-0.02943	0.13425
217_RPA0220_czcD;__2	-0.08915	0.05398	0.03591	-0.02366
218_RPA0221_matB;__2	-0.20416	0.06044	0.00723	0.05321
219_RPA0222_CDS;__24	0.03993	0.02156	0.04991	0.19292
220_RPA0223_CDS;__24	-0.06198	-0.00869	0.04059	0.10438
221_RPA0224_CDS;__24	-0.03644	-0.10422	0.00775	0.12165
222_RPA0225_sodC;__2	0.00317	0.12783	0.08736	0.02406
223_RPA0226_CDS;__25	-0.13811	0.00988	0.11221	0.06617
224_RPA0227_leuB;__2	-0.30025	0.06045	-0.03066	0.02945
225_RPA0228_CDS;__25	-0.10066	0.14315	-0.32850	0.10218
226_RPA0229_CDS;__25	0.10527	-0.15678	0.07882	0.06893
227_RPA0230_asdB;__2	-0.28763	0.05507	-0.04260	-0.00906
228_RPA0231_CDS;__25	-0.09414	-0.00382	0.03844	0.14000
229_RPA0232_CDS;__25	-0.14427	0.09707	-0.05458	0.02431
230_RPA0233_CDS;__25	-0.20043	0.04572	0.03623	0.04781
231_RPA0234_CDS;__25	-0.08188	0.08980	-0.05484	-0.00363
232_RPA0235_leuD;__2	-0.28535	-0.07287	-0.12650	-0.04815

233_RPA0236_CDS;__26	-0.17866	0.03310	0.16054	0.13367
234_RPA0237_CDS;__26	-0.08171	-0.06748	-0.07776	-0.09472
235_RPA0238_CDS;__26	-0.01781	-0.04841	0.13322	0.02414
236_RPA0239_CDS;__26	0.21234	0.06382	0.07039	0.12798
237_RPA0240_leuC;__2	-0.29708	0.08438	-0.12526	0.00365
238_RPA0241_rplS_L1	-0.29062	0.06392	-0.15183	-0.08729
239_RPA0242_trmD;__2	0.12175	-0.20337	-0.00475	0.07362
240_RPA0243_rimM;__2	-0.14519	0.02907	0.16192	0.04396
241_RPA0244_rpsP_S1	-0.29405	0.05653	-0.31972	-0.10105
242_RPA0245_ffh_ftsY	-0.21437	-0.01516	-0.04147	-0.08056
243_RPA0246_CDS;__27	0.46306	-0.43671	-0.05848	0.12632
244_RPA0247_romA;__2	-0.12514	0.02869	0.15554	0.09862
245_RPA0248_bp26;__2	-0.06934	-0.50362	-0.18690	0.02136
246_RPA0249_CDS;__27	-0.09621	0.13462	-0.22545	-0.06217
247_RPA0250_dapF;__2	-0.13892	0.08494	0.07276	0.15021
248_RPA0251_CDS;__27	-0.01526	0.06087	0.07685	0.03295
249_RPA0252_CDS;__27	-0.08312	0.07257	0.05080	0.07299
250_RPA0253_CDS;__27	-0.19875	0.04461	0.06013	0.14192
251_RPA0254_gpdA;__2	-0.14301	0.00268	0.07536	-0.00865
252_RPA0255_gcp;__27	0.11344	-0.00149	-0.04737	-0.13229
253_RPA0256_CDS;__28	-0.11252	0.03656	0.13058	0.09933
254_RPA0257_CDS;__28	0.10901	-0.01113	0.11567	-0.05187
255_RPA0258_CDS;__28	-0.11146	-0.24375	0.04180	-0.10359
256_RPA0259_CDS;__28	-0.01702	-0.02635	0.03926	0.00669
257_RPA0260_CDS;__28	0.26337	-0.00120	-0.00416	0.01908
258_RPA0261_CDS;__28	0.05479	-0.09713	-0.00362	-0.00475
259_RPA0262_CDS;__28	-0.05334	-0.20215	0.07959	0.05492
260_RPA0263_CDS;__28	-0.00904	0.05666	-0.00502	-0.26434
261_RPA0264_CDS;__29	-0.01689	-0.00886	0.13892	0.03887
262_RPA0265_algJ;__2	0.20477	-0.21354	0.10222	0.01136
263_RPA0266_CDS;__29	0.00002	-0.06155	0.10158	-0.15553
264_RPA0267_trx;__29	-0.15141	0.02123	0.05820	-0.00981
265_RPA0268_CDS;__29	0.02707	0.04440	0.10009	0.08364
266_RPA0269_CDS;__29	0.03534	0.13219	0.00314	0.11896
267_RPA0270_ubiH;__2	-0.00398	-0.09208	0.00602	0.13454
268_RPA0271_tesB;__2	-0.31352	0.04205	0.01290	0.01640
269_RPA0272_glnK1;__	-0.14094	0.06962	-0.18049	0.16608
270_RPA0273_amtB1;__	-0.12778	-0.13589	-0.02783	0.02642
271_RPA0274_glnK2;__	-0.00422	0.07654	-0.04446	-0.01286
272_RPA0275_amtB2;__	-0.23937	0.04500	-0.25594	-0.05848
273_RPA0276_CDS;__30	0.15687	0.09222	-0.06499	-0.02503
274_RPA0277_CDS;__30	0.13541	0.12757	-0.11864	0.07709
275_RPA0278_CDS;__30	0.01963	0.04804	0.12177	0.07998
276_RPA0279_CDS;__30	-0.15661	0.07054	0.01004	-0.01762
277_RPA0280_CDS;__30	-0.06839	0.04677	0.11442	0.06735
278_RPA0281_xth;__31	-0.00410	-0.05434	0.00250	0.02211
279_RPA0282_CDS;__31	-0.14682	-0.09125	0.18789	0.09355
280_RPA0283_CDS;__31	-0.12770	0.00912	-0.07846	0.03965
281_RPA0284_CDS;__31	0.31920	-0.20157	0.11094	0.20334
282_RPA0285_CDS;__31	0.01745	0.04664	0.11992	-0.19403
283_RPA0286_CDS;__31	-0.01161	-0.15380	0.01546	0.01188
284_RPA0287_leuS;__3	-0.13059	-0.09639	-0.04412	0.01232
285_RPA0288_CDS;__31	-0.20720	0.05989	-0.02194	-0.01895
286_RPA0289_CDS;__31	0.13990	0.07602	0.09017	-0.03702
287_RPA0290_CDS;__32	0.55249	-0.35268	-0.51733	-0.11069
288_RPA0291_parB;__3	-0.03490	-0.00272	-0.01707	-0.09961
289_RPA0292_parA;__3	-0.04513	-0.12384	-0.07013	-0.03248

290_RPA0293_gidB;_3	0.44045	0.18291	-0.01594	0.03122
291_RPA0294_gidA;_3	0.21534	0.08020	0.03343	-0.02426
292_RPA0295_trmE,_mn	0.26329	-0.21659	0.06258	-0.06338
293_RPA0296_rho;_32	-0.17413	0.10647	-0.19288	-0.05242
294_RPA0297_CDS;_32	0.07964	0.09643	-0.02765	0.07016
295_RPA0298_CDS;_32	0.04377	0.04589	0.08717	-0.10389
296_RPA0299_maf;_32	0.10306	-0.02745	0.09018	-0.22312
297_RPA0300_coaE;_3	-0.07538	-0.02181	-0.08260	0.03099
298_RPA0301_dnaQ,_mu	-0.14585	0.03176	0.04203	-0.01329
299_RPA0302_secB;_3	-0.14872	-0.00958	0.22259	-0.11396
300_RPA0303_CDS;_33	0.01907	-0.09099	-0.06129	-0.01160
301_RPA0304_CDS;_33	0.22778	-0.04337	0.01464	-0.02173
302_RPA0305_CDS;_33	0.00729	-0.04464	0.13952	-0.23588
303_RPA0306_hslU;_3	-0.17405	0.07231	-0.00591	0.08181
304_RPA0307_CDS;_33	0.00987	0.08343	0.02171	-0.05004
305_RPA0308_hslV;_3	-0.12204	0.09000	-0.09055	0.02186
306_RPA0309_hisB;_3	-0.16897	0.03157	0.06185	0.03215
307_RPA0310_CDS;_33	-0.08147	-0.03354	0.04218	0.03215
308_RPA0311_hisH;_3	-0.11797	0.06635	0.03915	-0.13186
309_RPA0312_hisA;_3	-0.09951	0.12045	-0.10983	0.02802
310_RPA0313_hisF;_3	-0.19035	0.06636	-0.06126	0.01135
311_RPA0314_hisE;_3	-0.22189	0.12150	-0.16523	0.01414
312_RPA0315_coaA;_3	-0.18106	-0.01562	-0.05818	0.01993
313_RPA0316_CDS;_34	-0.13909	-0.13629	-0.02895	0.00294
314_RPA0317_CDS;_34	0.20969	-0.09996	0.08916	-0.14939
315_RPA0318_CDS;_34	0.01287	-0.05081	0.12544	0.08917
316_RPA0319_CDS;_34	-0.13244	0.01134	0.21077	-0.13628
317_RPA0320_CDS;_34	-0.06270	0.04654	-0.00742	0.00603
318_RPA0321_CDS;_34	0.08495	0.06578	0.11563	-0.03445
319_RPA0322_gshB;_3	-0.07713	0.04702	0.08805	-0.04666
320_RPA0323_CDS;_35	0.02142	0.05203	0.18507	0.12072
321_RPA0324_CDS;_35	0.21239	0.08487	0.06387	0.10499
322_RPA0325_CDS;_35	-0.01018	0.08125	0.05042	-0.04946
323_RPA0326_CDS;_35	0.37384	0.16904	0.12152	0.08451
324_RPA0327_hemN;_3	-0.04596	0.05631	0.07999	0.07716
325_RPA0328_CDS;_35	0.01811	0.08416	0.07789	-0.07916
326_RPA0329_rph;_35	-0.20102	0.07992	-0.07109	0.04755
327_RPA0330_hrcA;_3	-0.11044	-0.03917	-0.00781	-0.01379
328_RPA0331_CDS;_35	-0.23202	-0.00673	-0.14658	-0.06800
329_RPA0332_CDS;_35	0.00015	0.00016	0.02822	0.03298
330_RPA0333_dnaK;_3	-0.25002	0.10872	-0.18711	-0.06468
331_RPA0334_dnaJ;_3	-0.10322	0.07333	-0.15110	0.01760
332_RPA0335_CDS;_36	0.07938	0.13968	-0.24106	-0.01919
333_RPA0336_CDS;_36	-0.03612	0.05969	0.07983	0.14072
334_RPA0337_pyrF;_3	0.13244	-0.42513	-0.21467	0.00328
335_RPA0338_CDS;_36	-0.00327	0.10409	-0.14187	-0.01635
336_RPA0339_dapB;_3	-0.19703	-0.00619	-0.07589	0.01629
337_RPA0340_pgm;_3	-0.07562	0.06795	0.08129	0.07783
338_RPA0341_ogt;_36	0.00875	0.10110	-0.00138	0.09205
339_RPA0342_CDS;_36	0.13183	0.04393	0.25596	-0.14257
340_RPA0343_nth;_37	0.05345	0.08041	0.00004	-0.12773
341_RPA0344_CDS;_37	-0.02599	-0.00742	0.04158	-0.12576
342_RPA0345_CDS;_37	0.24015	-0.12774	0.09980	0.02847
343_RPA0346_CDS;_37	-0.12232	-0.04162	-0.00712	0.00875
344_RPA0347_aceK;_	-0.09744	0.04737	0.09091	0.10117
345_RPA0348_CDS;_37	0.08002	-0.49159	-0.02231	0.05010
346_RPA0349_dcm;_37	0.46410	0.07633	0.14155	-0.07952

347_RPA0350_vsr_;	3	0.65536	0.05530	-0.24494	0.08203
348_RPA0351_CDS;	38	0.42775	0.17756	-0.01491	0.01215
349_RPA0352_lepA;	3	-0.25370	0.05726	0.01107	0.04200
350_RPA0353_CDS;	38	-0.07388	-0.24863	0.02635	0.09052
351_RPA0354_CDS;	38	0.03510	0.02226	-0.10857	0.04143
352_RPA0355_CDS;	38	0.17913	0.07017	0.19550	-0.28065
353_RPA0356_CDS;	38	0.22535	0.07006	-0.17844	0.07913
354_RPA0357_exoS,	ch	-0.17276	0.05478	0.06104	0.07688
355_RPA0358_chvI;	3	-0.23407	0.03186	0.02300	-0.00113
356_RPA0359_CDS;	38	0.27697	0.08372	0.11721	-0.20960
357_RPA0360_pckA;	3	-0.31759	0.09223	-0.16651	-0.03744
358_RPA0361_CDS;	39	-0.29301	0.06844	-0.01230	0.03577
359_RPA0362_penP,	pe	-0.10048	0.04949	0.08124	-0.08694
360_RPA0363_CDS;	39	-0.00647	0.13453	-0.03903	0.01194
361_RPA0364_CDS;	39	-0.14153	0.02956	0.07402	0.09057
362_RPA0365_CDS;	39	-0.11708	0.05758	0.04981	-0.08006
363_RPA0366_CDS;	39	-0.17563	0.02512	-0.10953	0.02286
364_RPA0367_rpoH;	3	-0.14074	0.02782	-0.15366	-0.01531
365_RPA0368_rluD;	3	-0.03297	-0.07342	-0.00728	0.06835
366_RPA0369_CDS;	40	1.02154	0.09966	-0.10659	0.13561
367_RPA0370_CDS;	40	0.09456	0.02663	-0.01132	0.07409
368_RPA0371_metB;	4	-0.03106	0.04759	0.16322	0.03432
369_RPA0372_CDS;	40	-0.01666	-0.03781	0.37437	0.12514
370_RPA0373_trxC;	4	0.00545	0.11740	0.06443	0.22749
371_RPA0374_CDS;	40	0.11339	0.10412	-0.00846	0.02052
372_RPA0375_chaB_;		0.10203	0.04808	-0.02501	0.13368
373_RPA0376_pimt;	4	-0.00625	0.01567	-0.06377	-0.02949
374_RPA0377_CDS;	41	-0.17775	0.03856	0.01719	0.00647
375_RPA0378_melA;	4	-0.06867	-0.14794	-0.02582	-0.01920
376_RPA0379_pfkB_;		-0.17577	0.05294	-0.01386	-0.05074
377_RPA0380_CDS;	41	-0.00004	0.05299	0.09993	-0.10170
378_RPA0381_glgC;	4	-0.05577	-0.04764	-0.01025	-0.18246
379_RPA0382_glgA;	4	-0.05750	0.07756	0.01650	0.04409
380_RPA0383_CDS;	41	-0.10250	0.09298	-0.00661	0.12598
381_RPA0384_CDS;	42	0.09940	0.10995	0.04826	0.12236
382_RPA0385_radC;	4	0.03062	0.04050	0.13732	0.02010
383_RPA0386_CDS;	42	0.02260	0.07626	0.10048	-0.11579
384_RPA0387_map;	42	-0.19533	0.08944	-0.05643	0.01617
385_RPA0388_CDS;	42	-0.10578	0.01222	0.13137	0.05273
386_RPA0389_mepA;	4	-0.00934	0.03576	0.10777	0.07687
387_RPA0390_CDS;	42	-0.10785	0.04551	0.07936	-0.01118
388_RPA0391_CDS;	42	-0.10266	-0.02169	0.05125	0.05449
389_RPA0392_argG_;		-0.26880	0.07661	-0.02378	0.00762
390_RPA0393_CDS;	43	-0.20227	0.01799	0.10853	0.05349
391_RPA0394_CDS;	43	-0.10814	0.04712	0.10534	0.12632
392_RPA0395_CDS;	43	0.08063	0.12554	0.00137	0.08926
393_RPA0396_CDS;	43	-0.14456	0.01470	-0.06204	0.05477
394_RPA0397_CDS;	43	-0.04605	-0.22086	-0.05446	0.08256
395_RPA0398_CDS;	43	0.02518	0.10564	-0.00998	0.09890
396_RPA0399_CDS;	43	0.14982	0.10508	0.00782	-0.02185
397_RPA0400_CDS;	43	-0.12735	0.07115	-0.05368	-0.00614
398_RPA0401_CDS;	44	-0.06977	0.04018	0.11807	0.05536
399_RPA0402_CDS;	44	0.18656	-0.06237	0.22215	0.06916
400_RPA0403_CDS;	44	0.17236	0.04572	0.26345	0.09657
401_RPA0404_phhB;	4	0.17035	0.06837	0.14409	0.09864
402_RPA0405_CDS;	44	-0.01240	0.07078	0.05028	0.06132
403_RPA0406_CDS;	44	0.06798	-0.49504	-0.01129	0.10284

404_RPA0407_CDS;__44	-0.10890	0.01163	-0.06955	-0.04288
405_RPA0408_bipA;__4	-0.25243	-0.16920	-0.23019	-0.01032
406_RPA0409_CDS;__45	0.03432	-0.27197	-0.03546	0.06683
407_RPA0410_CDS;__45	-0.06064	0.04450	0.05529	0.01010
408_RPA0411_ppa;__45	-0.20522	0.04577	-0.00291	-0.03488
409_RPA0412_CPS1,_CP	-0.09834	-0.03777	0.12593	0.09218
410_RPA0413_CDS;__45	-0.23145	0.04546	0.03806	0.08853
411_RPA0414_CDS;__45	0.14027	0.02187	0.05406	0.15943
412_RPA0415_CDS;__45	0.36196	-0.12484	-0.09369	0.03372
413_RPA0416_CDS;__45	-0.09073	-0.18985	-0.08597	0.02752
414_RPA0417_CDS;__45	-0.01679	-0.48780	-0.00767	0.17579
415_RPA0418_CDS;__46	-0.02465	0.05641	-0.00108	-0.00022
416_RPA0419_CDS;__46	0.03426	0.05629	0.09059	-0.00058
417_RPA0420_CDS;__46	0.29114	0.02210	0.07730	-0.05165
418_RPA0421_CDS;__46	-0.04677	0.03250	0.14675	0.08449
419_RPA0422_CDS;__46	-0.12076	-0.23200	-0.08700	0.04094
420_RPA0423_CDS;__46	0.16500	0.07840	0.14292	0.05555
421_RPA0424_irr;__46	-0.01440	0.04815	0.03846	-0.24945
422_RPA0425_fabA;__4	-0.11202	0.12278	-0.12469	0.01173
423_RPA0426_fabB;__4	-0.20649	0.11042	-0.23216	-0.08399
424_RPA0427_CDS;__46	-0.26754	0.08657	-0.08985	0.03545
425_RPA0428_CDS;__46	0.08252	-0.20023	-0.03964	-0.06599
426_RPA0429_katG;__4	-0.27836	0.08563	-0.10984	-0.01394
427_RPA0430_oxyR;__	-0.00051	0.02406	0.18502	-0.06686
428_RPA0431_CDS;__47	-0.05926	0.02609	-0.01370	0.02806
429_RPA0432_pnp;__47	-0.28116	0.12628	-0.25873	-0.07976
430_RPA0433_rpsO;__4	-0.04803	0.07975	-0.38470	-0.17765
431_RPA0434_truB;__4	-0.02955	-0.02955	-0.00063	-0.02556
432_RPA0435_rbfA;__4	-0.23251	0.03997	-0.18193	-0.02253
433_RPA0436_infB;__4	-0.23490	0.11381	-0.20759	-0.05931
434_RPA0437_CDS;__48	0.32200	-0.01568	-0.04674	0.07968
435_RPA0438_nusA;__4	-0.25211	0.07703	-0.10086	-0.00509
436_RPA0439_CDS;__48	-0.08862	-0.08573	-0.13259	0.02065
437_RPA0440_CDS;__48	0.06905	0.04888	0.09654	-0.05529
438_RPA0441_CDS;__48	0.09950	0.05360	0.11064	-0.16710
439_RPA0442_CDS;__48	0.08709	0.08394	-0.01328	-0.21109
440_RPA0443_CDS;__48	0.25634	0.07879	-0.15798	-0.26819
441_RPA0444_lnt;__49	0.20858	-0.47682	-0.08750	0.03462
442_RPA0445_CDS;__49	-0.05778	0.01957	-0.04416	-0.08271
443_RPA0446_CDS;__49	0.00303	0.05748	0.10555	-0.45302
444_RPA0447_CDS;__49	-0.11770	0.09731	-0.05987	0.08893
445_RPA0448_miaB;__4	0.04108	-0.00139	-0.01666	0.03295
446_RPA0449_CDS;__49	0.35086	-0.08827	-0.04775	-0.21683
447_RPA0450_fur;__4	-0.15243	-0.06145	-0.22807	-0.01064
448_RPA0451_rimI;__4	0.38173	0.05041	-0.08799	0.02109
449_RPA0452_CDS;__49	0.03251	0.06304	-0.03179	-0.02030
450_RPA0453_CDS;__49	-0.15868	-0.22862	-0.02415	0.04554
451_RPA0454_CDS;__49	-0.05255	0.06962	0.07693	0.04355
452_RPA0455_trpS;__5	-0.18605	0.04455	0.01058	-0.00364
453_RPA0456_CDS;__50	0.03663	-0.03437	0.07260	0.07582
454_RPA0457_CDS;__50	-0.16358	0.07134	-0.06724	0.03724
455_RPA0458_CDS;__50	-0.01912	0.08559	0.05192	0.03032
456_RPA0459_CDS;__50	0.10936	0.06661	0.14591	0.14317
457_RPA0460_CDS;__50	-0.11368	-0.08342	0.03758	0.03722
458_RPA0461_gabD;__	-0.09900	0.06693	0.00011	-0.04306
459_RPA0462_CDS;__50	-0.10630	0.07607	0.08661	0.08846
460_RPA0463_CDS;__51	0.04722	-0.46859	-0.02582	0.06778

461_RPA0464_CDS;_51	-0.04125	-0.02074	0.06865	0.06553
462_RPA0465_CDS;_51	-0.02193	-0.04822	0.15427	0.02619
463_RPA0466_CDS;_51	-0.09843	0.03886	0.10701	0.06771
464_RPA0467_CDS;_51	-0.01666	-0.44973	-0.21198	0.04821
465_RPA0468_CDS;_51	0.00913	0.05427	0.02024	0.05629
466_RPA0469_AtsC;_5	-0.01295	0.07022	0.04500	0.04713
467_RPA0470_CDS;_51	-0.08223	0.03362	-0.10579	0.04391
468_RPA0471_CDS;_51	-0.05300	0.00840	0.18078	-0.00282
469_RPA0472_CDS;_52	0.01025	0.09107	0.02011	0.00986
470_RPA0473_PA3602;_	-0.03767	-0.02613	-0.02984	-0.04249
471_RPA0474_CDS;_52	-0.00282	-0.12295	0.15129	0.01377
472_RPA0475_CDS;_52	-0.17937	0.03749	0.04891	-0.11988
473_RPA0476_CDS;_52	0.06810	-0.14625	-0.08410	0.02418
474_RPA0477_CDS;_52	-0.04359	-0.00075	0.00215	0.05699
475_RPA0478_CDS;_52	0.39988	-0.03840	0.09811	0.13394
476_RPA0479_fabG;_	-0.09505	0.07739	-0.02068	0.04677
477_RPA0480_CDS;_53	0.03182	0.09885	0.03015	-0.12956
478_RPA0481_CDS;_53	-0.21216	0.08014	-0.08013	-0.07099
479_RPA0482_CDS;_53	-0.16319	0.06586	-0.00181	0.01774
480_RPA0483_CDS;_53	-0.03416	-0.02849	0.03779	0.02027
481_RPA0484_paaG2;_	-0.10764	-0.04691	-0.09060	0.01707
482_RPA0485_CDS;_53	-0.14860	-0.09780	-0.09677	0.04628
483_RPA0486_CDS;_53	0.38750	-0.17533	-0.01709	0.09254
484_RPA0487_CDS;_53	-0.14967	0.05277	0.05698	-0.08261
485_RPA0488_CDS;_53	-0.18382	0.00940	-0.11949	-0.01100
486_RPA0489_CDS;_54	0.05542	0.09833	-0.36436	-0.16759
487_RPA0490_CDS;_54	0.58845	0.04941	-0.03005	-0.00601
488_RPA0491_CDS;_54	0.02470	-0.08860	-0.07270	-0.00990
489_RPA0492_CDS;_54	0.07454	0.10939	0.03900	0.16234
490_RPA0493_rpmB,_L2	-0.09118	0.08249	-0.17102	-0.20774
491_RPA0494_CDS;_54	-0.04867	0.05314	0.08546	0.04253
492_RPA0495_CDS;_55	0.01453	0.00323	-0.01872	-0.04495
493_RPA0496_cobT;_5	-0.15619	-0.05352	-0.01466	0.02046
494_RPA0497_CDS;_55	0.56109	0.16450	0.01349	0.29085
495_RPA0498_cobS;_5	-0.14621	-0.11285	-0.04451	0.02955
496_RPA0499_CDS;_55	0.08947	-0.06841	0.16369	-0.29340
497_RPA0500_CDS;_55	-0.09542	-0.10845	0.08138	0.10914
498_RPA0501_CDS;_55	-0.02192	-0.02824	0.03825	-0.00007
499_RPA0502_CDS;_55	-0.19051	0.07392	-0.06735	0.01872
500_RPA0503_aroB;_5	-0.23003	0.04565	0.03818	0.08317
501_RPA0504_aroS;_5	0.03928	0.11523	-0.08639	0.08118
502_RPA0505_CDS;_55	0.05259	-0.08023	0.28956	0.08923
503_RPA0506_CDS;_56	0.10808	-0.22466	0.08597	0.07305
504_RPA0507_CDS;_56	0.06131	0.09912	0.02138	0.10841
505_RPA0508_accA;_5	-0.12678	-0.11810	-0.04700	0.08682
506_RPA0509_CDS;_56	-0.08199	-0.09186	-0.08879	-0.05073
507_RPA0510_secA;_5	-0.23815	0.11492	-0.16985	-0.00233
508_RPA0511_CDS;_56	0.01782	-0.34470	-0.36566	0.10908
509_RPA0512_mutS;_5	-0.16297	-0.04675	-0.03610	0.02699
510_RPA0513_pcaF;_	-0.22372	0.04080	0.01187	0.00771
511_RPA0514_FarB;_5	-0.22365	0.05566	-0.03773	0.01044
512_RPA0515_CDS;_57	-0.15015	-0.02527	0.01939	-0.08156
513_RPA0516_CDS;_57	-0.21938	0.05391	0.14273	0.17473
514_RPA0517_CDS;_57	-0.07036	-0.02987	0.07829	0.06259
515_RPA0518_CDS;_57	0.02896	0.00669	0.17820	0.08415
516_RPA0519_gcpE;_5	-0.18957	-0.05891	-0.12074	0.01707
517_RPA0520_nha;_57	-0.02458	-0.08956	0.08023	-0.00643

518_RPA0521_CDS;_58	-0.06235	0.02855	0.15012	-0.01317
519_RPA0522_CDS;_58	-0.05588	-0.21938	-0.02126	-0.06893
520_RPA0523_CDS;_58	-0.18900	0.02128	0.06419	0.02813
521_RPA0524_CDS;_58	-0.16615	0.10457	-0.03837	0.06354
522_RPA0525_CDS;_58	0.07787	0.12073	-0.10644	-0.14932
523_RPA0526_rpmF,_L3	0.07585	0.15021	-0.34206	0.16251
524_RPA0527_CDS;_58	-0.08067	0.07750	-0.09645	-0.01373
525_RPA0528_CDS;_58	0.50361	0.15640	0.06631	0.21765
526_RPA0529_CDS;_58	-0.05063	0.05281	0.01667	0.00511
527_RPA0530_CDS;_59	0.07159	-0.20486	0.00989	0.00638
528_RPA0531_CDS;_59	-0.05352	0.10157	-0.11980	-0.09395
529_RPA0532_CDS;_59	0.01959	-0.12195	-0.02243	-0.10874
530_RPA0533_CDS;_59	0.00003	0.00154	0.19563	-0.14819
531_RPA0534_CDS;_59	-0.03957	0.01256	-0.13958	-0.04687
532_RPA0535_hrpB;_5	-0.02391	0.06029	0.07482	0.09539
533_RPA0536_CDS;_59	0.00209	0.01810	0.16599	-0.06497
534_RPA0537_CDS;_59	-0.18243	0.09886	-0.12448	0.00198
535_RPA0538_CDS;_60	-0.10970	0.14458	-0.33933	-0.20530
536_RPA0539_CDS;_60	0.26896	0.05557	-0.00102	-0.11370
537_RPA0540_CDS;_60	0.23798	-0.04994	0.00953	0.11609
538_RPA0541_CDS;_60	-0.07880	0.05955	0.02220	0.01571
539_RPA0542_CDS;_60	-0.03459	0.02155	0.16286	-0.03524
540_RPA0543_CDS;_60	0.29003	0.13627	0.04176	-0.12036
541_RPA0544_CDS;_60	0.18100	0.05618	0.23824	-0.12124
542_RPA0545_CDS;_60	-0.08092	-0.54336	-0.06393	0.04333
543_RPA0546_CDS;_60	0.06712	-0.03340	0.09101	-0.12415
544_RPA0547_CDS;_60	-0.13022	0.02329	0.18710	-0.00536
545_RPA0548_CDS;_61	-0.04920	-0.06209	0.16704	0.00506
546_RPA0549_ChR;_6	-0.02139	0.04506	0.15266	0.10474
547_RPA0550_CDS;_61	0.06794	0.06776	0.08743	-0.02917
548_RPA0551_CDS;_61	0.09843	-0.32335	0.05611	-0.12255
549_RPA0552_dctA;_6	-0.17407	0.00666	0.11397	0.06396
550_RPA0553_CDS;_61	-0.13192	-0.08648	0.06231	0.06758
551_RPA0554_CDS;_61	0.02924	0.08968	0.10679	-0.10883
552_RPA0555_CDS;_61	0.02730	0.06886	0.09539	0.10834
553_RPA0556_CDS;_61	0.01163	0.07830	0.04516	0.05328
554_RPA0557_cysK;_6	-0.25637	-0.01775	-0.10760	-0.05881
555_RPA0558_purC;_	-0.23767	0.03980	0.07695	-0.06921
556_RPA0559_CDS;_62	-0.09757	0.02770	0.16166	-0.03956
557_RPA0560_MLYCD,_M	-0.13169	0.04549	0.06217	-0.02192
558_RPA0561_CDS;_62	-0.20676	0.10512	-0.08491	0.09471
559_RPA0562_CDS;_62	-0.14742	0.05088	-0.01899	-0.08037
560_RPA0563_CDS;_62	-0.04744	0.02521	0.08485	0.04618
561_RPA0564_CDS;_62	-0.20829	-0.00835	-0.05854	0.07101
562_RPA0565_CDS;_62	0.03932	0.04103	0.08592	0.04711
563_RPA0566_CDS;_62	0.01764	0.03866	-0.14423	-0.15152
564_RPA0567_CDS;_62	0.00399	-0.05049	0.08535	0.09682
565_RPA0568_CDS;_63	-0.15904	0.08448	0.03519	0.04739
566_RPA0569_CDS;_63	-0.03920	-0.02498	0.06730	-0.04434
567_RPA0570_CDS;_63	-0.09846	0.02796	0.07162	0.02563
568_RPA0571_RegR;_6	-0.25642	0.09529	-0.11792	0.02656
569_RPA0572_CDS;_63	-0.16932	0.04453	0.07623	0.02059
570_RPA0573_CDS;_63	0.05271	0.03830	0.12152	-0.08997
571_RPA0574_CDS;_63	0.01897	-0.20317	0.05444	-0.05431
572_RPA0575_CDS;_63	-0.10497	-0.18036	-0.03135	-0.14215
573_RPA0576_CDS;_63	-0.01277	-0.12672	-0.06320	0.02593
574_RPA0577_CDS;_64	-0.17172	-0.03568	0.05869	0.08530

575_RPA0578_CDS;_64	0.06206	0.04633	0.12536	-0.02859
576_RPA0579_CDS;_64	-0.05405	0.03632	0.14035	0.18714
577_RPA0580_CDS;_64	-0.13621	0.07705	0.04707	0.10570
578_RPA0581_CDS;_64	0.02643	0.06544	0.19557	-0.20831
579_RPA0582_CDS;_64	0.09501	0.01546	0.03022	-0.40558
580_RPA0583_CDS;_64	0.02895	-0.12674	0.05753	0.04522
581_RPA0584_CDS;_64	-0.23920	0.04513	0.01660	0.02153
582_RPA0585_CDS;_65	0.00551	-0.08695	0.15542	0.03480
583_RPA0586_CDS;_65	-0.00780	0.06450	0.18300	-0.06797
584_RPA0587_CDS;_65	-0.11067	0.03847	0.08397	0.03141
585_RPA0588_CDS;_65	-0.02161	0.05995	0.14577	-0.00464
586_RPA0589_CDS;_65	-0.19930	0.03198	0.06643	0.00571
587_RPA0590_prc;_65	-0.29929	-0.01446	-0.11149	-0.03816
588_RPA0591_glnD;_6	-0.18939	-0.05637	0.01987	0.06871
589_RPA0592_argJ;_6	-0.30028	0.05855	-0.05120	0.03994
590_RPA0593_CDS;_66	0.30171	-0.00233	0.05907	0.03634
591_RPA0594_mutT;_6	-0.17171	-0.24388	0.15222	0.07799
592_RPA0595_CDS;_66	-0.10851	-0.01765	0.05559	-0.02596
593_RPA0596_CDS;_66	-0.09313	0.04452	0.06035	0.11650
594_RPA0597_CDS;_66	0.08046	-0.03502	0.04398	-0.07156
595_RPA0598_CDS;_66	-0.18445	-0.09379	-0.06569	0.06618
596_RPA0599_CDS;_66	-0.13560	-0.21878	-0.08356	0.00289
597_RPA0600_CDS;_66	-0.05835	0.07536	-0.00250	0.06256
598_RPA0601_CDS;_66	-0.02616	0.05244	0.12509	0.13142
599_RPA0602_CDS;_66	-0.23066	-0.04812	-0.01146	0.00880
600_RPA0603_ubiG;_6	-0.07913	0.04190	0.14841	0.10293
601_RPA0604_lySC;_6	-0.14575	0.05974	0.02050	0.00490
602_RPA0605_ptsP;_6	-0.11336	0.08461	-0.06879	0.03577
603_RPA0606_prfA;_6	-0.17894	0.01945	-0.10211	0.02293
604_RPA0607_hemK;_6	0.41220	0.02358	-0.15468	0.06107
605_RPA0608_CDS;_67	0.03918	0.08756	-0.31214	-0.03755
606_RPA0609_CDS;_67	-0.01173	0.01991	0.13653	0.02562
607_RPA0610_CDS;_67	0.00669	-0.03245	-0.13694	0.06062
608_RPA0611_CDS;_67	0.06933	0.06671	0.18326	-0.29069
609_RPA0612_CDS;_67	-0.12386	0.06253	0.05161	0.08575
610_RPA0613_CDS;_68	-0.02928	0.06824	0.01028	0.06531
611_RPA0614_CDS;_68	0.10217	0.07402	0.22821	0.22237
612_RPA0615_dnaX;_6	-0.04782	0.06288	0.07387	-0.03391
613_RPA0616_CDS;_68	-0.07478	0.00366	-0.11240	-0.06977
614_RPA0617_recR;_6	0.21381	0.15410	-0.16660	0.02409
615_RPA0618_CDS;_68	0.13452	0.02023	0.21069	-0.01731
616_RPA0619_ampG;_	-0.13720	0.04698	0.08539	0.11264
617_RPA0620_CDS;_68	-0.00210	0.06684	0.07605	0.00168
618_RPA0621_def;_68	-0.15447	0.06675	0.01010	0.08163
619_RPA0622_fmt;_68	-0.03952	-0.13280	0.05966	-0.01068
620_RPA0623_truA;_6	-0.03598	-0.21109	-0.01516	-0.19824
621_RPA0624_dapE;_6	-0.05073	0.12499	-0.09439	-0.00671
622_RPA0625_CDS;_69	0.02311	0.13139	0.02440	0.11403
623_RPA0626_dapD;_6	-0.18869	0.13586	-0.20844	0.02898
624_RPA0627_CDS;_69	-0.19826	-0.01279	-0.01008	0.04722
625_RPA0628_CDS;_69	0.01029	0.10579	0.09392	0.01103
626_RPA0629_argB;_6	-0.21768	0.12906	-0.16039	0.06744
627_RPA0630_CDS;_69	0.08344	0.08200	0.16728	0.16269
628_RPA0631_CDS;_69	-0.15720	0.00734	-0.03465	0.08623
629_RPA0632_CDS;_69	-0.06784	-0.43975	-0.22792	0.07607
630_RPA0633_rnpA;_7	0.21408	0.01521	0.09089	0.10319
631_RPA0634_rpmH,_L3	0.35478	0.03809	0.07160	-0.04993

632_RPA0635_CDS;_70	-0.07339	0.03452	0.09801	-0.09331
633_RPA0636_CDS;_70	-0.09542	-0.08964	0.04497	-0.13789
634_RPA0637_CDS;_70	0.14941	-0.02399	0.13762	0.04159
635_RPA0638_CDS;_70	0.18249	-0.03175	0.02725	-0.04519
636_RPA0639_sigE;_7	0.02325	0.04700	0.13467	-0.32497
637_RPA0640_fliC;_7	-0.17672	-0.03214	0.03199	0.00174
638_RPA0641_fliD;_7	0.12103	0.05289	-0.00500	0.06045
639_RPA0642_CDS;_71	-0.01711	0.01439	0.28301	0.12833
640_RPA0643_CDS;_71	0.40702	0.22729	-0.15965	0.17976
641_RPA0644_flgD;_7	0.17054	0.15565	0.02564	0.14009
642_RPA0645_flgE;_7	0.15040	0.04328	-0.01468	0.06084
643_RPA0646_CDS;_71	0.10826	-0.05647	0.23702	0.04948
644_RPA0647_CDS;_71	0.12200	-0.22250	0.07160	0.12764
645_RPA0648_flgK;_7	0.01199	-0.47946	-0.11242	-0.07756
646_RPA0649_flgL;_7	0.04437	0.02022	0.05097	-0.00407
647_RPA0650_badK;_7	-0.08191	0.05229	0.11435	-0.00747
648_RPA0651_aliA;_7	-0.08088	-0.09749	0.04383	0.00221
649_RPA0652_aliB;_7	-0.08475	-0.04448	-0.02969	0.03461
650_RPA0653_badI;_7	-0.24829	0.07976	-0.06476	0.02531
651_RPA0654_badH;_7	-0.22213	0.08278	0.00414	0.09530
652_RPA0655_badR;_7	0.17029	0.07939	0.00735	0.00528
653_RPA0656_badC;_7	-0.03062	0.03226	0.17212	-0.03729
654_RPA0657_badD;_7	-0.08810	0.04746	0.09111	0.01820
655_RPA0658_badE;_7	-0.14243	0.08293	0.02493	0.07748
656_RPA0659_badF;_7	-0.10353	-0.01773	-0.07762	0.01518
657_RPA0660_badG;_7	-0.12544	-0.09329	-0.00826	0.00950
658_RPA0661_badA;_7	-0.07488	0.04025	0.07690	0.05087
659_RPA0662_badB;_7	0.10330	0.05584	0.09162	-0.37183
660_RPA0663_badM;_7	0.13331	-0.46750	-0.15292	0.11881
661_RPA0664_badL;_7	0.19839	0.04087	0.30141	-0.45050
662_RPA0665_hbaH;_7	-0.06157	0.05033	-0.02038	0.15409
663_RPA0666_hbaG;_7	-0.09902	-0.22486	0.01074	0.06826
664_RPA0667_hbaF;_7	-0.10608	0.03876	0.10986	-0.10781
665_RPA0668_hbaE;_7	-0.06025	0.11622	-0.11340	-0.02085
666_RPA0669_hbaA;_7	0.13712	0.08152	0.09940	-0.00297
667_RPA0670_hbaB;_7	0.00333	0.12105	-0.14833	0.00056
668_RPA0671_hbaC;_7	0.05614	-0.08845	0.11920	-0.07823
669_RPA0672_hbaD;_7	0.05488	-0.07993	0.12744	-0.05180
670_RPA0673_hbaR;_7	0.03032	0.03010	0.10011	-0.20069
671_RPA0674_CDS;_74	-0.05255	-0.11914	0.23988	0.05561
672_RPA0675_CDS;_74	0.05470	0.09747	-0.02807	-0.02548
673_RPA0676_CDS;_74	0.01123	0.10225	-0.06814	-0.00560
674_RPA0677_CDS;_74	-0.19364	0.05075	-0.04961	-0.03357
675_RPA0678_gltA;_7	-0.08462	-0.04010	-0.01960	-0.02853
676_RPA0679_CDS;_75	-0.04159	-0.02171	-0.03087	-0.03049
677_RPA0680_CDS;_75	0.24853	-0.11154	0.13498	0.02753
678_RPA0681_CDS;_75	0.03466	-0.44433	-0.14673	-0.15072
679_RPA0682_CDS;_75	0.02785	-0.04201	0.00034	0.03736
680_RPA0683_CDS;_75	0.07588	0.08204	-0.04863	-0.01086
681_RPA0684_CDS;_76	0.08513	0.18876	-0.25632	-0.55176
682_RPA0685_CDS;_76	0.27929	-0.35699	0.05256	-0.04371
683_RPA0686_CDS;_76	-0.00034	0.01959	-0.07066	0.00883
684_RPA0687_CDS;_76	-0.05500	-0.20012	-0.09365	0.05802
685_RPA0688_phnN;_7	0.07288	-0.46223	-0.00715	0.14202
686_RPA0689_phnM1;_7	-0.22688	0.06288	-0.00771	0.05729
687_RPA0690_phnL;_7	-0.18437	0.03235	0.10249	-0.05985
688_RPA0691_phnK;_7	0.02180	-0.52078	-0.02507	0.12087

689_RPA0692_phnJ;_7	-0.17524	0.03827	0.05454	0.02034
690_RPA0693_phnI;_7	-0.02133	0.08648	0.07486	0.06031
691_RPA0694_phnH;_7	0.14903	-0.02739	0.17593	0.00811
692_RPA0695_phnG;_7	-0.07026	0.06997	0.02403	0.08591
693_RPA0696_CDS;_77	0.04178	-0.04399	0.15523	-0.02964
694_RPA0697_phnE1;_	-0.04645	0.08936	0.01745	0.05725
695_RPA0698_phnE2;_	0.00821	0.07585	0.03019	0.07686
696_RPA0699_phnD;_7	-0.32949	0.09633	-0.13845	0.00311
697_RPA0700_phnC;_7	-0.15383	0.09724	-0.09853	0.06745
698_RPA0701_CDS;_77	0.08793	0.11775	-0.03487	0.09642
699_RPA0702_phnM2;_	-0.10916	0.06158	0.05457	-0.11673
700_RPA0703_CDS;_77	0.02067	-0.16192	0.12078	0.04436
701_RPA0704_CDS;_77	0.06001	0.08624	0.03053	0.08605
702_RPA0705_CDS;_77	0.07367	0.07111	-0.06191	0.13086
703_RPA0706_nthB;_	0.29086	-0.17224	0.08536	-0.20944
704_RPA0707_cutA;_7	-0.12967	0.06211	0.14777	0.14161
705_RPA0708_CDS;_78	0.44444	0.11396	-0.13424	-0.10850
706_RPA0709_CDS;_78	-0.03073	0.07903	0.11465	-0.30311
707_RPA0710_CDS;_78	0.60911	-0.40499	-0.19036	-0.27360
708_RPA0711_CDS;_78	-0.05693	0.07080	0.02022	0.03186
709_RPA0712_cobT,_co	-0.06281	0.01522	0.11683	0.06169
710_RPA0713_CDS;_78	0.07278	0.12105	-0.01014	-0.05107
711_RPA0714_cobU;_7	0.01554	0.12378	0.00618	0.10041
712_RPA0715_cobW;_7	-0.12555	0.06194	-0.01933	-0.03208
713_RPA0716_cobN;_	0.04566	-0.09757	0.09220	-0.06342
714_RPA0717_cobO,_co	-0.01613	0.05665	-0.18181	0.01695
715_RPA0718_cobQ,_cb	-0.07009	0.01835	0.12867	-0.04809
716_RPA0719_cobD,_cb	-0.00227	0.06300	0.05554	0.07978
717_RPA0720_CDS;_79	0.04375	0.04955	0.11346	-0.04587
718_RPA0721_cobC;_7	0.10943	-0.27514	-0.10182	-0.10112
719_RPA0722_fecE;_	-0.10540	-0.03726	0.03906	0.03536
720_RPA0723_CDS;_79	-0.15741	-0.04922	0.02366	0.01352
721_RPA0724_nxiA,_ni	-0.19083	-0.05290	0.07243	0.06512
722_RPA0725_sugE;_	-0.07993	-0.07075	0.50601	0.14006
723_RPA0726_btaB;_7	-0.09256	0.03540	0.09425	-0.05037
724_RPA0727_CDS;_79	-0.16280	0.03407	0.09412	0.03878
725_RPA0728_CDS;_80	0.29891	0.00133	0.00674	0.00032
726_RPA0729_CDS;_80	0.30075	-0.17729	0.09238	0.23449
727_RPA0730_CDS;_80	0.38122	0.03292	0.01576	0.03582
728_RPA0731_CDS;_80	-0.07429	-0.12619	0.04081	0.06770
729_RPA0732_fdsG;_8	-0.13281	-0.11865	0.08059	0.04824
730_RPA0733_fdsB;_8	-0.14856	0.05392	0.03791	-0.04653
731_RPA0734_fdsA;_8	-0.24296	0.01429	-0.01252	0.05853
732_RPA0735_fdsC;_8	-0.05270	0.07047	0.03251	0.02181
733_RPA0736_fdsD;_8	0.20759	-0.08378	0.25922	0.03023
734_RPA0737_CDS;_81	-0.08136	-0.01460	-0.01909	0.07369
735_RPA0738_CDS;_81	0.09157	0.15288	-0.12817	0.06615
736_RPA0739_cyc;_8	0.15747	-0.13483	0.02833	-0.19990
737_RPA0740_CDS;_81	0.14509	0.05574	0.13154	-0.25163
738_RPA0741_CDS;_81	-0.14020	0.05464	0.09939	0.09622
739_RPA0742_CDS;_81	-0.12942	0.05128	0.02240	-0.01898
740_RPA0743_CDS;_81	-0.03157	-0.02195	0.08550	-0.00404
741_RPA0744_CDS;_82	-0.04498	-0.04638	-0.03473	-0.01071
742_RPA0745_CDS;_82	-0.06932	0.00036	0.01340	0.01663
743_RPA0746_CDS;_82	-0.08867	-0.01138	-0.09482	0.03970
744_RPA0747_cysA;_	-0.09907	0.01013	-0.05396	-0.05506
745_RPA0748_cysW;_8	0.02996	0.08691	-0.06284	-0.20254

746_RPA0749_cysT;_8	-0.05309	0.04842	0.00552	0.02292
747_RPA0750_sbp;_8	-0.13537	0.04908	-0.26933	-0.07996
748_RPA0751_cysH;_8	0.14793	0.02885	-0.21821	-0.00746
749_RPA0752_cysD;_8	-0.12738	0.08432	-0.08481	-0.16005
750_RPA0753_cysN;_8	-0.19229	0.05834	-0.04790	-0.08548
751_RPA0754_CDS;_83	0.05376	-0.18727	-0.03241	0.09521
752_RPA0755_oppD;_8	-0.16849	0.05925	0.01757	0.04754
753_RPA0756_CDS;_83	-0.11625	-0.02050	-0.02944	0.05999
754_RPA0757_CDS;_83	0.79132	0.16094	-0.28815	0.04251
755_RPA0758_oppF,_ap	-0.10123	-0.26352	-0.08622	0.03268
756_RPA0759_dppC,_op	-0.15084	0.04678	0.10818	0.02497
757_RPA0760_nikB,_dp	-0.17200	-0.49600	-0.15998	0.05355
758_RPA0761_CDS;_84	-0.16190	-0.45782	-0.28849	-0.05177
759_RPA0762_CDS;_84	-0.11801	-0.01500	-0.00141	-0.02788
760_RPA0763_CDS;_84	0.11360	0.04990	0.21844	0.08680
761_RPA0764_CDS;_84	0.04740	0.05049	-0.13961	-0.01287
762_RPA0765_CDS;_84	-0.16669	0.03901	0.12901	0.08332
763_RPA0766_nnrR;_8	0.04317	0.05704	0.11685	0.06011
764_RPA0767_CDS;_85	0.01164	0.05474	0.11747	0.00851
765_RPA0768_CDS;_85	-0.10264	0.10549	0.03859	0.14722
766_RPA0769_CDS;_85	1.37033	-0.06541	-0.10386	0.06196
767_RPA0770_CDS;_85	0.21131	0.04078	0.06086	0.13272
768_RPA0771_CDS;_85	0.16928	0.06371	0.11278	0.07407
769_RPA0772_CDS;_85	1.11882	-0.12701	-0.18178	0.11109
770_RPA0773_CDS;_85	0.70319	0.09384	-0.09931	-0.10281
771_RPA0774_CDS;_85	0.28509	0.14419	-0.05497	-0.12883
772_RPA0775_CDS;_85	0.57863	-0.15763	0.06920	-0.02055
773_RPA0776_CDS;_85	-0.14575	-0.12092	0.13124	0.06690
774_RPA0777_CDS;_86	-0.07498	0.01880	-0.00477	0.01131
775_RPA0778_CDS;_86	-0.07766	0.05410	0.16290	0.00886
776_RPA0779_CDS;_86	-0.16630	0.01354	-0.09514	0.03257
777_RPA0780_CDS;_86	-0.06256	0.02974	0.06510	0.04578
778_RPA0781_CDS;_86	-0.05438	-0.24431	-0.01692	0.04472
779_RPA0782_CDS;_86	-0.15337	0.12026	-0.20117	-0.10522
780_RPA0783_CDS;_86	-0.09744	-0.05711	-0.04915	0.04396
781_RPA0784_CDS;_86	-0.09847	0.06938	0.02665	-0.04840
782_RPA0785_CDS;_87	-0.11869	0.05866	0.01251	-0.01807
783_RPA0786_CDS;_87	-0.10366	-0.04042	0.11055	-0.10763
784_RPA0787_CDS;_87	-0.14597	0.05134	0.03138	-0.19994
785_RPA0788_CDS;_87	-0.13199	-0.10062	0.05572	0.02993
786_RPA0789_CDS;_87	-0.17375	0.05376	0.06274	0.06031
787_RPA0790_CDS;_87	-0.13862	0.01966	0.19738	0.08445
788_RPA0791_exoI;_8	0.08372	0.07073	-0.00772	0.02285
789_RPA0792_CDS;_87	-0.05017	-0.06727	0.05109	0.06917
790_RPA0793_CDS;_88	-0.10211	-0.04554	-0.01214	-0.03979
791_RPA0794_acaP;_8	-0.15692	-0.04679	-0.13039	0.00374
792_RPA0795_CDS;_88	0.03931	-0.01899	0.07917	0.02680
793_RPA0796_CDS;_88	0.25172	-0.19722	-0.11177	0.08731
794_RPA0797_urαI;_8	-0.18726	-0.09129	0.12462	-0.04804
795_RPA0798_CDS;_88	-0.02122	-0.11137	0.13947	0.10327
796_RPA0799_CDS;_88	-0.13867	0.07921	0.14768	-0.15853
797_RPA0800_matE;_8	-0.03304	-0.22213	-0.02828	-0.01908
798_RPA0801_CDS;_88	0.01424	-0.02708	0.13338	0.09849
799_RPA0802_CDS;_88	-0.01588	0.07902	0.05763	0.02280
800_RPA0803_CDS;_89	-0.05454	0.08819	0.00782	0.16781
801_RPA0804_CDS;_89	0.02336	0.07231	0.00776	0.05760
802_RPA0805_CDS;_89	-0.25137	0.03019	-0.19396	-0.14763

803_RPA0806_CDS;__89	-0.26406	0.07520	-0.07549	0.02462
804_RPA0807_CDS;__89	-0.01734	-0.00287	-0.00627	0.03623
805_RPA0808_CDS;__89	-0.01665	-0.12021	0.19730	0.09096
806_RPA0809_CDS;__89	0.02161	0.05302	0.16054	-0.05019
807_RPA0810_CDS;__90	-0.03679	0.04652	0.14652	0.05574
808_RPA0811_CDS;__90	-0.03864	-0.19022	-0.03133	0.07236
809_RPA0812_CDS;__90	-0.17085	-0.05587	0.11789	-0.03678
810_RPA0813_CDS;__90	-0.18074	0.07929	-0.04457	0.07545
811_RPA0814_CDS;__90	-0.03014	-0.45830	-0.13404	0.03491
812_RPA0815_CDS;__90	0.35890	0.02369	-0.14260	0.21012
813_RPA0816_CDS;__90	-0.23148	0.03699	0.01803	-0.00764
814_RPA0817_CDS;__91	-0.27316	0.02916	-0.01635	-0.04972
815_RPA0818_CDS;__91	-0.29000	-0.01221	-0.05400	-0.01301
816_RPA0819_CDS;__91	1.24262	0.09411	-0.08155	0.01814
817_RPA0820_gst;__9	-0.16371	-0.27092	0.07541	-0.01639
818_RPA0821_CDS;__91	0.10524	0.07439	0.03880	0.07231
819_RPA0822_gshA;__9	-0.18305	0.06206	-0.06647	-0.03944
820_RPA0823_CDS;__92	0.03665	-0.00883	-0.04593	0.02812
821_RPA0824_lepB;__9	-0.14224	-0.03152	0.00314	0.04012
822_RPA0825_CDS;__92	-0.10908	0.05848	0.01762	0.03621
823_RPA0826_CDS;__92	0.18836	0.02719	0.22486	-0.45051
824_RPA0827_CDS;__92	0.43619	-0.09193	0.11202	0.20548
825_RPA0828_CDS;__92	0.00270	0.02145	0.11846	0.07704
826_RPA0829_ohr;__9	-0.13349	0.06763	0.00397	-0.01740
827_RPA0830_CDS;__92	-0.00905	0.12610	-0.05735	0.11080
828_RPA0831_coxB;__9	-0.02638	-0.04154	-0.17388	-0.06851
829_RPA0832_coxA;__9	-0.16116	-0.03798	-0.00851	0.05709
830_RPA0833_coxE;__9	-0.13947	0.05859	0.02564	0.08798
831_RPA0834_CoxF;__9	-0.13225	-0.07300	0.00087	-0.04050
832_RPA0835_coxG;__9	0.08205	0.09748	0.00846	-0.01463
833_RPA0836_coxC;__9	-0.15434	-0.04629	-0.10089	-0.00202
834_RPA0837_CDS;__93	0.04887	-0.13411	0.06836	0.03332
835_RPA0838_CDS;__93	-0.04442	-0.06502	0.13191	-0.10973
836_RPA0839_thrC;__9	-0.08518	0.04605	0.02042	0.01313
837_RPA0840_mpp;__93	-0.05956	-0.10016	-0.01404	0.09618
838_RPA0841_CDS;__93	-0.10585	0.08171	0.02045	0.10368
839_RPA0842_CDS;__93	-0.03166	-0.15752	0.03664	-0.07433
840_RPA0843_atpF1;__	-0.19695	0.01197	-0.12902	-0.02638
841_RPA0844_atpF2;__	-0.07658	0.00070	-0.16801	-0.13548
842_RPA0845_atpE;__9	-0.17176	0.14170	-0.55004	-0.42157
843_RPA0846_atpB;__9	-0.05755	0.06507	-0.06300	-0.03411
844_RPA0847_atpI;__9	0.81408	0.12888	0.00848	0.11329
845_RPA0848_CDS;__94	0.00782	-0.01553	-0.08507	-0.00950
846_RPA0849_CDS;__94	0.08484	0.07444	0.12140	-0.08061
847_RPA0850_CDS;__94	0.14392	-0.03869	0.06778	-0.09116
848_RPA0851_CDS;__94	-0.19554	0.06971	-0.06620	0.00721
849_RPA0852_CDS;__94	-0.11008	-0.00604	-0.02074	0.06113
850_RPA0853_CDS;__94	-0.13152	0.05567	0.05187	0.01913
851_RPA0854_hemO;__9	-0.14012	0.02247	-0.14917	-0.10944
852_RPA0855_CDS;__95	-0.07044	-0.17021	-0.01925	-0.09825
853_RPA0856_CDS;__95	-0.09230	-0.01129	0.01208	-0.08000
854_RPA0857_CDS;__95	-0.15593	0.11615	-0.44416	-0.21695
855_RPA0858_CDS;__95	0.06047	0.03990	0.07995	-0.08608
856_RPA0859_CDS;__95	-0.09659	0.01044	0.08926	-0.05299
857_RPA0860_CDS;__95	-0.04000	0.03902	-0.05453	0.08314
858_RPA0861_CDS;__95	-0.14650	0.08069	-0.00561	-0.08436
859_RPA0862_CDS;__95	-0.10179	-0.24106	0.00967	-0.13477

860_RPA0863_CDS;__95	-0.16725	0.01271	0.13201	0.05769
861_RPA0864_CDS;__96	0.11636	0.02030	0.00003	-0.12177
862_RPA0865_CDS;__96	-0.28232	-0.03139	-0.25349	-0.05745
863_RPA0866_rnk_ ;__9	0.09151	0.12831	-0.07943	-0.09686
864_RPA0867_CDS;__96	-0.06061	-0.19257	-0.15123	-0.00425
865_RPA0868_CDS;__96	-0.22679	0.02410	-0.03963	0.05377
866_RPA0869_CDS;__96	0.07632	0.15860	-0.22029	-0.00853
867_RPA0870_CDS;__96	-0.31160	0.05996	-0.15248	-0.10283
868_RPA0871_CDS;__96	-0.23886	0.00099	-0.01132	0.06166
869_RPA0872_CDS;__96	-0.22392	0.03807	0.07607	0.06549
870_RPA0873_CDS;__96	-0.24164	0.06204	-0.02208	-0.03167
871_RPA0874_CDS;__96	0.08306	-0.14732	0.02944	-0.00524
872_RPA0875_hemZ;__9	-0.18556	0.02561	-0.01612	0.00534
873_RPA0876_CDS;__97	-0.18564	-0.04003	-0.01101	-0.12145
874_RPA0877_CDS;__97	-0.00757	-0.01770	0.09428	0.07051
875_RPA0878_CDS;__97	0.24335	-0.06166	-0.00794	0.03039
876_RPA0879_kpsF;__9	-0.19227	0.08700	-0.04928	0.03582
877_RPA0880_CDS;__97	-0.10306	-0.20756	-0.04152	-0.00491
878_RPA0881_CDS;__97	0.00725	-0.23319	-0.03418	0.04104
879_RPA0882_CDS;__97	-0.23240	-0.03703	0.21806	0.04836
880_RPA0883_CDS;__98	-0.09761	0.08171	-0.01472	0.08179
881_RPA0884_CDS;__98	-0.15096	0.13360	-0.09366	0.04904
882_RPA0885_CDS;__98	-0.09828	0.12540	-0.06152	0.07072
883_RPA0886_CDS;__98	-0.15181	0.04115	0.08366	-0.16288
884_RPA0887_exoN;__9	-0.27311	0.07708	-0.07492	-0.00468
885_RPA0888_CDS;__98	0.00518	0.08826	-0.06638	0.05949
886_RPA0889_hspD;__9	-0.08332	0.01036	-0.05851	-0.03404
887_RPA0890_CDS;__98	0.01494	-0.04885	0.10543	0.10516
888_RPA0891_gltB;__9	-0.25872	0.00946	-0.16186	-0.07250
889_RPA0892_gltD;__9	-0.20831	-0.00946	-0.12399	-0.01133
890_RPA0893_CDS;__99	0.07302	0.10388	-0.02971	-0.14422
891_RPA0894_CDS;__99	0.12900	0.12712	-0.01152	-0.05352
892_RPA0895_CDS;__99	-0.00395	0.13153	-0.11024	-0.07703
893_RPA0896_CDS;__99	-0.17268	0.02600	0.08389	-0.28120
894_RPA0897_CDS;__99	-0.10056	0.01762	-0.07690	-0.01868
895_RPA0898_dapA;__1	0.10762	0.07625	0.14994	0.14690
896_RPA0899_CDS;__10	-0.10367	0.08277	0.00374	0.08641
897_RPA0900_CDS;__10	0.02938	0.06338	0.04738	0.05611
898_RPA0901_CDS;__10	-0.11011	-0.05288	0.07526	0.01707
899_RPA0902_CDS;__10	-0.05970	0.03518	0.00874	-0.03874
900_RPA0903_CDS;__10	0.26440	-0.18928	0.04927	-0.09067
901_RPA0904_CDS;__10	0.00169	-0.07768	-0.09737	0.09062
902_RPA0905_CDS;__10	0.08482	0.17198	-0.74135	-0.40350
903_RPA0906_CDS;__10	-0.16120	0.02899	0.10319	-0.07368
904_RPA0907_CDS;__10	-0.14756	0.04434	-0.14856	0.09712
905_RPA0908_CDS;__10	-0.23610	-0.00112	-0.09157	-0.02099
906_RPA0909_wrbA;__	-0.17083	-0.02187	-0.10800	-0.03786
907_RPA0910_CDS;__10	-0.10561	0.02892	-0.03847	-0.03861
908_RPA0911_CDS;__10	-0.13615	-0.01742	0.20033	-0.01300
909_RPA0912_CDS;__10	-0.01484	0.10613	-0.03718	-0.05565
910_RPA0913_CDS;__10	0.04417	-0.06456	-0.07294	0.09960
911_RPA0914_CDS;__10	-0.24048	0.05383	-0.00234	0.00268
912_RPA0915_CDS;__10	-0.08256	0.04923	0.05245	0.06298
913_RPA0916_CDS;__10	0.32054	0.07259	-0.20191	0.01537
914_RPA0917_CDS;__10	-0.20268	-0.03886	0.09508	-0.02602
915_RPA0918_CDS;__10	-0.31323	-0.06269	-0.10239	-0.05858
916_RPA0919_CDS;__10	-0.17401	0.02946	0.09871	-0.03054

917_RPA0920_CDS;_10	-0.25566	-0.00751	0.03106	0.02233
918_RPA0921_CDS;_10	-0.22037	-0.02949	-0.00968	0.03107
919_RPA0922_CDS;_10	-0.14826	0.02684	0.11001	0.08521
920_RPA0923_CDS;_10	-0.11305	0.01370	0.10156	0.05325
921_RPA0924_CDS;_10	-0.11850	0.04358	0.08378	-0.11292
922_RPA0925_CDS;_10	0.43278	0.21527	-0.54102	-0.35514
923_RPA0926_CDS;_10	-0.04692	-0.05397	-0.08339	-0.10601
924_RPA0927_CDS;_10	-0.08485	-0.23575	-0.00726	0.14164
925_RPA0928_CDS;_10	-0.07122	-0.00875	0.07200	0.08393
926_RPA0929_CDS;_10	0.09650	-0.13587	0.07743	-0.08830
927_RPA0930_CDS;_10	-0.14463	0.03166	0.12316	0.11529
928_RPA0931_ubiD;_1	-0.10238	-0.15943	0.08209	0.02657
929_RPA0932_CDS;_10	-0.02908	0.03736	0.05766	0.09205
930_RPA0933_CDS;_10	-0.27572	-0.03164	-0.00657	0.01078
931_RPA0934_CDS;_10	-0.23058	0.08058	-0.08184	0.04705
932_RPA0935_CDS;_10	0.38529	0.03913	-0.02829	0.11008
933_RPA0936_CDS;_10	0.42513	0.11004	0.06990	0.12370
934_RPA0937_CDS;_10	-0.28633	0.08075	-0.06355	0.00501
935_RPA0938_CDS;_10	-0.05254	0.02839	-0.12301	0.04980
936_RPA0939_CDS;_10	-0.04524	0.01535	0.12049	0.06182
937_RPA0940_CDS;_10	-0.22244	-0.04048	-0.15416	-0.00776
938_RPA0941_CDS;_10	0.50119	0.10791	-0.17141	0.06425
939_RPA0942_CDS;_10	0.07981	0.13946	-0.08694	0.01708
940_RPA0943_cbbK;_1	-0.33314	0.09026	-0.18256	-0.03717
941_RPA0944_cbbG;_1	-0.30657	0.09728	-0.22310	-0.04522
942_RPA0945_cbbT2;_1	-0.14053	0.06643	-0.01049	0.05163
943_RPA0946_CDS;_10	0.24125	0.03262	-0.07613	-0.01066
944_RPA0947_CDS;_10	-0.17113	0.11310	0.00928	0.08053
945_RPA0948_CDS;_10	-0.00792	-0.17121	0.03699	-0.03370
946_RPA0949_matE;_1	-0.07754	-0.12487	-0.04274	0.07275
947_RPA0950_tly;_10	-0.07440	0.03578	0.07498	-0.00663
948_RPA0951_CDS;_10	-0.06504	-0.14366	0.12571	0.07108
949_RPA0952_dxS;_10	-0.24734	0.09102	-0.07567	0.00115
950_RPA0953_xseB;_1	-0.08675	-0.53822	-0.12867	0.00208
951_RPA0954_CDS;_10	-0.08053	0.07839	-0.01681	-0.01888
952_RPA0955_CDS;_10	0.02937	0.07371	0.08246	0.13373
953_RPA0956_CDS;_10	-0.07772	0.03196	0.08763	0.02227
954_RPA0957_CDS;_10	-0.07604	0.04123	0.09635	0.08439
955_RPA0958_CDS;_10	-0.14882	0.08069	-0.01601	0.04294
956_RPA0959_hupU;_1	0.00477	0.04566	0.16063	0.04283
957_RPA0962_hupS;_1	-0.18472	-0.03735	0.02520	-0.08585
958_RPA0963_hupL;_1	-0.28830	0.04367	-0.01015	0.00707
959_RPA0964_hupC;_1	-0.12732	0.01342	0.15856	0.04860
960_RPA0965_hupD;_1	0.15363	0.09467	0.03439	0.06953
961_RPA0966_hupE;_1	-0.01816	0.02936	0.11471	-0.15130
962_RPA0967_hupF;_1	-0.17930	-0.29359	0.06552	0.02517
963_RPA0968_hupG;_1	0.06635	-0.48036	0.00119	0.17704
964_RPA0969_hupH;_1	-0.02242	0.05958	0.05226	-0.05693
965_RPA0970_hupI;_1	0.35896	0.35912	-0.65086	-0.13027
966_RPA0971_hupJ;_1	0.01287	0.06769	0.05951	0.04135
967_RPA0972_hupK;_1	0.14902	-0.08513	0.04021	0.03909
968_RPA0973_hypA;_1	-0.03117	-0.20749	0.15816	0.04000
969_RPA0974_hypB;_1	0.02518	-0.15985	0.00285	-0.04016
970_RPA0975_hypF;_1	0.00919	-0.11930	0.07528	-0.04642
971_RPA0976_hypC;_1	0.15929	-0.51216	0.09708	0.20420
972_RPA0977_hypD;_1	-0.07925	-0.01211	0.06934	-0.06326
973_RPA0978_hypE;_1	-0.09593	-0.35893	0.05653	0.08856

974_RPA0979_hoxA;_1	-0.04760	-0.02888	0.04781	-0.08107
975_RPA0980_CDS;_10	-0.00448	-0.12512	0.04989	-0.05062
976_RPA0981_CDS;_10	-0.01126	0.03450	0.12730	-0.04924
977_RPA0982_pcaR;_	-0.09421	-0.18312	0.15143	0.03667
978_RPA0983_CDS;_10	-0.22654	-0.00087	-0.03214	0.02865
979_RPA0984_glnA4;_	-0.12570	0.04795	-0.00057	0.00752
980_RPA0985_CDS;_10	-0.13874	0.08831	-0.07999	-0.05829
981_RPA0986_CDS;_10	-0.07049	-0.51860	-0.12252	0.04720
982_RPA0987_CDS;_10	-0.09442	-0.08391	-0.01235	0.02892
983_RPA0988_CDS;_10	0.00967	-0.00965	-0.06644	0.01523
984_RPA0989_CDS;_10	0.00456	-0.49764	-0.09889	-0.12555
985_RPA0990_CDS;_10	-0.04324	-0.01607	0.02087	0.02287
986_RPA0991_CDS;_10	0.10175	0.01915	0.08414	0.00324
987_RPA0992_CDS;_10	0.04014	0.01049	0.19094	0.10233
988_RPA0993_CDS;_10	0.18105	0.09158	0.07968	-0.08708
989_RPA0994_CDS;_10	-0.07827	-0.23911	0.06774	0.09034
990_RPA0995_CDS;_10	-0.18293	0.08939	-0.04865	0.03872
991_RPA0996_CDS;_11	0.16278	0.05897	0.19360	0.13463
992_RPA0997_CDS;_11	0.19208	-0.20723	-0.00604	0.07180
993_RPA0998_CDS;_11	-0.06995	0.01420	0.09403	-0.00558
994_RPA0999_PA5115;_	-0.07385	0.06607	-0.00234	-0.01068
995_RPA1000_CDS;_11	-0.18314	0.08228	-0.10065	0.03333
996_RPA1001_CDS;_11	0.07786	-0.01467	0.11723	0.01646
997_RPA1002_modD;_	-0.10433	0.03867	0.06000	0.05755
998_RPA1003_CDS;_11	-0.09868	0.06887	0.03410	-0.00675
999_RPA1004_CDS;_11	-0.00100	-0.08925	0.03053	0.18564
1000_RPA1005_CDS;_1	0.13879	0.11073	0.02732	0.00265
1001_RPA1006_CDS;_1	0.08766	0.08889	0.12106	-0.14844
1002_RPA1007_mhpB;_	-0.13137	0.11355	-0.09713	0.03879
1003_RPA1008_PA0248_	0.04108	0.05539	0.13811	-0.02225
1004_RPA1009_CDS;_1	-0.20474	0.02110	0.08832	0.01910
1005_RPA1010_CDS;_1	-0.08739	0.04734	0.14134	-0.04583
1006_RPA1011_CDS;_1	0.03867	-0.03305	0.17788	-0.20237
1007_RPA1012_CDS;_1	0.04595	-0.10351	0.20300	0.09965
1008_RPA1013_fixG;_	-0.26094	-0.01195	-0.01607	0.01186
1009_RPA1014_CDS;_1	0.45826	0.10362	0.10721	0.20385
1010_RPA1015_CDS;_1	0.10322	0.06391	0.30594	-0.32496
1011_RPA1016_petA;_	-0.12723	0.11141	-0.14731	-0.02730
1012_RPA1017_CDS;_1	-0.16538	0.02788	0.10647	0.05945
1013_RPA1018_CDS;_1	0.03267	0.08583	-0.14610	-0.31609
1014_RPA1019_CDS;_1	0.29774	-0.54433	0.11535	0.00174
1015_RPA1020_CDS;_1	-0.07985	-0.04420	0.06388	0.03432
1016_RPA1021_CDS;_1	-0.13816	-0.02764	-0.01918	0.00337
1017_RPA1022_CDS;_1	-0.17334	0.05400	-0.08300	-0.00991
1018_RPA1023_CDS;_1	0.18096	-0.06512	0.06222	0.09093
1019_RPA1024_CDS;_1	0.10138	-0.03401	0.06779	-0.05930
1020_RPA1025_CDS;_1	-0.10105	0.05299	0.03093	0.01138
1021_RPA1026_CDS;_1	0.04320	0.12501	-0.16965	-0.04279
1022_RPA1027_CDS;_1	-0.10496	-0.18606	-0.10179	0.01546
1023_RPA1028_moaB;_	0.03399	0.05302	0.14053	0.05818
1024_RPA1029_CDS;_1	-0.04524	0.05445	0.12134	-0.09973
1025_RPA1030_CDS;_1	0.06986	-0.18832	0.01919	-0.04360
1026_RPA1031_CDS;_1	0.10615	0.07341	0.19263	0.01887
1027_RPA1032_CDS;_1	-0.09343	0.10051	0.02425	0.10031
1028_RPA1033_CDS;_1	-0.09376	0.08041	-0.00344	0.00573
1029_RPA1034_rnh2;_	-0.02356	-0.02163	0.00870	-0.00791
1030_RPA1035_CDS;_1	-0.04767	0.02274	0.13051	-0.16429

1031_RPA1036_polN;_1	-0.20798	0.07585	0.00721	0.07053
1032_RPA1037_CDS;_1	-0.19276	0.01727	-0.14730	-0.07154
1033_RPA1038_CDS;_1	-0.20534	0.09077	-0.07894	0.01695
1034_RPA1039_ispE;_1	-0.11281	-0.04350	-0.00480	-0.02409
1035_RPA1040_CDS;_1	-0.23785	0.10356	-0.15963	-0.01940
1036_RPA1041_CDS;_1	0.10516	-0.03817	0.12545	0.17857
1037_RPA1042_CDS;_1	0.15973	0.01751	0.20368	-0.11202
1038_RPA1043_CDS;_1	-0.08836	0.04854	0.00363	0.01614
1039_RPA1044_CDS;_1	0.54337	0.17156	-0.20001	-0.27840
1040_RPA1045_sygA;_1	-0.21235	0.05693	0.03936	0.04489
1041_RPA1046_CDS;_1	0.35931	0.13675	0.10211	-0.02552
1042_RPA1047_sygB;_1	0.17745	-0.10457	-0.04596	0.04751
1043_RPA1048_CDS;_1	-0.24596	-0.04706	0.04475	-0.02759
1044_RPA1049_CDS;_1	0.02618	0.08439	0.00273	-0.03357
1045_RPA1050_CDS;_1	0.51693	0.29654	-0.57853	-0.53311
1046_RPA1051_CDS;_1	-0.32153	0.07612	-0.09924	-0.00824
1047_RPA1052_CDS;_1	-0.12211	-0.00708	-0.17759	-0.06237
1048_RPA1053_nadC;_1	-0.13554	0.09841	-0.06295	0.04156
1049_RPA1054_nadB;_1	-0.08788	0.08054	0.02158	0.01666
1050_RPA1055_nadA;_1	-0.21823	0.00867	-0.04654	0.04230
1051_RPA1056_CDS;_1	-0.06982	-0.06155	-0.05969	-0.03718
1052_RPA1057_CDS;_1	0.16920	-0.04104	-0.08141	-0.02336
1053_RPA1058_CDS;_1	0.08832	0.08429	0.02088	-0.03480
1054_RPA1059_CDS;_1	0.12397	-0.44474	-0.15127	-0.03733
1055_RPA1060_CDS;_1	0.19038	0.06174	0.11720	0.11215
1056_RPA1061_tcmP;_1	0.09241	0.06612	0.05595	0.01421
1057_RPA1062_CDS;_1	-0.03056	0.05555	0.04563	0.00178
1058_RPA1063_CDS;_1	-0.07589	0.01854	-0.02779	0.06299
1059_RPA1064_CDS;_1	-0.01519	0.04261	0.16057	0.05574
1060_RPA1065_CDS;_1	-0.08200	0.09258	-0.00131	0.11076
1061_RPA1066_CDS;_1	0.50433	0.09950	0.39182	-0.10732
1062_RPA1067_tag;_1	-0.01103	-0.16208	-0.23108	-0.02383
1063_RPA1068_CDS;_1	-0.00127	-0.27745	-0.07917	-0.06896
1064_RPA1069_pyrC;_1	-0.09549	-0.13128	-0.05908	-0.01773
1065_RPA1070_CDS;_1	0.08189	0.01103	-0.00993	-0.00208
1066_RPA1071_CDS;_1	0.04228	0.13282	0.06420	0.15551
1067_RPA1072_CDS;_1	0.04383	0.08177	0.06267	0.16067
1068_RPA1073_CDS;_1	-0.04780	-0.04304	0.11410	-0.11943
1069_RPA1074_CDS;_1	0.02031	0.17604	-0.10210	0.20944
1070_RPA1075_CDS;_1	0.02793	-0.22369	-0.02104	0.08563
1071_RPA1076_CDS;_1	-0.17781	0.04262	-0.00843	-0.00708
1072_RPA1077_CDS;_1	0.09190	-0.03922	-0.01133	0.00124
1073_RPA1078_CDS;_1	-0.04199	0.01862	0.14218	-0.06781
1074_RPA1079_CDS;_1	-0.15120	-0.06391	-0.03010	-0.07449
1075_RPA1080_CDS;_1	0.00950	-0.24329	0.04036	-0.15025
1076_RPA1081_CDS;_1	0.16921	-0.05040	-0.01239	-0.07006
1077_RPA1082_CDS;_1	0.18073	0.11257	-0.27689	-0.18605
1078_RPA1083_CDS;_1	0.11767	-0.14099	-0.07219	0.10048
1079_RPA1084_csgB,_a	0.34187	0.05088	0.09120	0.17471
1080_RPA1085_CDS;_1	-0.16982	-0.00750	0.09020	-0.18897
1081_RPA1086_csgG;_1	-0.07385	0.06169	0.00399	0.00786
1082_RPA1087_CDS;_1	0.08466	0.10068	0.02352	-0.16714
1083_RPA1088_CDS;_1	0.48125	0.16568	0.01917	0.13149
1084_RPA1089_CDS;_1	0.10811	0.08198	-0.28685	-0.05887
1085_RPA1090_CDS;_1	0.00085	0.05359	0.07071	-0.00297
1086_RPA1091_CDS;_1	0.41765	-0.22030	-1.02216	-0.32552
1087_RPA1092_CDS;_1	-0.22965	0.04707	-0.03248	0.02136

1088_RPA1093_ribB;_1	-0.15998	-0.02772	-0.05391	0.03119
1089_RPA1094_CDS;_1	-0.19946	0.08730	-0.06053	0.00898
1090_RPA1095_CDS;_1	-0.05209	0.06719	0.00671	0.02565
1091_RPA1096_CDS;_1	-0.10819	0.06658	0.02974	-0.01760
1092_RPA1097_CDS;_1	-0.16259	0.06202	-0.24340	-0.01649
1093_RPA1098_CDS;_1	0.49830	0.10631	-0.12169	0.06701
1094_RPA1099_ruvC;_1	-0.19234	0.00754	0.11445	0.00585
1095_RPA1100_ruvA;_1	-0.07087	0.02169	0.12986	-0.07988
1096_RPA1101_CDS;_1	0.01344	0.07586	0.16301	-0.28656
1097_RPA1102_ruvB;_1	-0.06904	0.08474	-0.00921	0.05446
1098_RPA1103_CDS;_1	0.07685	0.03393	-0.04112	0.10613
1099_RPA1104_ndh;_1	-0.08263	-0.10691	-0.07702	-0.05816
1100_RPA1105_CDS;_1	-0.02240	-0.02579	-0.05290	0.05300
1101_RPA1106_CDS;_1	0.01735	0.02636	-0.07511	0.02200
1102_RPA1107_CDS;_1	0.05852	0.11404	-0.11429	0.06193
1103_RPA1108_CDS;_1	0.14116	-0.16117	0.00439	0.09122
1104_RPA1109_CDS;_1	-0.01548	-0.06414	0.05466	-0.01690
1105_RPA1110_CDS;_1	-0.02218	-0.09271	-0.07603	-0.04332
1106_RPA1111_CDS;_1	0.69000	0.22207	-0.21474	-0.14852
1107_RPA1112_CDS;_1	0.03977	0.05036	0.05882	-0.01514
1108_RPA1113_CDS;_1	0.04971	0.02606	-0.05168	0.04575
1109_RPA1114_CDS;_1	0.14302	0.11005	0.11243	-0.18340
1110_RPA1115_CDS;_1	0.09359	-0.16041	-0.03415	0.01336
1111_RPA1116_CDS;_1	0.13546	0.02921	0.16692	-0.03962
1112_RPA1117_TolQ;_1	-0.10621	-0.21082	-0.13334	-0.01428
1113_RPA1118_TolR;_1	-0.02276	-0.22903	-0.06478	-0.15622
1114_RPA1119_TolA;_1	-0.08392	0.08440	-0.10419	-0.04880
1115_RPA1120_TolB;_1	-0.13863	0.04732	0.03142	0.05639
1116_RPA1121_CDS;_1	0.20074	0.04053	0.00129	-0.07348
1117_RPA1122_CDS;_1	0.66645	-0.27639	0.02645	-0.03504
1118_RPA1123_CDS;_1	-0.20250	0.08665	-0.14391	-0.09989
1119_RPA1124_CDS;_1	0.01123	0.09633	-0.06810	-0.03364
1120_RPA1125_CDS;_1	0.17863	0.09666	-0.00049	-0.13327
1121_RPA1126_ftsH;_1	-0.24612	0.09635	-0.20680	-0.08402
1122_RPA1127_CDS;_1	0.14940	-0.50552	-0.18007	-0.03609
1123_RPA1128_CDS;_1	0.26062	-0.01799	0.23336	-0.34005
1124_RPA1129_CDS;_1	0.41013	0.07938	-0.15456	-0.29652
1125_RPA1130_glcD;_1	-0.05615	-0.05384	-0.01558	0.03766
1126_RPA1131_CDS;_1	0.00925	0.04316	0.13083	0.03753
1127_RPA1132_glcF;_1	0.09981	-0.09034	0.02066	-0.03433
1128_RPA1133_CDS;_1	0.13941	0.05316	-0.14146	0.07959
1129_RPA1134_CDS;_1	-0.21086	0.11425	-0.23225	-0.10681
1130_RPA1135_CDS;_1	-0.14857	0.03607	0.07822	0.01133
1131_RPA1136_ictP;_1	-0.06733	-0.08341	-0.03548	0.02533
1132_RPA1137_CDS;_1	0.00113	-0.34263	-0.04668	-0.01996
1133_RPA1138_CDS;_1	-0.04782	0.05544	0.07888	0.03307
1134_RPA1139_CDS;_1	-0.20899	0.05812	0.03270	0.03273
1135_RPA1140_groEL;_1	-0.34595	0.02824	-0.26006	-0.08565
1136_RPA1141_groES;_1	-0.16049	0.05173	-0.36484	-0.20037
1137_RPA1142_CDS;_1	-0.09312	0.06445	-0.02216	0.03089
1138_RPA1143_CDS;_1	0.01205	-0.05678	0.09078	-0.06745
1139_RPA1144_CDS;_1	-0.06960	0.12686	-0.11734	0.02731
1140_RPA1145_CDS;_1	-0.00783	-0.18564	-0.14717	-0.11510
1141_RPA1146_CDS;_1	0.03444	0.00600	-0.00775	-0.12521
1142_RPA1147_CDS;_1	-0.06466	0.04851	0.11279	0.04464
1143_RPA1148_CDS;_1	-0.16598	0.00969	0.16505	0.03401
1144_RPA1149_hisG;_1	-0.23664	-0.21849	-0.03943	0.04462

1145_RPA1150_CDS;_1	-0.14355	0.08857	0.01914	0.01146
1146_RPA1151_CDS;_1	-0.01855	0.04235	0.23437	0.11771
1147_RPA1152_CDS;_1	-0.09456	0.10481	0.04909	0.02350
1148_RPA1153_ubiA;_1	-0.08261	0.01809	0.12720	-0.11663
1149_RPA1154_CDS;_1	0.32752	-0.08916	-0.01407	0.07383
1150_RPA1155_CDS;_1	-0.02815	0.07844	-0.04655	-0.00387
1151_RPA1156_CDS;_1	0.15460	0.13954	-0.15750	-0.05032
1152_RPA1157_CDS;_1	0.28671	-0.01982	0.16099	0.15083
1153_RPA1158_CDS;_1	-0.02884	-0.48937	-0.15872	-0.00319
1154_RPA1159_lpxK;_1	0.10794	-0.23420	0.10176	-0.02105
1155_RPA1160_CDS;_1	0.22078	-0.12141	-0.16489	0.10236
1156_RPA1161_xseA;_1	0.01010	0.05320	0.14226	0.02918
1157_RPA1162_garS;_1	-0.18170	0.02577	0.09610	-0.05633
1158_RPA1163_CDS;_1	-0.01974	0.07626	-0.00333	0.05386
1159_RPA1164_CDS;_1	-0.18496	0.05728	0.05981	0.12953
1160_RPA1165_CDS;_1	-0.08378	0.08381	0.01810	-0.18402
1161_RPA1166_CDS;_1	0.04755	-0.05378	0.07859	-0.18564
1162_RPA1167_yfcB;_1	-0.11008	0.10807	-0.04254	0.08329
1163_RPA1168_moaE;_1	-0.21515	0.02198	0.06100	0.03658
1164_RPA1169_moaD;_1	-0.19112	-0.05099	0.07557	0.00650
1165_RPA1170_pgsA;_1	-0.07535	0.05853	0.06528	0.16962
1166_RPA1171_uvrC;_1	-0.13177	0.06803	0.01627	0.05353
1167_RPA1172_CDS;_1	-0.04641	0.12099	-0.03756	-0.12281
1168_RPA1173_CDS;_1	0.29886	0.03006	-0.10086	0.07918
1169_RPA1174_CDS;_1	-0.10771	0.09679	0.01472	0.08707
1170_RPA1175_cheY4;_1	-0.14505	-0.00376	-0.17687	-0.10920
1171_RPA1176_CDS;_1	-0.13507	-0.05137	0.13280	0.06915
1172_RPA1177_CDS;_1	-0.24707	0.00665	-0.03888	-0.01877
1173_RPA1178_CDS;_1	0.01641	0.09588	-0.00098	-0.04659
1174_RPA1179_CDS;_1	-0.20529	0.08555	-0.10313	-0.02956
1175_RPA1180_CDS;_1	0.06494	-0.18093	-0.13016	0.04377
1176_RPA1181_CDS;_1	-0.23336	0.00194	0.02706	-0.02824
1177_RPA1182_CDS;_1	-0.21167	-0.04684	0.02939	0.03557
1178_RPA1183_CDS;_1	-0.11162	0.00066	-0.00145	-0.01590
1179_RPA1184_CDS;_1	-0.06292	-0.00103	0.01351	0.00952
1180_RPA1185_CDS;_1	-0.01521	0.02351	-0.07628	-0.03450
1181_RPA1186_CDS;_1	0.17778	-0.20632	0.06512	-0.07209
1182_RPA1187_CDS;_1	0.11156	0.02981	0.22249	-0.17429
1183_RPA1188_CDS;_1	-0.09560	0.03952	0.01426	-0.01412
1184_RPA1189_CDS;_1	-0.15545	-0.47207	-0.20430	0.15951
1185_RPA1190_CDS;_1	0.02120	0.05238	0.21455	-0.19535
1186_RPA1191_CDS;_1	0.46978	-0.03730	-0.04651	-0.11912
1187_RPA1192_CDS;_1	-0.00534	0.13163	-0.17610	-0.06422
1188_RPA1193_CDS;_1	-0.25399	0.09899	-0.18417	-0.12594
1189_RPA1194_CDS;_1	0.02540	0.06487	0.10290	-0.06932
1190_RPA1195_fixR;_1	-0.15646	0.06961	-0.02996	-0.00608
1191_RPA1196_pdxH;_1	0.14961	-0.03129	0.22237	-0.14361
1192_RPA1197_CDS;_1	-0.06335	0.00999	0.20183	0.07278
1193_RPA1198_CDS;_1	-0.10186	-0.01361	0.03151	0.03110
1194_RPA1199_CDS;_1	-0.15006	0.11670	-0.14382	-0.08485
1195_RPA1200_CDS;_1	-0.20891	-0.03402	0.10657	0.06687
1196_RPA1201_aroc;_1	-0.21525	0.03576	0.05748	-0.01659
1197_RPA1202_CDS;_1	-0.11590	0.07689	0.06919	0.01919
1198_RPA1203_CDS;_1	-0.26992	0.00661	0.01647	-0.03544
1199_RPA1204_CDS;_1	-0.05127	0.08320	-0.00902	0.06702
1200_RPA1205_CDS;_1	-0.11387	0.03851	0.09308	-0.09306
1201_RPA1206_CDS;_1	-0.07010	-0.06434	-0.00363	0.08024

1202_RPA1207_CDS;__1	0.09110	0.07304	0.04384	-0.17775
1203_RPA1208_CDS;__1	-0.08736	-0.00345	0.03868	-0.05836
1204_RPA1209_CDS;__1	-0.05240	-0.19440	-0.06006	0.09526
1205_RPA1210_CDS;__1	-0.08031	-0.02974	0.09392	0.08973
1206_RPA1211_CDS;__1	-0.07569	-0.02891	0.05746	0.07746
1207_RPA1212_CDS;__1	0.01696	0.03121	-0.12012	-0.14206
1208_RPA1213_CDS;__1	-0.10839	-0.03516	-0.04906	-0.05254
1209_RPA1214_CDS;__1	-0.13148	0.03708	0.07441	-0.00203
1210_RPA1215_CDS;__1	-0.18540	0.04149	0.04651	-0.01994
1211_RPA1216_CDS;__1	-0.09409	0.00664	-0.05546	0.01971
1212_RPA1217_CDS;__1	-0.01529	-0.11629	-0.02457	0.01300
1213_RPA1218_CDS;__1	-0.19246	-0.09479	-0.14545	0.00175
1214_RPA1219_CDS;__1	0.03208	0.17223	-0.23683	-0.08454
1215_RPA1220_CDS;__1	-0.09133	0.08569	-0.00766	0.03161
1216_RPA1221_CDS;__1	-0.12965	-0.04107	0.09817	-0.02902
1217_RPA1222_CDS;__1	0.09549	0.10292	-0.00235	0.05994
1218_RPA1223_CDS;__1	-0.05194	0.00102	0.22257	0.07837
1219_RPA1224_iorA;__1	-0.02198	-0.00463	-0.07280	-0.11284
1220_RPA1225_CDS;__1	-0.08944	-0.03882	-0.01263	-0.01824
1221_RPA1226_CDS;__1	-0.12503	0.05559	-0.00915	-0.01844
1222_RPA1227_oorB;__1	-0.18030	-0.00976	-0.01848	0.02255
1223_RPA1228_CDS;__1	-0.09577	-0.07454	-0.19866	-0.02321
1224_RPA1229_CDS;__1	-0.17264	0.05519	-0.00532	0.03219
1225_RPA1230_CDS;__1	-0.17144	-0.10952	0.13378	-0.03986
1226_RPA1231_CDS;__1	-0.05033	0.08202	0.03511	0.09861
1227_RPA1232_CDS;__1	-0.01732	0.07941	0.07240	0.01908
1228_RPA1233_CDS;__1	-0.07712	0.04194	0.09999	0.04246
1229_RPA1234_CDS;__1	-0.02239	-0.05887	0.10281	-0.01781
1230_RPA1235_CDS;__1	-0.17146	-0.20730	-0.05989	0.01060
1231_RPA1236_CDS;__1	-0.24382	0.02422	0.04212	0.01582
1232_RPA1237_CDS;__1	-0.07541	0.02333	0.13552	-0.02030
1233_RPA1238_CDS;__1	0.03916	-0.01873	0.00602	0.08589
1234_RPA1239_exbB;__1	0.06970	-0.19600	-0.00789	0.06822
1235_RPA1240_exbD;__1	0.03697	-0.10973	0.21805	-0.00367
1236_RPA1241_CDS;__1	0.02701	-0.04085	0.08004	-0.03486
1237_RPA1242_fadD5;__1	0.00377	0.03834	0.16744	0.09005
1238_RPA1243_CDS;__1	0.19770	0.06182	-0.13259	-0.15627
1239_RPA1244_CDS;__1	0.05760	0.07873	-0.17243	-0.00405
1240_RPA1245_CDS;__1	0.34620	0.09094	0.05663	0.06574
1241_RPA1246_CDS;__1	0.14618	0.05593	-0.12773	-0.01211
1242_RPA1247_rbn;__1	0.38899	0.04669	0.08763	0.07455
1243_RPA1248_CDS;__1	-0.18667	0.06766	0.05632	0.07733
1244_RPA1249_CDS;__1	-0.09430	0.01409	0.06630	0.04080
1245_RPA1250_CDS;__1	-0.17820	0.10616	-0.16128	-0.08270
1246_RPA1251_CDS;__1	-0.21563	0.09141	-0.13380	-0.01584
1247_RPA1252_CDS;__1	-0.09497	0.08915	-0.03998	-0.10969
1248_RPA1253_CDS;__1	-0.08701	0.10700	-0.06505	0.08390
1249_RPA1254_CDS;__1	-0.02770	0.02525	-0.06138	0.04960
1250_RPA1255_fmdA;__1	-0.22188	0.11377	-0.24280	-0.10934
1251_RPA1256_fmdB;__1	-0.03456	-0.00181	0.06015	0.09716
1252_RPA1257_cobS;__1	-0.02720	0.01384	0.14613	0.03909
1253_RPA1258_CDS;__1	0.28483	0.10150	0.17648	0.13623
1254_RPA1259_CDS;__1	-0.11306	0.07746	-0.01709	0.01179
1255_RPA1260_CDS;__1	0.07077	-0.10300	0.04150	-0.03845
1256_RPA1261_CDS;__1	-0.06638	0.04660	0.06120	-0.01615
1257_RPA1262_CDS;__1	0.19022	-0.01100	0.18752	-0.00189
1258_RPA1263_II.1;__1	0.20274	0.15070	0.03264	0.20760

1259_RPA1264_fliF;_1	-0.19531	-0.01482	-0.02169	0.04616
1260_RPA1265_fliG;_1	-0.15717	0.02726	-0.09821	-0.05282
1261_RPA1266_CDS;_1	-0.02003	-0.10378	0.00068	0.03186
1262_RPA1267_fliY;_1	-0.14563	-0.01318	-0.11788	-0.00039
1263_RPA1268_f1bD;_1	-0.17430	0.08861	-0.02820	0.00487
1264_RPA1269_CDS;_1	-0.05700	0.01223	0.16834	-0.04548
1265_RPA1270_CDS;_1	0.20832	0.08660	0.27617	-0.10491
1266_RPA1271_CDS;_1	0.33298	-0.02916	0.00848	0.21356
1267_RPA1272_CDS;_1	-0.05783	-0.03363	0.15280	-0.25491
1268_RPA1273_CDS;_1	-0.16780	-0.08271	0.05109	-0.04625
1269_RPA1274_CDS;_1	0.24714	-0.03809	-0.07185	-0.09682
1270_RPA1275_CDS;_1	0.13324	0.03565	0.12733	0.05141
1271_RPA1276_carA;_1	-0.20613	0.05491	-0.04943	-0.01548
1272_RPA1277_CDS;_1	-0.00330	-0.13541	0.01683	0.06334
1273_RPA1278_CDS;_1	-0.13426	-0.03409	0.01581	0.04158
1274_RPA1279_CDS;_1	0.74393	-0.34526	-0.28991	-0.14547
1275_RPA1280_CDS;_1	0.10793	-0.30025	-0.04703	0.03120
1276_RPA1281_CDS;_1	0.04223	0.08758	0.07665	-0.03016
1277_RPA1282_CDS;_1	-0.01330	0.02405	0.18018	0.04688
1278_RPA1283_CDS;_1	-0.02711	0.08300	-0.05636	-0.00101
1279_RPA1284_CDS;_1	-0.06894	0.02400	0.18643	0.02084
1280_RPA1285_CDS;_1	-0.02009	-0.02832	0.18308	0.09059
1281_RPA1286_CDS;_1	-0.00967	-0.12718	0.24048	0.12689
1282_RPA1287_dnaG;_1	-0.03680	0.03995	0.06685	0.00888
1283_RPA1288_CDS;_1	-0.29350	0.09950	-0.14063	-0.01543
1284_RPA1289_CDS;_1	0.49907	0.21225	-0.23688	-0.30704
1285_RPA1290_CDS;_1	-0.05897	0.06884	-0.11599	0.16528
1286_RPA1291_CDS;_1	0.40666	0.02560	0.28073	-0.26127
1287_RPA1292_CDS;_1	-0.13982	-0.00210	-0.14882	0.02469
1288_RPA1293_CDS;_1	0.32697	0.13295	0.08043	0.02393
1289_RPA1294_CDS;_1	1.18654	-0.10988	-0.18641	0.09578
1290_RPA1295_CDS;_1	0.06254	0.07018	0.10206	0.10827
1291_RPA1296_CDS;_1	-0.10877	0.06020	0.05928	-0.08617
1292_RPA1297_CDS;_1	-0.21360	0.05290	0.07401	0.05277
1293_RPA1298_CDS;_1	-0.27152	0.07023	-0.07351	-0.03579
1294_RPA1299_CDS;_1	-0.11440	0.08118	0.12447	-0.09623
1295_RPA1300_CDS;_1	0.57435	0.17696	-0.01492	0.01348
1296_RPA1301_pfpI;_1	-0.11133	0.10000	-0.12891	-0.01255
1297_RPA1302_CDS;_1	-0.05161	-0.06867	0.21489	-0.18280
1298_RPA1303_CDS;_1	-0.18704	0.06176	0.01353	0.05080
1299_RPA1304_CDS;_1	-0.16867	-0.01930	0.06513	0.08290
1300_RPA1305_CDS;_1	-0.08183	0.02307	-0.07411	-0.02138
1301_RPA1306_trmU;_1	-0.15066	0.05063	0.04519	-0.04349
1302_RPA1307_CDS;_1	-0.11144	0.00304	0.14255	0.04996
1303_RPA1308_CDS;_1	0.23447	0.10233	0.15098	-0.31300
1304_RPA1309_CDS;_1	0.59515	0.14679	0.29039	-0.19574
1305_RPA1310_CDS;_1	0.38796	-0.13220	-0.14781	-0.14677
1306_RPA1311_CDS;_1	0.24355	0.08922	-0.16193	-0.03533
1307_RPA1312_CDS;_1	-0.08237	0.09237	-0.11056	-0.19004
1308_RPA1313_CDS;_1	0.14870	-0.08077	-0.02944	-0.02453
1309_RPA1314_CDS;_1	0.08225	0.03760	0.12848	0.08443
1310_RPA1315_CDS;_1	0.18872	0.08086	0.07342	0.00804
1311_RPA1316_CDS;_1	0.77918	0.18587	0.02040	0.08210
1312_RPA1319_cioB;_1	-0.03589	-0.07277	0.02714	0.00809
1313_RPA1320_CDS;_1	0.25212	-0.12429	-0.10900	0.10808
1314_RPA1321_CDS;_1	0.20684	-0.17529	-0.02439	-0.01199
1315_RPA1322_CDS;_1	0.49028	-0.12225	-0.09538	-0.01269

1316_RPA1323_CDS;_1	-0.15561	0.04803	-0.01419	0.00662
1317_RPA1324_CDS;_1	0.15604	-0.02526	0.07141	-0.06866
1318_RPA4837_CDS;_1	0.09728	-0.09047	0.19923	0.07207
1319_RPA1325_CDS;_1	0.05867	-0.03131	0.07908	-0.05001
1320_RPA1326_CDS;_1	0.33987	0.14133	0.10215	0.12476
1321_RPA1327_CDS;_1	0.47362	-0.22417	-0.07062	0.07186
1322_RPA1328_CDS;_1	0.17685	0.00923	0.03968	-0.02982
1323_RPA1329_fumC;_1	-0.11013	-0.02449	-0.04625	0.02627
1324_RPA1330_CDS;_1	0.11002	-0.08825	-0.05798	-0.08156
1325_RPA1331_mqoB;_1	-0.18891	-0.02976	0.05805	0.02290
1326_RPA1332_CDS;_1	0.60433	0.10231	0.23849	-0.00435
1327_RPA1333_CDS;_1	0.25758	0.06669	0.04260	-0.11633
1328_RPA1334_CDS;_1	0.00340	0.05998	0.02267	0.02957
1329_RPA1335_CDS;_1	0.15290	-0.29439	-0.09387	0.00558
1330_RPA1336_CDS;_1	0.08183	-0.20052	-0.00483	-0.01401
1331_RPA1337_CDS;_1	0.01671	-0.01617	0.07000	0.01730
1332_RPA1338_CDS;_1	0.26139	-0.05683	-0.11293	0.02865
1333_RPA1339_CDS;_1	0.18876	0.03680	0.18940	-0.25131
1334_RPA1340_CDS;_1	0.00911	0.08001	0.04583	0.08481
1335_RPA1341_CDS;_1	-0.09515	0.05791	0.08795	-0.01859
1336_RPA1342_CDS;_1	0.73220	-0.40427	-0.12144	0.21898
1337_RPA1343_CDS;_1	0.48767	-0.36162	-0.24026	-0.05630
1338_RPA1344_CDS;_1	0.25788	0.07590	0.11423	-0.19509
1339_RPA1345_CDS;_1	0.48410	0.02164	0.09925	-0.03594
1340_RPA1346_CDS;_1	0.21662	0.00178	0.00402	0.05479
1341_RPA1347_CDS;_1	0.21655	0.07352	0.13739	-0.19938
1342_RPA1348_CDS;_1	0.11923	0.08657	0.03871	-0.02202
1343_RPA1349_CDS;_1	0.07726	-0.27684	-0.08942	-0.01943
1344_RPA1350_exbB2;_1	-0.05356	0.09508	-0.06403	-0.04475
1345_RPA1351_exbD;_1	0.01511	0.04913	-0.06096	-0.31584
1346_RPA1352_CDS;_1	-0.03700	0.03332	0.10502	0.06252
1347_RPA1353_CDS;_1	-0.09020	-0.00827	0.02729	0.03851
1348_RPA1354_CDS;_1	-0.20349	0.08922	-0.08644	-0.00194
1349_RPA1355_CDS;_1	0.28712	0.14494	0.02152	0.11038
1350_RPA1356_CDS;_1	0.01026	0.11126	-0.00301	-0.01298
1351_RPA1357_CDS;_1	0.04430	-0.01969	0.01604	-0.03031
1352_RPA1358_CDS;_1	0.28303	0.05468	-0.01528	0.09749
1353_RPA1359_CDS;_1	0.35309	0.08252	-0.10974	0.12759
1354_RPA1360_CDS;_1	0.30178	0.14501	-0.06034	-0.13809
1355_RPA1361_CDS;_1	0.52052	0.10073	0.21155	-0.78376
1356_RPA1362_CDS;_1	0.11358	0.08699	-0.00489	-0.00612
1357_RPA1363_CDS;_1	0.18758	0.09068	0.08823	-0.20309
1358_RPA1364_CDS;_1	0.14400	0.11552	0.04845	0.13354
1359_RPA1365_CDS;_1	-0.01305	-0.15756	-0.03821	0.07049
1360_RPA1366_soxZ;_1	0.27173	0.11668	-0.08276	0.19401
1361_RPA1367_soxY;_1	0.05176	0.10937	-0.00498	0.06862
1362_RPA1368_CDS;_1	0.21649	0.15067	-0.06132	0.13296
1363_RPA1369_CDS;_1	0.40808	0.15743	0.00208	-0.03924
1364_RPA1370_CDS;_1	0.13544	0.09550	0.01009	0.00731
1365_RPA1371_vnfX;_1	0.10668	0.13394	-0.02923	0.12499
1366_RPA1372_vnfN;_1	-0.03472	0.07999	0.04318	0.08636
1367_RPA1373_vnfE;_1	0.08961	0.12777	-0.22130	0.10058
1368_RPA1374_vnfA;_1	-0.08634	0.06803	0.07630	-0.09678
1369_RPA1375_CDS;_1	0.11957	0.11233	0.00417	0.14588
1370_RPA1376_vnfH;_1	-0.16511	0.05669	-0.30269	0.00765
1371_RPA1377_CDS;_1	0.03002	0.08819	0.00746	0.04156
1372_RPA1378_vnfD;_1	-0.14164	0.05389	-0.17101	0.02734

1373_RPA1379_vnfG;__1	-0.09352	0.09209	-0.04466	0.06043
1374_RPA1380_vnfK;__1	-0.17390	0.04512	0.02167	-0.09594
1375_RPA1381_CDS;__1	0.10789	0.07043	0.03941	0.00709
1376_RPA1382_CDS;__1	-0.06712	0.04035	0.12006	0.05740
1377_RPA1383_ModE/Mo	0.11993	-0.20223	-0.07339	0.01106
1378_RPA1384_ptxC;__1	0.03169	-0.03517	0.17442	0.04468
1379_RPA1385_ptxB;__1	0.09813	0.01194	-0.00791	0.08274
1380_RPA1386_ptxA;__1	0.21965	-0.46064	-0.11048	0.04437
1381_RPA1387_CDS;__1	0.19786	0.13546	-0.04047	0.01472
1382_RPA1388_CDS;__1	0.13160	-0.03890	0.06707	0.01624
1383_RPA1389_CDS;__1	0.10649	-0.06231	-0.04330	0.03703
1384_RPA1390_CDS;__1	0.22320	-0.20684	-0.13020	0.01893
1385_RPA1391_CDS;__1	0.11955	-0.05030	0.06106	-0.00030
1386_RPA1392_CDS;__1	0.49967	-0.38679	-0.12475	0.08279
1387_RPA1393_CDS;__1	0.36609	-0.03597	-0.10602	0.12720
1388_RPA1394_CDS;__1	0.33887	0.01122	-0.10270	-0.00128
1389_RPA1395_CDS;__1	0.06545	0.06335	0.01513	0.01609
1390_RPA1396_CDS;__1	0.30429	-0.46551	-0.01870	0.04252
1391_RPA1397_CDS;__1	0.26601	0.04229	-0.00685	0.06257
1392_RPA1398_CDS;__1	0.11737	0.07332	-0.00960	-0.06918
1393_RPA1399_CDS;__1	0.24064	0.02324	0.10178	-0.07724
1394_RPA1400_CDS;__1	0.43996	-0.03973	-0.03492	-0.01107
1395_RPA1401_glnAIII	0.02905	0.08964	-0.02963	-0.18322
1396_RPA1402_CDS;__1	0.33253	-0.13307	0.05790	0.02540
1397_RPA1403_CDS;__1	0.42668	0.09472	0.13348	-0.07681
1398_RPA1404_CDS;__1	0.10484	0.09119	0.08579	0.01731
1399_RPA1405_CDS;__1	-0.06245	0.02739	0.03105	-0.03287
1400_RPA1406_CDS;__1	-0.19442	0.00099	-0.02024	0.08097
1401_RPA1407_CDS;__1	-0.05510	-0.07446	-0.11210	-0.22965
1402_RPA1408_CDS;__1	-0.01932	0.06994	0.11573	-0.08544
1403_RPA1409_CDS;__1	0.02978	0.04587	0.15637	0.17471
1404_RPA1410_CDS;__1	-0.13293	0.07559	-0.25282	-0.05614
1405_RPA1411_CDS;__1	0.01498	-0.10684	-0.03208	-0.01318
1406_RPA1412_CDS;__1	0.09184	0.06819	0.07281	-0.04750
1407_RPA1413_CDS;__1	-0.03556	0.06211	0.06003	0.06476
1408_RPA1414_CDS;__1	-0.01533	0.05313	-0.00841	0.00492
1409_RPA1415_CDS;__1	-0.09146	0.07137	-0.03169	-0.05916
1410_RPA1416_CDS;__1	-0.09147	-0.13978	0.05575	0.07197
1411_RPA1417_CDS;__1	-0.08414	0.01572	0.09658	0.00110
1412_RPA1418_CDS;__1	-0.01320	-0.03947	0.00530	-0.02189
1413_RPA1419_CDS;__1	-0.20212	0.03106	0.01454	0.00982
1414_RPA1420_ybdE;__1	-0.07694	-0.19791	-0.05337	0.02631
1415_RPA1421_CDS;__1	0.12177	-0.45055	-0.10432	0.10875
1416_RPA1422_CDS;__1	-0.33192	0.08517	-0.09472	-0.00810
1417_RPA1423_CDS;__1	-0.16339	0.06458	-0.02100	-0.07479
1418_RPA1424_CDS;__1	0.06045	0.07370	0.04294	0.01751
1419_RPA1425_cysE;__1	-0.04386	0.05678	0.07429	-0.07073
1420_RPA1426_CDS;__1	-0.09266	-0.05384	0.03205	-0.06140
1421_RPA1427_CDS;__1	-0.03712	-0.03771	0.00503	-0.19217
1422_RPA1428_CDS;__1	-0.14519	0.06512	-0.27952	-0.00525
1423_RPA1429_CDS;__1	-0.08885	0.06455	0.05204	0.10022
1424_RPA1430_CDS;__1	-0.10590	-0.01169	-0.02115	-0.17750
1425_RPA1431_draT;__1	0.03891	-0.01414	0.02709	0.04757
1426_RPA1432_CDS;__1	-0.09173	-0.18995	-0.01087	0.10118
1427_RPA1433_CDS;__1	-0.14756	0.05300	0.01396	0.04604
1428_RPA1434_CDS;__1	-0.00619	0.10692	0.01258	0.10463
1429_RPA1435_anfK;__1	-0.25336	-0.00670	0.01536	-0.08740

1430_RPA1436_anfG;__	-0.18390	-0.06259	-0.22771	-0.01167
1431_RPA1437_anfD;__	-0.23755	-0.04354	-0.10750	-0.01251
1432_RPA1438_anfH;__	-0.17840	0.12494	-0.04830	0.10336
1433_RPA1439_anfA;__	-0.12095	0.06564	0.11320	0.01133
1434_RPA1440_CDS;__1	0.15591	0.12174	0.02361	0.09526
1435_RPA1441_CDS;__1	-0.09932	-0.46305	-0.14754	0.01908
1436_RPA1442_CDS;__1	-0.11841	0.10783	-0.14540	0.02423
1437_RPA1443_CDS;__1	0.04630	0.10054	0.01122	0.06865
1438_RPA1444_CDS;__1	-0.05996	-0.07927	0.16347	0.02114
1439_RPA1445_CDS;__1	0.10207	0.01698	-0.08849	-0.06808
1440_RPA1446_CDS;__1	-0.19479	0.06858	-0.02739	-0.08757
1441_RPA1447_CDS;__1	-0.16791	0.05171	-0.00429	0.01822
1442_RPA1448_CDS;__1	-0.01866	0.01455	0.18532	0.00663
1443_RPA1449_CDS;__1	-0.03231	-0.27226	-0.13432	-0.00900
1444_RPA1450_CDS;__1	-0.08921	0.03042	-0.00143	0.01483
1445_RPA1451_CDS;__1	-0.05277	-0.25341	0.04167	0.04790
1446_RPA1452_CDS;__1	-0.04467	-0.06659	0.19984	0.11134
1447_RPA1453_norE;__	0.05105	-0.29960	0.01239	0.07758
1448_RPA1454_CDS;__1	0.41180	0.09805	0.28307	-0.33355
1449_RPA1455_norC;__	-0.08199	0.12117	-0.09813	0.07826
1450_RPA1456_norB;__	-0.10802	-0.02344	-0.05703	0.05849
1451_RPA1457_norQ;__	-0.03501	-0.01987	0.04618	-0.06103
1452_RPA1458_norD;__	0.04613	-0.04763	0.22683	-0.03600
1453_RPA1461_CDS;__1	0.03930	-0.01826	0.02448	0.10314
1454_RPA1462_CDS;__1	-0.10712	0.04813	0.08162	0.09038
1455_RPA1463_ilvD;__	-0.19294	-0.02160	-0.11309	-0.04119
1456_RPA1464_CDS;__1	-0.10718	0.05038	0.00323	0.07443
1457_RPA1465_CDS;__1	-0.02735	-0.28918	0.01748	0.01844
1458_RPA1466_CDS;__1	-0.01515	0.04990	0.08035	-0.00901
1459_RPA1467_CDS;__1	0.08611	-0.49896	-0.10273	0.06862
1460_RPA1468_CDS;__1	0.03857	-0.00957	0.07128	0.03744
1461_RPA1469_gatA;__	0.00128	-0.00226	-0.11394	0.11691
1462_RPA1470_CDS;__1	-0.12761	0.06179	0.04072	0.01849
1463_RPA1471_CDS;__1	-0.06947	0.13080	-0.11523	0.04086
1464_RPA1472_CDS;__1	-0.17603	0.06087	0.00600	0.04634
1465_RPA1473_CDS;__1	-0.16152	0.12280	-0.09181	0.00429
1466_RPA1474_CDS;__1	-0.12001	-0.00158	-0.04186	-0.02333
1467_RPA1475_CDS;__1	0.09113	0.08434	0.04941	0.09955
1468_RPA1476_CDS;__1	-0.01005	0.02612	-0.10807	-0.00327
1469_RPA1477_CDS;__1	0.17252	-0.50959	-0.03313	0.13813
1470_RPA1478_CDS;__1	0.03249	-0.04310	0.10470	0.10266
1471_RPA1479_CDS;__1	0.01679	-0.23099	0.11842	-0.10637
1472_RPA1480_cpdA;__	0.14306	-0.25875	-0.11728	0.11698
1473_RPA1481_CDS;__1	0.27966	0.13675	-0.13258	-0.04468
1474_RPA1482_CDS;__1	0.03726	0.09201	0.07464	0.11655
1475_RPA1483_CDS;__1	0.05762	0.07045	0.08062	0.08940
1476_RPA1484_pgm;__	-0.12798	0.04045	0.12646	-0.06253
1477_RPA1485_nnrU;__	0.01905	0.05722	0.04831	-0.11286
1478_RPA1486_CDS;__1	-0.08678	-0.50138	-0.07659	0.02952
1479_RPA1487_CDS;__1	-0.19983	-0.01169	0.05899	-0.00859
1480_RPA1488_CDS;__1	-0.16215	0.05269	0.05735	0.07145
1481_RPA1489_CDS;__1	-0.05381	-0.20317	0.02358	0.12269
1482_RPA1490_CDS;__1	-0.01879	0.06388	0.04661	0.01946
1483_RPA1491_pucBe;__	-0.23763	-0.01994	-0.17627	-0.06640
1484_RPA1492_pucAe;__	0.10803	0.15040	-0.60280	-0.43444
1485_RPA1493_pucC;__	0.04712	0.00016	-0.03711	-0.04453
1486_RPA1494_CDS;__1	0.05406	0.09480	-0.24296	-0.01234

1487_RPA1495_CDS;__1	-0.00199	-0.01081	-0.00665	0.00941
1488_RPA1496_CDS;__1	-0.02050	-0.13630	-0.03849	-0.04479
1489_RPA1497_mexC;__	-0.05887	0.05623	0.04684	0.05583
1490_RPA1498_mexD;__	-0.15492	-0.17892	-0.01758	-0.01045
1491_RPA1499_CDS;__1	0.01758	0.04723	-0.20613	-0.08827
1492_RPA1500_CDS;__1	0.00193	0.07954	0.00596	-0.10810
1493_RPA1501_CDS;__1	-0.03965	0.02551	-0.03454	0.04410
1494_RPA1502_CDS;__1	0.01558	-0.03325	0.08259	0.12099
1495_RPA1503_CDS;__1	-0.10237	0.03844	0.09676	0.00834
1496_RPA1504_CDS;__1	0.05155	-0.18368	-0.06657	0.10348
1497_RPA1505_CDS;__1	-0.03263	0.05185	0.05996	-0.13546
1498_RPA1506_bchI;__	-0.00471	0.03229	-0.21526	-0.02582
1499_RPA1507_bchD;__	-0.08952	0.03357	0.04475	-0.03652
1500_RPA1508_CDS;__1	-0.02238	-0.07132	0.07182	0.13347
1501_RPA1509_hemE;__	-0.14215	0.05731	0.01910	-0.05946
1502_RPA1510_CDS;__1	0.02650	-0.06544	0.15640	0.00589
1503_RPA1511_CDS;__1	0.15153	-0.48461	-0.03979	0.02032
1504_RPA1512_crtI;__	-0.01575	0.09010	-0.05778	-0.09009
1505_RPA1513_crtB;__	-0.16065	0.05655	0.03772	-0.10718
1506_RPA1514_hemF;__	-0.10133	0.05980	0.08182	-0.03276
1507_RPA1515_CDS;__1	0.02335	-0.03677	-0.02204	-0.00025
1508_RPA1516_CDS;__1	-0.03430	0.14240	0.05377	0.11498
1509_RPA1517_crtC;__	-0.02544	0.06574	0.12779	-0.00591
1510_RPA1518_crtD;__	0.02899	0.06739	0.07468	0.02521
1511_RPA1519_crtE;__	0.03769	-0.14841	-0.10370	-0.28157
1512_RPA1520_crtF;__	0.01396	0.06152	0.03925	0.00665
1513_RPA1521_bchC;__	0.14156	0.09014	0.00148	-0.12526
1514_RPA1522_bchX;__	-0.15984	0.02781	-0.14887	-0.03744
1515_RPA1523_bchY;__	-0.15826	0.08431	-0.09184	-0.08243
1516_RPA1524_bchZ;__	-0.05281	0.09471	-0.06631	-0.08680
1517_RPA1525_pufB;__	0.23293	0.25182	-0.53845	-0.48840
1518_RPA1526_pufA;__	0.00969	0.02401	-0.18627	-0.22372
1519_RPA1527_pufL;__	0.02686	-0.01096	-0.27692	-0.18246
1520_RPA1528_pufM;__	-0.01138	-0.00405	-0.18420	-0.12956
1521_RPA1529_ppsR1;__	0.16407	-0.09214	-0.02656	-0.05105
1522_RPA1530_bchG;__	-0.20201	-0.07725	-0.07778	-0.13853
1523_RPA1531_CDS;__1	-0.04775	-0.50701	-0.13233	0.01497
1524_RPA1532_bchP;__	-0.24962	0.03658	0.06791	-0.02951
1525_RPA1533_tspO;__	-0.03756	-0.02407	0.06435	-0.21226
1526_RPA1534_CDS;__1	-0.29031	0.09064	-0.01648	0.13502
1527_RPA1535_cycA;__	-0.04574	0.18682	-0.50588	-0.34064
1528_RPA1536_ppsR2;__	0.07709	0.12071	-0.10985	-0.00411
1529_RPA1539_CDS;__1	-0.07502	0.02212	0.15560	0.07696
1530_RPA1540_CDS;__1	0.20484	0.05186	-0.03300	-0.18886
1531_RPA1541_bchF;__	0.05535	-0.43528	-0.14703	-0.18065
1532_RPA1542_bchN;__	-0.07948	-0.07854	-0.18165	-0.12224
1533_RPA1543_bchB;__	-0.03842	0.09172	-0.08490	0.01208
1534_RPA1544_bchH;__	-0.19894	0.06491	-0.01366	0.01994
1535_RPA1545_bchL;__	-0.10388	0.08230	-0.03410	-0.14574
1536_RPA1546_bchM;__	-0.09977	0.07387	-0.05859	0.00377
1537_RPA1547_lhaA;__	0.00456	0.06333	-0.06034	-0.13342
1538_RPA1548_puhA;__	-0.10238	0.13739	-0.22601	-0.09508
1539_RPA1549_CDS;__1	0.12475	0.08163	0.08542	-0.08184
1540_RPA1550_CDS;__1	0.07913	0.05453	-0.12069	-0.13034
1541_RPA1551_CDS;__1	0.19499	0.13295	-0.15900	-0.13170
1542_RPA1552_CDS;__1	-0.19922	0.07196	0.03207	0.06251
1543_RPA1553_CDS;__1	0.06034	0.04688	0.12428	-0.01481

1544_RPA1554_hemA;_1	-0.24586	-0.03661	-0.02482	-0.03678
1545_RPA1555_cbbR;_1	-0.22453	0.03209	0.12517	0.06044
1546_RPA1556_CDS;_1	0.22215	0.11353	0.00723	-0.04010
1547_RPA1557_CDS;_1	-0.04617	-0.03740	0.08088	0.08029
1548_RPA1558_CDS;_1	-0.09401	-0.02666	0.11446	-0.00699
1549_RPA1559_cbbL;_1	-0.32033	0.07504	-0.13940	-0.04056
1550_RPA1560_cbbS;_1	-0.03283	-0.14422	-0.21664	0.07342
1551_RPA1561_cbbX;_1	-0.02310	0.01925	-0.06440	-0.01643
1552_RPA1562_CDS;_1	0.20829	0.09868	0.13829	0.04781
1553_RPA1563_CDS;_1	0.18362	0.09601	0.01403	0.00149
1554_RPA1564_CDS;_1	-0.03182	-0.08924	-0.10444	0.00613
1555_RPA1565_CDS;_1	0.14692	0.10654	-0.00342	-0.14261
1556_RPA1566_CDS;_1	0.21647	-0.16529	-0.01560	0.09252
1557_RPA1567_CDS;_1	-0.03792	0.00809	-0.04175	-0.09813
1558_RPA1568_CDS;_1	0.00561	-0.46183	-0.24988	-0.00158
1559_RPA1569_CDS;_1	-0.17121	0.01613	0.09016	0.02432
1560_RPA1570_CDS;_1	-0.23233	0.06988	-0.02798	-0.01876
1561_RPA1571_dapA;_1	-0.13700	0.01310	0.05852	0.01324
1562_RPA1572_CDS;_1	-0.25134	0.04821	0.01866	-0.00763
1563_RPA1573_CDS;_1	-0.19500	0.06206	0.03429	0.05135
1564_RPA1574_CDS;_1	-0.13269	0.04506	0.11022	-0.14780
1565_RPA1575_CDS;_1	-0.25324	0.02714	0.10862	0.01859
1566_RPA1576_CDS;_1	0.05710	0.03028	0.16934	0.08649
1567_RPA1577_CDS;_1	-0.07858	-0.00137	-0.04879	-0.09742
1568_RPA1578_fpr;_1	-0.07745	-0.21022	0.01327	-0.09685
1569_RPA1579_CDS;_1	-0.21219	-0.09423	0.04259	-0.02879
1570_RPA1580_putA;_1	-0.00172	-0.00561	-0.04446	0.04075
1571_RPA1581_CDS;_1	0.01335	0.05511	0.08661	-0.04454
1572_RPA1582_cyaA;_1	-0.13605	-0.01545	0.05547	0.05836
1573_RPA1583_CDS;_1	-0.18504	-0.01016	0.01953	-0.00558
1574_RPA1584_CDS;_1	-0.07817	-0.15071	0.10107	-0.10023
1575_RPA1585_CDS;_1	-0.08789	-0.00942	0.18884	0.06949
1576_RPA1586_CDS;_1	-0.27139	0.08338	-0.11523	-0.02489
1577_RPA1587_CDS;_1	0.17001	0.12236	0.14630	-0.06930
1578_RPA1588_CDS;_1	0.06129	-0.06331	0.06135	0.02120
1579_RPA1589_rpsD;_1	-0.18554	0.08431	-0.20772	0.00909
1580_RPA1590_CDS;_1	-0.00642	-0.23148	0.11187	0.13617
1581_RPA1591_CDS;_1	-0.04660	0.12097	-0.00374	0.03344
1582_RPA1592_murI;_1	-0.17835	0.04402	0.03937	0.05439
1583_RPA1593_CDS;_1	-0.08538	0.07462	0.08355	-0.21778
1584_RPA1594_trpB-1;	-0.28204	0.08037	-0.12580	-0.02569
1585_RPA1595_CDS;_1	0.74808	0.22285	-0.13810	0.06691
1586_RPA1596_CDS;_1	-0.02104	0.19883	-0.19481	-0.08117
1587_RPA1597_purQ;_1	-0.23740	0.07352	-0.06333	-0.00054
1588_RPA1598_CDS;_1	-0.15393	0.00799	0.19200	0.07892
1589_RPA1599_CDS;_1	0.09506	0.01132	0.30344	-0.21615
1590_RPA1600_CDS;_1	-0.21370	-0.10414	0.07590	-0.00139
1591_RPA1601_CDS;_1	0.26992	0.06284	0.18289	-0.14782
1592_RPA1602_CDS;_1	-0.00124	0.07186	0.09639	-0.07375
1593_RPA1603_CDS;_1	0.11290	0.03642	0.19077	-0.16860
1594_RPA1604_CDS;_1	0.04296	0.08719	0.06190	0.08348
1595_RPA1605_CDS;_1	-0.06259	-0.04172	-0.02315	0.08386
1596_RPA1606_CDS;_1	-0.05093	-0.14599	-0.15450	0.15536
1597_RPA1607_CDS;_1	0.12784	-0.11732	-0.30875	-0.15847
1598_RPA1608_CDS;_1	-0.17225	0.07484	-0.02236	0.02859
1599_RPA1609_mdIC;_1	-0.08356	0.03147	0.12612	-0.02400
1600_RPA1610_CDS;_1	-0.20341	0.06160	0.02791	0.00965

1601_RPA1611_CDS;_1	-0.26154	0.05247	-0.00963	-0.00903
1602_RPA1612_CDS;_1	-0.24650	-0.10045	-0.09436	0.06521
1603_RPA1613_CDS;_1	-0.16659	0.04290	0.04037	0.05806
1604_RPA1614_ivd2;_1	-0.27038	0.10586	-0.09777	0.05270
1605_RPA1615_CDS;_1	0.10694	0.08779	0.01220	-0.09302
1606_RPA1616_CDS;_1	-0.13866	0.10046	-0.00636	0.06192
1607_RPA1617_CDS;_1	-0.23734	0.07153	-0.03195	0.05235
1608_RPA1618_ilvX;_1	-0.25019	0.02635	0.06061	-0.03294
1609_RPA1619_CDS;_1	-0.10729	-0.15923	0.07654	0.05122
1610_RPA1620_CDS;_1	-0.03701	-0.08685	0.24788	0.09665
1611_RPA1621_CDS;_1	0.81974	0.06529	-0.24921	0.07152
1612_RPA1622_CDS;_1	-0.18864	-0.03034	0.07649	0.06659
1613_RPA1623_CDS;_1	-0.08955	0.06820	0.02496	0.07179
1614_RPA1624_CDS;_1	0.12721	0.12829	0.01312	-0.16157
1615_RPA1625_cysQ;_1	-0.08568	-0.07508	0.06351	0.04682
1616_RPA1626_CDS;_1	0.16708	0.00476	-0.11010	-0.00082
1617_RPA1627_cheAY1;	-0.18429	0.06089	-0.01746	-0.02692
1618_RPA1628_cheW1;	-0.16027	0.06893	-0.12530	0.04146
1619_RPA1629_cheY1;	-0.09563	-0.13919	0.07785	0.03978
1620_RPA1630_cheB1;	0.06535	0.10736	-0.09633	-0.15755
1621_RPA1631_cheR1;	-0.19717	0.02470	0.08620	0.05420
1622_RPA1632_ctrA;	-0.21453	0.13210	-0.11884	-0.01193
1623_RPA1633_fliI;	0.01791	-0.03456	-0.10427	-0.10190
1624_RPA1634_CDS;_1	0.13998	0.07516	-0.11240	-0.13589
1625_RPA1635_CDS;_1	0.00130	-0.21084	-0.10485	0.04288
1626_RPA1636_CDS;_1	-0.06513	0.00262	-0.01007	0.02650
1627_RPA1637_CDS;_1	-0.01216	-0.05789	0.24761	-0.43618
1628_RPA1638_flhA;_1	-0.27781	0.04908	-0.03320	0.00896
1629_RPA1639_CDS;_1	-0.16494	0.02854	0.11623	0.00870
1630_RPA1640_CDS;_1	-0.01349	0.02932	-0.06917	-0.04773
1631_RPA1641_CDS;_1	0.08182	-0.04722	0.10307	0.03065
1632_RPA1642_CDS;_1	0.13304	-0.19388	0.01891	-0.03176
1633_RPA1643_CDS;_1	-0.04957	0.04405	0.14979	-0.04641
1634_RPA1644_CDS;_1	0.06831	0.00354	-0.08164	0.10381
1635_RPA1645_CDS;_1	-0.18963	0.10156	-0.02319	0.17131
1636_RPA1646_CDS;_1	-0.01905	-0.13807	-0.00637	0.05109
1637_RPA1647_CDS;_1	-0.13004	0.01256	0.15863	-0.03887
1638_RPA1648_CDS;_1	-0.12507	-0.01566	-0.00878	0.00791
1639_RPA1649_CDS;_1	-0.18151	-0.07251	0.09388	0.03424
1640_RPA1650_CDS;_1	-0.06631	0.09684	-0.01378	0.11306
1641_RPA1651_CDS;_1	-0.02135	0.00240	0.01182	0.06037
1642_RPA1652_CDS;_1	0.58206	0.20789	-0.06510	-0.11629
1643_RPA1653_CDS;_1	-0.12338	-0.02374	0.14408	0.09269
1644_RPA1654_CDS;_1	-0.21196	0.05955	0.00259	0.03505
1645_RPA1655_CDS;_1	-0.01901	-0.19141	-0.06234	0.14942
1646_RPA1656_CDS;_1	-0.01042	-0.05389	0.08930	-0.12255
1647_RPA1657_CDS;_1	-0.04362	-0.11137	0.03482	0.06763
1648_RPA1658_ptpS;	-0.13887	-0.11451	0.13702	0.09958
1649_RPA1659_CDS;_1	0.08670	-0.45718	-0.12853	0.06004
1650_RPA1660_CDS;_1	-0.02135	0.02712	0.03329	-0.04105
1651_RPA1661_CDS;_1	-0.16631	-0.15166	0.06499	0.21316
1652_RPA1662_CDS;_1	-0.00425	-0.04146	-0.04623	0.04088
1653_RPA1663_hpaD;_1	0.08063	0.11008	-0.01786	-0.23416
1654_RPA1664_CDS;_1	-0.12265	0.09229	-0.08087	-0.02045
1655_RPA1665_CDS;_1	-0.13253	0.15232	-0.28161	-0.11597
1656_RPA1666_hemN;	-0.26282	-0.08094	-0.07110	-0.00701
1657_RPA1667_bchJ;	0.17342	0.00007	-0.04302	0.14234

1658_RPA1668_bchE;__1	-0.18030	-0.05448	-0.22299	0.01894
1659_RPA1669_CDS;__1	0.27040	-0.08246	0.00134	-0.06271
1660_RPA1670_CDS;__1	-0.09897	0.04266	0.07557	-0.05079
1661_RPA1671_CDS;__1	-0.06536	-0.23099	-0.00210	-0.02740
1662_RPA1672_CDS;__1	0.10313	0.15582	-0.11859	-0.06789
1663_RPA1673_CDS;__1	-0.17620	-0.03266	0.06005	0.00866
1664_RPA1674_CDS;__1	-0.16915	0.03838	0.03478	-0.02560
1665_RPA1675_CDS;__1	0.03922	-0.00796	0.02119	-0.10906
1666_RPA1676_cheAY2;	-0.19901	0.05886	-0.01815	-0.02875
1667_RPA1677_cheW4;	-0.14485	0.05907	-0.08605	0.06901
1668_RPA1678_cheR3;	-0.00698	-0.08600	-0.07175	-0.09977
1669_RPA1679_CDS;__1	0.03296	0.11865	-0.13169	-0.01829
1670_RPA1680_CDS;__1	-0.09624	-0.06729	-0.05442	-0.04464
1671_RPA1681_CDS;__1	-0.03415	0.08975	0.05250	0.03083
1672_RPA1682_CDS;__1	-0.05845	0.04713	0.05292	0.05459
1673_RPA1683_CDS;__1	-0.23078	-0.05051	-0.05775	0.03500
1674_RPA1684_CDS;__1	-0.08545	0.00389	-0.00766	0.02321
1675_RPA1685_CDS;__1	0.20923	0.12597	0.02435	0.08037
1676_RPA1686_CDS;__1	-0.14738	-0.04118	0.04760	0.06738
1677_RPA1687_CDS;__1	-0.17968	0.05096	0.04441	0.04080
1678_RPA1688_CDS;__1	0.30464	-0.21431	-0.03893	-0.01455
1679_RPA1689_CDS;__1	-0.04208	-0.14295	0.04573	-0.04502
1680_RPA1690_CDS;__1	-0.08921	0.04906	0.08816	0.05621
1681_RPA1691_matE;__1	0.06539	-0.22906	0.06647	0.04938
1682_RPA1692_CDS;__1	-0.03754	-0.24138	-0.01044	-0.02709
1683_RPA1693_sodB;__1	-0.22477	0.04981	-0.27334	-0.10082
1684_RPA1694_crcB;__1	0.22617	-0.49061	-0.04011	0.18979
1685_RPA1695_CDS;__1	0.33437	-0.06147	0.09877	-0.14408
1686_RPA1696_CDS;__1	0.18825	0.04677	0.10452	0.01698
1687_RPA1697_CDS;__1	0.19653	-0.13740	-0.12559	0.16314
1688_RPA1698_CDS;__1	0.06583	-0.19164	-0.04530	0.08685
1689_RPA1699_CDS;__1	-0.01482	-0.04669	0.07342	0.01496
1690_RPA1700_CDS;__1	-0.18497	0.05759	0.03073	0.01906
1691_RPA1701_CDS;__1	0.06948	0.03136	0.23087	0.02959
1692_RPA1702_CDS;__1	-0.25577	0.04136	0.04208	0.05374
1693_RPA1703_CDS;__1	-0.21083	0.08226	-0.10130	-0.07210
1694_RPA1704_CDS;__1	0.24444	0.16760	-0.17659	-0.10051
1695_RPA1705_CDS;__1	0.06490	-0.07384	-0.08142	0.08136
1696_RPA1706_CDS;__1	-0.05257	-0.03005	0.01499	0.03167
1697_RPA1707_fcs1;__1	-0.22256	0.01594	0.08519	0.03731
1698_RPA1708_CDS;__1	-0.25145	0.05606	-0.07309	-0.04761
1699_RPA1709_CDS;__1	-0.24115	0.06925	-0.08657	-0.01852
1700_RPA1710_CDS;__1	-0.28097	0.08386	-0.10278	-0.01724
1701_RPA1711_pnbA;__1	-0.12242	0.06414	0.08215	-0.15983
1702_RPA1712_CDS;__1	-0.13057	-0.22061	0.00629	0.09877
1703_RPA1713_CDS;__1	-0.01973	0.04490	0.13008	-0.03716
1704_RPA1714_CDS;__1	0.16002	0.06647	0.19461	0.03659
1705_RPA1715_CDS;__1	0.02782	0.04134	0.12598	0.01641
1706_RPA1716_CDS;__1	0.10996	-0.23532	0.00340	0.01488
1707_RPA1717_CDS;__1	0.29921	0.04192	0.12831	-0.14965
1708_RPA1718_CDS;__1	0.16682	-0.09430	-0.04915	-0.11630
1709_RPA1719_CDS;__1	-0.10711	-0.07349	0.22627	0.03676
1710_RPA1720_CDS;__1	-0.08753	0.05552	0.13464	0.12301
1711_RPA1721_CDS;__1	0.11537	0.03094	0.17806	-0.00030
1712_RPA1722_alkB;__1	-0.04307	0.02491	0.09636	0.00056
1713_RPA1723_paaK;__1	-0.13675	0.08778	-0.04143	-0.00731
1714_RPA1724_paaI;__1	-0.11072	0.09812	-0.01067	0.07501

1715_RPA1725_CDS;__1	-0.07021	0.04159	0.13864	-0.15825
1716_RPA1726_CDS;__1	-0.08971	0.06162	-0.04194	0.02924
1717_RPA1727_CDS;__1	-0.00597	0.02014	0.22143	-0.00472
1718_RPA1728_CDS;__1	0.63350	-0.00165	0.01451	-0.01217
1719_RPA1729_CDS;__1	-0.10823	-0.19989	0.15482	-0.05481
1720_RPA1730_CDS;__1	-0.08174	-0.04673	0.06281	0.02287
1721_RPA1731_CDS;__1	0.01845	0.06524	0.15451	0.04293
1722_RPA1732_CDS;__1	-0.02248	-0.02448	0.03088	0.07422
1723_RPA1733_fdxA;__1	-0.01702	-0.00819	-0.24822	0.23381
1724_RPA1734_CDS;__1	-0.18544	-0.06926	-0.04703	0.00350
1725_RPA1736_bglA;__1	-0.10355	0.08502	0.02241	0.06061
1726_RPA1737_CDS;__1	-0.07070	-0.18013	-0.03592	0.08969
1727_RPA1738_CDS;__1	-0.07362	-0.20911	-0.06486	-0.08700
1728_RPA1739_CDS;__1	-0.12021	0.05519	0.01960	0.05545
1729_RPA1740_CDS;__1	-0.13251	0.05367	0.08860	0.11573
1730_RPA1741_CDS;__1	-0.20463	0.09497	-0.11794	0.01579
1731_RPA1742_yeaU;__1	-0.15587	0.05150	-0.02270	-0.00010
1732_RPA1743_CDS;__1	0.15085	-0.43792	-0.14842	-0.04448
1733_RPA1744_serA;__1	-0.09505	0.06964	0.06444	-0.06840
1734_RPA1745_CDS;__1	-0.08092	0.07736	0.03586	0.09593
1735_RPA1746_CDS;__1	-0.00077	0.01775	0.17955	0.12250
1736_RPA1747_CDS;__1	0.12804	0.02569	-0.13786	0.03345
1737_RPA1748_CDS;__1	-0.13488	0.08437	-0.10712	-0.13837
1738_RPA1749_CDS;__1	0.06336	0.10804	-0.22021	0.13134
1739_RPA1750_CDS;__1	-0.14049	-0.04781	-0.09965	0.04516
1740_RPA1751_CDS;__1	-0.01124	-0.19131	-0.09180	-0.00125
1741_RPA1752_CDS;__1	-0.13909	0.04386	0.02647	-0.15213
1742_RPA1753_CDS;__1	-0.02970	0.06126	0.11530	0.10412
1743_RPA1754_ragC;__1	-0.11728	0.05640	-0.03723	-0.03910
1744_RPA1755_ragD;__1	-0.05291	0.10394	-0.03954	-0.06473
1745_RPA1756_CDS;__1	-0.11639	-0.07780	0.02240	0.03540
1746_RPA1757_CDS;__1	-0.16094	-0.14215	-0.01866	-0.02301
1747_RPA1758_CDS;__1	-0.21170	-0.01985	-0.14511	-0.07114
1748_RPA1759_CDS;__1	-0.04052	0.02533	0.07397	-0.09152
1749_RPA1760_CDS;__1	-0.06723	0.01817	0.21184	0.10276
1750_RPA1761_CDS;__1	-0.16658	0.06749	-0.02362	0.05002
1751_RPA1762_CDS;__1	0.02501	-0.05507	-0.12838	0.09198
1752_RPA1763_CDS;__1	-0.22583	0.10728	-0.05955	0.08960
1753_RPA1764_CDS;__1	-0.24231	0.09124	-0.04061	-0.09856
1754_RPA1765_CDS;__1	0.03206	-0.19466	-0.09548	-0.15407
1755_RPA1766_CDS;__1	-0.15284	-0.03535	-0.01314	-0.00878
1756_RPA1767_CDS;__1	-0.08229	-0.00141	0.01540	0.04883
1757_RPA1768_CDS;__1	0.04531	-0.02216	0.09468	0.00241
1758_RPA1769_CDS;__1	0.12169	0.12614	0.03787	-0.02223
1759_RPA1770_CDS;__1	-0.03090	0.07313	0.10814	0.14098
1760_RPA1771_CDS;__1	0.02101	0.07459	-0.01914	0.01494
1761_RPA1772_ppc;__1	-0.13583	0.04486	0.07713	-0.02364
1762_RPA1773_CDS;__1	0.00579	-0.12149	0.18322	-0.00935
1763_RPA1774_CDS;__1	-0.16882	0.03965	0.04641	0.03041
1764_RPA1775_CDS;__1	-0.28981	0.07105	-0.04413	-0.03526
1765_RPA1776_CDS;__1	-0.24557	0.05095	0.02092	0.01915
1766_RPA1777_CDS;__1	-0.07938	0.11174	-0.07873	0.02476
1767_RPA1778_CDS;__1	-0.11245	-0.04311	0.02313	0.00535
1768_RPA1779_CDS;__1	-0.20596	0.02994	0.01587	-0.01595
1769_RPA1780_CDS;__1	0.16352	0.08963	0.02846	-0.27912
1770_RPA1781_phbH;__1	-0.14158	0.08459	0.03630	0.02836
1771_RPA1782_CDS;__1	-0.12410	0.08795	-0.02392	0.06466

1772_RPA1783_CDS;__1	0.02086	-0.44415	-0.14836	0.02872
1773_RPA1784_CDS;__1	-0.20061	-0.01559	0.17314	-0.02046
1774_RPA1785_CDS;__2	-0.00092	-0.01581	0.08516	0.14740
1775_RPA1786_CDS;__2	-0.07795	0.04642	0.08053	0.08278
1776_RPA1787_fcs2;__2	-0.10980	-0.10252	0.02838	0.01178
1777_RPA1788_CDS;__2	0.11258	-0.48720	-0.17126	-0.02617
1778_RPA1789_CDS;__2	-0.20091	-0.01462	-0.10053	-0.13995
1779_RPA1790_CDS;__2	-0.03688	0.05113	0.01336	0.02456
1780_RPA1791_CDS;__2	-0.22655	-0.00940	-0.05873	0.03075
1781_RPA1792_CDS;__2	-0.11394	-0.21347	-0.05078	-0.02532
1782_RPA1793_CDS;__2	-0.14228	0.07513	-0.05412	0.00420
1783_RPA1794_CDS;__2	-0.15386	0.08162	-0.05886	0.00467
1784_RPA1795_CDS;__2	-0.00288	-0.05228	-0.01564	-0.07938
1785_RPA1796_CDS;__2	-0.13536	0.05750	0.04562	0.01709
1786_RPA1797_CDS;__2	-0.04958	0.06155	0.05989	0.09018
1787_RPA1798_CDS;__2	-0.22416	0.10084	-0.08826	0.00072
1788_RPA1799_ung;__2	-0.09485	0.06671	0.09618	0.14243
1789_RPA1800_CDS;__2	-0.05552	-0.10131	0.01850	0.10091
1790_RPA1801_CDS;__2	0.16408	-0.05900	0.00187	-0.02996
1791_RPA1802_CDS;__2	-0.03646	0.01721	0.26055	0.10535
1792_RPA1803_dnaE2;__2	-0.05495	-0.02030	0.12493	0.01786
1793_RPA1804_CDS;__2	0.04022	0.04584	0.05430	-0.00253
1794_RPA1805_CDS;__2	0.08881	-0.01937	0.13395	-0.04333
1795_RPA1806_CDS;__2	-0.05840	-0.07400	-0.03717	0.01381
1796_RPA1807_CDS;__2	-0.10793	0.05685	0.02232	-0.05815
1797_RPA1808_czcA;__2	-0.13445	0.05910	0.00473	0.02965
1798_RPA1809_CDS;__2	0.02078	-0.08409	-0.04463	0.13553
1799_RPA1810_CDS;__2	-0.11794	0.02034	-0.02778	0.04154
1800_RPA1811_CDS;__2	-0.15689	0.09702	-0.06867	-0.03841
1801_RPA1812_CDS;__2	0.19486	0.16485	-0.04050	0.12478
1802_RPA1813_CDS;__2	0.24205	-0.23880	0.12718	0.01374
1803_RPA1814_CDS;__2	-0.00029	-0.24507	-0.08874	-0.00937
1804_RPA1815_CDS;__2	0.33159	-0.05119	-0.04149	-0.22631
1805_RPA1816_CDS;__2	-0.05649	-0.11836	-0.01008	0.04286
1806_RPA1817_CDS;__2	-0.07555	-0.14834	-0.02031	0.08984
1807_RPA1818_CDS;__2	0.10808	0.02496	-0.00381	0.17795
1808_RPA1819_CDS;__2	0.34764	0.10904	0.09996	0.02739
1809_RPA1820_CDS;__2	0.09711	-0.06711	0.05669	-0.07949
1810_RPA1821_CDS;__2	0.12373	0.14441	-0.18513	-0.01871
1811_RPA1822_CDS;__2	-0.04181	0.08739	-0.10210	-0.07954
1812_RPA1823_CDS;__2	-0.05113	-0.02313	-0.06711	0.00619
1813_RPA1824_CDS;__2	0.24652	0.16184	-0.15398	0.14073
1814_RPA1825_CDS;__2	0.24706	0.10909	0.16941	-0.11188
1815_RPA1826_CDS;__2	-0.04031	0.07726	0.06662	0.02490
1816_RPA1827_CDS;__2	0.21682	0.03202	0.23458	-0.05343
1817_RPA1828_CDS;__2	0.12874	0.04723	0.20899	-0.11786
1818_RPA1829_argK;__2	-0.12918	0.05561	0.04225	0.08169
1819_RPA1830_CDS;__2	0.12754	0.20553	0.05617	0.31481
1820_RPA1831_CDS;__2	-0.06608	-0.16400	-0.14100	0.14071
1821_RPA1832_CDS;__2	-0.00813	-0.20406	0.06775	-0.04127
1822_RPA1833_CDS;__2	0.46217	0.06367	0.05015	-0.13794
1823_RPA1834_CDS;__2	0.53646	0.09687	0.05380	-0.01404
1824_RPA1835_mutB;__2	-0.22412	0.06803	-0.05644	0.01784
1825_RPA1836_CDS;__2	-0.05937	0.05225	0.13359	0.12558
1826_RPA1837_CDS;__2	-0.10576	0.01904	-0.02001	0.00989
1827_RPA1838_folK;__2	-0.14216	-0.21388	-0.07281	0.10969
1828_RPA1839_folB;__2	-0.03976	-0.47599	-0.08467	-0.01098

1829_RPA1840_folP;_2	0.03360	0.07320	0.04054	-0.03371
1830_RPA1841_CDS;_2	0.14546	0.10820	0.00368	0.10269
1831_RPA1842_CDS;_2	0.51952	0.23251	-0.37322	0.18198
1832_RPA1843_CDS;_2	-0.07283	-0.00390	-0.04705	-0.05249
1833_RPA1844_CDS;_2	-0.08635	0.03853	0.05473	-0.07992
1834_RPA1845_CDS;_2	0.01112	0.01472	-0.04882	-0.07339
1835_RPA1846_CDS;_2	-0.00633	-0.05386	0.19175	0.04552
1836_RPA1847_CDS;_2	0.22445	-0.48292	0.06423	-0.02234
1837_RPA1848_CDS;_2	0.08111	0.04755	0.15524	-0.08149
1838_RPA1849_CDS;_2	0.12913	-0.07317	-0.09206	0.00970
1839_RPA1850_CDS;_2	0.13188	-0.17645	-0.03849	0.06374
1840_RPA1851_CDS;_2	0.02110	0.09733	0.11143	0.18133
1841_RPA1852_mucR;_2	0.11617	-0.49660	-0.07707	-0.11244
1842_RPA1853_CDS;_2	0.05818	0.00042	0.00421	-0.21583
1843_RPA1854_CDS;_2	0.21028	0.03612	0.16060	-0.00754
1844_RPA1855_CDS;_2	0.19577	0.11993	0.11570	-0.16680
1845_RPA1856_CDS;_2	-0.24465	0.03558	0.04788	0.04846
1846_RPA1857_CDS;_2	0.01444	0.03247	0.07697	-0.17009
1847_RPA1858_CDS;_2	0.01108	-0.02925	-0.07926	-0.08877
1848_RPA1859_CDS;_2	-0.05555	-0.00358	-0.03711	-0.15508
1849_RPA1860_CDS;_2	0.33701	0.11191	0.07024	-0.32100
1850_RPA1861_CDS;_2	0.09788	-0.49530	-0.11695	0.06924
1851_RPA1862_CDS;_2	-0.08281	-0.08820	-0.15377	-0.02024
1852_RPA1863_CDS;_2	0.11710	0.05106	-0.04064	0.11769
1853_RPA1864_CDS;_2	-0.04577	0.03701	0.11456	0.06444
1854_RPA1865_CDS;_2	-0.14653	0.08018	-0.02029	0.07714
1855_RPA1866_CDS;_2	-0.15582	0.06857	0.09208	0.02549
1856_RPA1867_CDS;_2	-0.19616	0.07398	-0.03813	0.03533
1857_RPA1868_CDS;_2	0.02583	0.10395	0.09713	0.17992
1858_RPA1869_CDS;_2	-0.10712	-0.00701	0.00292	0.11716
1859_RPA1870_CDS;_2	0.00561	-0.19695	-0.05559	-0.05537
1860_RPA1871_CDS;_2	-0.05524	-0.08006	0.08449	-0.03900
1861_RPA1872_thcC;_2	0.09573	-0.07724	0.02516	-0.22614
1862_RPA1873_CDS;_2	-0.12795	0.05846	0.03651	0.04692
1863_RPA1874_CDS;_2	0.42409	0.21147	-0.18925	0.47645
1864_RPA1875_CDS;_2	-0.01158	0.06639	0.06690	0.07723
1865_RPA1876_CDS;_2	-0.16702	0.06929	0.06446	0.01701
1866_RPA1877_CDS;_2	0.19638	-0.16102	-0.04392	0.18675
1867_RPA1878_CDS;_2	0.08583	0.07666	0.02398	0.04456
1868_RPA1879_CDS;_2	-0.04978	0.09241	-0.07739	-0.00653
1869_RPA1880_CDS;_2	0.02443	-0.12063	0.00887	-0.01361
1870_RPA1881_CDS;_2	0.01459	0.06592	0.11201	-0.14659
1871_RPA1882_CDS;_2	0.15959	0.06834	0.08176	-0.27708
1872_RPA1883_CDS;_2	0.14830	0.08279	0.03069	0.04160
1873_RPA1884_CDS;_2	0.01482	-0.01404	0.04383	-0.02842
1874_RPA1885_CDS;_2	0.04788	0.04856	0.08715	0.07676
1875_RPA1886_CDS;_2	0.27623	-0.00329	0.24440	-0.34900
1876_RPA1887_CDS;_2	-0.14385	-0.06473	0.09706	-0.07594
1877_RPA1888_CDS;_2	-0.25190	-0.07183	0.11749	-0.05449
1878_RPA1889_CDS;_2	0.42355	-0.40132	-0.05405	-0.13018
1879_RPA1890_CDS;_2	1.14562	0.27841	-0.11197	0.20315
1880_RPA1891_CDS;_2	0.16620	-0.52820	0.02810	0.11992
1881_RPA1892_CDS;_2	-0.08712	0.03311	0.19922	0.08603
1882_RPA1893_CDS;_2	-0.12520	-0.12845	0.22263	0.01382
1883_RPA1894_CDS;_2	-0.22623	0.02574	0.07407	-0.01026
1884_RPA1895_CDS;_2	-0.20516	-0.07725	0.04467	0.06821
1885_RPA1896_GTA_orf	-0.24851	0.03285	0.13634	-0.15767

1886_RPA1897_GTA_orf	0.05709	-0.09745	0.42556	-0.38204
1887_RPA1898_GTA_orf	-0.05816	0.00562	0.06227	-0.12420
1888_RPA1899_GTA_orf	-0.18959	0.12184	-0.01258	0.11837
1889_RPA1900_GTA_orf	-0.01404	0.02311	0.02269	0.07391
1890_RPA1901_GTA_orf	0.07719	-0.11432	0.31705	0.06239
1891_RPA1902_GTA_orf	-0.26114	-0.11138	-0.05598	0.03882
1892_RPA1903_GTA_orf	-0.22722	0.08696	0.01477	0.10659
1893_RPA1904_CDS;_2	1.06710	-0.29055	-0.34217	0.01350
1894_RPA1905_GTA_orf	-0.15416	0.02901	0.13860	-0.10442
1895_RPA1906_GTA_ofr	-0.07534	-0.03101	0.28172	0.03655
1896_RPA1907_CDS;_2	-0.24710	-0.05120	0.11488	0.08623
1897_RPA1908_CDS;_2	-0.17974	0.07505	-0.00708	0.10129
1898_RPA1909_CDS;_2	-0.02646	-0.55354	0.04741	-0.12708
1899_RPA1910_CDS;_2	-0.19026	0.00831	0.13852	0.03772
1900_RPA1911_CDS;_2	0.08115	-0.02982	0.14545	-0.09287
1901_RPA1912_CDS;_2	-0.06535	0.00904	0.20753	-0.00972
1902_RPA1913_CDS;_2	-0.00977	0.02887	0.18207	-0.04322
1903_RPA1914_CDS;_2	-0.02199	-0.10626	0.17333	0.14861
1904_RPA1915_feuP;_	-0.29770	0.03502	0.10996	0.04517
1905_RPA1916_feuQ;_	-0.13018	0.05405	0.05249	-0.04308
1906_RPA1917_lipA;_	-0.10792	0.09987	-0.07961	0.05155
1907_RPA1918_CDS;_2	-0.12077	0.05905	0.06946	0.06357
1908_RPA1919_cycH;_	-0.15259	-0.04090	0.05829	-0.01813
1909_RPA1920_cycJ;_	-0.16705	-0.05040	0.01103	-0.01027
1910_RPA1921_cycK;_	-0.29982	0.02637	0.00661	0.03223
1911_RPA1922_cycL;_	-0.17832	0.01249	0.15847	0.08682
1912_RPA1923_aimE;_	-0.24373	0.06239	-0.04087	-0.13587
1913_RPA1924_CDS;_2	-0.18846	0.02346	0.19293	-0.05894
1914_RPA1925_CDS;_2	0.23605	0.14689	-0.05432	0.02613
1915_RPA1926_CDS;_2	0.30254	0.05463	0.20024	0.07788
1916_RPA1927_CDS;_2	-0.06403	0.06524	0.11817	-0.17732
1917_RPA1928_CDS;_2	-0.22724	-0.01488	-0.14473	-0.01024
1918_RPA1929_CDS;_2	-0.20330	0.00135	-0.12595	-0.04812
1919_RPA1930_CDS;_2	-0.17919	-0.00919	0.00780	-0.06617
1920_RPA1931_CDS;_2	-0.09782	0.09093	-0.03606	0.00646
1921_RPA1932_CDS;_2	-0.01465	0.00000	0.03051	0.00797
1922_RPA1933_glnE;_	-0.14302	0.02994	0.07417	0.05174
1923_RPA1934_CDS;_2	0.23230	0.12446	0.10560	0.25127
1924_RPA1935_CDS;_2	-0.21161	0.03530	0.04671	0.04116
1925_RPA1936_CDS;_2	-0.11262	-0.11885	-0.02137	0.01014
1926_RPA1937_CDS;_2	0.13874	0.11885	0.02975	-0.16565
1927_RPA1938_CDS;_2	-0.11654	0.06446	0.01645	0.01752
1928_RPA1939_CDS;_2	-0.21933	0.07450	0.01770	-0.01183
1929_RPA1940_CDS;_2	-0.22965	0.07067	0.02043	0.05256
1930_RPA1941_CDS;_2	-0.26718	0.05238	0.00751	0.01054
1931_RPA1942_CDS;_2	-0.03087	0.09695	-0.02523	0.00110
1932_RPA1943_panE;_	-0.24513	-0.06565	-0.07959	0.03942
1933_RPA1944_oxlT;_	-0.03983	-0.11825	0.00010	-0.09281
1934_RPA1945_CDS;_2	-0.22043	0.08971	-0.06031	0.05439
1935_RPA1946_CDS;_2	-0.01630	0.10211	0.03647	0.11599
1936_RPA1947_pqqB;_	0.05187	-0.37390	-0.01034	-0.02557
1937_RPA1948_pqqC;_	-0.17671	0.02524	0.09347	0.03058
1938_RPA1949_pqqD;_	-0.14741	-0.14477	0.10648	0.03195
1939_RPA1950_pqqE;_	-0.10246	-0.06628	0.11782	-0.08572
1940_RPA1951_CDS;_2	-0.06352	0.02841	0.01119	0.07104
1941_RPA1952_CDS;_2	-0.09854	0.10152	-0.10905	-0.05350
1942_RPA1953_CDS;_2	-0.05795	-0.01045	0.06807	-0.01516

1943_RPA1954_CDS;_2	0.07397	-0.04327	0.18181	0.14415
1944_RPA1955_CDS;_2	-0.30148	0.08366	-0.05280	0.03769
1945_RPA1956_CDS;_2	-0.16379	0.04455	0.01018	0.02019
1946_RPA1957_CDS;_2	-0.12307	-0.00258	-0.04915	0.01580
1947_RPA1958_CDS;_2	-0.05765	0.01226	-0.10536	-0.21188
1948_RPA1959_CDS;_2	-0.06370	0.07075	0.07606	-0.01822
1949_RPA1960_CDS;_2	-0.07235	-0.00308	0.25458	-0.18097
1950_RPA1961_CDS;_2	-0.14923	0.03106	0.07979	-0.03064
1951_RPA1962_CDS;_2	0.20132	0.11453	0.11952	-0.64522
1952_RPA1963_CDS;_2	0.10075	-0.45756	-0.16406	-0.05142
1953_RPA1964_CDS;_2	0.06470	-0.00169	0.04842	-0.08783
1954_RPA1965_CDS;_2	-0.09591	0.05261	0.07656	-0.02948
1955_RPA1966_CDS;_2	0.07889	0.10065	-0.00975	0.08896
1956_RPA1967_CDS;_2	-0.05175	0.06079	0.12766	-0.02399
1957_RPA1968_CDS;_2	-0.13428	0.03377	0.07858	-0.01025
1958_RPA1969_yjbN;_2	-0.07463	-0.09183	0.09624	-0.14279
1959_RPA1970_CDS;_2	-0.12478	0.00261	0.02925	-0.05099
1960_RPA1971_CDS;_2	0.17805	-0.07096	-0.09619	0.12191
1961_RPA1972_CDS;_2	-0.15405	-0.23336	0.01250	0.06887
1962_RPA1973_CDS;_2	-0.07837	0.06866	0.04863	0.08526
1963_RPA1974_CDS;_2	-0.00086	0.04443	0.08362	-0.14115
1964_RPA1975_CDS;_2	-0.23002	0.11319	-0.23926	-0.12391
1965_RPA1976_CDS;_2	-0.23073	-0.00468	-0.10563	0.02355
1966_RPA1977_CDS;_2	0.12640	0.07020	0.12408	0.07140
1967_RPA1978_moaA;_2	-0.08207	-0.02575	-0.02918	0.11237
1968_RPA1979_CDS;_2	-0.02172	-0.12383	-0.11679	-0.04737
1969_RPA1980_cbbZ;_2	-0.07178	0.08849	-0.08030	-0.02402
1970_RPA1981_cbbI,_r	0.09291	0.04690	0.12977	0.07042
1971_RPA1982_CDS;_2	-0.10242	0.02141	-0.05218	0.07880
1972_RPA1983_gor;_2	-0.18258	0.08165	-0.01644	-0.01241
1973_RPA1984_arOG;_2	-0.23083	0.06036	-0.00068	-0.04364
1974_RPA1985_CDS;_2	-0.17470	-0.02506	-0.05154	0.04320
1975_RPA1986_nadE;_2	-0.19342	0.05024	0.01289	-0.05045
1976_RPA1987_CDS;_2	0.35663	0.13074	-0.08531	-0.09052
1977_RPA1988_CDS;_2	0.33869	-0.16817	-0.00355	-0.03842
1978_RPA1989_CDS;_2	0.33755	0.08491	0.04821	0.01433
1979_RPA1990_CDS;_2	-0.01263	-0.11586	-0.03760	0.01760
1980_RPA1991_CDS;_2	0.15917	-0.46688	-0.16831	-0.06867
1981_RPA1992_CDS;_2	0.49558	0.17409	0.07560	-0.11430
1982_RPA1993_CDS;_2	0.64691	0.15311	-0.21505	0.11988
1983_RPA1994_CDS;_2	0.19186	-0.18672	0.13594	-0.04033
1984_RPA1995_CDS;_2	-0.30053	0.09520	-0.05964	0.01481
1985_RPA1996_CDS;_2	-0.12451	0.01535	0.17349	0.06283
1986_RPA1997_cysS;_2	-0.15978	0.03809	0.04074	0.01766
1987_RPA1998_CDS;_2	-0.05621	-0.19553	0.46488	0.10487
1988_RPA1999_CDS;_2	-0.06403	0.00845	-0.05830	0.01357
1989_RPA2000_CDS;_2	-0.24703	0.05972	-0.05830	-0.03633
1990_RPA2001_leuA;_2	-0.07002	-0.14640	0.05355	0.01152
1991_RPA2002_CDS;_2	-0.12069	0.03719	0.08507	0.05036
1992_RPA2003_CDS;_2	-0.08463	-0.06999	-0.02234	0.00187
1993_RPA2004_CDS;_2	0.25973	0.16906	-0.01834	-0.04198
1994_RPA2005_CDS;_2	-0.07666	-0.49585	-0.17513	-0.00923
1995_RPA2006_psd;_2	-0.19898	0.02901	0.02889	-0.00882
1996_RPA2007_pssA;_2	-0.13706	0.02038	0.12364	0.11460
1997_RPA2008_CDS;_2	0.00219	0.00821	-0.04367	0.11126
1998_RPA2009_CDS;_2	-0.12559	-0.18672	-0.18246	-0.03930
1999_RPA2010_motB1;_2	-0.23114	-0.00122	-0.11313	-0.00878

2000_RPA2011_CDS;__2	-0.06118	0.04157	0.09062	-0.03213
2001_RPA2012_CDS;__2	-0.06024	0.08385	-0.18103	-0.04283
2002_RPA2013_CDS;__2	-0.09407	-0.05608	-0.00750	-0.05323
2003_RPA2014_CDS;__2	-0.06794	0.06272	0.05896	0.14087
2004_RPA2015_CDS;__2	0.36561	-0.05555	0.04210	0.01819
2005_RPA2016_CDS;__2	-0.01750	0.07567	0.05991	0.03191
2006_RPA2017_CDS;__2	-0.05130	0.05241	0.12650	-0.21897
2007_RPA2018_CDS;__2	-0.26193	0.09034	-0.09064	0.01045
2008_RPA2019_CDS;__2	-0.17728	0.07312	-0.02956	0.04298
2009_RPA2020_CDS;__2	-0.15106	-0.01177	-0.03582	-0.03463
2010_RPA2021_CDS;__2	0.02368	0.04551	0.18347	-0.06140
2011_RPA2022_CDS;__2	0.00908	0.06628	0.03796	-0.04488
2012_RPA2023_CDS;__2	0.10067	-0.14896	-0.06057	0.24597
2013_RPA2024_CDS;__2	-0.05693	0.01900	0.17677	-0.00740
2014_RPA2025_CDS;__2	0.18766	0.10316	0.06726	0.05361
2015_RPA2026_CDS;__2	0.11538	0.10662	-0.01068	-0.00004
2016_RPA2027_CDS;__2	-0.16423	0.07766	-0.03824	0.03627
2017_RPA2028_CDS;__2	0.16287	0.06141	0.00966	-0.01750
2018_RPA2029_serB;__	-0.14253	0.05912	0.05755	0.09959
2019_RPA2030_miaA;__	0.12336	-0.04558	0.13678	0.06929
2020_RPA2031_ilvI;__	-0.17729	-0.00108	-0.11432	-0.08357
2021_RPA2032_ilvH;__	-0.20138	-0.00473	-0.09397	-0.01782
2022_RPA2033_CDS;__2	-0.17298	-0.01944	-0.01902	-0.27464
2023_RPA2034_CDS;__2	-0.12147	-0.02911	0.25616	0.07299
2024_RPA2035_ilvC;__	-0.34406	-0.06551	-0.14232	0.02970
2025_RPA2036_CDS;__2	0.01296	0.05721	0.05178	0.02103
2026_RPA2037_CDS;__2	-0.18827	0.09372	-0.08719	0.00081
2027_RPA2038_CDS;__2	0.06231	-0.54299	0.04742	0.14138
2028_RPA2039_CDS;__2	0.08799	0.11375	0.01370	-0.05989
2029_RPA2040_CDS;__2	0.17454	-0.43046	-0.13330	0.19826
2030_RPA2041_CDS;__2	-0.11905	-0.00930	0.19099	-0.08650
2031_RPA2042_CDS;__2	0.00765	-0.04879	0.16658	-0.00474
2032_RPA2043_CDS;__2	-0.06663	0.08467	0.01623	0.05947
2033_RPA2044_CDS;__2	-0.00225	0.05113	0.11126	0.07172
2034_RPA2045_bioB;__	-0.25252	0.06306	0.04473	-0.02164
2035_RPA2046_leuI;__	-0.23064	0.07172	-0.07797	0.02034
2036_RPA2047_dctP;__	-0.30558	-0.00593	-0.07343	0.02849
2037_RPA2048_dctQ;__	-0.13470	0.05066	0.04949	0.05852
2038_RPA2049_dctM;__	-0.16219	-0.31036	-0.15563	-0.08257
2039_RPA2050_CDS;__2	-0.25886	0.00852	-0.08711	-0.01218
2040_RPA2051_CDS;__2	-0.13675	0.03063	0.13370	0.02615
2041_RPA2052_CDS;__2	0.12007	0.06763	0.00099	0.05144
2042_RPA2053_CDS;__2	0.09306	0.08942	-0.02033	0.06959
2043_RPA2054_CDS;__2	0.11197	-0.47386	-0.08693	-0.04421
2044_RPA2055_CDS;__2	-0.05323	0.06533	0.09345	0.04691
2045_RPA2056_czcA;__	-0.06351	0.06341	0.03978	-0.01339
2046_RPA2057_CDS;__2	-0.00307	0.05824	-0.11492	0.06505
2047_RPA2058_CDS;__2	0.26698	0.05460	0.29868	-0.27013
2048_RPA2059_CDS;__2	0.25062	0.10062	0.00428	0.07158
2049_RPA2060_nosR;__	0.09537	-0.02386	0.01522	-0.04275
2050_RPA2061_nosZ;__	-0.12545	0.00466	-0.02838	-0.06400
2051_RPA2062_nosD;__	-0.07983	-0.23723	0.02652	0.05752
2052_RPA2063_nosF;__	-0.00049	0.03341	0.03290	-0.00927
2053_RPA2064_nosY;__	-0.05643	-0.08308	0.19436	-0.03942
2054_RPA2065_nosL;__	0.00952	0.05224	0.08279	0.02891
2055_RPA2066_nosX;__	0.12222	0.04543	0.15549	-0.16283
2056_RPA2067_CDS;__2	-0.00331	-0.05458	0.09430	-0.05472

2057_RPA2068_CDS;_2	0.21797	-0.24525	0.25348	-0.26376
2058_RPA2069_CDS;_2	0.17654	-0.24555	0.14175	0.04167
2059_RPA2070_CDS;_2	0.01572	-0.02126	0.06247	-0.01201
2060_RPA2071_CDS;_2	0.09292	0.02914	-0.12795	0.06691
2061_RPA2072_CDS;_2	-0.17504	-0.00963	-0.04294	0.06321
2062_RPA2073_CDS;_2	-0.08245	0.08900	0.02042	0.00773
2063_RPA2074_CDS;_2	-0.02187	0.03630	0.14444	-0.10854
2064_RPA2075_CDS;_2	0.12828	0.09921	0.05116	0.03643
2065_RPA2076_CDS;_2	0.18083	0.12384	0.07743	-0.07761
2066_RPA2077_CDS;_2	0.32976	-0.11352	-0.06157	0.04044
2067_RPA2078_CDS;_2	0.05471	0.06178	-0.20134	-0.01454
2068_RPA2079_CDS;_2	0.17274	0.00841	-0.04591	0.01964
2069_RPA2080_CDS;_2	-0.10337	0.04326	-0.06916	0.04107
2070_RPA2081_CDS;_2	0.17306	0.07359	0.06484	0.09172
2071_RPA2082_cobA;_2	-0.10968	0.06494	0.10286	0.05933
2072_RPA2083_cobB;_2	-0.00689	0.08205	0.11852	-0.16340
2073_RPA2084_cobM;_2	-0.19398	0.07490	-0.07594	-0.01305
2074_RPA2085_CbiG;_2	0.32228	0.16861	-0.05944	-0.09088
2075_RPA2086_cobL;_2	-0.00260	0.04414	0.13045	0.07095
2076_RPA2087_cobK;_2	-0.01718	0.02096	0.12025	-0.14526
2077_RPA2088_cobJ;_2	0.04161	0.09080	-0.02792	0.02596
2078_RPA2089_cobI;_2	0.05130	-0.08989	0.09711	0.06002
2079_RPA2090_cobH;_2	-0.11567	0.06407	-0.02414	-0.01464
2080_RPA2091_CDS;_2	0.04911	0.14971	-0.12280	0.00428
2081_RPA2092_CDS;_2	0.10165	-0.01971	0.20512	0.07108
2082_RPA2093_CDS;_2	0.21905	-0.09964	0.02250	0.02532
2083_RPA2094_cobT;_2	0.08235	0.07175	-0.05558	-0.04862
2084_RPA2095_CDS;_2	-0.03340	0.01109	0.24712	-0.13025
2085_RPA2096_cobQ;_2	-0.03627	-0.02615	0.07190	0.02983
2086_RPA2097_cobF;_2	-0.03165	0.03036	0.12471	-0.00986
2087_RPA2098_CDS;_2	0.22440	0.05884	0.20430	-0.34406
2088_RPA2099_CDS;_2	0.13802	-0.20642	0.05175	-0.00367
2089_RPA2100_CDS;_2	-0.18908	-0.11240	-0.11948	-0.06306
2090_RPA2101_CDS;_2	-0.05309	-0.01550	0.02275	-0.04054
2091_RPA2102_CDS;_2	0.33907	0.02549	0.02100	0.11054
2092_RPA2103_CDS;_2	0.10732	-0.02079	0.07366	-0.08818
2093_RPA2104_CDS;_2	-0.14571	0.01730	0.09441	0.02231
2094_RPA2105_CDS;_2	-0.09979	0.06186	-0.19746	0.00909
2095_RPA2106_CDS;_2	0.05192	0.03774	-0.02113	0.00439
2096_RPA2107_CDS;_2	0.09630	0.03120	0.00907	0.00940
2097_RPA2108_CDS;_2	0.38278	-0.02530	-0.01778	0.19653
2098_RPA2109_CDS;_2	0.14895	0.11755	0.01547	0.00562
2099_RPA2110_CDS;_2	0.34762	-0.08781	0.09295	0.00264
2100_RPA2111_CDS;_2	0.04428	0.07250	0.10025	-0.06167
2101_RPA2112_nrtA;_2	-0.15629	-0.15709	-0.08269	-0.04986
2102_RPA2113_nrtB;_2	0.02897	-0.48462	-0.15878	0.03285
2103_RPA2114_nrtC;_2	-0.13711	0.07137	-0.05393	-0.00039
2104_RPA2115_cynS;_2	-0.18869	0.07869	-0.11862	-0.02380
2105_RPA2116_CDS;_2	-0.18700	-0.06818	-0.27003	-0.10217
2106_RPA2117_CDS;_2	0.01352	0.10452	0.05506	-0.13449
2107_RPA2118_CDS;_2	-0.04095	0.07774	0.03970	0.10243
2108_RPA2119_CDS;_2	-0.01704	-0.02600	0.03893	0.01850
2109_RPA2120_CDS;_2	0.04541	-0.17314	-0.14980	0.06069
2110_RPA2121_CDS;_2	0.27762	0.03728	0.03298	0.15954
2111_RPA2122_CDS;_2	0.09341	-0.11922	0.16986	-0.08349
2112_RPA2123_CDS;_2	0.05223	0.03671	0.14234	-0.10143
2113_RPA2124_CDS;_2	-0.00751	0.08462	-0.03169	-0.09145

2114_RPA2125_CDS;__2	-0.06173	-0.07857	0.22999	0.10080
2115_RPA2126_CDS;__2	-0.08721	0.05580	0.05978	-0.19099
2116_RPA2127_exbB;__2	0.04834	-0.06885	0.15734	0.03167
2117_RPA2128_exbD;__2	-0.11270	-0.04529	0.06012	-0.05110
2118_RPA2129_CDS;__2	0.03587	-0.05210	0.21221	0.05318
2119_RPA2130_CDS;__2	0.10133	-0.01690	0.14030	0.03290
2120_RPA2131_CDS;__2	0.27713	0.03391	-0.01135	0.08992
2121_RPA2132_CDS;__2	-0.05623	0.08667	-0.06193	0.00171
2122_RPA2133_CDS;__2	0.25171	-0.13339	0.08647	0.03532
2123_RPA2134_CDS;__2	0.40179	0.07953	-0.38081	-0.17840
2124_RPA2135_CDS;__2	0.00168	0.07146	0.09097	-0.00627
2125_RPA2136_CDS;__2	-0.10666	0.11914	-0.21142	-0.03422
2126_RPA2137_CDS;__2	0.00844	-0.01144	0.01636	0.08058
2127_RPA2138_CDS;__2	-0.11677	0.03724	-0.10161	0.07786
2128_RPA2139_CDS;__2	0.08268	-0.10300	0.04551	0.16571
2129_RPA2140_CDS;__2	-0.13353	-0.14913	0.02181	0.02312
2130_RPA2141_CDS;__2	-0.21068	-0.00618	-0.02310	0.04933
2131_RPA2142_CDS;__2	-0.17719	0.05606	0.01512	-0.02774
2132_RPA2143_CDS;__2	-0.11085	0.07281	0.01921	0.03260
2133_RPA2144_CDS;__2	-0.04327	-0.11308	-0.01355	-0.08733
2134_RPA2145_CDS;__2	-0.02914	0.06284	0.10825	0.08815
2135_RPA2146_CDS;__2	-0.19339	-0.10860	0.05624	0.00450
2136_RPA2147_CDS;__2	-0.08030	0.01081	0.16832	0.08930
2137_RPA2148_CDS;__2	-0.16911	0.02903	0.09325	0.05150
2138_RPA2149_CDS;__2	0.05287	-0.06294	0.01505	0.06419
2139_RPA2150_CDS;__2	0.05185	-0.18275	0.08216	0.07896
2140_RPA2151_CDS;__2	-0.11137	-0.01348	0.18401	-0.01488
2141_RPA2152_CDS;__2	0.02589	-0.05398	0.04700	-0.07702
2142_RPA2153_CDS;__2	-0.27746	0.06417	-0.07228	-0.02658
2143_RPA2154_CDS;__2	0.45774	-0.04447	-0.11738	-0.14338
2144_RPA2155_ilvD;__2	-0.00377	-0.03115	0.09188	-0.00233
2145_RPA2156_CDS;__2	-0.07553	0.11465	0.00062	0.15880
2146_RPA2157_CDS;__2	-0.10694	0.13719	-0.14377	0.03755
2147_RPA2158_CDS;__2	0.15502	-0.26248	-0.15710	0.08932
2148_RPA2159_CDS;__2	0.40101	0.26235	-0.29765	-0.23433
2149_RPA2160_CDS;__2	-0.01499	0.03349	-0.02621	0.10128
2150_RPA2161_CDS;__2	-0.00325	-0.08437	-0.14875	0.07559
2151_RPA2162_CDS;__2	-0.00866	0.08148	0.02996	-0.04279
2152_RPA2163_CDS;__2	0.05277	-0.00680	-0.00631	-0.02375
2153_RPA2164_groEL_2	-0.36356	0.06470	-0.33331	-0.04947
2154_RPA2165_CDS;__2	-0.10686	0.04605	-0.17156	-0.09066
2155_RPA2166_CDS;__2	0.36807	0.14463	-0.06687	-0.16214
2156_RPA2167_CDS;__2	0.04235	0.06133	0.11186	0.09199
2157_RPA2168_CDS;__2	-0.08044	0.02083	0.14954	0.04986
2158_RPA2169_CDS;__2	-0.01065	-0.11852	0.14129	0.06376
2159_RPA2170_CDS;__2	0.05691	-0.06285	-0.01189	0.05315
2160_RPA2171_CDS;__2	0.04040	-0.05032	0.19154	0.08910
2161_RPA2172_CDS;__2	-0.28704	0.06331	-0.02131	0.02518
2162_RPA2173_CDS;__2	0.22070	0.22004	-0.20012	0.16405
2163_RPA2174_CDS;__2	-0.18050	-0.04985	-0.08883	0.06103
2164_RPA2175_CDS;__2	-0.19547	0.07321	0.06937	0.15125
2165_RPA2176_CDS;__2	-0.19705	0.05874	-0.00281	-0.01433
2166_RPA2177_CDS;__2	-0.18578	0.06634	-0.01603	0.05719
2167_RPA2178_CDS;__2	-0.21015	-0.00156	0.18197	0.07216
2168_RPA2179_CDS;__2	0.06643	0.06043	0.21452	-0.29262
2169_RPA2180_CDS;__2	0.32346	-0.13051	0.17818	-0.18482
2170_RPA2181_CDS;__2	-0.17061	0.03532	0.11586	0.06140

2171_RPA2182_CDS;_2	0.00769	0.04523	0.14108	0.11141
2172_RPA2183_CDS;_2	0.02076	-0.21098	-0.02493	-0.05337
2173_RPA2184_CDS;_2	-0.01817	-0.32828	-0.01602	-0.14559
2174_RPA2185_CDS;_2	-0.23596	0.05366	-0.02924	-0.03642
2175_RPA2186_CDS;_2	-0.28219	0.06150	-0.05880	-0.05565
2176_RPA2187_CDS;_2	0.09590	-0.24548	0.07006	0.05497
2177_RPA2188_CDS;_2	0.01078	0.15515	-0.04274	0.02896
2178_RPA2189_CDS;_2	-0.05560	0.05584	0.08918	0.06972
2179_RPA2190_CDS;_2	-0.22730	0.06588	0.04477	0.08307
2180_RPA2191_CDS;_2	-0.09083	-0.22281	-0.04711	0.04031
2181_RPA2192_CDS;_2	0.07327	-0.51253	0.06573	-0.05559
2182_RPA2193_CDS;_2	-0.27245	0.05638	-0.01238	0.04423
2183_RPA2194_CDS;_2	-0.10288	-0.01304	-0.07780	0.06636
2184_RPA2195_CDS;_2	0.03536	-0.13141	0.11931	-0.06335
2185_RPA2196_CDS;_2	0.01136	-0.25585	0.05706	0.08763
2186_RPA2197_CDS;_2	-0.00242	0.05899	-0.11542	0.04472
2187_RPA2198_CDS;_2	-0.03985	0.06768	0.03738	0.00548
2188_RPA2199_CDS;_2	-0.27996	0.00605	-0.03717	-0.04486
2189_RPA2200_guaB;_2	-0.23360	0.09330	-0.07721	0.03186
2190_RPA2201_CDS;_2	-0.15563	0.08299	-0.08679	-0.06399
2191_RPA2202_CDS;_2	-0.13654	0.03856	0.10156	0.08545
2192_RPA2203_guaA;_2	-0.20900	0.12318	-0.09965	0.09309
2193_RPA2204_CDS;_2	0.28734	0.10828	0.00630	-0.00310
2194_RPA2205_CDS;_2	0.53880	-0.37135	-0.29183	-0.13570
2195_RPA2206_CDS;_2	0.65249	0.13156	-0.15028	0.10649
2196_RPA2207_CDS;_2	0.23997	-0.06443	0.07721	0.04618
2197_RPA2208_parB;_2	0.13296	-0.13956	0.13238	0.00981
2198_RPA2209_CDS;_2	0.19189	0.06939	0.05032	-0.01701
2199_RPA2210_CDS;_2	0.17384	0.07885	0.03108	0.03268
2200_RPA2211_CDS;_2	0.28770	-0.02061	-0.14175	0.08214
2201_RPA2212_CDS;_2	0.38664	0.05585	0.04709	0.03242
2202_RPA2213_CDS;_2	0.34996	0.18286	-0.03872	0.00714
2203_RPA2214_CDS;_2	0.20507	-0.02849	-0.03084	-0.02674
2204_RPA2215_CDS;_2	0.20192	0.12138	0.00443	-0.02657
2205_RPA2216_CDS;_2	0.26566	0.02218	-0.02767	-0.04426
2206_RPA2217_CDS;_2	0.38791	-0.45028	-0.03060	-0.08091
2207_RPA2218_CDS;_2	0.19836	-0.19066	-0.05703	-0.04217
2208_RPA2219_CDS;_2	0.37996	0.10286	-0.02066	-0.01134
2209_RPA2220_CDS;_2	0.77235	-0.04243	-0.14108	0.00061
2210_RPA2221_CDS;_2	0.14904	0.06892	0.08343	-0.08610
2211_RPA2222_CDS;_2	0.38907	0.01238	0.11774	-0.11094
2212_RPA2223_CDS;_2	0.32942	0.05884	-0.18387	-0.08456
2213_RPA2224_trbI;_2	0.31255	0.02661	0.08304	-0.09352
2214_RPA2225_trbG;_2	0.36122	-0.43981	-0.11026	0.00794
2215_RPA2226_trbF;_2	0.29771	0.06878	-0.08603	0.07810
2216_RPA2227_trbL;_2	0.31933	0.16419	-0.03057	0.04186
2217_RPA2228_trbK;_2	0.42671	0.15467	0.09092	-0.15556
2218_RPA2229_trbJ;_2	0.18770	0.10654	-0.20133	-0.12695
2219_RPA2230_trbE;_2	0.15957	0.12307	-0.01270	0.07235
2220_RPA2231_trbD;_2	0.08663	-0.02577	0.06294	-0.00228
2221_RPA2232_trbC;_2	-0.00118	0.15744	-0.26276	-0.06536
2222_RPA2233_trbB;_2	0.15820	0.15102	-0.03913	-0.00236
2223_RPA2234_CDS;_2	0.40325	0.06634	0.08335	0.27473
2224_RPA2235_traG;_2	0.34731	-0.15098	-0.06948	-0.03918
2225_RPA2236_CDS;_2	0.40465	0.14352	0.06061	-0.09147
2226_RPA2237_CDS;_2	0.51774	0.16694	-0.01184	-0.00002
2227_RPA2238_CDS;_2	0.41105	-0.09654	-0.01873	-0.15990

2228_RPA2239_CDS;__2	0.20385	0.14082	-0.03203	0.04667
2229_RPA2240_CDS;__2	0.17376	0.03424	0.02765	-0.17598
2230_RPA2241_CDS;__2	0.38699	0.05783	0.04948	0.11844
2231_RPA2242_CDS;__2	0.50656	0.07156	-0.11465	-0.05556
2232_RPA2243_CDS;__2	0.85220	0.15776	0.09558	-0.29825
2233_RPA2244_CDS;__2	-0.23826	0.00425	-0.02182	-0.04865
2234_RPA2245_CDS;__2	0.70442	-0.36747	-0.23176	0.16158
2235_RPA2246_CDS;__2	0.78004	0.29918	-0.03539	0.25069
2236_RPA2247_CDS;__2	0.25675	0.14612	-0.06884	0.08970
2237_RPA2248_CDS;__2	0.39321	0.13920	-0.00087	0.01503
2238_RPA2249_CDS;__2	0.26657	-0.01532	-0.01880	0.02332
2239_RPA2250_CDS;__2	0.44353	0.08397	-0.37551	0.08786
2240_RPA2251_CDS;__2	0.15001	-0.05271	-0.09059	0.04323
2241_RPA2252_CDS;__2	0.18828	-0.09962	0.05194	-0.11499
2242_RPA2253_CDS;__2	0.48932	0.04752	-0.05679	-0.07665
2243_RPA2254_CDS;__2	0.05370	0.09671	-0.01323	0.04640
2244_RPA2255_CDS;__2	0.44136	-0.19897	-0.12695	-0.07765
2245_RPA2256_CDS;__2	-0.00988	0.04487	0.04242	0.07482
2246_RPA2257_arsC;__	0.06154	0.02685	0.11793	0.10989
2247_RPA2258_arsB;__	0.10335	0.05777	0.11048	-0.01392
2248_RPA2259_arsH;__	0.32998	0.11590	-0.02490	-0.01459
2249_RPA2260_CDS;__2	0.60016	-0.00296	-0.08659	-0.04892
2250_RPA2261_CDS;__2	0.34183	0.12269	-0.11781	0.17380
2251_RPA2262_gltS;__	0.06926	0.14943	-0.07816	0.00820
2252_RPA2263_CDS;__2	0.46623	0.15273	0.18010	0.02850
2253_RPA2264_CDS;__2	0.59016	0.06646	0.05244	-0.14366
2254_RPA2265_CDS;__2	0.05551	0.07770	0.12818	0.11627
2255_RPA2266_gst_pa	-0.13298	-0.05479	0.00178	0.01287
2256_RPA2267_CDS;__2	-0.04716	0.01085	-0.04913	0.04943
2257_RPA2268_CDS;__2	-0.07576	0.03256	0.16455	0.00610
2258_RPA2269_CDS;__2	-0.22961	0.07987	-0.03073	0.06676
2259_RPA2270_CDS;__2	0.12024	0.07725	0.17787	0.06094
2260_RPA2271_CDS;__2	-0.21537	0.00949	0.12101	0.04197
2261_RPA2272_CDS;__2	-0.21614	-0.52743	-0.03415	0.05172
2262_RPA2273_CDS;__2	0.42531	0.05425	-0.22854	0.17353
2263_RPA2274_CDS;__2	0.42909	0.01280	-0.08681	0.25398
2264_RPA2275_CDS;__2	-0.11861	0.00323	0.12731	0.01826
2265_RPA2276_CDS;__2	-0.00927	-0.44997	-0.14953	-0.01404
2266_RPA2277_CDS;__2	-0.09975	0.06630	-0.05716	0.02461
2267_RPA2278_CDS;__2	-0.22222	0.03301	0.01498	0.02926
2268_RPA2279_CDS;__2	0.03586	-0.16660	-0.09743	0.04073
2269_RPA2280_CDS;__2	-0.07707	0.06896	0.09328	0.11159
2270_RPA2281_CDS;__2	-0.28626	-0.01793	0.11425	0.03121
2271_RPA2282_CDS;__2	0.26209	0.20019	-0.14635	-0.01433
2272_RPA2283_CDS;__2	0.32434	0.09162	-0.10493	0.02947
2273_RPA2284_CDS;__2	-0.18621	0.05000	0.12173	0.04881
2274_RPA2285_prfC;__	-0.25429	0.05668	-0.01924	0.03407
2275_RPA2286_CDS;__2	0.69845	0.02978	-0.06170	0.07547
2276_RPA2287_CDS;__2	1.21002	0.26122	-0.15986	0.04475
2277_RPA2288_CDS;__2	0.00886	0.04548	0.16491	-0.01694
2278_RPA2289_CDS;__2	-0.17058	0.05499	0.01564	0.02780
2279_RPA2290_CDS;__2	-0.07362	0.04343	0.07807	-0.11044
2280_RPA2291_CDS;__2	-0.11031	-0.09373	0.03226	0.02966
2281_RPA2292_CDS;__2	-0.13095	0.07344	0.07715	0.01991
2282_RPA2293_CDS;__2	-0.02180	0.07162	0.07743	0.01855
2283_RPA2294_CDS;__2	0.17874	-0.00500	-0.00603	0.09968
2284_RPA2295_CDS;__2	0.18033	-0.06033	0.10304	-0.20673

2285_RPA2296_CDS;__2	-0.07294	0.07638	-0.03433	0.01579
2286_RPA2297_CDS;__2	-0.13791	0.10221	-0.14590	-0.04945
2287_RPA2298_CDS;__2	0.03565	-0.03684	0.03202	-0.08143
2288_RPA2299_CDS;__2	-0.04986	0.00166	0.24405	0.02731
2289_RPA2300_CDS;__2	0.03307	-0.02608	0.07470	-0.15782
2290_RPA2301_CDS;__2	-0.13074	0.02844	0.12769	0.05902
2291_RPA2302_CDS;__2	-0.14359	0.10588	-0.07609	-0.00532
2292_RPA2303_CDS;__2	-0.13070	0.04501	0.08618	0.02894
2293_RPA2304_CDS;__2	-0.23825	-0.04176	-0.04476	0.02744
2294_RPA2305_CDS;__2	-0.24757	0.05597	-0.00185	0.04027
2295_RPA2306_CDS;__2	0.19564	0.07102	0.13603	0.10155
2296_RPA2307_CDS;__2	-0.02870	0.06908	0.03179	-0.01055
2297_RPA2308_CDS;__2	0.22983	-0.33383	-0.03849	0.08665
2298_RPA2309_CDS;__2	0.16522	-0.36417	0.02174	-0.05857
2299_RPA2310_CDS;__2	0.01099	-0.10496	-0.04951	-0.01055
2300_RPA2311_CDS;__2	0.04263	-0.02781	0.06569	0.01632
2301_RPA2312_CDS;__2	-0.09366	-0.10420	-0.16006	0.04598
2302_RPA2313_CDS;__2	0.05542	-0.49509	-0.09331	0.03542
2303_RPA2314_CDS;__2	-0.00478	0.23749	-0.20292	0.30892
2304_RPA2315_CDS;__2	-0.09369	0.02007	0.18009	0.02287
2305_RPA2316_CDS;__2	-0.22237	0.04256	0.02617	0.05298
2306_RPA2317_gctB;__	-0.18037	0.06775	0.05720	-0.01217
2307_RPA2318_gctA;__	-0.00439	0.08813	0.11639	0.06732
2308_RPA2319_CDS;__2	-0.10721	0.09756	-0.08670	0.00541
2309_RPA2320_CDS;__2	-0.05457	0.05063	0.11442	0.00801
2310_RPA2321_CDS;__2	0.32029	-0.01918	0.13089	0.10079
2311_RPA2322_CDS;__2	0.04237	0.06612	0.00807	-0.13073
2312_RPA2323_goaT;__	0.02357	-0.03094	0.07796	-0.24261
2313_RPA2324_gabD;__	-0.17752	-0.03586	-0.09566	-0.09555
2314_RPA2325_CDS;__2	-0.05906	-0.00530	0.02026	-0.05130
2315_RPA2326_CDS;__2	-0.14204	0.01619	0.06613	-0.00781
2316_RPA2327_CDS;__2	-0.14473	0.05385	-0.00813	0.04510
2317_RPA2328_CDS;__2	-0.11990	0.02990	0.04659	-0.07118
2318_RPA2329_CDS;__2	-0.09875	-0.16884	0.07587	0.03420
2319_RPA2330_CDS;__2	-0.09638	-0.22886	-0.02834	-0.02108
2320_RPA2331_ggtA;__	-0.09690	-0.00851	-0.02861	0.00056
2321_RPA2332_CDS;__2	0.15426	0.02324	0.07243	-0.05191
2322_RPA2333_ctpC;__	-0.02298	0.09429	0.01386	-0.00632
2323_RPA2334_CDS;__2	0.09242	0.08720	-0.02102	-0.24990
2324_RPA2335_CDS;__2	0.13390	0.09664	-0.22980	0.01237
2325_RPA2336_CDS;__2	0.43349	0.21624	-0.12276	0.23430
2326_RPA2337_CDS;__2	-0.02714	0.13623	-0.02849	0.20074
2327_RPA2338_CDS;__2	0.42857	-0.45175	-0.01682	0.14828
2328_RPA2339_CDS;__2	0.24705	-0.46976	-0.06957	0.09743
2329_RPA2340_CDS;__2	0.22523	0.07988	-0.19665	0.13319
2330_RPA2341_ilvD;__	0.15419	-0.00186	-0.10045	0.09395
2331_RPA2342_CDS;__2	0.13436	-0.05183	-0.08768	0.16392
2332_RPA2343_CDS;__2	0.49163	0.19507	-0.04702	0.22434
2333_RPA2344_CDS;__2	-0.02965	0.08867	0.03142	0.11444
2334_RPA2345_CDS;__2	-0.11340	-0.00743	0.01074	0.02563
2335_RPA2346_CDS;__2	0.04566	0.07664	0.05996	-0.07714
2336_RPA2347_CDS;__2	-0.16425	0.07596	-0.02871	-0.03010
2337_RPA2348_CDS;__2	-0.14681	0.08554	0.00318	-0.01411
2338_RPA2349_metY;__	-0.01093	-0.00515	0.00463	0.04871
2339_RPA2350_metC;__	0.04353	-0.05800	0.06581	-0.07782
2340_RPA2351_CDS;__2	0.13013	0.08183	0.01124	0.04322
2341_RPA2352_CDS;__2	0.03495	-0.02179	-0.04295	-0.05328

2342_RPA2353_nifH;_2	-0.08578	0.10737	-0.04792	-0.02561
2343_RPA2354_nifB;_2	0.11629	0.04277	-0.01538	-0.06290
2344_RPA2355_CDS;_2	0.10942	-0.04763	0.00199	-0.11600
2345_RPA2356_CDS;_2	-0.01149	0.05342	0.08838	0.06434
2346_RPA2357_CDS;_2	-0.09112	-0.03339	0.11569	-0.16439
2347_RPA2358_CDS;_2	0.07966	0.01062	-0.05537	0.00319
2348_RPA2359_CDS;_2	0.11132	-0.09468	-0.01492	0.00663
2349_RPA2360_CDS;_2	0.10015	0.04292	0.09544	0.04001
2350_RPA2361_CDS;_2	-0.05031	-0.00618	-0.03924	0.03067
2351_RPA2362_CDS;_2	-0.14590	-0.06690	0.12069	-0.10567
2352_RPA2363_NifD;_2	-0.05978	-0.08269	0.06987	0.05866
2353_RPA2364_CDS;_2	-0.04978	0.05779	0.11164	-0.07184
2354_RPA2365_CDS;_2	0.11178	0.04596	0.16185	0.01204
2355_RPA2366_CDS;_2	0.58514	0.05095	0.16065	-0.13087
2356_RPA2367_CDS;_2	0.25807	0.15119	-0.07841	0.05234
2357_RPA2368_CDS;_2	0.42318	0.08091	0.25716	0.30022
2358_RPA2369_CDS;_2	0.49148	0.11734	-0.33908	-0.12692
2359_RPA4839_CDS;_2	0.72850	0.05607	-0.16452	-0.05762
2360_RPA2370_CDS;_2	0.39478	0.23696	-0.24651	0.22076
2361_RPA2371_mexA;_2	0.06327	0.06952	0.07643	0.06470
2362_RPA2372_mexB;_2	0.00206	-0.22839	0.01104	0.03872
2363_RPA2373_CDS;_2	0.28118	-0.12874	0.11160	0.00599
2364_RPA2374_CDS;_2	0.25226	-0.00790	0.11451	-0.03180
2365_RPA2375_CDS;_2	0.18408	-0.12544	0.07802	-0.08363
2366_RPA2377_CDS;_2	0.71717	0.20343	0.01633	0.19630
2367_RPA2378_CDS;_2	0.04479	0.01939	0.00617	0.01360
2368_RPA2379_CDS;_2	0.08481	0.13507	-0.06781	-0.08610
2369_RPA2380_CDS;_2	0.26278	-0.10616	-0.09141	0.03708
2370_RPA2381_CDS;_2	0.11535	0.03105	-0.10987	0.03782
2371_RPA2382_CDS;_2	0.21264	-0.47587	-0.00718	0.10073
2372_RPA2383_CDS;_2	-0.01768	0.07779	0.00234	0.03740
2373_RPA2384_CDS;_2	0.01972	0.07383	0.04255	-0.12450
2374_RPA2385_CDS;_2	0.20579	0.08119	-0.14203	0.10403
2375_RPA2386_CDS;_2	0.31760	0.07393	-0.11751	0.07790
2376_RPA2387_CDS;_2	0.20353	-0.07936	0.04978	-0.09467
2377_RPA2388_CDS;_2	0.18854	-0.05947	0.04815	0.05997
2378_RPA2389_CDS;_2	0.21460	0.09592	0.06231	-0.05854
2379_RPA2390_CDS;_2	0.30935	0.07649	0.01785	0.12720
2380_RPA2391_CDS;_2	0.27280	-0.08951	0.01244	-0.06991
2381_RPA2394_prpC;_2	0.00951	0.08646	-0.07053	-0.00781
2382_RPA2395_prpB;_2	-0.01678	0.03201	0.06334	0.02284
2383_RPA2396_CDS;_2	0.18892	-0.03639	0.05414	-0.11922
2384_RPA2397_metE;_2	0.14198	0.08364	0.01999	-0.08560
2385_RPA2398_CDS;_2	0.38028	-0.01506	-0.12682	-0.05465
2386_RPA2399_CDS;_2	0.25109	0.09287	0.05664	-0.02842
2387_RPA2400_CDS;_2	0.29450	-0.03436	0.15919	-0.08787
2388_RPA2401_CDS;_2	0.26861	-0.10307	0.46969	-0.22808
2389_RPA2402_CDS;_2	0.59475	0.14456	0.07016	0.26196
2390_RPA2403_CDS;_2	0.02869	-0.06934	-0.07958	0.03845
2391_RPA2404_CDS;_2	0.02939	-0.07505	-0.01581	-0.03284
2392_RPA2405_draT;_2	-0.06801	-0.11251	0.13768	0.04167
2393_RPA2406_draG;_2	-0.04925	-0.06871	-0.03395	-0.02571
2394_RPA2407_CDS;_2	0.33803	0.01465	0.05452	-0.05116
2395_RPA2408_amiC;_2	-0.02147	-0.03187	-0.01086	0.00068
2396_RPA2409_CDS;_2	0.03049	0.05553	0.16743	-0.20384
2397_RPA2410_CDS;_2	-0.11417	-0.08232	-0.00225	0.07256
2398_RPA2411_CDS;_2	-0.00640	-0.12888	0.04921	-0.02365

2399_RPA2412_CDS;__2	-0.01622	-0.53727	-0.01320	0.07127
2400_RPA2413_CDS;__2	-0.11084	-0.00419	0.18111	0.05292
2401_RPA2414_CDS;__2	-0.16815	0.02757	0.10254	0.03558
2402_RPA2415_CDS;__2	-0.15093	0.04196	-0.03465	-0.07631
2403_RPA2416_CDS;__2	-0.01006	-0.05590	0.12147	0.06625
2404_RPA2417_CDS;__2	-0.06634	0.05294	0.07597	-0.10785
2405_RPA2419_CDS;__2	-0.17615	0.13956	-0.34639	-0.19730
2406_RPA2420_CDS;__2	0.03251	0.09924	-0.00720	0.03215
2407_RPA2421_CDS;__2	-0.13278	-0.02494	0.00340	0.01413
2408_RPA2422_CDS;__2	0.02752	0.06419	0.02866	0.03632
2409_RPA2423_CDS;__2	0.07242	-0.16743	0.14451	0.03241
2410_RPA2424_CDS;__2	-0.00766	0.08827	0.00202	0.05277
2411_RPA2425_CDS;__2	-0.11318	0.06336	0.05935	-0.04386
2412_RPA2426_CDS;__2	0.01486	-0.21314	-0.02060	-0.01925
2413_RPA2427_CDS;__2	0.13515	0.00369	-0.02675	0.10497
2414_RPA2428_CDS;__2	0.62548	0.20706	-0.29920	0.18648
2415_RPA2429_aat;__2	-0.21174	0.07580	-0.00564	0.07576
2416_RPA2430_CDS;__2	-0.02481	0.10237	-0.03487	0.05007
2417_RPA2431_CDS;__2	0.01061	-0.44875	-0.13892	0.06953
2418_RPA2432_CDS;__2	-0.15297	0.05751	0.02072	0.04287
2419_RPA2433_CDS;__2	0.03992	-0.18453	-0.01975	-0.20042
2420_RPA2434_CDS;__2	-0.04235	0.01869	-0.01112	0.11847
2421_RPA2435_accC;__2	-0.19637	0.06204	0.02128	0.08203
2422_RPA2436_accB;__2	-0.12685	-0.02228	-0.01417	-0.03875
2423_RPA2437_aroQ2;__2	-0.08464	0.15755	-0.30370	-0.16225
2424_RPA2438_CDS;__2	-0.05505	0.00734	-0.00540	-0.09205
2425_RPA2439_CDS;__2	0.08406	-0.10059	-0.21651	0.04951
2426_RPA2440_CDS;__2	0.16367	0.08655	-0.04972	-0.01809
2427_RPA2441_CDS;__2	0.24323	0.15529	-0.04321	0.16486
2428_RPA2442_CDS;__2	-0.18753	0.05830	0.00547	0.02016
2429_RPA2443_CDS;__2	-0.15109	0.10148	-0.09630	0.04059
2430_RPA2444_CDS;__2	0.08674	0.04854	0.08137	-0.22132
2431_RPA2445_CDS;__2	-0.13482	0.06407	0.01475	0.04158
2432_RPA2446_CDS;__2	0.00618	-0.12187	-0.01861	-0.04024
2433_RPA2447_CDS;__2	-0.03249	0.11061	-0.10545	0.06531
2434_RPA2448_dctA;__2	-0.22115	-0.21259	-0.12017	0.01122
2435_RPA2449_CDS;__2	0.26113	0.12255	0.01534	0.01411
2436_RPA2450_rne;__2	-0.20417	0.09534	-0.08086	0.00914
2437_RPA2451_amiC;__2	0.11580	0.00344	-0.11479	0.10364
2438_RPA2452_CDS;__2	-0.25440	0.05408	-0.06141	0.00876
2439_RPA2453_prfB;__2	-0.16275	-0.42830	-0.34049	0.03176
2440_RPA2454_CDS;__2	0.05545	-0.22793	0.10090	-0.16610
2441_RPA2455_CDS;__2	-0.17726	0.08840	-0.03526	0.02996
2442_RPA2456_CDS;__2	0.13632	0.14964	-0.13247	0.07433
2443_RPA2457_CDS;__2	-0.09101	0.06866	0.02858	-0.00507
2444_RPA2458_CDS;__2	-0.15172	-0.01813	-0.01895	0.03751
2445_RPA2459_CDS;__2	-0.12663	-0.07943	0.01028	0.02207
2446_RPA2460_tyrs;__2	-0.19420	0.06452	-0.04787	-0.07038
2447_RPA2461_CDS;__2	-0.06795	0.02419	0.14646	-0.03714
2448_RPA2462_CDS;__2	-0.18776	0.07413	-0.03954	0.06617
2449_RPA2463_nifS;__2	0.32202	-0.08546	0.05226	0.02180
2450_RPA2464_sufB;__2	-0.21214	-0.01846	-0.04967	0.03865
2451_RPA2465_sufC;__2	-0.20952	0.06878	-0.01223	-0.04217
2452_RPA2466_sufD;__2	-0.10340	0.07390	-0.02969	-0.01832
2453_RPA2467_sufS;__2	-0.01271	0.05920	0.10717	-0.24430
2454_RPA2468_CDS;__2	-0.03595	-0.55683	0.09968	0.09689
2455_RPA2469_CDS;__2	0.29213	-0.53213	0.19135	-0.64587

2456_RPA2470_CDS;__2	0.07527	-0.04053	-0.18095	0.08862
2457_RPA2471_CDS;__2	-0.12497	0.03303	0.06942	-0.02406
2458_RPA2472_CDS;__2	0.03349	0.09335	0.05830	-0.02244
2459_RPA2473_CDS;__2	0.01579	0.06213	-0.16934	-0.10988
2460_RPA2474_CDS;__2	0.03012	-0.08801	0.11880	-0.10296
2461_RPA2475_CDS;__2	0.08080	-0.03042	0.08228	-0.05875
2462_RPA2476_CDS;__2	-0.22031	0.05354	0.07406	0.05620
2463_RPA2477_CDS;__2	-0.13895	0.12373	-0.10549	0.05316
2464_RPA2478_CDS;__2	0.14487	-0.08427	0.02506	0.00940
2465_RPA2479_CDS;__2	0.14411	-0.46825	-0.15588	-0.03492
2466_RPA2480_CDS;__2	-0.07337	-0.17066	0.00494	0.01597
2467_RPA2481_CDS;__2	-0.02485	0.06571	0.05745	-0.07624
2468_RPA2482_CDS;__2	-0.02901	0.02347	0.12614	-0.08275
2469_RPA2483_CDS;__2	0.37574	-0.00814	-0.14512	0.12135
2470_RPA2484_CDS;__2	0.01513	0.09817	0.02969	0.07026
2471_RPA2485_aqpZ;__2	0.17329	0.19900	-0.05800	0.12004
2472_RPA2486_parE;__2	-0.22369	0.08442	-0.07523	0.02766
2473_RPA2487_CDS;__2	-0.08014	-0.09313	0.18670	0.07335
2474_RPA2488_CDS;__2	-0.20021	-0.00390	-0.03645	0.05720
2475_RPA2489_CDS;__2	-0.16728	0.08153	-0.00690	0.04018
2476_RPA2490_CDS;__2	-0.10234	0.01943	0.16257	0.07389
2477_RPA2491_argC;__2	-0.24891	0.03457	0.04439	0.02294
2478_RPA2492_CDS;__2	-0.10658	0.04158	0.06953	0.02614
2479_RPA2493_CDS;__2	-0.05188	-0.01491	0.05849	-0.09819
2480_RPA2494_CDS;__2	0.03751	-0.00177	0.01357	0.01939
2481_RPA2495_CDS;__2	0.13837	0.13226	-0.16247	0.00648
2482_RPA2496_CDS;__2	0.19325	0.07741	0.10800	0.10399
2483_RPA2497_CDS;__2	0.05605	0.08283	0.10141	-0.06282
2484_RPA2498_CDS;__2	-0.03112	-0.01997	-0.00580	0.02656
2485_RPA2499_CDS;__2	0.05502	0.14743	-0.11185	0.01365
2486_RPA2500_CDS;__2	0.07427	-0.08630	0.12891	-0.08504
2487_RPA2501_phbC;__2	-0.18275	0.10589	-0.08633	0.07300
2488_RPA2502_CDS;__2	0.10290	0.16561	-0.00173	0.27285
2489_RPA2503_CDS;__2	-0.24917	0.08824	-0.08000	0.03792
2490_RPA2504_HDH;__2	-0.15981	-0.05893	-0.05978	-0.10085
2491_RPA2505_glpX;__2	-0.29944	0.11103	-0.22398	-0.04527
2492_RPA2506_CDS;__2	0.02590	0.12102	-0.09716	0.00035
2493_RPA2507_CDS;__2	-0.06057	0.03118	0.08043	-0.01461
2494_RPA2508_recJ;__2	-0.04429	0.05556	0.05390	0.06153
2495_RPA2509_CDS;__2	-0.17202	0.19135	-0.21668	0.22301
2496_RPA2510_CDS;__2	-0.04608	-0.12817	0.23734	0.10995
2497_RPA2511_CDS;__2	-0.05238	0.06463	0.07040	0.06709
2498_RPA2512_CDS;__2	-0.09490	-0.02789	0.09885	-0.14773
2499_RPA2513_efp;__2	-0.04809	0.11029	-0.23009	0.00880
2500_RPA2514_CDS;__2	0.08746	-0.14859	0.16570	-0.03919
2501_RPA2515_kamA;__2	-0.08531	0.00679	0.08314	-0.00798
2502_RPA2516_CDS;__2	0.23141	0.06837	0.21648	-0.00763
2503_RPA2517_CDS;__2	-0.08218	-0.01925	0.03933	-0.13730
2504_RPA2518_CDS;__2	0.56024	0.07397	0.26834	0.12164
2505_RPA2519_CDS;__2	0.60230	0.16059	0.19891	0.32149
2506_RPA2520_CDS;__2	0.82387	-0.37323	-0.06623	0.19218
2507_RPA2521_CDS;__2	0.60773	-0.04451	0.56900	-1.41436
2508_RPA2522_CDS;__2	0.40865	0.06906	0.08628	-0.14050
2509_RPA2523_CDS;__2	-0.19526	0.05861	0.00389	0.01562
2510_RPA2524_CDS;__2	0.11031	0.12222	-0.08335	0.02283
2511_RPA2525_CDS;__2	0.02589	0.05943	0.07145	0.10927
2512_RPA2526_CDS;__2	-0.22563	0.03525	0.03226	0.00009

2513_RPA2527_CDS;__2	0.31652	0.02321	-0.15013	-0.12173
2514_RPA2528_CDS;__2	0.56404	0.07902	-0.10366	-0.01997
2515_RPA2529_CDS;__2	0.49104	-0.10072	-0.18505	0.06995
2516_RPA2530_CDS;__2	0.72374	-0.09358	-0.04809	-0.28674
2517_RPA2531_CDS;__2	0.45034	0.00764	-0.09721	0.23157
2518_RPA2532_CDS;__2	0.69067	-0.04511	-0.20788	0.04732
2519_RPA2533_CDS;__2	0.81060	-0.28044	-0.21482	0.12688
2520_RPA2534_CDS;__2	0.53487	-0.09159	-0.17831	-0.17555
2521_RPA2535_waaG;__2	-0.05045	-0.07079	0.16189	0.00151
2522_RPA2536_CDS;__2	-0.17549	0.05275	0.02837	0.05221
2523_RPA2537_CDS;__2	-0.19089	0.06105	0.02113	0.08711
2524_RPA2538_CDS;__2	-0.13276	0.04214	0.05121	0.05012
2525_RPA2539_CDS;__2	-0.12288	-0.06630	0.03201	0.01937
2526_RPA2540_hmgL;__2	-0.18526	0.06527	-0.02217	0.02417
2527_RPA2541_CDS;__2	-0.17794	-0.08735	-0.12216	0.09939
2528_RPA2542_CDS;__2	-0.20997	0.03761	0.14125	0.08687
2529_RPA2543_CDS;__2	-0.19281	0.06865	-0.00342	0.09270
2530_RPA2544_CDS;__2	0.10708	0.15750	-0.52325	-0.19418
2531_RPA2545_CDS;__2	-0.07880	-0.05806	0.03643	0.06082
2532_RPA2546_CDS;__2	-0.08226	0.18005	-0.32430	-0.07564
2533_RPA2547_CDS;__2	-0.13452	0.07858	0.08746	0.09991
2534_RPA2548_CDS;__2	-0.13535	0.02770	0.14426	0.07983
2535_RPA2549_CDS;__2	-0.24813	-0.18530	0.07122	0.04003
2536_RPA2550_CDS;__2	0.01428	-0.02584	0.12830	0.11417
2537_RPA2551_CDS;__2	-0.12111	-0.17348	0.15522	0.12487
2538_RPA2552_CDS;__2	0.62974	0.17437	0.00994	-0.09903
2539_RPA2553_CDS;__2	-0.18820	-0.08810	-0.01994	-0.00878
2540_RPA2554_CDS;__2	0.03644	0.05130	0.09916	-0.00990
2541_RPA2555_CDS;__2	-0.10685	-0.10722	0.06737	0.02582
2542_RPA2556_CDS;__2	-0.02615	-0.03265	0.06525	0.06411
2543_RPA2557_CDS;__2	-0.02418	0.11191	-0.09970	0.08167
2544_RPA2558_CDS;__2	-0.24534	-0.03194	-0.05670	-0.05129
2545_RPA2559_metC;__2	-0.12432	-0.19166	0.01554	0.01327
2546_RPA2560_aapJ-1;	-0.16685	0.09220	-0.16145	-0.06178
2547_RPA2561_aapQ-1;	-0.08204	-0.05332	0.09402	0.02256
2548_RPA2562_aapM-1;	-0.13239	-0.00642	0.17557	-0.05948
2549_RPA2563_aapP-1;	-0.23681	0.03717	0.05249	0.04120
2550_RPA2564_CDS;__2	0.35174	0.10246	0.03939	0.24262
2551_RPA2565_CDS;__2	-0.35623	0.06222	0.07855	0.10384
2552_RPA2566_CDS;__2	0.66247	-0.25771	-0.10120	-0.09550
2553_RPA2567_CDS;__2	0.80680	0.00157	-0.08643	0.02166
2554_RPA2568_CDS;__2	-0.15057	0.08160	-0.06977	-0.04138
2555_RPA2569_cfa;__2	-0.07225	0.06825	0.03272	0.10812
2556_RPA2570_CDS;__2	0.02133	0.07787	-0.02362	0.02812
2557_RPA2571_CDS;__2	-0.05512	0.07554	0.02009	-0.07717
2558_RPA2572_CDS;__2	-0.05226	0.04957	0.09386	-0.03068
2559_RPA2573_CDS;__2	-0.00639	-0.04018	0.10457	-0.12564
2560_RPA2574_CDS;__2	-0.12681	-0.25638	0.01407	0.01558
2561_RPA2575_CDS;__2	-0.18830	-0.00535	0.15837	0.03921
2562_RPA2576_CDS;__2	-0.18830	-0.20104	0.07740	-0.04374
2563_RPA2577_CDS;__2	-0.05323	0.01239	0.17377	-0.03697
2564_RPA2578_CDS;__2	0.13073	-0.49758	-0.04349	0.06971
2565_RPA2579_CDS;__2	0.28199	-0.18469	-0.03252	0.03891
2566_RPA2580_CDS;__2	0.02816	0.07667	-0.06599	-0.01677
2567_RPA2581_CDS;__2	0.10772	-0.44515	-0.25500	-0.06162
2568_RPA2582_CDS;__2	0.01052	0.00777	-0.01527	-0.24461
2569_RPA2583_vals;__2	-0.20541	-0.03347	-0.05943	-0.01141

2570_RPA2584_CDS;__2	-0.04702	-0.18398	-0.09120	0.04089
2571_RPA2585_CDS;__2	-0.05635	-0.48737	-0.14881	-0.02265
2572_RPA2586_3mg;__2	-0.04631	0.11559	0.01612	0.00824
2573_RPA2587_lipA;__	-0.20272	0.02479	0.07665	0.05415
2574_RPA2588_CDS;__2	-0.20320	0.07405	0.10813	-0.04149
2575_RPA2589_cinA;__	-0.12355	0.06746	0.00421	0.01811
2576_RPA2590_ispD;__	-0.11298	-0.17168	-0.14776	0.00487
2577_RPA2591_nifR3;__	-0.02242	0.05756	-0.02272	-0.01405
2578_RPA2592_ntrB;__	-0.00425	-0.27037	-0.14308	0.10373
2579_RPA2593_ntrC;__	-0.13942	-0.01349	-0.03733	-0.05481
2580_RPA2594_ntrY;__	-0.11028	0.06386	-0.00368	-0.03208
2581_RPA2595_ntrX;__	-0.17446	0.07335	-0.09959	-0.03011
2582_RPA2596_CDS;__2	0.06797	0.07738	0.08046	0.14337
2583_RPA2597_CDS;__2	0.28066	0.07689	0.01573	-0.03725
2584_RPA2598_CDS;__2	-0.20389	0.04514	0.02509	0.01337
2585_RPA2599_gyrA;__	-0.16656	-0.06647	-0.11734	-0.00566
2586_RPA2600_CDS;__2	0.61767	-0.25813	-0.06237	-0.20528
2587_RPA2601_kdtB;__	0.01612	0.13874	-0.11891	0.10012
2588_RPA2602_CDS;__2	-0.22995	0.00563	-0.10747	-0.00652
2589_RPA2603_CDS;__2	0.45622	0.16620	0.08774	0.03656
2590_RPA2604_CDS;__2	-0.32524	0.12476	-0.15795	0.04506
2591_RPA2605_queA;__	-0.09198	-0.13556	0.04180	0.06243
2592_RPA2606_tgt;__2	-0.14745	0.04582	-0.00756	-0.00888
2593_RPA2607_CDS;__2	0.08066	-0.00279	0.02366	0.04923
2594_RPA2608_CDS;__2	0.06189	0.09815	-0.22191	0.07983
2595_RPA2609_CDS;__2	0.19357	-0.02913	-0.12759	-0.07953
2596_RPA2610_ssuB;__	0.13750	0.12657	-0.03647	0.08180
2597_RPA2611_CDS;__2	-0.01003	0.14742	-0.06101	0.09036
2598_RPA2612_msuD;__	0.00191	0.06971	0.07358	-0.05288
2599_RPA2613_CDS;__2	0.15503	0.02067	0.01416	0.01923
2600_RPA2614_CDS;__2	0.13314	-0.04634	0.00407	-0.08957
2601_RPA2615_nifH;__	0.05052	-0.10280	0.07398	0.01301
2602_RPA2616_CDS;__2	0.33841	0.07981	0.21352	-0.27006
2603_RPA2617_CDS;__2	0.19021	0.06854	0.13394	-0.01019
2604_RPA2618_CDS;__2	0.17527	0.05078	-0.09369	0.06375
2605_RPA2619_CDS;__2	0.27410	-0.02610	0.04298	-0.08991
2606_RPA2620_CDS;__2	-0.08610	0.10592	0.00211	0.06805
2607_RPA2621_CDS;__2	0.29524	-0.19136	0.02512	-0.12165
2608_RPA2622_CDS;__2	0.19111	0.15478	-0.10056	0.05659
2609_RPA2623_CDS;__2	0.07603	0.00593	-0.03677	-0.09069
2610_RPA2624_CDS;__2	0.07381	0.02638	-0.06606	-0.03103
2611_RPA2625_CDS;__2	0.24755	0.01023	-0.02723	0.05671
2612_RPA2626_CDS;__2	0.12628	0.03836	-0.02528	0.13098
2613_RPA2627_CDS;__2	0.01627	-0.00748	-0.06991	-0.02941
2614_RPA2628_aapJ-2;	0.03418	-0.00508	0.02908	0.03546
2615_RPA2629_aapQ-2;	0.14773	0.05854	0.12353	0.06219
2616_RPA2630_aapM-2;	0.08336	-0.14760	0.10774	-0.00678
2617_RPA2631_CDS;__2	0.19745	0.10866	-0.15543	-0.24015
2618_RPA2632_CDS;__2	0.37134	0.11706	0.01613	-0.04921
2619_RPA2633_CDS;__2	0.43171	-0.38777	-0.16783	0.19515
2620_RPA2634_nifB;__	0.31015	-0.12124	0.09838	-0.13569
2621_RPA2635_nifH;__	0.05478	0.04997	0.04210	-0.06319
2622_RPA2636_NifD;__	0.09867	-0.00729	0.07808	0.04789
2623_RPA2637_CDS;__3	0.35298	-0.18491	0.00982	-0.08906
2624_RPA2638_CDS;__3	0.03878	0.07503	0.06561	0.01424
2625_RPA2639_CDS;__3	0.13728	-0.12064	0.00327	-0.13965
2626_RPA2640_CDS;__3	0.11648	0.06805	-0.03353	-0.05818

2627_RPA2641_CDS;__3	0.14128	0.04181	-0.08238	0.00921
2628_RPA2642_CDS;__3	0.37651	-0.25758	-0.05250	-0.19595
2629_RPA2643_CDS;__3	-0.03313	0.08098	-0.01572	0.04108
2630_RPA2644_CDS;__3	0.17291	0.01444	0.08077	-0.07205
2631_RPA2645_CDS;__3	-0.08543	-0.03927	-0.05627	-0.07638
2632_RPA2646_CDS;__3	-0.14319	0.02511	-0.12475	0.02739
2633_RPA2647_CDS;__3	0.20222	0.13986	-0.19615	-0.05317
2634_RPA2648_CDS;__3	0.18216	0.09718	-0.01937	-0.11113
2635_RPA2649_CDS;__3	0.19635	0.09946	-0.09219	0.01634
2636_RPA2650_CDS;__3	-0.05684	0.05149	0.05666	0.04662
2637_RPA2651_CDS;__3	0.00391	-0.08529	0.12394	0.00450
2638_RPA2652_CDS;__3	-0.23230	-0.03890	-0.08108	-0.00595
2639_RPA2653_pucAa;__	-0.04376	0.10455	-0.56431	-0.46297
2640_RPA2654_pucBa;__	-0.16370	0.07486	-0.29870	0.02276
2641_RPA2655_CDS;__3	-0.14934	0.08147	-0.03074	0.05380
2642_RPA2656_CDS;__3	0.22277	0.02406	-0.08763	0.03413
2643_RPA2657_CDS;__3	-0.09097	0.03441	0.02365	-0.01874
2644_RPA2658_CDS;__3	0.13164	0.05030	0.11275	0.10611
2645_RPA2659_glmU;__	-0.05898	0.10297	-0.07462	0.02468
2646_RPA2660_glmS;__	-0.10190	-0.13442	-0.02978	0.03908
2647_RPA2661_CDS;__3	0.03727	0.07630	-0.00321	-0.05902
2648_RPA2662_recG;__	-0.05862	0.05144	0.11166	0.09258
2649_RPA2663_Mfd;__3	-0.18940	0.05546	0.00426	0.00161
2650_RPA2664_CDS;__3	0.01812	-0.00883	0.09376	-0.06485
2651_RPA2665_CDS;__3	0.06075	-0.10824	-0.04419	0.01033
2652_RPA2666_CDS;__3	-0.05321	0.07858	0.04105	-0.03730
2653_RPA2667_CDS;__3	-0.07586	0.10448	-0.02730	-0.09926
2654_RPA2668_CDS;__3	0.31644	0.17094	-0.00634	0.08533
2655_RPA2669_CDS;__3	-0.11415	-0.03601	0.05623	0.11506
2656_RPA2670_CDS;__3	0.09684	-0.27162	0.14359	0.16817
2657_RPA2671_CDS;__3	-0.03882	0.07861	0.03519	0.02232
2658_RPA2672_CDS;__3	0.16434	0.05644	0.17815	-0.34343
2659_RPA2673_CDS;__3	-0.13192	0.02448	-0.05068	-0.00747
2660_RPA2674_CDS;__3	-0.16105	0.01541	0.05091	0.00450
2661_RPA2675_CDS;__3	-0.14518	0.05921	0.06770	-0.04966
2662_RPA2676_CDS;__3	0.11480	0.07914	0.12384	0.02551
2663_RPA2677_CDS;__3	-0.04965	0.08936	0.03721	0.09380
2664_RPA2678_CDS;__3	0.16781	0.09658	0.10308	0.00445
2665_RPA2679_CDS;__3	0.06412	0.06615	0.11600	0.01587
2666_RPA2680_CDS;__3	0.07753	0.05547	0.12442	0.02640
2667_RPA2681_CDS;__3	-0.17778	0.07071	-0.07102	-0.02806
2668_RPA2682_uahA;__	0.07792	0.01199	-0.00667	-0.17322
2669_RPA2683_dur1;__	0.35175	-0.41033	-0.10162	0.16837
2670_RPA2684_CDS;__3	-0.14596	-0.11090	-0.01239	0.03200
2671_RPA2685_CDS;__3	-0.02770	-0.04760	0.12514	-0.16759
2672_RPA2686_dapA;__	-0.13516	-0.13762	-0.05999	-0.01303
2673_RPA2687_mscL;__	-0.05305	-0.01276	-0.02963	-0.01912
2674_RPA2688_SmpB;__	-0.23781	-0.00053	-0.04918	0.03863
2675_RPA2689_CDS;__3	0.07643	-0.28443	0.20750	0.00568
2676_RPA2690_CDS;__3	-0.08992	0.07196	0.03014	0.06267
2677_RPA2691_CDS;__3	-0.10927	0.06227	-0.22205	-0.12453
2678_RPA2692_rnpO;__	-0.08801	0.07206	-0.10939	-0.02871
2679_RPA2693_relA;__	-0.19126	0.07535	-0.05442	-0.04007
2680_RPA2694_pdxJ;__	0.03195	-0.18425	-0.18410	0.03760
2681_RPA2695_acpS;__	-0.13145	0.04000	0.03883	0.07246
2682_RPA2696_lepB;__	-0.23249	0.10058	-0.10933	0.06365
2683_RPA2697_CDS;__3	-0.04577	0.07663	0.00823	-0.23111

2684_RPA2698_era;__3	-0.18572	0.03407	0.04463	0.03319
2685_RPA2699_CDS;__3	-0.19191	0.08650	-0.03564	0.09530
2686_RPA2700_CDS;__3	-0.02081	-0.51189	-0.00166	0.02833
2687_RPA2701_CDS;__3	-0.05037	0.04500	-0.13326	-0.00433
2688_RPA2702_CDS;__3	0.29526	0.07766	0.14428	0.15632
2689_RPA2703_parC;__3	-0.22596	0.06776	-0.00430	0.06085
2690_RPA2704_CDS;__3	-0.16785	0.01029	0.08730	0.01301
2691_RPA2705_CDS;__3	0.34748	0.04124	0.24702	-0.03118
2692_RPA2706_CDS;__3	-0.05375	0.03903	0.08409	-0.01027
2693_RPA2707_CDS;__3	0.43575	0.15938	0.00380	-0.01430
2694_RPA2708_CDS;__3	0.48836	0.09746	0.03800	-0.09634
2695_RPA4838_CDS;__3	0.41215	0.10982	0.12695	0.22321
2696_RPA2709_CDS;__3	0.42500	0.09098	0.15899	-0.06720
2697_RPA2710_CDS;__3	-0.21967	0.07116	-0.04537	0.01680
2698_RPA2711_CDS;__3	-0.01292	-0.21978	0.00290	-0.00704
2699_RPA2712_hemB;__3	-0.28862	0.08735	-0.13393	-0.06050
2700_RPA2713_CDS;__3	-0.01825	-0.02767	0.11549	0.14842
2701_RPA2714_CDS;__3	-0.21635	0.05681	-0.01188	0.02189
2702_RPA2715_CDS;__3	-0.05490	0.01769	-0.10537	0.03629
2703_RPA2716_CDS;__3	-0.01828	-0.00561	0.01649	0.15477
2704_RPA2717_CDS;__3	-0.04824	0.03941	0.20025	0.08890
2705_RPA2718_CDS;__3	0.07848	-0.05507	0.13392	0.07219
2706_RPA2719_CDS;__3	-0.12252	-0.05737	0.12945	0.09349
2707_RPA2720_CDS;__3	-0.33427	0.05082	-0.04751	-0.00925
2708_RPA2721_CDS;__3	0.00530	0.03168	0.13966	0.18257
2709_RPA2722_CDS;__3	0.43572	0.23441	-0.09806	0.22723
2710_RPA2723_CDS;__3	-0.05081	0.10064	0.04183	-0.19599
2711_RPA2724_glyA;__3	-0.19596	0.06660	-0.03237	0.02922
2712_RPA2725_CDS;__3	-0.23764	0.01267	0.14135	-0.05263
2713_RPA2726_ribD;__3	-0.04574	0.08458	0.02026	-0.01890
2714_RPA2727_ribC;__3	-0.23427	0.04150	0.07045	0.06962
2715_RPA2728_ribE;__3	-0.09518	0.07707	0.02719	0.11448
2716_RPA2729_CDS;__3	-0.13036	-0.01862	0.11599	0.09435
2717_RPA2730_thiL;__3	0.12726	0.08852	0.09072	0.03690
2718_RPA2731_CDS;__3	-0.33378	0.10516	-0.24564	-0.08693
2719_RPA2732_CDS;__3	-0.16398	-0.09955	0.32693	0.09295
2720_RPA2733_CDS;__3	-0.31290	0.02996	-0.20115	-0.19661
2721_RPA2734_CDS;__3	-0.13516	-0.02073	0.03054	0.07196
2722_RPA2735_mexC;__3	0.18942	-0.47546	-0.01009	0.05899
2723_RPA2736_mexD;__3	-0.00512	-0.05644	0.01008	-0.03023
2724_RPA2737_CDS;__3	0.01254	0.05368	0.18437	-0.03157
2725_RPA2738_CDS;__3	-0.14185	-0.01606	0.16717	0.01402
2726_RPA2739_CDS;__3	-0.02739	-0.23767	0.03453	0.03573
2727_RPA2740_plsX;__3	-0.04206	0.06345	-0.02023	-0.00459
2728_RPA2741_fabH;__3	-0.15787	0.06450	-0.02701	-0.06189
2729_RPA2742_himA;__3	0.04907	0.10025	-0.02458	0.08222
2730_RPA2743_CDS;__3	0.05988	0.11691	0.09417	-0.05642
2731_RPA2744_CDS;__3	0.00865	-0.08498	0.16852	0.01524
2732_RPA2745_CDS;__3	-0.06394	0.04108	0.12796	-0.06399
2733_RPA2746_CDS;__3	0.02808	0.00932	0.31449	-0.08379
2734_RPA2747_CDS;__3	-0.05988	-0.05266	-0.05645	-0.01245
2735_RPA2748_CDS;__3	-0.11063	-0.02097	0.01063	0.05117
2736_RPA2749_CDS;__3	-0.07118	0.03083	0.11069	0.02884
2737_RPA2750_CDS;__3	-0.18601	0.07132	-0.02873	-0.02858
2738_RPA2751_CDS;__3	-0.05654	-0.22953	0.00585	0.04490
2739_RPA2752_CDS;__3	0.01097	-0.02512	-0.00950	-0.01253
2740_RPA2753_CDS;__3	0.03231	0.08867	0.04005	-0.09459

2741_RPA2754_CDS;_3	0.20485	-0.17716	0.19334	-0.08059
2742_RPA2755_CDS;_3	-0.16778	0.01284	-0.05572	0.04505
2743_RPA2756_CDS;_3	0.02094	0.06904	0.07110	0.10331
2744_RPA2757_CDS;_3	0.10169	0.00855	-0.19202	-0.06019
2745_RPA2758_CDS;_3	-0.03339	-0.03808	0.07412	0.09297
2746_RPA2759_CDS;_3	0.36101	-0.18502	0.00218	0.11987
2747_RPA2760_CDS;_3	0.21137	-0.09963	0.05065	0.03515
2748_RPA2761_CDS;_3	0.24182	0.09491	0.08660	0.14184
2749_RPA2762_CDS;_3	0.06851	-0.21718	-0.01907	-0.01116
2750_RPA2763_CDS;_3	-0.19411	0.05501	0.01008	-0.03162
2751_RPA2764_CDS;_3	-0.13183	0.03932	0.09968	-0.00086
2752_RPA2765_CDS;_3	-0.08657	-0.08658	-0.10229	-0.08747
2753_RPA2766_CDS;_3	0.17978	0.01799	0.00881	-0.10792
2754_RPA2767_rp1M,_L	0.00760	0.15337	-0.25812	-0.05262
2755_RPA2768_rpsI,_S	-0.25357	0.18226	-0.32414	-0.08536
2756_RPA2769_CDS;_3	-0.00013	-0.06732	0.06227	0.00499
2757_RPA2770_CDS;_3	-0.12817	0.12852	-0.16933	0.01733
2758_RPA2771_CDS;_3	-0.06432	0.05841	0.07084	0.04967
2759_RPA2772_rlpA;	0.11329	0.10851	-0.01651	-0.07030
2760_RPA2773_CDS;_3	0.06039	-0.21947	0.04597	-0.10735
2761_RPA2774_CDS;_3	-0.12096	0.02995	0.14318	0.03025
2762_RPA2775_CDS;_3	-0.00851	0.05349	0.10956	0.08870
2763_RPA2776_CDS;_3	-0.11949	0.00604	0.11795	0.00124
2764_RPA2777_metG;	-0.25893	0.05174	0.03788	-0.00306
2765_RPA2778_CDS;_3	-0.14712	0.05746	0.01698	-0.10783
2766_RPA2779_CDS;_3	-0.16503	0.04612	0.02786	-0.07336
2767_RPA2780_CDS;_3	-0.20129	0.08733	-0.05835	0.00434
2768_RPA2781_dctQ;	-0.13325	-0.22164	-0.03600	0.01408
2769_RPA2782_dctP;	-0.17763	0.07024	-0.07674	-0.08117
2770_RPA2783_CDS;_3	0.76941	0.04561	0.02023	-0.05840
2771_RPA2784_CDS;_3	0.13498	0.08400	0.04374	0.11635
2772_RPA2785_CDS;_3	0.27201	-0.30995	0.07468	0.06592
2773_RPA2786_CDS;_3	0.70760	0.17413	-0.21981	0.08549
2774_RPA2787_CDS;_3	0.47485	-0.27521	-0.05393	0.03643
2775_RPA2788_CDS;_3	0.23058	-0.09548	0.05097	-0.03460
2776_RPA2789_phmA;	-0.11564	-0.10833	0.04657	-0.00351
2777_RPA2790_phuC;	-0.08977	-0.07081	0.20828	0.19007
2778_RPA2791_phuD;	-0.05000	-0.11993	0.10427	0.04361
2779_RPA2792_phxE;	-0.13298	0.05356	0.09107	0.01702
2780_RPA2793_phxF;	0.00858	0.08198	0.13478	-0.23864
2781_RPA2794_phgG;	-0.18208	0.05259	0.01079	0.01324
2782_RPA2795_CDS;_3	0.28116	-0.06315	0.09486	-0.26927
2783_RPA2796_glyA;	0.07524	0.05453	0.05697	0.01705
2784_RPA2797_CDS;_3	0.12275	0.09277	-0.03342	-0.07833
2785_RPA2798_BenE;	0.27331	-0.12354	-0.14954	0.05196
2786_RPA2799_pdxK;	0.11834	-0.01865	0.01095	0.04165
2787_RPA2800_CDS;_3	0.14351	0.05442	0.17945	-0.08490
2788_RPA2801_CDS;_3	0.20283	0.23071	-0.28841	0.09579
2789_RPA2802_CDS;_3	-0.15100	0.05468	0.02889	0.06231
2790_RPA2803_CDS;_3	-0.21957	-0.01135	0.08814	0.11223
2791_RPA2804_CDS;_3	0.04643	0.08331	0.07708	0.02669
2792_RPA2805_nthA;	-0.09825	0.07934	0.00508	0.04760
2793_RPA2806_nthB;	0.01232	-0.00059	-0.01501	0.02720
2794_RPA2807_CDS;_3	0.09512	0.07382	0.08046	0.07319
2795_RPA2808_CDS;_3	0.07074	-0.05657	0.04251	0.09119
2796_RPA2809_CDS;_3	0.04802	0.04316	0.10174	-0.02828
2797_RPA2810_CDS;_3	-0.02525	0.09350	-0.26027	0.01631

2798_RPA2811_mazG;_3	-0.11460	-0.45145	-0.23316	0.10019
2799_RPA2812_CDS;_3	-0.03892	-0.00959	0.03076	0.08395
2800_RPA2813_CDS;_3	-0.00580	-0.53199	-0.01444	0.12616
2801_RPA2814(ssb);_3	-0.06834	0.11243	-0.01133	0.12057
2802_RPA2815_CDS;_3	0.16822	0.21365	-0.15108	0.14013
2803_RPA2816_uvrA;_3	-0.19392	0.09808	-0.06543	0.01752
2804_RPA2817_CDS;_3	1.38819	0.10217	-0.02395	0.12305
2805_RPA2818_CDS;_3	-0.02484	0.09728	0.08456	0.15612
2806_RPA2819_CDS;_3	0.14277	0.09316	0.07533	0.18249
2807_RPA2820_CDS;_3	0.25427	0.09826	0.03919	0.14304
2808_RPA2821_CDS;_3	-0.09888	-0.01666	0.34472	0.11789
2809_RPA2822_CDS;_3	-0.07485	-0.03126	-0.00171	-0.00895
2810_RPA2823_CDS;_3	-0.24767	0.05226	0.06065	-0.03706
2811_RPA2824_CDS;_3	0.00233	0.03516	0.19363	-0.01828
2812_RPA2825_CDS;_3	-0.16612	0.02728	-0.07819	0.04683
2813_RPA2826_CDS;_3	-0.07109	-0.00430	0.20668	0.09440
2814_RPA2827_gid;_3	0.04032	0.09916	-0.01358	0.08761
2815_RPA2828_CDS;_3	0.00785	-0.12659	0.04824	0.05899
2816_RPA2829_CDS;_3	0.08511	-0.08561	0.19113	0.12325
2817_RPA2830_secF;_3	-0.12478	-0.00158	-0.07672	-0.15345
2818_RPA2831_secD;_3	-0.12978	0.10326	-0.09269	-0.05650
2819_RPA2832_yajC;_3	-0.27387	0.00413	-0.12384	-0.02166
2820_RPA2833_CDS;_3	0.04598	0.09194	0.04191	0.06413
2821_RPA2834_CDS;_3	-0.01123	-0.18984	-0.07282	-0.00011
2822_RPA2835_CDS;_3	0.10194	0.04154	0.19508	0.02476
2823_RPA2836_CDS;_3	0.21572	-0.04951	0.08727	0.00299
2824_RPA2837_lppB;_3	-0.03979	0.11610	-0.12380	-0.04521
2825_RPA2838_pimt;_3	0.06442	0.08238	0.15729	-0.30067
2826_RPA2839_CDS;_3	-0.19633	-0.00849	0.00546	-0.22529
2827_RPA2840_CDS;_3	0.43279	-0.15247	-0.10792	-0.16800
2828_RPA2841_surE;_3	-0.24891	0.03597	-0.02784	0.00500
2829_RPA2844_CDS;_3	0.19044	0.13534	0.01039	0.00167
2830_RPA2845_serS;_3	-0.14500	0.07401	-0.01599	-0.05660
2831_RPA2846_CDS;_3	0.29859	0.03122	0.31143	-0.09108
2832_RPA2847_tatC;_3	-0.27238	0.03428	0.08454	0.00121
2833_RPA2848_tatB;_3	-0.01241	-0.01627	0.03395	0.03097
2834_RPA2849_tatAE;_3	-0.07084	0.07608	-0.31643	-0.33762
2835_RPA2850_CDS;_3	-0.10273	0.04284	-0.16671	-0.13072
2836_RPA2851_CDS;_3	-0.00112	-0.04840	0.06356	-0.27307
2837_RPA2852_CDS;_3	0.10184	0.11243	-0.01878	-0.00239
2838_RPA2853_CDS;_3	-0.00804	0.07655	-0.03288	-0.08219
2839_RPA2854_argS;_3	-0.06650	0.09277	-0.10312	-0.00323
2840_RPA2855_CDS;_3	-0.08269	0.04054	0.09322	-0.09171
2841_RPA2856_CDS;_3	-0.25153	0.06805	0.01276	0.06436
2842_RPA2857_CDS;_3	-0.10966	-0.03413	0.06268	0.04839
2843_RPA2858_CDS;_3	-0.12885	0.03180	0.09426	0.00088
2844_RPA2859_CDS;_3	0.06018	0.02217	0.20061	0.01241
2845_RPA2860_CDS;_3	0.00840	-0.16011	0.05964	-0.01154
2846_RPA2861_xth;_3	0.02972	0.05708	0.16800	0.00736
2847_RPA2862_CDS;_3	-0.12435	-0.01763	0.01500	0.03676
2848_RPA2863_CDS;_3	-0.17212	-0.04270	-0.03702	0.04795
2849_RPA2864_CDS;_3	0.05359	0.07632	0.01457	0.00042
2850_RPA2865_CDS;_3	-0.12826	0.03679	-0.11561	0.01713
2851_RPA2866_CDS;_3	-0.14137	-0.19118	-0.20260	-0.06008
2852_RPA2867_CDS;_3	-0.02434	0.13662	-0.16252	-0.08335
2853_RPA2868_CDS;_3	0.04309	0.02393	-0.01446	-0.30306
2854_RPA2869_CDS;_3	-0.05714	0.07842	0.00487	-0.12055

2855_RPA2870_CDS;_3	-0.11607	-0.05777	0.12073	-0.06121
2856_RPA2871_CDS;_3	-0.00407	-0.01477	0.13310	-0.14702
2857_RPA2872_CDS;_3	0.05770	-0.54346	0.05446	-0.08068
2858_RPA2873_CDS;_3	-0.18842	0.05133	0.07653	-0.00293
2859_RPA2874_eno;_3	-0.33351	-0.04242	-0.18249	0.00648
2860_RPA2875_CDS;_3	-0.21564	0.09201	-0.07766	0.11951
2861_RPA2876_CDS;_3	-0.02380	0.07785	0.02242	0.04221
2862_RPA2877_CDS;_3	0.07379	0.00899	0.03672	0.03322
2863_RPA2878_CDS;_3	-0.04287	0.01897	0.09726	0.03066
2864_RPA2879_kdsA;_3	-0.19537	-0.11406	-0.09980	-0.01039
2865_RPA2880_CDS;_3	0.05211	0.06020	0.05988	-0.04667
2866_RPA2881_CDS;_3	0.22016	0.11541	0.05424	-0.01573
2867_RPA2882_CDS;_3	0.17378	0.05846	-0.04153	0.28447
2868_RPA2883_CDS;_3	0.05335	0.08219	0.12200	0.08735
2869_RPA2884_CDS;_3	0.07588	-0.03796	0.07678	0.05988
2870_RPA2885_CDS;_3	0.27414	0.30471	-0.71229	-0.08383
2871_RPA2886_pyrG;_3	-0.22740	0.05341	-0.00319	-0.00759
2872_RPA2887_secG;_3	-0.00304	0.10586	-0.40376	-0.16022
2873_RPA2888_cbbJ;_t	0.14637	0.15023	-0.08948	-0.01705
2874_RPA2889_CDS;_3	-0.21432	0.00484	-0.02370	0.04614
2875_RPA2890_trpD;_3	-0.20168	0.05868	0.01120	0.07440
2876_RPA2891_trpC;_3	-0.09061	0.07031	0.02541	-0.00296
2877_RPA2892_moaC;_3	-0.01643	0.07933	0.08234	0.11854
2878_RPA2893_CDS;_3	-0.06296	0.07868	-0.00397	0.03946
2879_RPA2894_CDS;_3	0.36929	0.04188	-0.01359	0.10011
2880_RPA2895_CDS;_3	-0.05727	-0.00111	-0.00426	-0.13651
2881_RPA2896_CDS;_3	0.07309	0.08242	0.12029	-0.32382
2882_RPA2897_motB2;_3	-0.04522	0.08776	-0.01086	-0.02349
2883_RPA2898_CDS;_3	-0.18498	0.01573	-0.06774	0.07275
2884_RPA2899_CDS;_3	-0.08623	0.06604	0.11342	0.07646
2885_RPA2900_CDS;_3	0.13449	0.02212	0.03691	-0.01250
2886_RPA2901_CDS;_3	-0.05792	0.03447	0.06652	0.04539
2887_RPA2902_moeA;_3	-0.09406	0.07342	0.02106	0.00328
2888_RPA2903_lexA;_3	0.06518	0.02374	-0.01565	0.04369
2889_RPA2904_CDS;_3	0.04683	0.03462	0.15063	0.03860
2890_RPA2905_glnS;_3	-0.20695	0.01271	0.08234	-0.00681
2891_RPA2906_gltX;_3	-0.04784	-0.16366	-0.15925	0.03135
2892_RPA2907_gltA;_3	-0.13431	0.00702	-0.12676	-0.05933
2893_RPA2908_CDS;_3	0.17408	0.01610	-0.15283	-0.13640
2894_RPA2909_lpxB;_3	-0.02571	-0.00789	0.21123	0.06659
2895_RPA2910_CDS;_3	0.05537	-0.09504	0.08717	0.04221
2896_RPA2911_lpxA;_3	-0.17151	-0.05237	0.06578	-0.02359
2897_RPA2912_CDS;_3	-0.15903	0.03399	-0.00215	-0.03295
2898_RPA2913_lpxD;_3	0.16443	0.11605	-0.01300	-0.00348
2899_RPA2914_CDS;_3	-0.12777	-0.17500	-0.26252	-0.10207
2900_RPA2915_CDS;_3	-0.04529	-0.05967	0.13004	-0.05449
2901_RPA2916_dxr;_3	0.12977	-0.32396	-0.12754	0.02849
2902_RPA2917_cdsA;_3	0.14984	0.09341	0.00186	0.04994
2903_RPA2918_uppS;_3	0.03761	0.09908	0.00491	-0.00874
2904_RPA2919_rrf;_3	-0.15031	0.00538	-0.11395	-0.02265
2905_RPA2920_pyrH;_3	0.02559	0.07131	-0.03525	-0.20997
2906_RPA2921_tsf;_3	-0.22508	0.15001	-0.25024	-0.05860
2907_RPA2922_rpsB;_3	-0.19216	0.10846	-0.27232	-0.18953
2908_RPA2923_CDS;_3	0.15624	-0.20806	-0.00279	-0.04692
2909_RPA2924_dnaE;_3	-0.17755	-0.07846	-0.00428	0.00347
2910_RPA2925_CDS;_3	0.31355	0.10476	0.14961	0.08197
2911_RPA2926_CDS;_3	-0.21507	-0.03851	-0.00500	0.04328

2912_RPA2927_CDS;__3	-0.07874	0.04143	0.07954	0.02743
2913_RPA2928_proS;__	-0.23591	0.07257	-0.04208	0.00752
2914_RPA2929_CDS;__3	0.25784	-0.00376	0.15093	0.15870
2915_RPA2930_CDS;__3	-0.01863	0.07322	0.02771	0.12561
2916_RPA2931_CDS;__3	-0.19661	0.05760	-0.17326	-0.03451
2917_RPA2932_CDS;__3	0.35015	0.15796	-0.08926	0.05689
2918_RPA2933_CDS;__3	0.01504	0.00512	0.00395	-0.32126
2919_RPA2934_CDS;__3	-0.18791	0.08258	-0.04019	0.12212
2920_RPA2935_CDS;__3	-0.16621	0.04501	0.00581	-0.00796
2921_RPA2936_birA;__	0.06110	-0.47188	-0.11127	0.12074
2922_RPA2937_nuoN;__	-0.22001	0.04351	-0.05394	-0.05183
2923_RPA2938_nuoM;__	-0.28362	0.02606	-0.02015	-0.01014
2924_RPA2939_nuoL;__	-0.17575	-0.14257	-0.05138	0.01590
2925_RPA2940_nuoK;__	-0.26750	-0.04530	-0.08218	-0.04009
2926_RPA2941_nuoJ;__	-0.21073	0.02782	-0.13540	0.03631
2927_RPA2942_nuoI;__	-0.11537	0.09627	-0.14299	0.02963
2928_RPA2943_nuoH;__	-0.27290	0.05333	-0.06800	0.00941
2929_RPA2944_nuoG;__	-0.22301	-0.12012	-0.07349	0.03306
2930_RPA2945_nuoF;__	-0.22811	0.05214	-0.09640	0.01409
2931_RPA2946_CDS;__3	0.50265	0.23580	-0.07640	0.28550
2932_RPA2947_nuoE;__	-0.08755	0.06441	0.05194	0.10082
2933_RPA2948_fkbM;__	-0.16878	0.06155	0.04259	0.04265
2934_RPA2949_nuoD;__	-0.17378	-0.11209	-0.07121	0.03909
2935_RPA2950_nuoC;__	-0.10596	-0.06629	0.02137	-0.05538
2936_RPA2951_nuoB;__	-0.11760	-0.11516	-0.27013	-0.07112
2937_RPA2952_nuoA;__	0.45898	0.38662	-0.33347	0.40122
2938_RPA2953_hupA;__	-0.26345	0.07129	-0.27667	0.08558
2939_RPA2954_pepT;__	-0.00590	-0.09470	0.00017	-0.02025
2940_RPA2955_mex;__	-0.01391	0.10746	-0.05275	0.02502
2941_RPA2956_mexF;__	-0.17908	-0.12586	-0.02131	0.05482
2942_RPA2957_CDS;__3	-0.09613	0.07602	0.03142	0.00542
2943_RPA2958_CDS;__3	0.31306	-0.14970	-0.04846	-0.18934
2944_RPA2959_lon;__3	-0.23823	0.07088	-0.07267	-0.00136
2945_RPA2960_clpX;__	-0.21036	-0.02915	-0.05687	-0.16823
2946_RPA2961_clpP;__	-0.20045	0.05091	-0.05813	-0.00550
2947_RPA2962_tig;__3	-0.30403	0.03546	-0.21902	-0.06129
2948_RPA2963_CDS;__3	0.24949	0.00474	-0.16115	0.03400
2949_RPA2964_CDS;__3	-0.06058	0.05006	0.13047	-0.02582
2950_RPA2965_yjeF;__	-0.09404	-0.15543	0.08465	-0.00054
2951_RPA2966_glnB;__	-0.06761	0.06941	-0.07737	0.24987
2952_RPA2967_glnA;__	-0.35022	0.10815	-0.22045	-0.05645
2953_RPA2968_ybiH;__	0.07998	0.14299	0.03429	0.03204
2954_RPA2969_CDS;__3	-0.19591	0.02658	-0.16448	-0.01275
2955_RPA2970_bioA;__	-0.12066	0.01002	0.15731	0.02881
2956_RPA2971_bioD;__	0.03266	-0.49429	-0.11457	0.08715
2957_RPA2972_bioF;__	0.04352	0.06926	0.06759	-0.03959
2958_RPA2973_CDS;__3	0.12619	0.03577	-0.03880	-0.06871
2959_RPA2974_CDS;__3	0.15088	0.03567	0.16864	-0.13262
2960_RPA2975_serA;__	-0.24267	0.03322	0.03109	0.02435
2961_RPA2976_CDS;__3	-0.12527	0.03104	0.07309	0.07481
2962_RPA2977_nrd;__3	-0.31080	0.06200	-0.10186	0.02781
2963_RPA2978_CDS;__3	1.22123	0.25696	-0.09230	0.29348
2964_RPA2979_CDS;__3	0.25763	0.01074	-0.06560	-0.11073
2965_RPA2980_CDS;__3	0.16764	0.12804	0.01361	0.13630
2966_RPA2981_CDS;__3	0.36427	-0.09265	0.29957	0.13928
2967_RPA2982_CDS;__3	0.16928	0.06371	0.11278	0.07407
2968_RPA2983_CDS;__3	0.12943	0.11550	0.04178	0.16624

2969_RPA2984_CDS;__3	0.15601	0.11563	0.03975	0.00568
2970_RPA2985_CDS;__3	-0.16411	-0.04890	0.11442	0.10869
2971_RPA2986_CDS;__3	-0.24563	0.02310	0.21383	0.05380
2972_RPA2987_CDS;__3	-0.18374	0.01255	0.11956	-0.03973
2973_RPA2988_yrkN;__3	-0.03160	0.10600	-0.02932	-0.15924
2974_RPA2989_CDS;__3	-0.13913	0.03709	0.06933	0.03444
2975_RPA2990_CDS;__3	-0.00307	0.09074	0.02186	-0.08078
2976_RPA2991_CDS;__3	0.17373	0.11712	-0.06921	-0.24434
2977_RPA2992_CDS;__3	0.00827	0.05390	0.07156	-0.05357
2978_RPA2993_CDS;__3	0.09629	-0.01670	0.36834	0.07479
2979_RPA2994_CDS;__3	-0.07586	-0.08310	0.25574	-0.17919
2980_RPA2995_nuoL;__3	-0.04325	-0.08114	0.02053	0.08737
2981_RPA2996_CDS;__3	0.08148	-0.01350	0.01200	-0.08019
2982_RPA2997_CDS;__3	0.54115	-0.32445	-0.28566	0.32668
2983_RPA2998_dapA;__3	0.40250	0.03777	-0.09020	0.09383
2984_RPA2999_ptsN2;__3	0.08876	0.03966	0.05106	0.01387
2985_RPA3000_kdpE;__3	0.11099	-0.04066	0.15654	-0.12955
2986_RPA3001_kdpD;__3	0.03186	0.05790	0.08144	-0.06338
2987_RPA3002_kdpC;__3	0.10026	-0.03204	0.12389	-0.05317
2988_RPA3003_kdpB;__3	-0.07945	0.05969	-0.01712	0.02675
2989_RPA3004_kdpA;__3	-0.03463	-0.06857	-0.07971	-0.01165
2990_RPA3005_CDS;__3	0.73227	0.09867	0.15951	0.03244
2991_RPA3006_CDS;__3	0.63574	0.24468	-0.13145	0.15833
2992_RPA3007_CDS;__3	0.41979	-0.09378	-0.05323	0.17439
2993_RPA3008_kup;__3	0.04618	0.02161	0.18325	-0.01702
2994_RPA3009_pucBc;__3	-0.12917	-0.07361	-0.00351	0.10833
2995_RPA3011_CDS;__3	0.44789	0.18956	-0.05047	-0.04083
2996_RPA3012_pucAd;__3	0.05509	0.11479	-0.48235	-0.48826
2997_RPA3013_pucBd;__3	-0.03582	-0.10437	0.04937	-0.09002
2998_RPA3014_CDS;__3	0.14756	-0.01052	0.10970	0.05005
2999_RPA3015_phyB1;__3	0.10089	0.03223	0.03690	0.11291
3000_RPA3016_phyB2;__3	0.13165	0.03927	0.01480	0.07657
3001_RPA3017_rphyB;__3	-0.04664	-0.02364	-0.01460	0.05219
3002_RPA3018_CDS;__3	0.09969	0.08650	0.11726	0.13406
3003_RPA3020_mexE;__3	0.04339	-0.00372	0.02802	-0.04000
3004_RPA3021_CDS;__3	-0.06826	-0.26999	-0.03089	0.09431
3005_RPA3022_CDS;__3	-0.01810	-0.02297	0.01772	-0.17606
3006_RPA3023_CDS;__3	0.10781	-0.07297	0.14474	0.04634
3007_RPA3024_CDS;__3	0.12204	-0.00456	0.00300	0.21138
3008_RPA3025_CDS;__3	0.40876	-0.00928	-0.00831	-0.07164
3009_RPA3026_CDS;__3	0.12364	-0.05449	0.08879	0.14184
3010_RPA3027_kup;__3	-0.13408	0.01896	0.11904	-0.08615
3011_RPA3028_CDS;__3	0.27893	0.12756	0.03881	-0.05494
3012_RPA3029_CDS;__3	0.85993	0.34781	-0.37430	0.62430
3013_RPA3030_CDS;__3	0.26376	0.07899	-0.18334	0.01509
3014_RPA3031_CDS;__3	-0.06164	0.09673	-0.00388	0.11000
3015_RPA3032_CDS;__3	0.16887	0.01067	0.27849	-0.19784
3016_RPA3033_argE;__3	0.01590	-0.16622	0.09343	0.01020
3017_RPA3034_CDS;__3	0.14383	-0.20573	-0.22337	-0.04922
3018_RPA3035_CDS;__3	0.00775	0.07724	0.10882	0.12246
3019_RPA3036_CDS;__3	0.54818	0.19670	-0.19200	-0.04201
3020_RPA3037_CDS;__3	0.05197	0.13685	-0.13373	0.08093
3021_RPA3038_CDS;__3	0.10362	0.09184	-0.02701	0.01568
3022_RPA3039_CDS;__3	-0.10170	0.08320	-0.01550	0.01577
3023_RPA3040_CDS;__3	0.01216	-0.20004	0.01783	-0.00698
3024_RPA3041_CDS;__3	0.11300	0.07579	0.12408	0.20364
3025_RPA3042_mao;__3	-0.21807	-0.03139	-0.06145	-0.00861

3026_RPA3043_aspS;_3	-0.26131	0.07467	-0.11351	-0.02061
3027_RPA3044_CDS;_3	-0.09928	0.04112	0.09490	0.04661
3028_RPA3045_rnd;_3	-0.16221	0.07321	-0.01525	-0.06354
3029_RPA3046_CDS;_3	-0.10482	-0.09754	0.06487	0.06567
3030_RPA3047_CDS;_3	-0.12365	0.03207	0.08276	-0.03054
3031_RPA3048_CDS;_3	-0.09580	0.05460	0.04180	0.00623
3032_RPA3049_CDS;_3	0.01590	0.05175	0.10651	0.08107
3033_RPA3050_CDS;_3	0.10007	0.06768	0.11765	0.07163
3034_RPA3051_purM;_3	-0.23917	0.09258	-0.03971	0.09633
3035_RPA3052_purN;_3	-0.00542	0.10715	-0.03212	0.10839
3036_RPA3053_csp;_3	0.25368	0.06304	-0.25681	-0.10636
3037_RPA3054_CDS;_3	0.26245	0.05183	-0.08783	0.01496
3038_RPA3055_CDS;_3	0.15574	0.15175	0.06569	0.13315
3039_RPA3056_CDS;_3	-0.28899	0.03271	-0.22830	0.00736
3040_RPA3057_CDS;_3	-0.05040	-0.22584	0.02206	-0.05663
3041_RPA3058_CDS;_3	0.02891	-0.25684	-0.16782	0.04757
3042_RPA3059_CDS;_3	-0.11381	0.00078	0.13060	0.06004
3043_RPA3060_CDS;_3	-0.20454	0.07792	-0.09187	-0.03086
3044_RPA3061_CDS;_3	-0.06378	-0.49518	-0.10876	0.06118
3045_RPA3062_CDS;_3	0.18922	0.11514	0.00102	-0.10149
3046_RPA3063_CDS;_3	-0.09638	-0.03553	-0.04041	-0.02711
3047_RPA3064_CDS;_3	0.03306	-0.23001	0.04123	0.05721
3048_RPA3065_pdxA;_3	0.38321	-0.07821	-0.02460	-0.09300
3049_RPA3066_ksgA;_3	0.23937	0.10969	0.12347	0.02879
3050_RPA3067_CDS;_3	-0.02509	0.07393	-0.29996	-0.14940
3051_RPA3068_CDS;_3	0.45505	-0.07257	-0.20955	-0.11855
3052_RPA3069_kguA;_3	0.09495	0.00560	0.07835	-0.01211
3053_RPA3070_CDS;_3	-0.05338	0.09588	-0.02974	-0.05790
3054_RPA3071_CDS;_3	0.02979	0.01763	-0.01159	-0.04576
3055_RPA3072_fabF;_3	-0.00896	0.08433	-0.09417	-0.02762
3056_RPA3073_acpP;_3	0.13963	0.04642	0.31098	-0.22070
3057_RPA3074_fabG;_3	-0.03051	-0.08892	-0.07918	-0.13027
3058_RPA3075_fabD;_3	-0.05786	-0.22236	-0.08052	-0.00649
3059_RPA3076_CDS;_3	0.24795	-0.02837	0.04007	0.09225
3060_RPA3077_RPS6;_3	-0.09700	0.03160	-0.23002	-0.10794
3061_RPA3078_RPS18;_3	-0.14881	0.11966	-0.15569	-0.02167
3062_RPA3079_CDS;_3	-0.03031	-0.22062	0.03489	0.11175
3063_RPA3080_RPL9;_3	-0.31674	0.02442	-0.22743	-0.14251
3064_RPA3081_CDS;_3	0.21407	0.12949	-0.02885	0.01600
3065_RPA3082_cfa;_3	0.01991	-0.04666	0.03498	0.10071
3066_RPA3083_CDS;_3	-0.25270	0.09317	-0.00993	0.11136
3067_RPA3084_dnaB;_3	-0.18616	0.12044	-0.14571	-0.05066
3068_RPA3085_CDS;_3	-0.16165	0.06937	-0.00448	-0.00577
3069_RPA3086_CDS;_3	-0.20796	-0.00160	-0.16950	-0.15845
3070_RPA3087_CDS;_3	-0.02025	0.01919	0.13355	0.03958
3071_RPA3088_CDS;_3	0.00869	0.10848	-0.01222	0.07813
3072_RPA3089_RadA;_3	-0.02361	-0.15504	-0.03706	0.01695
3073_RPA3090_CDS;_3	-0.03425	-0.02273	-0.05949	-0.00003
3074_RPA3091_purF;_3	-0.23443	-0.02419	-0.13472	0.00389
3075_RPA3092_CDS;_3	-0.17080	0.13614	-0.23864	-0.02564
3076_RPA3093_CDS;_3	-0.11226	0.13950	-0.16107	-0.02633
3077_RPA3094_CDS;_3	-0.00416	-0.23557	0.06079	0.00634
3078_RPA3095_CDS;_3	-0.03360	-0.46288	-0.21653	-0.00127
3079_RPA3096_CDS;_3	0.14383	-0.38586	-0.26109	0.12651
3080_RPA3097_CDS;_3	0.15229	-0.44716	-0.17494	-0.03563
3081_RPA3098_panB;_3	-0.11227	0.07154	-0.13605	-0.09420
3082_RPA3099_CDS;_3	-0.22183	0.01017	-0.13365	-0.04492

3083_RPA3100_CDS;_3	-0.04268	0.05650	0.08615	0.07659
3084_RPA3101_CDS;_3	0.28800	0.04088	0.08117	0.02812
3085_RPA3102_CDS;_3	-0.04453	0.02220	-0.24662	-0.09194
3086_RPA3103_CDS;_3	0.93969	0.26486	-0.11388	0.23168
3087_RPA3104_gatB;_3	-0.15059	0.09191	-0.09259	0.01038
3088_RPA3105_CDS;_3	-0.04944	-0.01560	-0.03277	0.01736
3089_RPA3106_CDS;_3	0.09347	0.07762	0.07135	-0.08793
3090_RPA3107_GatA;_3	-0.23290	0.05618	-0.07230	-0.01658
3091_RPA3108_CDS;_3	0.57459	-0.40033	-0.31088	0.02006
3092_RPA3109_CDS;_3	0.29797	0.10465	-0.12506	0.07399
3093_RPA3110_CDS;_3	-0.15765	-0.03902	0.33245	0.06373
3094_RPA3111_gatC;_3	-0.16946	-0.05525	-0.10572	-0.10991
3095_RPA3112_CDS;_3	-0.03322	-0.08471	0.09934	0.08987
3096_RPA3113_CDS;_3	-0.07358	0.08080	0.04334	0.14880
3097_RPA3114_CDS;_3	-0.04591	0.10874	-0.04112	0.02516
3098_RPA3115_CDS;_3	-0.07699	-0.06587	-0.12733	-0.04851
3099_RPA3116_ipdC;_3	-0.14022	-0.07383	0.02579	0.02759
3100_RPA3117_pyrB;_3	-0.13664	0.06537	0.03080	0.04153
3101_RPA3118_pyr;_3	-0.12366	-0.06321	-0.04844	0.05156
3102_RPA3119_CDS;_3	-0.07738	0.04722	0.04560	0.11736
3103_RPA3120_DprA;_3	0.00569	-0.03305	0.10600	-0.02350
3104_RPA3121_CDS;_3	0.03311	0.06413	0.08051	0.10436
3105_RPA3122_CDS;_3	-0.10462	0.06091	0.06114	-0.03672
3106_RPA3123_CDS;_3	0.39915	-0.06694	-0.16469	0.20311
3107_RPA3124_TopA;_3	-0.18173	0.09579	-0.02896	0.07453
3108_RPA3125_RNR;_3	0.00871	-0.45343	-0.15107	0.08841
3109_RPA3126_CDS;_3	0.03673	0.09223	-0.00770	0.08594
3110_RPA3127_CDS;_3	-0.20349	0.07746	0.02815	0.08785
3111_RPA3128_CDS;_3	-0.04467	0.01225	0.16211	-0.03490
3112_RPA3129_RPL33;_3	-0.30939	0.04545	-0.36323	-0.19100
3113_RPA3130_CDS;_3	0.29855	0.06573	-0.30554	-0.21889
3114_RPA3131_CDS;_3	0.38567	0.14404	-0.28823	0.01676
3115_RPA3132_CDS;_3	-0.14366	-0.10368	0.09307	-0.09433
3116_RPA3133_CDS;_3	0.07814	0.09816	0.04534	0.11655
3117_RPA3134_CDS;_3	0.36301	0.07656	0.00640	-0.12752
3118_RPA3135_dinP;_3	-0.14447	-0.02914	0.01890	0.02435
3119_RPA3136_CDS;_3	0.02318	-0.20790	-0.02604	0.08680
3120_RPA3137_CDS;_3	-0.19468	0.06925	-0.07695	-0.02359
3121_RPA3138_CDS;_3	-0.07624	0.08902	0.12367	0.14261
3122_RPA3139_CDS;_3	0.02928	-0.00055	-0.02947	-0.03878
3123_RPA3140_CDS;_3	-0.09042	-0.48933	-0.15574	-0.00199
3124_RPA3141_CDS;_3	0.04558	0.00890	0.08904	-0.24140
3125_RPA3142_CDS;_3	0.11690	0.00062	-0.06041	-0.07536
3126_RPA3143_CDS;_3	-0.09408	0.04061	0.12505	0.07340
3127_RPA3144_CDS;_3	-0.01599	0.06724	0.02522	0.03779
3128_RPA3145_CDS;_3	0.25472	-0.09062	0.15041	-0.18086
3129_RPA3146_CDS;_3	0.18589	-0.20389	0.05093	0.03682
3130_RPA3147_clpA;_3	-0.11486	0.10122	-0.13543	-0.02739
3131_RPA3148_CDS;_3	0.11104	0.14558	-0.08943	0.07711
3132_RPA3149_CDS;_3	0.06719	-0.13521	-0.15812	-0.00225
3133_RPA3150_CDS;_3	-0.14558	0.12326	-0.12794	0.02381
3134_RPA3151_CDS;_3	0.25065	-0.48789	-0.06193	0.06678
3135_RPA3152_CDS;_3	-0.11257	0.00572	0.17151	0.07116
3136_RPA3153_CDS;_3	-0.05873	0.02212	0.10845	-0.07799
3137_RPA3154_CDS;_3	0.06018	0.03109	0.20591	-0.22075
3138_RPA3155_panC;_3	-0.11630	0.09537	-0.06674	0.07748
3139_RPA3156_CDS;_3	-0.08322	0.00563	0.16282	0.06531

3140_RPA3157_CDS;__3	0.10287	0.01234	0.15143	-0.09527
3141_RPA3158_CDS;__3	0.16914	0.19648	-0.23390	-0.07381
3142_RPA3159_CDS;__3	-0.16926	0.02990	0.00457	-0.01502
3143_RPA3160_CDS;__3	0.05715	-0.51914	-0.03261	0.10651
3144_RPA3161_yafB;__3	-0.03634	-0.05011	0.08667	-0.02558
3145_RPA3162_CDS;__3	0.17836	0.02925	0.37651	-0.41128
3146_RPA3163_mgtE;__3	-0.12015	0.08394	-0.02586	0.07101
3147_RPA3164_CDS;__3	-0.08142	-0.18975	-0.13288	0.01264
3148_RPA3165_CDS;__3	0.01836	-0.06668	-0.02165	-0.00153
3149_RPA3166_CDS;__3	0.29806	0.05667	0.11774	-0.03587
3150_RPA3167_CDS;__3	0.61637	0.28752	-0.24054	0.14307
3151_RPA3168_CDS;__3	0.37764	0.14006	-0.03999	0.30180
3152_RPA3169_lipB;__3	-0.11829	0.09952	-0.07417	0.04633
3153_RPA3170_pdeA;__3	0.08073	0.02190	0.03419	0.09089
3154_RPA3171_CDS;__3	-0.13101	-0.02824	-0.00617	-0.08347
3155_RPA3172_CDS;__3	0.05628	0.08906	0.07711	0.11478
3156_RPA3173_CDS;__3	0.18035	-0.02682	0.37528	-0.10733
3157_RPA3174_CDS;__3	-0.11229	0.05934	0.01635	-0.11055
3158_RPA3175_CDS;__3	-0.25770	0.08422	-0.14167	-0.04000
3159_RPA3176_CDS;__3	-0.13367	0.07993	-0.01793	0.01455
3160_RPA3177_CDS;__3	0.19956	0.05978	0.16916	0.08070
3161_RPA3178_CDS;__3	0.07678	0.11504	-0.00449	0.14426
3162_RPA3179_CDS;__3	-0.04469	0.04127	0.17174	0.01013
3163_RPA3180_CDS;__3	-0.31581	0.11857	-0.28115	0.24272
3164_RPA3181_CDS;__3	-0.12750	-0.33681	-0.01293	0.02942
3165_RPA3182_phzF;__3	-0.00954	-0.06345	0.03182	-0.03823
3166_RPA3183_CDS;__3	-0.21123	-0.10410	-0.03197	-0.03398
3167_RPA3184_CDS;__3	0.52234	0.08448	-0.03780	-0.06208
3168_RPA3185_CDS;__3	-0.15193	-0.01850	0.01008	0.00797
3169_RPA3186_CDS;__3	-0.20311	0.00083	0.03425	0.11026
3170_RPA3187_CDS;__3	-0.13016	0.05295	0.05294	0.03470
3171_RPA3188_CDS;__3	-0.12343	-0.07244	0.03570	0.05001
3172_RPA3189_CDS;__3	-0.09158	0.01468	0.15576	0.02096
3173_RPA3190_CDS;__3	-0.24901	0.00882	0.05819	0.00386
3174_RPA3191_CDS;__3	-0.21414	0.07150	-0.06134	0.00792
3175_RPA3192_CDS;__3	-0.19919	0.04407	0.02542	0.02997
3176_RPA3193_CDS;__3	-0.20932	0.05927	0.06266	0.08694
3177_RPA3194_CDS;__3	-0.11128	0.11363	-0.08918	0.07168
3178_RPA3195_CDS;__3	-0.22751	-0.04030	-0.04727	-0.01379
3179_RPA3196_CDS;__3	0.25488	0.10200	-0.17058	0.08116
3180_RPA3197_CDS;__3	0.03739	0.12682	-0.07297	0.05105
3181_RPA3198_CDS;__3	0.09451	0.03433	0.15896	-0.00151
3182_RPA3199_CDS;__3	-0.03722	-0.19731	0.15789	-0.03845
3183_RPA3200_CDS;__3	-0.01838	0.03029	0.14465	0.03044
3184_RPA3201_CDS;__3	-0.11563	0.06635	-0.08888	0.01942
3185_RPA3202_CDS;__3	0.49611	0.16037	0.00381	0.12344
3186_RPA3203_pccB;__3	-0.29067	0.08384	-0.09694	0.01738
3187_RPA3204_CDS;__3	-0.15705	0.00386	0.22067	0.16236
3188_RPA3205_CDS;__3	-0.04928	0.03863	-0.11025	0.04069
3189_RPA3206_CDS;__3	-0.11894	-0.07295	0.09994	0.03481
3190_RPA3207_CDS;__3	-0.15603	-0.02300	0.04713	-0.09461
3191_RPA3208_rluC;__3	-0.08156	-0.51546	-0.05438	-0.00177
3192_RPA3209_CDS;__3	0.36824	0.04020	0.23115	-0.13224
3193_RPA3210_CDS;__3	0.34757	-0.07035	0.19667	0.08817
3194_RPA3211_CDS;__3	-0.00315	0.07935	0.04925	-0.01573
3195_RPA3212_CDS;__3	0.03960	0.10668	-0.05564	0.07374
3196_RPA3213_CDS;__3	0.01460	0.10761	-0.00441	0.04391

3197_RPA3214_CDS;_3	0.00336	0.10008	-0.05531	0.03159
3198_RPA3215_CDS;_3	-0.13392	0.05739	0.07016	0.06754
3199_RPA3216_CDS;_3	-0.11044	-0.12383	0.06489	-0.06116
3200_RPA3217_CDS;_3	-0.17175	0.05449	0.06251	-0.05633
3201_RPA3218_CDS;_3	-0.33502	-0.05243	0.02616	0.03959
3202_RPA3219_CDS;_3	-0.15057	0.04134	0.08148	0.01419
3203_RPA3220_CDS;_3	-0.19954	0.05064	0.02541	-0.06574
3204_RPA3221_CDS;_3	-0.10336	-0.50323	-0.09309	0.04696
3205_RPA3222_CDS;_3	0.18065	-0.25051	0.07963	-0.13232
3206_RPA3223_CDS;_3	-0.16800	0.04738	0.06551	0.06150
3207_RPA3224_CDS;_3	-0.19299	0.09270	-0.10150	0.00923
3208_RPA3225_rplQ;_	-0.33320	0.07911	-0.06567	-0.02161
3209_RPA3226_rpoA;_	-0.32517	0.06721	-0.14153	-0.08436
3210_RPA3227_rpsK;_	-0.30526	0.10212	-0.31961	-0.20356
3211_RPA3228_rpsM;_	0.08172	0.22327	-0.35651	-0.17222
3212_RPA3229_adk;_3	-0.03358	0.12396	-0.32176	0.05964
3213_RPA3230_secY;_	-0.17208	0.05180	-0.04149	-0.06379
3214_RPA3231_rplO;_	-0.31576	0.01496	-0.25138	-0.14103
3215_RPA3232_rpmD;_	-0.07755	-0.04903	0.05661	0.04196
3216_RPA3233_rpsE;_	-0.24654	0.02963	-0.24479	-0.10463
3217_RPA3234_rplR;_	-0.19939	-0.06010	-0.01838	-0.06256
3218_RPA3235_rplF;_	0.17696	0.11091	-0.29341	-0.07856
3219_RPA3236_rpsH;_	-0.19117	0.02921	-0.19238	-0.02533
3220_RPA3237_rpsN;_	-0.04309	0.08823	-0.15289	-0.35198
3221_RPA3238_rplE;_	-0.26869	0.04500	-0.08458	-0.04605
3222_RPA3239_rplX;_	-0.27420	0.03566	-0.34288	-0.20781
3223_RPA3240_rplN;_	-0.09058	0.10004	-0.16061	0.00987
3224_RPA3241_rpsQ;_	-0.11224	0.01979	-0.00551	0.08469
3225_RPA3242_rpmC;_	-0.03544	0.13437	-0.46044	-0.19962
3226_RPA3243_rplP;_	-0.10380	0.09125	-0.38765	-0.09310
3227_RPA3244_rpsC;_	-0.27180	0.09701	-0.22501	-0.09339
3228_RPA3245_rplV;_	0.05844	0.14908	-0.26590	-0.13985
3229_RPA3246_rpsS;_	-0.29752	0.03164	-0.32662	-0.17328
3230_RPA3247_rplB;_	-0.27137	0.08012	-0.24189	-0.16389
3231_RPA3248_rplW;_	-0.19421	0.06406	-0.22566	0.04473
3232_RPA3249_rplD;_	-0.07835	-0.39996	-0.51418	-0.16339
3233_RPA3250_rplC;_	-0.06513	0.10677	-0.20321	-0.07119
3234_RPA3251_rpsJ;_	-0.15235	0.00536	-0.16478	-0.16138
3235_RPA3252_tufA,_E	-0.31872	0.07231	-0.26348	-0.18013
3236_RPA3253_fusA,_E	-0.20539	0.01040	-0.28858	-0.10930
3237_RPA3254_rpsG;_	-0.09392	0.09335	-0.44570	-0.20794
3238_RPA3255_rpsL;_	-0.21169	0.06665	-0.23543	-0.19293
3239_RPA3256_CDS;_3	-0.09681	0.05308	0.06816	-0.04333
3240_RPA3257_CDS;_3	0.11209	0.08534	0.09386	-0.12173
3241_RPA3258_CDS;_3	0.17783	0.08170	0.10207	0.13497
3242_RPA3259_CDS;_3	0.50978	0.12447	0.05593	0.00283
3243_RPA3260_CDS;_3	0.24379	-0.01219	-0.07080	0.07347
3244_RPA3261_hmrR;_	0.17275	0.13262	-0.04141	0.02268
3245_RPA3262_CDS;_3	-0.01978	0.04130	0.10756	0.05699
3246_RPA3263_phnB;_	-0.07667	0.09286	-0.05300	-0.03187
3247_RPA3264_CDS;_3	-0.10115	-0.04050	0.30798	-0.22838
3248_RPA3265_CDS;_3	-0.22473	-0.02148	-0.00280	-0.07869
3249_RPA3266_CDS;_3	-0.26491	0.02208	-0.05500	0.05244
3250_RPA3267_rpoC;_	-0.26918	0.07660	-0.18716	-0.10658
3251_RPA3268_rpoB;_	-0.27465	0.08413	-0.19073	-0.09358
3252_RPA3269_rplL;_	-0.25357	0.04660	-0.29697	-0.10016
3253_RPA3270_rplJ;_	0.17247	0.16647	-0.31963	0.13745

3254_RPA3271_CDS;__3	-0.09325	0.06626	0.07839	-0.03524
3255_RPA3272_rplA;__	-0.29908	0.09831	-0.16382	-0.02916
3256_RPA3273_rplK;__	-0.05180	0.14211	-0.26486	-0.06023
3257_RPA3274_nusG;__	-0.36589	0.01976	-0.27107	-0.10501
3258_RPA3275_secE;__	0.06400	-0.03536	0.07280	0.01092
3259_RPA3276_CDS;__3	0.27839	-0.03646	0.18493	0.11377
3260_RPA3277_exbD;__	0.46335	0.13256	0.17077	-0.19992
3261_RPA3278_exbB;__	0.22051	-0.27742	-0.06328	0.02013
3262_RPA3279_pigA;__	0.28404	-0.03560	0.19604	-0.14032
3263_RPA3280_hasR;__	0.18920	-0.02930	0.00294	-0.07178
3264_RPA3281_CDS;__3	0.30174	0.02531	-0.01919	0.05503
3265_RPA3282_CDS;__3	0.23478	0.08823	0.07677	-0.04421
3266_RPA3283_tuf,_EF	-0.31872	0.07231	-0.26348	-0.18013
3267_RPA3284_CDS;__3	-0.14846	-0.19717	-0.11572	0.04104
3268_RPA3285_CDS;__3	-0.21300	0.07690	-0.07305	-0.06890
3269_RPA3286_CDS;__3	-0.11035	0.06135	0.08579	0.06026
3270_RPA3287_CDS;__3	-0.22731	0.09086	-0.06388	0.05212
3271_RPA3288_CDS;__3	-0.15933	0.06827	0.01421	0.07163
3272_RPA3289_CDS;__3	-0.33959	0.08840	-0.18500	-0.02674
3273_RPA3290_CDS;__3	-0.20044	0.04343	0.08780	-0.14646
3274_RPA3291_CDS;__3	-0.08255	-0.18483	0.17550	0.01386
3275_RPA3292_CDS;__3	-0.16679	-0.02996	-0.02625	-0.03340
3276_RPA3293_CDS;__3	-0.25876	0.04943	0.03072	-0.03659
3277_RPA3294_CDS;__3	-0.26361	0.01638	0.01309	-0.02290
3278_RPA3295_CDS;__3	-0.20239	0.10077	-0.12225	0.05797
3279_RPA3296_CDS;__3	-0.15762	0.01793	0.04601	-0.00967
3280_RPA3297_CDS;__3	-0.18621	0.16460	-0.23787	0.04888
3281_RPA3298_CDS;__3	-0.00036	-0.15810	0.12416	-0.06907
3282_RPA3299_CDS;__3	-0.16905	0.04688	0.03618	-0.02283
3283_RPA3300_CDS;__3	0.02126	0.05313	0.10356	0.09340
3284_RPA3301_CDS;__3	-0.19259	0.02379	-0.05241	0.06955
3285_RPA3302_CDS;__3	0.07694	-0.42403	-0.03675	0.22215
3286_RPA3303_CDS;__3	-0.11360	0.07679	0.00722	0.05023
3287_RPA3304_fabG;__	-0.22472	0.05154	0.01588	0.02624
3288_RPA3305_paaG;__	-0.11157	0.14758	-0.04787	-0.08569
3289_RPA3306_nirK;__	0.16659	0.19072	-0.14731	-0.00014
3290_RPA3307_xth;__3	-0.02595	-0.03327	0.36924	-0.07574
3291_RPA3308_CDS;__3	-0.08249	0.11072	-0.11642	-0.09714
3292_RPA3309_CDS;__3	-0.02857	-0.42398	-0.26014	-0.12850
3293_RPA3310_katE;__	-0.07802	-0.10037	-0.07007	-0.03003
3294_RPA3311_CDS;__3	-0.08871	0.01562	0.00827	0.03889
3295_RPA3312_CDS;__3	-0.22381	-0.03060	0.02021	0.07573
3296_RPA3313_CDS;__3	-0.18470	0.10454	-0.05921	0.04957
3297_RPA3314_degP;__	-0.00618	-0.04705	0.10141	-0.02821
3298_RPA3315_CDS;__3	-0.17914	0.02677	0.10485	0.06216
3299_RPA3316_CDS;__3	0.25683	0.14654	-0.00170	0.13543
3300_RPA3317_CDS;__3	0.45310	-0.09157	-0.10315	-0.15497
3301_RPA3318_CDS;__3	0.45396	-0.04685	0.01601	0.23713
3302_RPA3319_CDS;__3	0.52116	-0.05354	0.04044	-0.03752
3303_RPA3320_CDS;__3	0.47896	-0.00671	-0.07463	0.08979
3304_RPA3321_algC;__	-0.22240	0.06240	-0.03123	-0.04033
3305_RPA3322_manC,_c	-0.04355	-0.13930	-0.08837	0.04319
3306_RPA3323_CDS;__3	0.07972	0.05974	0.08243	0.06318
3307_RPA3324_CDS;__3	0.14427	0.03737	0.17524	0.12360
3308_RPA3325_CDS;__3	0.96179	-0.36710	0.02121	0.06735
3309_RPA3326_CDS;__3	0.30840	-0.00676	0.07739	-0.08792
3310_RPA3327_CDS;__3	0.95971	-0.28845	-0.29191	0.22382

3311_RPA3328_CDS ; __3	0.26998	0.04391	-0.05730	0.03833
3312_RPA3329_CDS ; __3	-0.14199	0.04384	-0.26672	-0.17014
3313_RPA3330_CDS ; __3	0.76958	0.02833	0.19327	0.31824
3314_RPA3331_CDS ; __3	0.78521	0.29744	-0.01744	0.19573
3315_RPA3332_CDS ; __3	0.14269	-0.06088	0.23726	0.11019
3316_RPA3333_csgG ; __3	0.17184	-0.13777	-0.16857	0.04945
3317_RPA3334_CDS ; __3	0.40846	0.29270	-0.13930	0.18570
3318_RPA3335_CDS ; __3	0.40089	0.04650	0.06088	0.01215
3319_RPA3336_CDS ; __3	0.18532	0.07010	0.14832	-0.15680
3320_RPA3337_CDS ; __3	0.37666	0.12058	0.08049	-0.09964
3321_RPA3338_CDS ; __3	0.30655	-0.03893	0.08422	0.05505
3322_RPA3339_mcyE ; __3	0.40579	-0.03442	-0.02600	-0.00416
3323_RPA3340_CDS ; __3	0.42466	0.01263	0.01883	-0.07181
3324_RPA3341_CDS ; __3	0.48553	-0.01328	-0.09022	0.08242
3325_RPA3342_CDS ; __3	0.33827	0.12128	0.01381	-0.02701
3326_RPA3343_mtfB ; __3	0.54209	0.21483	0.01253	0.03225
3327_RPA3344_CDS ; __3	0.46609	-0.03665	-0.03387	-0.05269
3328_RPA3345_CDS ; __3	0.55304	-0.02587	-0.02305	0.17126
3329_RPA3346_CDS ; __3	0.48588	0.04958	-0.04447	0.09034
3330_RPA3347_CDS ; __3	0.26535	-0.05001	-0.10633	0.06755
3331_RPA3348_CDS ; __3	0.38266	-0.20205	0.10318	0.10449
3332_RPA3349_CDS ; __3	0.54686	0.03943	0.10903	0.16965
3333_RPA3350_CDS ; __3	0.29122	-0.10095	-0.20296	-0.01588
3334_RPA3351_CDS ; __3	0.32080	0.10852	0.06983	0.08963
3335_RPA3352_CDS ; __3	0.29180	-0.01822	0.05619	0.15404
3336_RPA3353_CDS ; __3	0.42430	-0.00392	-0.01123	0.03936
3337_RPA3354_CDS ; __3	0.66080	0.21767	-0.10486	0.11790
3338_RPA3355_CDS ; __3	0.29125	0.16163	-0.06634	0.06100
3339_RPA3356_CDS ; __3	0.43642	0.19189	-0.10293	0.15447
3340_RPA3357_CDS ; __3	0.75325	0.25452	-0.09918	0.12452
3341_RPA3358_CDS ; __3	0.40662	-0.00379	0.01170	0.15500
3342_RPA3359_CDS ; __3	0.45555	-0.26566	-0.05285	0.06131
3343_RPA3360_pssN ; __3	0.41562	-0.42671	-0.17637	-0.02141
3344_RPA3361_CDS ; __3	0.87390	0.44177	-0.20536	0.64262
3345_RPA3362_CDS ; __3	0.46605	-0.12886	-0.10857	-0.28703
3346_RPA3363_CDS ; __3	0.38376	-0.16827	0.00277	-0.00332
3347_RPA3364_rrm ; __3	-0.13569	0.10417	0.02142	0.12140
3348_RPA3365_CDS ; __3	-0.23249	0.05945	-0.03668	0.01015
3349_RPA3366_CDS ; __3	0.01236	-0.02469	0.06087	0.02022
3350_RPA3367_CDS ; __3	0.05515	0.00361	0.06839	0.10441
3351_RPA3368_CDS ; __3	0.13205	0.05688	0.06901	0.05039
3352_RPA3369_CDS ; __3	0.14591	-0.10552	0.16342	0.19903
3353_RPA3370_CDS ; __3	0.46958	-0.05188	0.04412	-0.16398
3354_RPA3371_CDS ; __3	-0.15060	0.05261	-0.12919	-0.06986
3355_RPA3372_CDS ; __3	-0.08230	-0.12102	0.01761	0.00096
3356_RPA3373_CDS ; __3	-0.30524	0.12331	-0.47779	-0.05201
3357_RPA3374_CDS ; __3	-0.03843	-0.21241	0.00198	0.04521
3358_RPA3375_CDS ; __3	0.38286	0.13692	0.07611	0.21002
3359_RPA3376_CDS ; __3	0.47229	0.09324	-0.05101	-0.10500
3360_RPA3377_CDS ; __3	-0.20097	-0.04305	0.09248	0.05201
3361_RPA3378_CDS ; __3	-0.09531	0.14286	-0.13818	-0.11890
3362_RPA3379_CDS ; __3	-0.17893	-0.00959	0.10434	0.05769
3363_RPA3380_cheY3 ; __3	-0.35465	0.02809	0.02291	0.02153
3364_RPA3381_CDS ; __3	-0.20967	0.11290	-0.02775	0.04640
3365_RPA3382_CDS ; __3	-0.14956	0.09138	-0.05178	-0.02174
3366_RPA3383_CDS ; __3	-0.11469	0.03345	-0.17695	0.01248
3367_RPA3384_CDS ; __3	-0.16601	0.10059	-0.04827	0.10794

3368_RPA3385_nrtC;_3	-0.19150	0.02653	0.05310	-0.01203
3369_RPA3386_CDS;_3	-0.16896	0.07251	-0.01673	-0.00092
3370_RPA3387_CDS;_3	-0.08923	0.02318	0.19650	0.04685
3371_RPA3388_CDS;_3	-0.15892	-0.00547	-0.07247	-0.00634
3372_RPA3389_CDS;_3	0.05998	0.05077	-0.01209	0.08419
3373_RPA3390_his3;_3	-0.17149	0.14784	-0.20768	0.02856
3374_RPA3391_gch1;_3	-0.29039	0.03949	0.03363	0.05187
3375_RPA3392_CDS;_3	-0.21371	0.07953	-0.05144	0.00270
3376_RPA3393_CDS;_3	-0.03081	-0.13037	-0.03744	-0.07404
3377_RPA3394_CDS;_3	0.26965	-0.02557	0.03976	-0.04625
3378_RPA3395_CDS;_3	0.00764	0.01406	0.03504	-0.15665
3379_RPA3396_CDS;_3	0.23128	0.04116	0.06289	-0.00398
3380_RPA3397_CDS;_3	0.58111	0.10716	-0.01234	0.01744
3381_RPA3398_CDS;_3	-0.12406	0.04010	0.00067	-0.17685
3382_RPA3399_cspA;_3	0.25606	0.19019	-0.11027	0.32577
3383_RPA3400_CDS;_3	0.27624	0.06742	0.15379	-0.22472
3384_RPA3401_CDS;_3	0.22652	0.13517	-0.14073	0.13634
3385_RPA3402_CDS;_3	-0.09137	-0.16043	0.25230	0.06876
3386_RPA3403_CDS;_3	0.10193	0.05791	0.14247	-0.17972
3387_RPA3404_CDS;_3	-0.08343	0.03424	0.08965	0.08234
3388_RPA3405_CDS;_3	-0.14052	0.01731	0.10906	0.03573
3389_RPA3406_thrs;_3	-0.32032	0.06949	-0.06684	0.00160
3390_RPA3407_CDS;_3	-0.01402	0.03855	-0.01312	0.09602
3391_RPA3408_CDS;_3	-0.19102	0.03155	0.08460	0.08748
3392_RPA3409_CDS;_3	-0.06363	0.02406	0.16746	0.04137
3393_RPA3410_CDS;_3	-0.12829	0.02159	0.14977	-0.00715
3394_RPA3411_CDS;_3	0.02788	0.08138	0.06673	0.05988
3395_RPA3412_CDS;_3	-0.07859	-0.01731	0.05569	0.11928
3396_RPA3413_CDS;_3	0.05727	0.00755	0.15421	-0.05865
3397_RPA3414_CDS;_3	0.00028	-0.46898	-0.14689	0.01968
3398_RPA3415_CDS;_3	0.05769	0.06828	0.09707	0.06712
3399_RPA3416_CDS;_3	-0.25385	0.06102	-0.08153	0.02458
3400_RPA3417_CDS;_3	-0.05795	-0.07584	0.11798	-0.12467
3401_RPA3418_CDS;_3	-0.00053	0.04298	0.18468	0.09788
3402_RPA3419_CDS;_3	0.15333	0.09119	-0.00950	-0.05549
3403_RPA3420_CDS;_3	0.04285	0.10394	-0.02915	0.02870
3404_RPA3421_CDS;_3	0.01474	-0.09617	-0.01315	0.05635
3405_RPA3422_CDS;_3	0.19621	-0.05089	0.14339	0.01604
3406_RPA3423_CDS;_3	-0.12512	0.12161	-0.23143	-0.15168
3407_RPA3424_CDS;_3	0.03234	0.02102	0.08314	-0.35212
3408_RPA3425_CDS;_3	0.08806	0.13839	-0.10738	-0.15685
3409_RPA3426_CDS;_3	0.36475	0.12705	-0.21329	-0.49492
3410_RPA3427_CDS;_3	0.25984	0.05370	0.10878	0.04890
3411_RPA3428_CDS;_3	0.07467	0.13979	-0.31826	0.10833
3412_RPA3429_cysE;_3	-0.02666	0.05292	0.04201	-0.11287
3413_RPA3430_CDS;_3	0.06265	-0.44414	-0.22136	0.04996
3414_RPA3431_CDS;_3	0.20298	0.11742	0.01047	-0.14982
3415_RPA3432_CDS;_3	-0.05480	0.06985	-0.14780	-0.07006
3416_RPA3433_CDS;_3	0.00562	0.07177	0.07887	-0.09646
3417_RPA3434_CDS;_3	0.05913	-0.20503	-0.17663	-0.00874
3418_RPA3435_CDS;_3	-0.16738	-0.49246	-0.13647	0.07331
3419_RPA3436_CDS;_3	0.03600	0.01277	0.00997	-0.11658
3420_RPA3437_CDS;_3	0.41497	0.07208	-0.04312	0.01269
3421_RPA3438_CDS;_3	0.99299	0.24485	0.01164	-0.02839
3422_RPA3439_CDS;_3	-0.18954	0.04499	0.12879	0.00972
3423_RPA3440_CDS;_3	-0.16984	0.04252	0.07317	0.00184
3424_RPA3441_CDS;_3	-0.21860	0.08027	-0.05291	-0.06579

3425_RPA3442_CDS;_3	-0.10278	0.05620	0.08842	-0.04292
3426_RPA3443_CDS;_3	-0.13493	0.03977	0.05188	0.03758
3427_RPA3444_CDS;_3	-0.03814	0.03862	0.15428	0.06102
3428_RPA3445_CDS;_3	-0.15766	0.05703	0.07126	0.02274
3429_RPA3446_CDS;_3	-0.16522	0.05179	-0.04125	-0.06975
3430_RPA3447_CDS;_3	-0.01490	-0.22974	0.05197	0.04804
3431_RPA3448_CDS;_3	-0.14019	-0.03579	-0.04511	0.02281
3432_RPA3449_CDS;_3	0.45912	0.12073	0.21113	0.28050
3433_RPA3450_CDS;_3	-0.28137	-0.01413	-0.18440	-0.00888
3434_RPA3451_CDS;_3	-0.13948	0.00287	0.16118	0.04984
3435_RPA3452_CDS;_3	0.03858	-0.48028	-0.11592	0.07876
3436_RPA3453_CDS;_3	-0.11573	0.02933	0.11371	-0.06252
3437_RPA3454_CDS;_3	-0.29303	0.02043	0.08164	0.03879
3438_RPA3455_CDS;_3	-0.17788	-0.12609	-0.01350	-0.10755
3439_RPA3457_CDS;_3	-0.05975	0.14868	-0.12480	0.06763
3440_RPA3458_CDS;_3	-0.15429	0.11521	-0.11601	-0.00974
3441_RPA3459_CDS;_3	-0.17836	0.02049	-0.00615	0.02366
3442_RPA3460_CDS;_3	0.00583	0.05333	0.07741	0.05667
3443_RPA3461_CDS;_3	-0.02333	-0.01175	0.26897	0.02583
3444_RPA3462_CDS;_3	-0.02723	-0.02259	0.05336	0.06436
3445_RPA3463_CDS;_3	-0.08839	-0.11022	0.13999	0.05419
3446_RPA3464_CDS;_3	0.01913	-0.14829	0.12412	-0.02965
3447_RPA3465_CDS;_3	-0.14150	0.03271	0.09130	-0.08642
3448_RPA3466_CDS;_3	-0.19535	0.08850	-0.12897	-0.04409
3449_RPA3467_CDS;_3	-0.12785	0.06489	-0.01379	0.01827
3450_RPA3468_CDS;_3	-0.20927	0.00187	0.06641	-0.01358
3451_RPA3469_CDS;_3	-0.10257	-0.05455	0.14355	0.11591
3452_RPA3470_CDS;_3	-0.18353	-0.06679	-0.02948	0.06251
3453_RPA3471_CDS;_3	-0.10061	0.04802	0.05961	-0.04429
3454_RPA3472_ilvD;_	-0.22070	0.05196	0.00507	0.03889
3455_RPA3473_ucpA;_	-0.11833	0.08047	-0.10111	-0.00699
3456_RPA3474_fabG;_	-0.28799	0.00145	0.03708	0.01133
3457_RPA3475_CDS;_3	0.13874	0.11885	0.02975	-0.16565
3458_RPA3476_CDS;_3	-0.20917	-0.00699	-0.05124	-0.06773
3459_RPA3477_exbD;_	-0.25317	0.00262	-0.07989	0.03544
3460_RPA3478_exbB;_	-0.24331	-0.00573	-0.09441	-0.08639
3461_RPA3479_CDS;_3	0.11741	-0.45072	-0.19215	0.03611
3462_RPA3480_fiu;_3	-0.22688	-0.01669	-0.10517	-0.07252
3463_RPA3481_CDS;_3	-0.00548	0.03619	0.21967	0.08557
3464_RPA3482_CDS;_3	-0.10352	0.10383	-0.01278	-0.00580
3465_RPA3483_CDS;_3	-0.23065	0.03944	0.04488	-0.00809
3466_RPA3484_CDS;_3	0.60500	-0.06615	-0.21615	0.13617
3467_RPA3485_CDS;_3	-0.14450	-0.10130	-0.03436	0.08692
3468_RPA3486_CDS;_3	-0.07583	0.05425	0.05783	-0.03225
3469_RPA3487_CDS;_3	-0.16138	0.01931	0.15506	-0.11931
3470_RPA3488_CDS;_3	-0.21311	0.09061	-0.04125	-0.02845
3471_RPA3489_CDS;_3	0.24935	0.09253	0.01680	-0.27691
3472_RPA3490_hflC;_	-0.15229	-0.04939	0.03770	-0.10451
3473_RPA3491_hflK;_	-0.15498	0.00321	-0.06114	-0.00304
3474_RPA3492_dyr;_3	0.03201	0.03249	0.09948	0.06217
3475_RPA3493_thyA;_	-0.11195	-0.16100	-0.03137	-0.01968
3476_RPA3494_CDS;_3	0.05311	0.07943	0.01924	-0.02072
3477_RPA3495_CDS;_3	-0.11602	-0.06329	-0.12809	-0.00201
3478_RPA3496_CDS;_3	0.06314	-0.01702	0.36078	-0.05805
3479_RPA3497_CDS;_3	0.09389	-0.57412	0.10107	-0.17999
3480_RPA3498_CDS;_3	-0.03704	0.01448	0.14660	0.06891
3481_RPA3499_CDS;_3	-0.18259	0.01721	-0.08894	0.06524

3482_RPA3500_fumC;__	-0.10346	0.08238	-0.03638	-0.05260
3483_RPA3501_CDS;__3	0.01980	0.01468	-0.00869	-0.08902
3484_RPA3502_CDS;__3	0.05979	-0.02909	0.10008	-0.01030
3485_RPA3503_CDS;__3	-0.20416	-0.06501	-0.00184	0.03787
3486_RPA3504_CDS;__3	0.00042	0.00193	-0.11205	-0.08077
3487_RPA3505_CDS;__3	0.37648	-0.05941	0.24575	-0.55272
3488_RPA3506_uvrD;__	-0.21553	0.06863	-0.00094	0.01964
3489_RPA3507_CDS;__3	0.08999	-0.02517	0.12585	-0.25613
3490_RPA3508_CDS;__3	-0.29097	0.05575	0.05686	0.06161
3491_RPA3509_CDS;__3	-0.21329	0.00207	0.18057	0.10370
3492_RPA3510_CDS;__3	-0.08160	0.08896	-0.05004	-0.02897
3493_RPA3511_CDS;__3	-0.12946	0.09979	-0.11680	-0.12169
3494_RPA3512_CDS;__3	-0.18874	0.00763	0.12907	0.08018
3495_RPA3513_CDS;__3	-0.03810	-0.02357	0.05275	0.04805
3496_RPA3514_CDS;__3	-0.21327	0.01454	0.15777	0.01819
3497_RPA3515_CDS;__3	-0.19908	0.07483	0.02064	0.06258
3498_RPA3516_CDS;__3	-0.13587	-0.04271	0.09872	0.06050
3499_RPA3517_ligA;__	-0.23534	0.02101	0.05382	0.02679
3500_RPA3518_CDS;__3	0.04335	-0.06782	0.19732	0.09473
3501_RPA3519_recN;__	-0.23595	-0.00312	-0.11483	-0.00769
3502_RPA3520_CDS;__3	-0.07680	0.09678	-0.05278	0.02184
3503_RPA3521_lpxC;__	0.00998	0.14965	-0.14129	-0.00837
3504_RPA3522_ftsZ;__	-0.16722	0.09689	-0.12441	-0.07795
3505_RPA3523_ftsA;__	-0.06825	0.06395	0.01391	0.00653
3506_RPA3524_ftsQ;__	-0.12068	-0.00815	-0.07913	-0.10837
3507_RPA3525_dd1A;__	-0.18333	0.02762	0.05958	-0.04678
3508_RPA3526_CDS;__3	-0.00219	-0.24830	0.09182	0.03566
3509_RPA3527_CDS;__3	0.11577	-0.18625	-0.04061	0.10634
3510_RPA3528_murB;__	-0.05939	-0.15093	0.06119	-0.18126
3511_RPA3529_murC;__	-0.21001	0.08626	-0.02048	0.04581
3512_RPA3530_murG;__	-0.08033	0.04739	0.09719	0.07659
3513_RPA3531_ftsW;__	-0.18400	0.01887	0.07548	-0.00775
3514_RPA3532_murD;__	-0.20310	0.04055	-0.00666	-0.03246
3515_RPA3533_mraY;__	-0.21284	-0.21944	-0.15285	-0.04543
3516_RPA3534_murF;__	-0.07762	-0.05335	0.01090	0.04756
3517_RPA3535_murE;__	0.00405	-0.49372	-0.03524	-0.04914
3518_RPA3536_CDS;__4	-0.21855	-0.02206	-0.07649	-0.00210
3519_RPA3537_CDS;__4	-0.22942	-0.07594	0.08158	0.00519
3520_RPA3538_CDS;__4	-0.07321	0.02608	0.17454	0.09163
3521_RPA3539_CDS;__4	-0.18841	0.07582	-0.02793	0.08173
3522_RPA3540_CDS;__4	0.49417	0.14385	-0.08545	-0.20291
3523_RPA3541_CDS;__4	0.61375	0.18390	-0.37635	-0.11114
3524_RPA3542_emrB;__	-0.21231	0.05483	0.00217	0.03669
3525_RPA3543_CDS;__4	-0.21353	0.00089	-0.03853	0.06076
3526_RPA3544_CDS;__4	-0.02215	-0.08559	0.08589	0.10413
3527_RPA3545_CDS;__4	0.04635	-0.08561	-0.17396	-0.02433
3528_RPA3546_CDS;__4	-0.04679	-0.49044	-0.10211	0.02523
3529_RPA3547_CDS;__4	1.13715	0.06392	0.45269	-1.70618
3530_RPA3548_CDS;__4	0.03918	0.00081	0.06658	-0.01955
3531_RPA3549_CDS;__4	-0.16307	0.01735	0.13357	0.07238
3532_RPA3550_CDS;__4	-0.17665	0.06846	0.08307	0.03286
3533_RPA3551_CDS;__4	-0.12250	0.02818	0.20307	-0.18916
3534_RPA3552_CDS;__4	-0.11038	-0.49473	-0.06904	0.04322
3535_RPA3553_CDS;__4	-0.08746	0.01408	0.16380	0.10754
3536_RPA3554_arsC;__	-0.05038	-0.00479	0.33677	-0.18809
3537_RPA3555_arsC;__	-0.21489	0.05168	0.06651	0.02300
3538_RPA3556_CDS;__4	-0.03737	-0.17086	0.05371	-0.16805

3539_RPA3557_CDS;__4	-0.24304	-0.00574	0.16102	0.02042
3540_RPA3558_CDS;__4	-0.13440	-0.01122	0.17989	-0.02768
3541_RPA3559_arsR;__	0.17470	-0.28975	-0.17440	-0.04665
3542_RPA3560_CDS;__4	0.14666	0.02432	0.07503	0.06434
3543_RPA3561_CDS;__4	-0.17901	0.13464	-0.06653	0.18285
3544_RPA3562_CDS;__4	-0.24176	-0.02552	-0.03221	-0.00746
3545_RPA3563_CDS;__4	0.56394	0.06999	-0.38838	-0.10110
3546_RPA3564_CDS;__4	-0.26431	-0.09410	0.00621	-0.00619
3547_RPA3565_CDS;__4	-0.10999	0.14624	-0.23713	-0.04434
3548_RPA3566_CDS;__4	-0.00076	-0.05591	0.12197	0.13092
3549_RPA3567_CDS;__4	-0.21993	0.03056	0.06336	0.05363
3550_RPA3568_CDS;__4	-0.17415	0.05651	-0.33313	-0.17403
3551_RPA3569_CDS;__4	-0.09050	0.02048	-0.09627	-0.00922
3552_RPA3570_CDS;__4	-0.18593	0.01408	0.18410	0.04198
3553_RPA3571_CDS;__4	-0.15147	-0.07597	0.18786	-0.01108
3554_RPA3572_CDS;__4	-0.01886	-0.19713	0.05426	0.02113
3555_RPA3573_thiO;__	-0.29614	0.02254	0.06863	0.01202
3556_RPA3574_thiG;__	-0.09333	0.12715	0.00495	0.17401
3557_RPA3575_thiG;__	-0.14400	0.04813	0.07257	0.00888
3558_RPA3576_thiE;__	-0.20769	-0.02736	0.01178	-0.03116
3559_RPA3577_thiC;__	-0.23674	0.08735	-0.04799	0.03821
3560_RPA3578_CDS;__4	1.08951	0.37214	-0.29046	0.26266
3561_RPA3579_CDS;__4	0.16928	0.06371	0.11278	0.07407
3562_RPA3580_CDS;__4	0.21291	0.04171	0.05903	0.13220
3563_RPA3581_CDS;__4	0.20749	-0.04976	0.56994	-1.24602
3564_RPA3582_CDS;__4	0.20074	0.06650	0.11532	-0.03601
3565_RPA3583_CDS;__4	0.25459	0.02286	-0.00251	-0.00947
3566_RPA3584_CDS;__4	0.16885	-0.10035	-0.00850	0.17153
3567_RPA3585_CDS;__4	-0.01978	-0.01870	0.03859	-0.04013
3568_RPA3586_CDS;__4	0.05315	-0.00208	0.22833	0.11232
3569_RPA3587_CDS;__4	-0.02747	-0.22532	0.03078	0.10603
3570_RPA3588_CDS;__4	-0.13684	0.08464	-0.03266	0.06836
3571_RPA3589_CDS;__4	-0.00321	0.02637	0.19637	-0.20951
3572_RPA3590_CDS;__4	-0.09230	-0.02714	-0.00166	0.05726
3573_RPA3591_CDS;__4	-0.35925	0.08301	-0.09668	0.08883
3574_RPA3592_CDS;__4	-0.13753	0.03955	0.10661	0.00624
3575_RPA3593_CDS;__4	-0.06708	0.06753	-0.23973	-0.01806
3576_RPA3594_CDS;__4	-0.03103	0.03273	-0.00436	-0.04709
3577_RPA3595_CDS;__4	-0.06531	-0.01368	0.06516	0.12822
3578_RPA3596_CDS;__4	-0.02533	-0.01135	0.00159	-0.06620
3579_RPA3597_CDS;__4	-0.04820	0.04298	0.10260	-0.03284
3580_RPA3598_CDS;__4	-0.06267	0.02801	-0.08913	-0.06605
3581_RPA3599_CDS;__4	0.15231	0.03810	0.22367	0.06907
3582_RPA3600_bfr;__4	-0.29356	0.06392	0.00502	0.02312
3583_RPA3601_CDS;__4	-0.00984	0.12823	-0.00108	0.17078
3584_RPA3602_CDS;__4	-0.12933	0.07119	-0.08711	-0.04083
3585_RPA3603_CDS;__4	0.43460	-0.19263	-0.08093	-0.11724
3586_RPA3604_CDS;__4	-0.19656	-0.07016	0.12097	0.06799
3587_RPA3605_CDS;__4	-0.05707	0.02104	0.19842	0.14908
3588_RPA3606_CDS;__4	0.65439	-0.38144	-0.16897	-0.11728
3589_RPA3607_CDS;__4	0.35214	0.07503	0.02530	0.20003
3590_RPA3608_CDS;__4	0.39848	0.09747	-0.06861	0.10321
3591_RPA3609_CDS;__4	-0.27549	0.07418	-0.09496	-0.02540
3592_RPA3610_CDS;__4	-0.13594	-0.06214	0.28423	0.08787
3593_RPA3611_CDS;__4	-0.18144	0.06712	-0.10562	-0.05887
3594_RPA3612_CDS;__4	0.21524	0.03711	-0.02881	0.09099
3595_RPA3613_CDS;__4	-0.05494	0.03733	0.10924	-0.03539

3596_RPA3614_CDS;__4	-0.13679	0.07783	-0.07824	0.01541
3597_RPA3615_CDS;__4	-0.20915	0.03977	0.04087	0.03105
3598_RPA3616_CDS;__4	0.06978	-0.04496	0.06459	-0.06399
3599_RPA3617_CDS;__4	0.18291	0.25357	-0.36391	0.47581
3600_RPA3618_CDS;__4	-0.23450	0.08105	-0.00009	0.08804
3601_RPA3619_vanA;__4	-0.21003	-0.01756	-0.05339	0.00581
3602_RPA3620_vanR;__4	-0.12103	0.03585	0.07156	0.11443
3603_RPA3621_vanB;__4	-0.05098	0.07485	0.05888	-0.01355
3604_RPA3622_CDS;__4	-0.17565	-0.29191	-0.00389	0.01299
3605_RPA3623_CDS;__4	0.07648	-0.16304	-0.10543	0.14587
3606_RPA3624_CDS;__4	-0.19108	0.05092	-0.02700	-0.00322
3607_RPA3625_CDS;__4	0.02531	0.04879	-0.07084	-0.07293
3608_RPA3626_CDS;__4	-0.14593	0.12696	-0.12739	-0.02320
3609_RPA3627_CDS;__4	-0.06893	-0.19070	0.07236	0.04191
3610_RPA3628_CDS;__4	-0.14233	-0.04745	-0.00816	0.02907
3611_RPA3629_CDS;__4	-0.04609	-0.06732	0.28725	-0.23992
3612_RPA3630_CDS;__4	-0.01455	0.10041	-0.01382	0.09569
3613_RPA3631_CDS;__4	-0.07743	0.01448	-0.02549	0.07917
3614_RPA3632_CDS;__4	-0.05836	0.05375	0.11646	0.09880
3615_RPA3633_CDS;__4	0.00814	0.00179	-0.00713	0.00374
3616_RPA3634_tal;__4	-0.14531	0.07695	0.00228	0.06346
3617_RPA3635_gnd;__4	-0.11129	0.08583	0.01788	0.10145
3618_RPA3636_zwf;__4	-0.18419	0.06504	0.04934	0.07192
3619_RPA3637_pgl;__4	0.02405	0.06961	0.11203	0.12209
3620_RPA3638_CDS;__4	-0.07465	0.07232	0.03779	0.08488
3621_RPA3639_cof;__4	-0.13670	0.07997	0.05769	-0.03745
3622_RPA3640_CDS;__4	-0.19104	-0.03881	0.10124	-0.00704
3623_RPA3641_ma1Q;__4	-0.03353	-0.14944	0.06385	0.07493
3624_RPA3642_CDS;__4	0.10792	-0.10570	-0.04194	-0.06870
3625_RPA3643_CDS;__4	-0.11974	-0.07403	-0.00516	0.06593
3626_RPA3644_glgB;__4	-0.07084	-0.20554	-0.07172	0.04693
3627_RPA3645_glgX;__4	-0.12542	0.08687	-0.02391	0.04721
3628_RPA3646_CDS;__4	-0.06171	0.05657	0.07595	-0.03768
3629_RPA3647_CDS;__4	-0.06885	-0.00210	0.01188	0.03914
3630_RPA3648_CDS;__4	0.66564	0.07353	0.02933	0.18448
3631_RPA3649_CDS;__4	0.49127	0.07808	-0.33783	0.13563
3632_RPA3650_CDS;__4	0.03188	-0.11187	-0.02594	-0.02191
3633_RPA3651_CDS;__4	-0.22432	0.09766	-0.01514	0.10156
3634_RPA3652_CDS;__4	0.20366	0.01290	0.10748	0.11262
3635_RPA3653_CDS;__4	-0.01147	-0.12170	0.03351	-0.38517
3636_RPA3654_CDS;__4	-0.00118	0.11494	0.05146	-0.33790
3637_RPA3655_CDS;__4	-0.12108	-0.01633	0.12144	0.06885
3638_RPA3656_CDS;__4	0.04356	-0.06950	0.05462	-0.12323
3639_RPA3657_fadD;__4	-0.20068	0.03907	0.05494	0.01730
3640_RPA3658_ureF;__4	-0.09545	0.07295	0.06166	0.10667
3641_RPA3659_CDS;__4	0.00209	0.16331	-0.00312	0.11476
3642_RPA3660_ureC;__4	-0.17475	-0.01872	-0.03267	-0.10277
3643_RPA3661_CDS;__4	-0.15780	0.02658	0.11363	0.04442
3644_RPA3662_ureB;__4	-0.09185	-0.04177	0.05214	0.04813
3645_RPA3663_ureA;__4	-0.18876	0.11233	-0.07838	0.06951
3646_RPA3664_ureD;__4	0.25811	-0.16036	0.23880	-0.18434
3647_RPA3665_CDS;__4	-0.14019	0.00827	0.09888	0.01306
3648_RPA3666_CDS;__4	-0.19955	0.00885	0.19636	-0.03045
3649_RPA3667_CDS;__4	-0.11525	-0.09568	-0.05394	-0.04903
3650_RPA3668_CDS;__4	-0.16131	0.04646	0.01329	-0.00893
3651_RPA3669_CDS;__4	-0.29163	0.08202	-0.13818	-0.02038
3652_RPA3670_CDS;__4	-0.10969	0.10790	-0.09670	0.04074

3653_RPA3671_infA;__	0.24574	-0.04027	0.28247	-0.62411
3654_RPA3672_cspA;__	0.05050	0.09294	-0.23200	-0.08556
3655_RPA3673_CDS;__4	0.35571	-0.18779	0.06020	-0.29838
3656_RPA3674_CDS;__4	0.37095	-0.14847	-0.09227	-0.17821
3657_RPA3675_CDS;__4	-0.12170	0.15880	-0.70332	-0.39256
3658_RPA3676_CDS;__4	0.05437	-0.18521	-0.14437	-0.01640
3659_RPA3677_CDS;__4	0.15510	0.12243	-0.26605	0.03941
3660_RPA3678_CDS;__4	-0.09342	0.11144	-0.08401	0.03872
3661_RPA3679_CDS;__4	0.03761	0.09076	-0.00228	0.02039
3662_RPA3680_CDS;__4	0.01074	-0.02069	0.01438	-0.11896
3663_RPA3681_CDS;__4	0.06943	0.02464	-0.20207	-0.01790
3664_RPA3682_CDS;__4	0.05424	0.06673	-0.05674	-0.06019
3665_RPA3683_CDS;__4	-0.02858	-0.09531	-0.07285	-0.00551
3666_RPA3684_CDS;__4	0.05662	-0.17021	-0.17965	-0.12637
3667_RPA3685_CDS;__4	-0.09465	-0.12138	0.02794	0.00561
3668_RPA3686_CDS;__4	0.05888	0.06570	0.18919	-0.04127
3669_RPA3687_CDS;__4	0.14305	-0.49236	-0.08035	-0.10295
3670_RPA3688_CDS;__4	-0.02072	0.05732	0.02772	-0.03645
3671_RPA3689_CDS;__4	-0.02483	-0.20511	-0.06906	-0.06659
3672_RPA3690_CDS;__4	-0.08291	0.08385	0.00073	0.09073
3673_RPA3691_CDS;__4	0.00126	0.08131	-0.03000	-0.06907
3674_RPA3692_CDS;__4	-0.05937	-0.00805	-0.04938	0.00305
3675_RPA3693_CDS;__4	0.01748	0.12833	-0.07887	0.09269
3676_RPA3694_kdsB;__	0.05098	0.03289	-0.08642	0.10141
3677_RPA3695_CDS;__4	-0.19023	0.08818	-0.02994	0.03604
3678_RPA3696_CDS;__4	0.21852	0.02366	-0.00618	0.05873
3679_RPA3697_emrA;__	0.16171	-0.16119	-0.00396	-0.00546
3680_RPA3698_emrB;__	0.10749	-0.01949	-0.01402	0.08393
3681_RPA3699_CDS;__4	0.28444	-0.35855	-0.24551	0.17543
3682_RPA3700_CDS;__4	0.10049	0.00879	0.01041	-0.39068
3683_RPA3701_metF;__	-0.18740	-0.21638	0.02783	0.07519
3684_RPA3702_methH;__	-0.22510	-0.02002	-0.08572	-0.02900
3685_RPA3703_CDS;__4	0.64904	0.08172	0.24699	0.14563
3686_RPA3704_CDS;__4	0.29627	0.08517	0.15177	-0.18952
3687_RPA3705_glpK;__	-0.15948	-0.00961	-0.06544	-0.00582
3688_RPA3706_nasT;__	-0.21675	0.03455	0.10190	0.05882
3689_RPA3707_CDS;__4	-0.13491	0.00606	0.22331	0.01247
3690_RPA3708_CDS;__4	-0.16529	-0.07065	0.20209	-0.12027
3691_RPA3709_CDS;__4	-0.19025	-0.14187	0.35876	0.08086
3692_RPA3710_nirA;__	-0.05569	-0.01223	0.00089	0.06618
3693_RPA3711_CDS;__4	-0.12470	-0.03223	0.05454	0.05958
3694_RPA3713_pimD;__	-0.27266	0.10996	-0.14779	-0.01302
3695_RPA3714_pimC;__	-0.28154	0.08509	-0.09780	0.01777
3696_RPA3715_pimB;__	-0.28313	0.08818	-0.13540	-0.03345
3697_RPA3716_pimA;__	-0.12131	0.05269	0.04557	-0.00071
3698_RPA3717_pimF;__	-0.24871	0.09532	-0.14924	-0.15344
3699_RPA3718_CDS;__4	0.33782	-0.12433	-0.05037	0.09164
3700_RPA3719_livG;__	-0.07991	0.11183	-0.10690	-0.00357
3701_RPA3720_livF;__	-0.17822	0.09245	-0.06899	0.04743
3702_RPA3721_CDS;__4	-0.00635	-0.49194	-0.09045	0.01716
3703_RPA3722_livM;__	-0.23702	-0.12520	-0.00395	0.04486
3704_RPA3723_CDS;__4	-0.05498	-0.24829	0.08060	0.10603
3705_RPA3724_livK;__	-0.17221	0.08555	-0.06282	0.00965
3706_RPA3725_livJ;__	-0.06569	0.15852	-0.11526	0.03838
3707_RPA3726_CDS;__4	-0.08707	0.18490	-0.31614	-0.03197
3708_RPA3727_CDS;__4	-0.01907	-0.22683	0.06826	0.01912
3709_RPA3728_CDS;__4	-0.16471	0.06743	0.07276	0.11162

3710_RPA3729_CDS;__4	-0.18332	0.04561	0.07822	0.07385
3711_RPA3730_CDS;__4	-0.18350	-0.05470	-0.01176	0.07403
3712_RPA3731_CDS;__4	0.04353	0.05248	0.19410	0.00144
3713_RPA3732_argD;__4	-0.22294	0.07128	-0.04790	-0.07790
3714_RPA3733_CDS;__4	-0.12966	0.06864	-0.00688	0.01187
3715_RPA3734_lytB;__4	-0.12058	0.05083	0.05634	-0.07698
3716_RPA3735_CDS;__4	-0.27055	0.01167	-0.06888	0.01750
3717_RPA3736_pstS;__4	0.14837	-0.02466	0.07477	-0.04020
3718_RPA3737_CDS;__4	0.04734	-0.04382	-0.00592	-0.01773
3719_RPA3738_CDS;__4	0.14950	-0.15982	0.22052	0.02101
3720_RPA3739_CDS;__4	0.03657	-0.19472	-0.09057	-0.05423
3721_RPA3740_sqhC;__4	-0.08969	0.05034	0.06758	-0.04287
3722_RPA3741_CDS;__4	-0.04160	-0.02589	-0.06537	0.06451
3723_RPA3742_CDS;__4	-0.08709	0.04754	0.03701	-0.15682
3724_RPA3743_CDS;__4	-0.10757	0.04071	0.06437	-0.08693
3725_RPA3744_CDS;__4	-0.12126	0.13098	-0.14183	0.00114
3726_RPA3745_CDS;__4	-0.14556	0.08126	-0.02392	0.04133
3727_RPA3746_CDS;__4	-0.15583	0.03901	0.07385	0.02530
3728_RPA3747_eutC;__4	-0.00151	0.04209	0.10297	-0.06448
3729_RPA3748_CDS;__4	-0.08277	-0.00144	0.04333	-0.02016
3730_RPA3749_eutB;__4	-0.08513	0.03148	0.10187	-0.00892
3731_RPA3750_CDS;__4	-0.06002	-0.01213	-0.04032	-0.02120
3732_RPA3751_CDS;__4	-0.18183	0.00684	0.24037	0.03805
3733_RPA3752_CDS;__4	-0.09237	0.05023	0.09297	-0.04164
3734_RPA3753_CDS;__4	-0.14113	0.03545	0.08698	-0.02212
3735_RPA3754_CDS;__4	-0.08423	0.02501	0.12206	-0.02578
3736_RPA3755_hpcH;__4	-0.21323	0.03932	0.07231	-0.06773
3737_RPA3756_CDS;__4	-0.05571	0.09104	-0.06850	0.01994
3738_RPA3757_CDS;__4	0.01110	-0.01396	0.00747	-0.02177
3739_RPA3758_hpcG;__4	-0.05724	-0.24312	0.05179	-0.19412
3740_RPA3759_hpcD;__4	-0.19018	0.04885	0.02045	0.03008
3741_RPA3760_hpcC;__4	-0.14085	0.05487	0.02220	0.06311
3742_RPA3761_CDS;__4	-0.10167	0.07308	0.04671	0.05833
3743_RPA3762_CDS;__4	-0.12266	-0.33118	-0.00149	0.10110
3744_RPA3763_ilvB;__4	-0.15988	0.05251	0.10013	0.11741
3745_RPA3764_CDS;__4	-0.04412	-0.03352	0.10059	0.01875
3746_RPA3765_paaD;__4	-0.17567	-0.03987	-0.10953	0.03660
3747_RPA3766_paaC;__4	0.00263	0.05003	0.09031	0.02919
3748_RPA3767_paaB;__4	-0.31919	-0.04294	0.00611	0.02512
3749_RPA3768_paaA;__4	-0.14250	-0.02278	-0.00845	0.10300
3750_RPA3769_CDS;__4	-0.17511	0.01570	0.10238	0.05052
3751_RPA3770_CDS;__4	-0.15784	0.04254	-0.29220	-0.28508
3752_RPA3771_CDS;__4	-0.00074	-0.08107	0.20983	0.15757
3753_RPA3772_CDS;__4	-0.19043	-0.05519	0.13876	-0.14061
3754_RPA3773_CDS;__4	0.14593	0.08449	0.12443	0.20628
3755_RPA3774_CDS;__4	-0.05149	-0.14335	0.00962	0.05832
3756_RPA3775_CDS;__4	-0.23389	0.04411	0.03539	-0.01039
3757_RPA3776_CDS;__4	-0.15799	-0.03513	-0.01762	0.01664
3758_RPA3777_CDS;__4	0.06195	-0.11259	0.13500	-0.14098
3759_RPA3778_CDS;__4	-0.13253	0.02431	0.08939	0.02617
3760_RPA3779_CDS;__4	-0.14656	0.06392	0.05445	-0.02317
3761_RPA3780_CDS;__4	-0.04608	0.03748	0.09916	0.08179
3762_RPA3781_yihV;__4	-0.19717	-0.01121	-0.04478	0.02604
3763_RPA3782_CDS;__4	-0.12822	0.04854	0.07379	-0.00350
3764_RPA3783_CDS;__4	-0.03598	0.02292	0.09154	0.00266
3765_RPA3784_CDS;__4	-0.15491	0.08278	0.00371	0.04002
3766_RPA3785_CDS;__4	0.09664	-0.00776	0.06720	-0.22147

3767_RPA3786_CDS;_4	-0.05018	0.07489	-0.23488	-0.01371
3768_RPA3787_CDS;_4	0.09487	0.09759	0.00776	-0.11373
3769_RPA3788_CDS;_4	-0.06381	-0.49502	-0.16383	0.04807
3770_RPA3789_CDS;_4	-0.11207	-0.05243	-0.09543	0.03417
3771_RPA3790_CDS;_4	-0.09606	-0.10736	0.02442	0.01127
3772_RPA3791_CDS;_4	0.04363	0.00610	-0.05825	-0.08909
3773_RPA3792_CDS;_4	0.05562	-0.14303	-0.00645	0.07692
3774_RPA3793_CDS;_4	0.07329	0.06727	0.12338	-0.38863
3775_RPA3794_CDS;_4	0.14155	-0.09244	-0.11054	0.00191
3776_RPA3795_Or7111;	0.12304	0.09673	0.08087	-0.08812
3777_RPA3796_CDS;_4	0.15277	0.06552	0.13921	0.10131
3778_RPA3797_CDS;_4	-0.08423	-0.25268	-0.01237	-0.00517
3779_RPA3798_CDS;_4	-0.03537	-0.50445	-0.04064	-0.04489
3780_RPA3799_CDS;_4	-0.09226	0.05541	0.09683	-0.17893
3781_RPA3800_CDS;_4	-0.15659	0.06023	0.03809	0.02621
3782_RPA3801_CDS;_4	-0.11383	-0.20991	-0.05647	0.09247
3783_RPA3802_CDS;_4	-0.27027	-0.01921	-0.09739	-0.03214
3784_RPA3803_CDS;_4	-0.15601	0.04552	0.03318	0.10520
3785_RPA3804_CDS;_4	-0.13648	0.05362	0.07190	0.10525
3786_RPA3805_CDS;_4	0.02679	-0.01753	0.30332	-0.06589
3787_RPA3806_CDS;_4	-0.31503	0.02002	0.01559	0.00077
3788_RPA3807_CDS;_4	-0.14427	0.06659	-0.01994	0.04690
3789_RPA3808_CDS;_4	-0.15689	0.07829	0.07520	-0.01042
3790_RPA3809_CDS;_4	-0.16772	-0.02422	0.05361	0.06046
3791_RPA3810_CDS;_4	-0.27914	0.08748	-0.14612	-0.01156
3792_RPA3811_CDS;_4	0.11237	0.03169	0.08629	-0.78602
3793_RPA3812_CDS;_4	-0.04283	-0.17256	-0.14954	-0.08270
3794_RPA3813_CDS;_4	-0.08023	-0.03143	0.05121	-0.00835
3795_RPA3814_CDS;_4	-0.16094	-0.05019	0.02833	0.02061
3796_RPA3815_cbbE,_r	-0.20329	0.07309	-0.02442	-0.07905
3797_RPA3816_CDS;_4	0.94896	0.07169	-0.04097	0.08634
3798_RPA3817_purB;	-0.30192	0.05505	-0.05210	0.01597
3799_RPA3818_purL;	-0.24386	0.03330	-0.16383	0.08451
3800_RPA3819_CDS;_4	0.14170	0.09933	-0.28694	-0.03275
3801_RPA3820_CDS;_4	-0.22076	-0.05551	0.07485	0.00191
3802_RPA3821_purC;	-0.25423	0.07244	-0.06658	-0.01700
3803_RPA3822_CDS;_4	-0.25161	0.09952	-0.19574	0.22618
3804_RPA3823_CDS;_4	0.00198	0.08120	0.10173	-0.06573
3805_RPA3824_CDS;_4	0.07349	-0.03275	0.20634	0.14389
3806_RPA3825_CDS;_4	-0.05737	-0.06948	0.16123	-0.01263
3807_RPA3826_CDS;_4	0.36608	0.14929	0.09190	0.13574
3808_RPA3827_CDS;_4	-0.03421	-0.05794	0.26243	0.07830
3809_RPA3828_CDS;_4	0.03613	-0.10560	0.38853	0.10172
3810_RPA3829_CDS;_4	0.03616	0.01698	-0.05318	-0.14984
3811_RPA3830_CDS;_4	0.20712	0.08760	0.09279	-0.02805
3812_RPA3831_CDS;_4	0.09933	0.14995	0.13410	-0.35601
3813_RPA3832_CDS;_4	0.10275	0.05013	-0.04524	-0.00203
3814_RPA3833_rrm;	-0.23109	-0.19711	-0.05509	0.12373
3815_RPA3834_idh;	-0.30376	-0.04981	-0.18772	-0.04370
3816_RPA3835_CDS;_4	0.67754	0.04669	-0.10700	-0.04196
3817_RPA3836_CDS;_4	0.21291	0.04171	0.05903	0.13220
3818_RPA3837_CDS;_4	0.16928	0.06371	0.11278	0.07407
3819_RPA3838_CDS;_4	-0.05801	0.12963	-0.03716	0.02934
3820_RPA3839_pchR;_	0.10341	0.06988	0.09159	-0.04362
3821_RPA3840_CDS;_4	0.00484	0.08534	0.02502	-0.09300
3822_RPA3841_CDS;_4	-0.06599	0.03749	0.10145	0.04479
3823_RPA3842_CDS;_4	0.27480	-0.19771	0.01369	0.14249

3824_RPA3843_kefC;_4	-0.06624	-0.03111	0.02027	-0.07638
3825_RPA3844_kefB;_4	-0.06993	-0.20450	-0.04646	0.00993
3826_RPA3845_CDS;_4	-0.00843	0.05516	0.08371	0.05997
3827_RPA3846_CDS;_4	-0.00735	-0.09306	0.03252	0.04776
3828_RPA3847_alaS;_4	-0.19572	0.08204	-0.08217	-0.03289
3829_RPA3848_gcvT2;_4	-0.06895	-0.13666	-0.05069	0.06933
3830_RPA3849_CDS;_4	0.14140	0.28035	-0.31886	0.49895
3831_RPA3850_gcvP;_4	-0.16061	0.04462	0.07970	-0.01220
3832_RPA3851_recA;_4	-0.15034	-0.16037	-0.19650	0.05189
3833_RPA3852_CDS;_4	0.61213	0.13631	-0.08900	0.20978
3834_RPA3853_CDS;_4	0.38854	0.17968	-0.10226	0.14920
3835_RPA3854_CDS;_4	0.58017	0.13244	0.17966	-0.10105
3836_RPA3855_CDS;_4	0.26716	0.06794	-0.05491	0.06703
3837_RPA3856_CDS;_4	0.46288	0.19520	-0.05693	0.11628
3838_RPA3857_CDS;_4	-0.01951	0.06403	0.09343	-0.05332
3839_RPA3858_CDS;_4	0.06593	0.07505	0.17637	0.10725
3840_RPA3859_CDS;_4	0.43516	-0.20266	0.25941	-0.13232
3841_RPA3860_CDS;_4	0.15178	-0.01928	0.09927	0.13356
3842_RPA3861_CDS;_4	-0.04875	0.01269	0.03835	0.15741
3843_RPA3862_CDS;_4	0.99551	0.26566	0.18435	-0.11731
3844_RPA3863_CDS;_4	0.08299	0.04238	0.14005	-0.05219
3845_RPA3864_CDS;_4	-0.15710	-0.04204	-0.01950	-0.06936
3846_RPA3865_CDS;_4	0.04554	0.02244	0.21871	0.13576
3847_RPA3866_CDS;_4	0.09210	0.06016	0.12662	0.08302
3848_RPA3867_CDS;_4	-0.09822	0.08711	-0.02436	0.03850
3849_RPA3868_CDS;_4	0.06098	-0.09535	0.14253	-0.00956
3850_RPA3869_CDS;_4	-0.05754	0.01668	0.13155	-0.05692
3851_RPA3870_CDS;_4	0.16559	0.01287	0.08463	-0.13001
3852_RPA3871_mes-4;_4	-0.19336	0.07979	-0.04760	0.04810
3853_RPA3872_CDS;_4	-0.06154	0.05824	0.12440	0.10719
3854_RPA3873_CDS;_4	-0.05405	-0.02698	0.10845	0.06152
3855_RPA3874_CDS;_4	-0.00539	-0.03463	0.10331	-0.04196
3856_RPA3875_CDS;_4	-0.26987	-0.03044	0.06467	0.08487
3857_RPA3876_fumA;_4	-0.28193	0.04038	-0.00611	0.01769
3858_RPA3877_CDS;_4	0.29673	0.10529	0.00657	0.11412
3859_RPA3878_CDS;_4	0.00240	-0.20871	-0.02871	0.02665
3860_RPA3879_CDS;_4	-0.11571	-0.06678	0.27297	0.12896
3861_RPA3880_CDS;_4	-0.15774	-0.03753	0.11303	-0.15341
3862_RPA3881_CDS;_4	-0.21680	-0.01654	-0.05799	-0.11757
3863_RPA3882_cckA;_4	-0.12913	0.07064	0.00042	-0.01342
3864_RPA3883_flhB;_4	-0.13277	0.06008	0.07695	0.03139
3865_RPA3884_fliR;_4	-0.19805	-0.10737	0.14054	0.01644
3866_RPA3885_fliQ;_4	0.02285	-0.02478	0.00604	0.13133
3867_RPA3886_CDS;_4	-0.13200	-0.02992	-0.00303	0.07073
3868_RPA3887_flgC;_4	-0.24521	-0.00010	-0.08721	0.03841
3869_RPA3888_CDS;_4	0.02244	0.03789	-0.11486	-0.14870
3870_RPA3889_CDS;_4	0.26058	0.02062	0.07734	-0.13390
3871_RPA3890_fliP;_4	0.08334	0.02186	-0.02058	0.05718
3872_RPA3891_CDS;_4	0.03048	0.09312	-0.01539	-0.02206
3873_RPA3892_CDS;_4	-0.02485	-0.01409	0.07186	-0.13826
3874_RPA3893_CDS;_4	0.45324	-0.09904	0.02425	0.02629
3875_RPA3894_CDS;_4	0.45404	-0.14293	0.03158	0.01405
3876_RPA3895_CDS;_4	-0.06985	-0.01161	-0.09367	-0.01411
3877_RPA3896_CDS;_4	0.00259	0.05938	0.10211	0.12159
3878_RPA3897_fliM;_4	-0.19014	0.07358	-0.00854	0.04694
3879_RPA3898_fliL;_4	-0.15251	-0.07642	0.07441	-0.02998
3880_RPA3899_flgF;_4	-0.13580	-0.01075	-0.00484	0.07844

3881_RPA3900_flgG;_4	-0.28119	0.05797	-0.24562	0.01730
3882_RPA3901_CDS;_4	-0.14455	0.01912	-0.01151	0.08004
3883_RPA3902_flgH;_4	-0.25855	0.04765	0.03979	0.06117
3884_RPA3903_mexD;_4	0.01342	-0.51783	-0.04413	-0.03949
3885_RPA3904_mexC;_4	0.07935	0.04467	0.17142	-0.07540
3886_RPA3905_CDS;_4	0.27905	-0.14771	0.19484	-0.22489
3887_RPA3906_CDS;_4	-0.00109	0.11831	-0.11537	-0.37841
3888_RPA3907_dksA;_4	0.27423	0.17286	-0.14467	0.09072
3889_RPA3908_CDS;_4	0.10188	0.04011	-0.08074	0.05120
3890_RPA3909_flgI;_4	-0.15436	0.08477	-0.02437	0.03856
3891_RPA3910_CDS;_4	-0.14883	0.01085	-0.11088	0.01842
3892_RPA3911_CDS;_4	-0.13686	-0.01363	-0.02098	0.03199
3893_RPA3912_CDS;_4	0.23586	0.08260	-0.13953	-0.04957
3894_RPA3913_CDS;_4	0.28355	0.17329	-0.19940	-0.00308
3895_RPA3914_CDS;_4	0.35025	0.11020	0.13614	-0.10567
3896_RPA3915_CDS;_4	-0.18839	-0.00389	-0.13165	-0.08443
3897_RPA3916_CDS;_4	-0.06894	0.03372	-0.06175	0.00755
3898_RPA3917_CDS;_4	-0.09155	0.03320	0.12866	0.02364
3899_RPA3918_CDS;_4	0.01278	0.05318	0.05300	-0.00609
3900_RPA3919_CDS;_4	0.14803	-0.16826	0.21785	-0.15564
3901_RPA3920_CDS;_4	-0.07819	-0.04600	0.07018	-0.00817
3902_RPA3921_CDS;_4	-0.04769	0.00599	0.01897	0.01897
3903_RPA3922_CDS;_4	-0.13485	0.02320	0.12362	-0.08863
3904_RPA3923_CDS;_4	-0.01389	0.03951	0.05690	0.03597
3905_RPA3924_CDS;_4	-0.13397	-0.18414	-0.15141	-0.01418
3906_RPA3925_CDS;_4	-0.09195	-0.07901	0.09518	-0.02478
3907_RPA3926_CDS;_4	-0.17511	0.06860	0.00438	-0.04805
3908_RPA3927_CDS;_4	-0.00502	0.11179	-0.09248	-0.00252
3909_RPA3928_CDS;_4	-0.00274	0.04998	0.12462	-0.01881
3910_RPA3929_CDS;_4	-0.20547	0.04731	-0.25875	-0.10021
3911_RPA3930_CDS;_4	-0.10178	0.03526	0.07832	-0.07201
3912_RPA3931_flgK;_4	0.02328	0.03507	0.10635	0.01144
3913_RPA3932_CDS;_4	-0.23444	0.03057	-0.20108	-0.07563
3914_RPA3933_CDS;_4	-0.02701	0.08745	0.03016	-0.02396
3915_RPA3934_CDS;_4	-0.16373	0.08856	-0.03946	0.08540
3916_RPA3935_CDS;_4	-0.12048	0.09126	-0.02449	0.09571
3917_RPA3936_CDS;_4	-0.05444	-0.10955	0.08134	-0.02944
3918_RPA3937_CDS;_4	-0.08764	0.09239	0.02910	-0.25208
3919_RPA3938_CDS;_4	-0.01025	0.03337	0.16031	-0.05855
3920_RPA3939_CDS;_4	-0.08892	0.08818	0.03802	0.07729
3921_RPA3940_CDS;_4	-0.13031	0.07591	0.04669	0.00273
3922_RPA3941_CDS;_4	0.04687	-0.01945	0.07243	0.13976
3923_RPA3942_CDS;_4	0.06081	0.09878	-0.04931	0.01578
3924_RPA3943_CDS;_4	-0.13467	0.03833	0.12016	0.08993
3925_RPA3944_CDS;_4	-0.10324	-0.10998	-0.01098	0.08103
3926_RPA3945_CDS;_4	-0.15626	-0.03391	-0.02706	0.05012
3927_RPA3946_CDS;_4	1.11756	-0.09701	-0.21234	-0.03067
3928_RPA3947_CDS;_4	0.21270	-0.20381	0.10287	-0.08087
3929_RPA3948_CDS;_4	0.17218	0.05158	0.13799	0.00784
3930_RPA3949_wbpX;_4	0.17396	-0.04011	0.01878	-0.10933
3931_RPA3950_CDS;_4	0.17972	0.05746	-0.04037	0.02476
3932_RPA3951_gmd;_4	0.08215	0.07657	0.02399	-0.05357
3933_RPA3952_CDS;_4	0.44257	-0.21014	-0.11212	-0.04131
3934_RPA3953_CDS;_4	0.11589	-0.08594	0.03494	-0.00154
3935_RPA3954_CDS;_4	-0.12654	0.08197	-0.08512	-0.01033
3936_RPA3955_CDS;_4	0.13387	0.08695	0.08305	0.11621
3937_RPA3956_CDS;_4	-0.21099	0.08827	-0.17884	-0.05063

3938_RPA3957_CDS;_4	0.15945	0.01378	-0.00392	0.01667
3939_RPA3958_CDS;_4	-0.21243	-0.00344	-0.04958	-0.03361
3940_RPA3959_CDS;_4	-0.06619	0.10208	-0.05268	0.05792
3941_RPA3960_CDS;_4	0.21430	0.15684	-0.08382	0.18024
3942_RPA3961_CDS;_4	-0.15209	0.01771	-0.11032	-0.02047
3943_RPA3962_CDS;_4	-0.05786	0.07084	-0.03642	-0.11447
3944_RPA3963_CDS;_4	-0.13032	0.02372	0.10055	-0.04626
3945_RPA3964_CDS;_4	-0.02216	0.01874	0.00830	-0.08646
3946_RPA3965_CDS;_4	0.10488	0.06931	0.00896	-0.06669
3947_RPA3966_CDS;_4	-0.07868	0.06529	0.02560	-0.00445
3948_RPA3967_CDS;_4	-0.09966	0.05508	0.00937	0.05901
3949_RPA3968_CDS;_4	-0.11204	-0.26233	0.06381	0.05367
3950_RPA3969_CDS;_4	-0.17682	0.06746	-0.01088	0.01561
3951_RPA3970_CDS;_4	-0.06777	-0.15338	-0.09938	0.04593
3952_RPA3971_thiD;_	-0.11948	0.06929	0.01513	0.09845
3953_RPA3972_CDS;_4	0.04166	0.05701	0.16834	0.02987
3954_RPA3973_CDS;_4	-0.00349	0.07157	0.11569	0.07452
3955_RPA3974_CDS;_4	-0.08098	-0.11615	-0.03071	-0.03249
3956_RPA3975_CDS;_4	0.07718	0.15516	-0.24571	-0.12884
3957_RPA3976_CDS;_4	-0.16760	0.07504	-0.00458	0.01960
3958_RPA3977_CDS;_4	-0.14457	-0.05152	-0.02338	-0.04688
3959_RPA3978_wpbE;_	-0.14986	-0.03302	0.01613	0.00122
3960_RPA3979_CDS;_4	-0.06369	-0.23328	-0.04640	-0.01612
3961_RPA3980_wbnF;_	0.07249	0.05208	0.15840	0.09317
3962_RPA3981_CDS;_4	0.24637	0.07753	0.10133	0.09415
3963_RPA3982_CDS;_4	0.48808	0.16048	0.01027	0.20199
3964_RPA3983_CDS;_4	0.14857	0.00989	-0.01279	-0.01192
3965_RPA3984_rfAE;_	0.03547	-0.03958	0.08285	-0.04674
3966_RPA3985_CDS;_4	-0.08847	0.06076	0.07922	0.07322
3967_RPA3986_CDS;_4	-0.03444	-0.11126	0.08323	0.03699
3968_RPA3987_lpcA;_	-0.02298	0.09830	-0.04070	-0.13397
3969_RPA3988_CDS;_4	0.06802	0.10985	0.02903	0.05797
3970_RPA3989_CDS;_4	0.03634	-0.04431	0.13179	-0.06023
3971_RPA3990_galE;_	0.01437	0.07518	0.01187	-0.01162
3972_RPA3991_CDS;_4	-0.22227	0.06417	0.00687	0.05780
3973_RPA3992_CDS;_4	-0.13835	-0.12585	-0.00987	0.03490
3974_RPA3993_CDS;_4	0.10909	-0.18984	0.18677	-0.12463
3975_RPA3994_CDS;_4	0.15003	-0.05737	0.07809	-0.13168
3976_RPA3995_CDS;_4	0.54218	-0.04874	0.02828	0.10594
3977_RPA3996_CDS;_4	0.37219	-0.44306	-0.16635	-0.04949
3978_RPA3997_CDS;_4	0.34058	0.08578	0.06994	-0.47045
3979_RPA3998_CDS;_4	0.88879	0.34465	0.00549	0.54753
3980_RPA3999_CDS;_4	0.40685	-0.15965	-0.03571	-0.00709
3981_RPA4000_CDS;_4	0.28403	0.05207	0.03219	0.01264
3982_RPA4001_CDS;_4	-0.17064	0.06629	0.01307	0.00121
3983_RPA4002_CDS;_4	-0.15398	0.10129	-0.07652	0.01732
3984_RPA4003_CDS;_4	0.27258	-0.03769	0.40130	-0.70457
3985_RPA4004_CDS;_4	0.10569	0.10505	-0.28593	-0.02711
3986_RPA4005_rpsU,_S	0.12554	-0.02347	-0.03577	0.08629
3987_RPA4006_CDS;_4	0.51081	-0.00822	-0.02549	-0.09064
3988_RPA4007_CDS;_4	0.68453	0.22714	-0.12760	0.07374
3989_RPA4008_CDS;_4	0.24732	0.03960	-0.01104	0.04501
3990_RPA4009_CDS;_4	0.01531	0.06972	0.03705	-0.06816
3991_RPA4010_CDS;_4	-0.06080	0.12701	0.03678	0.11883
3992_RPA4011_CDS;_4	0.08378	0.07983	0.07798	-0.19505
3993_RPA4012_CDS;_4	0.21024	0.10426	0.00519	0.06329
3994_RPA4013_CDS;_4	0.08424	0.06806	0.02305	-0.00375

3995_RPA4014_CDS;_4	1.06261	0.31326	-0.10742	0.19075
3996_RPA4015_ahcY;_	-0.34597	0.05766	-0.08459	-0.01336
3997_RPA4016_,etK;_	-0.25030	0.10617	-0.12155	-0.02875
3998_RPA4017_CDS;_4	0.11838	0.08543	0.07300	0.13767
3999_RPA4018_CDS;_4	-0.17086	0.07711	-0.05336	0.02434
4000_RPA4019_CDS;_4	-0.25337	0.06411	-0.00496	0.03662
4001_RPA4020_CDS;_4	-0.12910	-0.03069	-0.00637	0.02988
4002_RPA4021_CDS;_4	-0.00830	-0.03410	0.08251	-0.00562
4003_RPA4022_CDS;_4	-0.15435	0.01763	0.07070	0.01254
4004_RPA4023_CDS;_4	0.01863	0.04557	0.00407	0.03119
4005_RPA4024_CDS;_4	-0.13230	-0.01701	-0.06725	0.06581
4006_RPA4025_CDS;_4	0.07628	0.10121	-0.03853	0.01894
4007_RPA4026_CDS;_4	-0.12312	-0.02005	-0.06058	0.04196
4008_RPA4027_CDS;_4	-0.18271	0.03470	0.00741	-0.02542
4009_RPA4028_CDS;_4	-0.00546	-0.14098	0.18834	-0.21338
4010_RPA4029_CDS;_4	-0.18240	0.09486	-0.03057	0.12346
4011_RPA4030_CDS;_4	0.25363	0.06902	0.14112	0.16604
4012_RPA4031_CDS;_4	-0.00557	-0.02545	0.07490	0.10144
4013_RPA4032_purU;_	-0.10003	0.04329	0.07868	-0.04142
4014_RPA4033_hemD;_	0.14347	0.13206	-0.02062	-0.07245
4015_RPA4034_CDS;_4	-0.17747	0.09382	-0.04669	0.03587
4016_RPA4035_CDS;_4	-0.10553	0.00505	-0.03929	0.05433
4017_RPA4036_CDS;_4	-0.15982	0.04297	0.06534	0.08307
4018_RPA4037_CDS;_4	-0.14800	-0.49310	-0.15232	-0.02123
4019_RPA4038_CDS;_4	-0.16964	0.05458	0.08866	0.06085
4020_RPA4039_CDS;_4	0.01350	-0.12081	0.01345	0.09052
4021_RPA4040_CDS;_4	0.00781	0.06351	0.07951	0.04659
4022_RPA4041_CDS;_4	-0.02694	0.11142	0.00988	0.17031
4023_RPA4042_CDS;_4	-0.15636	0.06407	0.03883	0.01639
4024_RPA4043_CDS;_4	-0.08799	0.01660	0.14725	0.01609
4025_RPA4044_CDS;_4	-0.16895	0.03252	0.06028	-0.04666
4026_RPA4045_CDS;_4	-0.23964	0.12665	-0.11335	0.02344
4027_RPA4046_CDS;_4	-0.01812	0.02729	-0.04428	-0.03311
4028_RPA4047_CDS;_4	0.50011	-0.23514	-0.31596	-0.12538
4029_RPA4048_rfbF;_	0.54069	0.18605	-0.07076	0.04810
4030_RPA4049_rfbG;_	0.61943	0.04715	-0.21551	-0.06173
4031_RPA4050_CDS;_4	0.29976	0.26156	-0.32753	0.12008
4032_RPA4051_CDS;_4	0.79262	0.29188	-0.23470	0.08532
4033_RPA4052_CDS;_4	0.34769	0.18238	-0.07754	0.16021
4034_RPA4053_CDS;_4	0.39812	0.13280	0.11102	0.06220
4035_RPA4054_CDS;_4	0.32374	0.08020	-0.03605	-0.10567
4036_RPA4055_CDS;_4	0.31698	0.09505	0.15189	-0.17166
4037_RPA4056_CDS;_4	0.56559	0.07880	-0.08892	-0.01592
4038_RPA4057_CDS;_4	0.38785	0.16554	-0.02208	0.04166
4039_RPA4058_CDS;_4	0.64629	0.03163	-0.08241	0.16855
4040_RPA4059_CDS;_4	0.84758	0.13290	-0.00439	-0.09163
4041_RPA4060_CDS;_4	0.70694	-0.15031	-0.14415	-0.07682
4042_RPA4061_CDS;_4	0.77496	0.13805	0.10461	0.13290
4043_RPA4062_CDS;_4	0.85675	0.03026	-0.11360	0.16682
4044_RPA4063_CDS;_4	0.85172	0.10416	-0.07739	0.21785
4045_RPA4064_CDS;_4	1.05703	-0.06085	-0.16508	0.06866
4046_RPA4065_CDS;_4	1.05436	0.19229	-0.07137	0.19248
4047_RPA4066_CDS;_4	-0.18988	-0.04993	0.09081	0.06880
4048_RPA4067_CDS;_4	0.18663	-0.39663	0.10426	0.07967
4049_RPA4068_CDS;_4	-0.13571	0.02703	0.21621	-0.24576
4050_RPA4069_CDS;_4	-0.08379	0.03432	0.11855	0.07808
4051_RPA4070_msra;_	-0.08760	0.00682	0.23933	-0.04413

4052_RPA4071_carB;_4	-0.21280	0.05421	-0.01598	0.01503
4053_RPA4072_greA;_4	-0.16510	0.01805	-0.14605	-0.05047
4054_RPA4073_CDS;_4	-0.03861	0.03999	0.12240	-0.14913
4055_RPA4074_CDS;_4	-0.17525	-0.18585	0.09999	0.06243
4056_RPA4075_trxB;_4	-0.05855	-0.01560	-0.01930	-0.05248
4057_RPA4076_CDS;_4	-0.12873	0.01488	0.15040	-0.05361
4058_RPA4077_CDS;_4	0.03497	0.10769	-0.09232	-0.13218
4059_RPA4078_CDS;_4	0.30615	0.03432	0.04204	0.16846
4060_RPA4079_CDS;_4	0.20203	-0.05421	-0.12071	-0.07656
4061_RPA4080_CDS;_4	0.24907	0.03216	-0.06474	-0.00121
4062_RPA4081_CDS;_4	0.15240	0.12981	-0.02141	-0.02090
4063_RPA4082_CDS;_4	0.65717	0.11180	-0.11738	0.10863
4064_RPA4083_CDS;_4	0.05215	-0.01521	-0.21922	-0.05943
4065_RPA4084_CDS;_4	0.02006	0.00877	0.01473	-0.10261
4066_RPA4085_acrR3;_4	0.22626	-0.07783	0.03167	-0.05248
4067_RPA4086_CDS;_4	0.19998	-0.44960	-0.13423	0.11091
4068_RPA4087_CDS;_4	0.09292	0.01346	0.01607	-0.05513
4069_RPA4088_CDS;_4	0.19177	0.00787	0.10122	-0.09591
4070_RPA4089_CDS;_4	0.42087	0.18793	-0.16221	-0.02386
4071_RPA4090_CDS;_4	0.37796	0.12228	0.01373	-0.29182
4072_RPA4091_CDS;_4	0.37067	0.09110	0.11685	0.02633
4073_RPA4092_CDS;_4	0.35838	0.05418	0.08707	-0.05687
4074_RPA4093_CDS;_4	0.85196	-0.40083	0.01861	-0.05335
4075_RPA4094_CDS;_4	0.19740	0.09532	0.03569	-0.05344
4076_RPA4095_CDS;_4	-0.01723	0.03609	0.10596	-0.00148
4077_RPA4096_CDS;_4	0.09928	-0.00177	0.03129	0.07417
4078_RPA4097_PA3574	0.13335	0.10863	0.07306	0.17503
4079_RPA4098_CDS;_4	0.30802	-0.48296	-0.03983	-0.10017
4080_RPA4099_CDS;_4	0.26467	-0.00508	0.45699	-1.29132
4081_RPA4100_CDS;_4	0.11165	0.13152	-0.00480	0.11921
4082_RPA4101_CDS;_4	0.08546	-0.17996	0.01344	-0.01842
4083_RPA4102_CDS;_4	0.15018	0.05280	0.14619	0.10716
4084_RPA4103_CDS;_4	0.27494	0.14556	-0.05749	-0.07627
4085_RPA4104_CDS;_4	0.53859	0.05438	0.08499	0.09857
4086_RPA4105_rmrA;_4	0.29597	0.03784	-0.02010	0.06863
4087_RPA4106_rmrB;_4	0.15042	0.09886	0.05244	0.02818
4088_RPA4107_oprN;_4	0.37689	0.01358	0.12521	0.03177
4089_RPA4108_CDS;_4	0.46262	-0.04726	0.01804	0.04099
4090_RPA4109_CDS;_4	0.72363	0.17689	-0.13262	0.31845
4091_RPA4110_mycA;_4	0.10404	0.10270	-0.00520	-0.03730
4092_RPA4111_CDS;_4	0.46477	0.21527	-0.11921	0.11019
4093_RPA4112_CDS;_4	0.52870	-0.20882	-0.12675	-0.25357
4094_RPA4113_CDS;_4	0.34141	0.10710	0.00182	0.09379
4095_RPA4114_CDS;_4	0.60605	0.13021	0.04676	-0.11799
4096_RPA4115_trbI;_4	0.24581	0.00749	0.09374	0.06339
4097_RPA4116_trbG;_4	0.07914	0.10799	-0.05824	0.04669
4098_RPA4117_trbF;_4	0.10608	0.04678	-0.07358	-0.11576
4099_RPA4118_CDS;_4	0.17377	0.05642	-0.05345	0.03055
4100_RPA4119_CDS;_4	0.46487	0.00132	-0.06489	0.02408
4101_RPA4120_CDS;_4	0.17416	0.01388	0.03115	-0.05526
4102_RPA4121_trbE;_4	0.16626	-0.01171	-0.00931	0.08850
4103_RPA4122_CDS;_4	0.03635	0.11519	-0.33881	0.07228
4104_RPA4123_trbC;_4	0.19367	0.03435	-0.05790	-0.06949
4105_RPA4124_trbB;_4	0.21465	-0.42250	-0.22745	-0.05237
4106_RPA4125_CDS;_4	0.88768	0.18881	-0.30437	-0.09207
4107_RPA4126_CDS;_4	0.43401	0.01715	-0.02720	-0.23442
4108_RPA4127_CDS;_4	0.34593	0.09474	-0.04861	-0.15901

4109_RPA4128_CDS;__4	0.03835	0.02789	-0.08442	0.04013
4110_RPA4129_CDS;__4	0.58956	0.13725	-0.20895	0.12898
4111_RPA4130_CDS;__4	0.57546	-0.13810	-0.04387	-0.20484
4112_RPA4131_CDS;__4	0.32302	0.05351	-0.04066	-0.08918
4113_RPA4132_traG;__	0.20126	0.11858	0.00214	0.11757
4114_RPA4133_CDS;__4	0.18081	0.17484	-0.05544	0.24173
4115_RPA4134_CDS;__4	0.75796	0.10780	-0.03004	0.27562
4116_RPA4135_CDS;__4	0.15918	0.02096	0.28926	-0.03001
4117_RPA4136_CDS;__4	0.37078	0.03037	-0.04732	0.04007
4118_RPA4137_CDS;__4	-0.30527	0.00383	-0.08069	0.02300
4119_RPA4138_CDS;__4	-0.17236	0.01729	-0.03961	-0.02739
4120_RPA4139_CDS;__4	0.21987	0.05263	0.27092	0.06880
4121_RPA4140_CDS;__4	-0.18005	-0.02877	0.09679	-0.13949
4122_RPA4141_CDS;__4	0.57476	0.09198	0.15856	0.17067
4123_RPA4142_CDS;__4	0.39297	0.10694	-0.02654	0.07047
4124_RPA4143_fnrI;__	-0.16910	-0.07378	0.15481	0.07717
4125_RPA4144_CDS;__4	0.10191	0.09759	-0.07596	-0.00932
4126_RPA4145_nirK;__	-0.16690	0.09067	-0.05339	0.04697
4127_RPA4146_CDS;__4	-0.02109	-0.04886	0.07877	0.00361
4128_RPA4147_CDS;__4	-0.08961	-0.25209	-0.07382	0.05599
4129_RPA4148_prsA;__	0.00969	0.04900	0.10498	0.00077
4130_RPA4149_CDS;__4	-0.11429	0.06419	0.03026	-0.00775
4131_RPA4150_CDS;__4	0.03818	0.02519	0.14420	0.10112
4132_RPA4151_CDS;__4	-0.19303	0.03611	0.10096	0.06442
4133_RPA4152_fbpA;__	-0.27055	0.06586	-0.04488	-0.12023
4134_RPA4153_fpbB;__	-0.09746	-0.24190	0.04746	0.04333
4135_RPA4154_CDS;__4	-0.08104	0.10854	0.04616	0.15481
4136_RPA4155_CDS;__4	-0.20105	0.12239	-0.11355	-0.09723
4137_RPA4156_CDS;__4	-0.17605	0.11155	-0.10188	0.05796
4138_RPA4157_CDS;__4	-0.11744	0.05421	0.04693	-0.00226
4139_RPA4158_potI;__	-0.17615	-0.00747	0.07072	-0.02577
4140_RPA4159_potH;__	-0.21842	-0.02152	0.13829	0.02789
4141_RPA4160_CDS;__4	-0.15055	0.02919	0.09158	0.02999
4142_RPA4161_CDS;__4	-0.06795	0.02265	0.15820	0.00124
4143_RPA4162_CDS;__4	-0.12182	0.05983	0.02037	0.06811
4144_RPA4163_CDS;__4	-0.12200	0.11247	-0.09523	0.04553
4145_RPA4164_CDS;__4	-0.24159	0.08391	-0.07922	-0.02242
4146_RPA4165_CDS;__4	-0.01014	-0.03099	-0.24219	0.04074
4147_RPA4166_CDS;__4	-0.22633	0.04973	0.01069	0.00688
4148_RPA4167_CDS;__4	-0.09820	-0.15216	-0.02001	0.06463
4149_RPA4168_CDS;__4	-0.00036	-0.02029	0.04095	-0.00564
4150_RPA4169_CDS;__4	0.24796	-0.42367	-0.14097	0.02131
4151_RPA4170_CDS;__4	0.04821	0.10975	-0.16296	0.18664
4152_RPA4171_CDS;__4	0.89511	0.13969	-0.22717	0.03131
4153_RPA4172_CDS;__4	0.44195	-0.08544	0.06275	-0.18528
4154_RPA4173_CDS;__4	0.11838	0.08634	0.03616	0.14641
4155_RPA4174_purE;__	-0.07417	-0.00790	-0.03220	0.07007
4156_RPA4175_purK;__	-0.01710	0.07308	0.00319	-0.03427
4157_RPA4176_rpS21;__	0.13716	0.04698	-0.14022	-0.01349
4158_RPA4177_CDS;__4	-0.07539	-0.01770	0.00307	0.02915
4159_RPA4178_CDS;__4	0.05129	0.06274	-0.15455	0.09840
4160_RPA4179_CDS;__4	-0.00486	0.14507	-0.12582	0.00345
4161_RPA4180_pntB;__	-0.18755	-0.44274	-0.35183	-0.07271
4162_RPA4181_pntA_be	-0.05740	-0.48612	-0.29529	-0.10234
4163_RPA4182_pntA_al	-0.19394	0.03445	-0.20734	-0.09090
4164_RPA4183_CDS;__4	0.02478	-0.01422	0.04148	-0.05610
4165_RPA4184_CDS;__4	0.52071	0.12867	0.00032	0.02697

4166_RPA4185_CDS;_4	-0.10864	0.06795	-0.05101	-0.06330
4167_RPA4186_CDS;_4	-0.07583	0.04623	0.09059	-0.21416
4168_RPA4187_CDS;_4	-0.03644	0.06438	0.06988	0.08190
4169_RPA4188_CDS;_4	-0.21827	0.07055	-0.02542	-0.05220
4170_RPA4189_CDS;_4	-0.19878	-0.00785	-0.03552	0.04001
4171_RPA4190_CDS;_4	0.29345	-0.02574	-0.08494	0.21622
4172_RPA4191_CDS;_4	-0.04108	-0.47299	-0.08585	-0.17310
4173_RPA4192_CDS;_4	0.03291	0.03418	0.19560	-0.01600
4174_RPA4193_pyk;_4	-0.18282	0.07775	-0.00344	0.06105
4175_RPA4194_osmC;_4	-0.09730	-0.01478	0.26230	0.09663
4176_RPA4195_CDS;_4	0.19357	0.00779	0.08155	0.01535
4177_RPA4196_CDS;_4	0.12587	0.13373	-0.04808	0.06047
4178_RPA4197_rpmJ;_L	-0.39854	0.05507	-0.42704	-0.20430
4179_RPA4198_CDS;_4	-0.18154	0.09118	-0.09984	0.05635
4180_RPA4199_CDS;_4	-0.02986	-0.20079	-0.05111	0.04066
4181_RPA4200_CDS;_4	0.07964	-0.05406	-0.08965	-0.07046
4182_RPA4201_CDS;_4	0.24022	-0.08745	-0.38468	-0.12634
4183_RPA4202_CDS;_4	-0.05665	-0.10777	-0.06767	-0.04076
4184_RPA4203_CDS;_4	0.06523	0.16739	-0.20839	0.05017
4185_RPA4204_CDS;_4	0.66685	0.17062	-0.11608	0.16658
4186_RPA4205_CDS;_4	-0.03019	-0.03196	-0.07101	0.02611
4187_RPA4206_CDS;_4	-0.28589	0.07523	-0.11775	-0.06850
4188_RPA4207_CDS;_4	-0.12821	0.04362	0.03336	-0.06123
4189_RPA4208_CDS;_4	0.08699	-0.49741	-0.03973	0.11190
4190_RPA4209_glnA;_II	-0.14706	0.11657	-0.20396	-0.01981
4191_RPA4210_CDS;_4	0.36496	0.14051	0.19705	0.17586
4192_RPA4211_glsA;_4	0.00009	-0.09542	-0.05247	0.06081
4193_RPA4212_CDS;_4	0.03436	-0.06446	0.25066	-0.20048
4194_RPA4213_CDS;_4	0.01435	0.08129	-0.03279	-0.14563
4195_RPA4214_CDS;_4	-0.01551	0.06141	-0.16993	-0.03150
4196_RPA4215_cysG;_4	-0.09508	0.05028	0.02654	0.04141
4197_RPA4216_glcB;_4	-0.28132	0.07593	-0.07696	-0.06234
4198_RPA4217_CDS;_4	-0.19697	0.03641	-0.14553	-0.07185
4199_RPA4218_CDS;_4	0.66303	0.15425	-0.06570	0.13802
4200_RPA4219_CDS;_4	-0.03974	0.05081	0.09240	-0.01536
4201_RPA4220_CDS;_4	-0.04902	0.10846	-0.14253	-0.01323
4202_RPA4221_CDS;_4	0.01391	0.01080	0.26267	-0.03231
4203_RPA4222_CDS;_4	0.36900	-0.14226	-0.12612	0.10238
4204_RPA4223_CDS;_4	0.19105	0.06556	-0.11238	0.06636
4205_RPA4224_CDS;_4	0.94336	0.17994	-0.14835	0.33707
4206_RPA4225_CDS;_4	0.17703	-0.15602	-0.13276	-0.16277
4207_RPA4226_CDS;_4	0.06691	0.07157	0.08905	-0.02188
4208_RPA4227_ureG;_4	0.00125	0.06769	0.04304	0.06514
4209_RPA4228_CDS;_4	0.62054	-0.40542	-0.19302	0.17939
4210_RPA4229_CDS;_4	0.51133	0.09185	-0.05202	-0.02488
4211_RPA4230_CDS;_4	-0.24313	-0.01943	-0.19181	-0.14623
4212_RPA4231_CDS;_4	0.05639	-0.11182	0.04270	0.01645
4213_RPA4232_CDS;_4	0.43625	0.22428	-0.14662	0.11926
4214_RPA4233_CDS;_4	-0.00581	-0.07342	0.07871	0.06963
4215_RPA4234_aadR;_4	0.08980	-0.09554	-0.20239	-0.05897
4216_RPA4235_CDS;_4	0.53459	0.04727	-0.14362	0.08127
4217_RPA4236_CDS;_4	0.05358	0.03957	-0.08213	-0.05933
4218_RPA4237_CDS;_4	-0.02769	0.13303	-0.12599	0.04659
4219_RPA4238_CDS;_4	0.05231	0.06672	0.08222	-0.01564
4220_RPA4239_CDS;_4	0.27270	0.10169	0.09259	-0.04605
4221_RPA4240_CDS;_4	-0.06218	-0.25348	-0.14448	-0.05524
4222_RPA4241_CDS;_4	0.08610	-0.45702	-0.09775	-0.07095

4223_RPA4242_CDS;__4	0.05221	0.06653	0.08564	0.10645
4224_RPA4243_phaC;__	-0.04714	-0.19778	-0.09195	0.04945
4225_RPA4244_CDS;__4	-0.11915	-0.07146	-0.10062	-0.06189
4226_RPA4245_CDS;__4	0.06405	0.09691	-0.01494	-0.01432
4227_RPA4246_CDS;__4	-0.10139	0.06720	0.04902	-0.07002
4228_RPA4247_fixL;__	-0.04975	-0.19715	-0.04574	0.05718
4229_RPA4248_fixJ;__	-0.13013	0.05506	0.05935	0.04534
4230_RPA4249_CDS;__4	0.01147	0.06784	0.14922	-0.09741
4231_RPA4250_fixK2;__	-0.22080	-0.12869	-0.24799	0.06813
4232_RPA4251_oahs;__	-0.19565	-0.00455	-0.10266	-0.00350
4233_RPA4252_nuoN;__	-0.08182	-0.00166	0.18148	0.04904
4234_RPA4253_nuoM;__	-0.21194	0.02363	0.00320	-0.02422
4235_RPA4254_nuoL;__	-0.07891	0.05046	0.01293	-0.06858
4236_RPA4255_nuoK;__	-0.19644	-0.01158	0.09871	0.09786
4237_RPA4256_nuoJ;__	0.02758	-0.53696	0.00102	-0.03402
4238_RPA4257_nuoI;__	-0.06064	0.09257	-0.22955	0.04573
4239_RPA4258_nuoH;__	-0.18246	-0.03439	-0.00550	0.04584
4240_RPA4259_nuoG;__	-0.08254	-0.00808	0.04386	0.01331
4241_RPA4260_nuoF;__	0.02601	-0.02382	-0.07941	-0.07818
4242_RPA4261_nuoE;__	-0.14818	0.05973	0.10616	-0.10002
4243_RPA4262_nuoCD;__	-0.21488	0.00797	0.10512	0.03576
4244_RPA4263_nuoB;__	-0.07846	-0.06052	-0.04254	-0.02948
4245_RPA4264_nuoA;__	-0.17312	0.02679	-0.14745	0.08359
4246_RPA4265_ndvA;__	-0.14253	0.04822	0.05833	0.07292
4247_RPA4266_CDS;__4	-0.12058	0.06251	-0.02328	-0.00433
4248_RPA4267_CDS;__4	-0.26130	0.09091	-0.10324	0.01834
4249_RPA4268_CDS;__4	-0.24752	0.07245	-0.08353	-0.02733
4250_RPA4269_CDS;__4	-0.06994	-0.21445	0.06355	-0.06156
4251_RPA4270_thrB;__	-0.19173	0.04722	0.08081	-0.08155
4252_RPA4271_lytB;__	-0.31834	0.02427	0.04198	0.06037
4253_RPA4272_CDS;__4	-0.34423	0.08884	-0.08601	0.01666
4254_RPA4273_CDS;__4	0.07388	0.03931	0.26008	0.13242
4255_RPA4274_CDS;__4	1.15709	-0.03497	-0.18582	0.03270
4256_RPA4275_CDS;__4	0.55669	0.18443	-0.07261	-0.06188
4257_RPA4276_CDS;__4	0.58403	0.31266	-0.21283	0.32160
4258_RPA4277_CDS;__4	0.13373	-0.20076	0.05039	0.16360
4259_RPA4278_CDS;__4	0.99576	-0.01610	-0.22178	-0.09063
4260_RPA4279_CDS;__4	0.13500	-0.07272	0.08006	0.16449
4261_RPA4280_CDS;__4	0.04749	-0.24605	0.08201	0.01467
4262_RPA4281_CDS;__4	-0.02135	-0.11057	0.04545	0.13419
4263_RPA4282_CDS;__4	-0.11907	0.05656	0.08828	-0.12519
4264_RPA4283_CDS;__4	-0.22812	0.01561	0.11025	0.03452
4265_RPA4284_CDS;__4	-0.25097	-0.04322	0.09924	0.08368
4266_RPA4285_CDS;__4	-0.23642	0.06107	0.05844	0.07452
4267_RPA4286_CDS;__4	-0.15473	0.04816	0.07326	0.07143
4268_RPA4287_CDS;__4	-0.21387	0.07133	0.00919	0.05647
4269_RPA4288_CDS;__4	-0.07459	0.05961	0.09938	0.10964
4270_RPA4289_CDS;__4	-0.22060	0.00200	0.17218	0.04161
4271_RPA4290_CDS;__4	-0.08585	0.08169	0.08376	0.12146
4272_RPA4291_pucBb;__	-0.19546	-0.03763	-0.16103	-0.08199
4273_RPA4292_pucAb;__	0.02186	0.12166	-0.41723	-0.37390
4274_RPA4293_CDS;__4	-0.22407	0.02803	-0.22391	-0.06756
4275_RPA4294_CDS;__4	-0.13527	-0.01928	-0.06017	-0.04190
4276_RPA4295_purA;__	-0.17223	0.07133	-0.07473	-0.15256
4277_RPA4296_CDS;__4	0.29309	0.11180	0.11503	0.14401
4278_RPA4297_CDS;__4	-0.14866	0.07052	0.07458	0.04243
4279_RPA4298_CDS;__4	0.04072	0.10315	0.11181	0.06513

4280_RPA4299_CDS;_4	-0.23293	-0.00194	0.09339	0.02065
4281_RPA4300_CDS;_4	-0.07364	0.03312	0.12473	0.11173
4282_RPA4301_CDS;_4	0.32160	0.17126	0.06426	0.42831
4283_RPA4302_CDS;_4	-0.19015	0.05712	0.02541	-0.00431
4284_RPA4303_CDS;_4	-0.24811	0.06398	-0.04365	0.00824
4285_RPA4304_CDS;_4	-0.27707	0.09628	-0.14263	0.01657
4286_RPA4305_CDS;_4	-0.08265	0.01584	-0.09164	0.02032
4287_RPA4306_CDS;_4	0.03329	-0.47265	-0.11964	-0.06612
4288_RPA4307_CDS;_4	-0.24594	0.06542	-0.04997	-0.01626
4289_RPA4308_serA;_	-0.32428	0.10369	-0.18499	-0.04148
4290_RPA4309_serC;_	-0.17826	0.13377	-0.20463	0.01679
4291_RPA4310_CDS;_4	0.66437	0.02820	0.22064	-0.14323
4292_RPA4311_CDS;_4	-0.03403	0.07814	0.02560	-0.09044
4293_RPA4312_CDS;_4	0.04577	0.09466	-0.05519	0.07054
4294_RPA4313_CDS;_4	0.18742	0.06471	0.12413	-0.10409
4295_RPA4314_gstA;_	0.00162	0.04366	0.13448	-0.03569
4296_RPA4315_CDS;_4	0.46414	-0.36735	-0.24774	-0.00089
4297_RPA4316_CDS;_4	0.28387	0.12560	-0.09937	-0.08919
4298_RPA4317_CDS;_4	-0.03940	-0.26145	0.03604	-0.00930
4299_RPA4318_mrsA;_	-0.21010	0.08137	-0.01514	0.05841
4300_RPA4319_CDS;_4	-0.00335	0.00405	-0.02200	0.01080
4301_RPA4320_lldA;_	-0.28125	0.04118	-0.01031	0.03429
4302_RPA4321_paaG1;_	-0.17178	0.08146	0.03102	0.10022
4303_RPA4322_CDS;_4	-0.08084	0.07746	-0.02325	-0.00164
4304_RPA4323_CDS;_4	1.10323	0.17727	-0.03473	0.16404
4305_RPA4324_CDS;_4	1.28642	0.14660	-0.03680	0.52050
4306_RPA4325_aroE;_	-0.16711	-0.50450	-0.21120	-0.00299
4307_RPA4326_sulP;_	-0.13569	0.08475	-0.05564	-0.05407
4308_RPA4327_CDS;_4	-0.08671	0.09524	0.02963	0.13090
4309_RPA4328_CDS;_4	-0.03303	-0.15344	-0.13936	-0.00238
4310_RPA4329_CDS;_4	-0.09870	0.11158	-0.14815	-0.08293
4311_RPA4330_CDS;_4	-0.17387	0.13600	-0.17644	-0.05947
4312_RPA4331_aatA;_	-0.23419	0.05322	-0.07805	-0.06790
4313_RPA4332_gstA;_	-0.20899	0.06323	0.00390	0.04985
4314_RPA4333_CDS;_4	-0.15671	0.06662	0.03680	0.06695
4315_RPA4334_CDS;_4	-0.19815	0.01840	0.10856	0.09178
4316_RPA4335_CDS;_4	0.36311	-0.05666	-0.06054	0.01733
4317_RPA4336_CDS;_4	-0.28381	0.06925	0.00081	0.06219
4318_RPA4337_CDS;_4	-0.01553	0.05588	0.07690	-0.09707
4319_RPA4338_CDS;_4	0.07985	0.10954	0.01348	0.08713
4320_RPA4339_CDS;_4	-0.01722	0.03574	0.13412	0.03357
4321_RPA4340_ligE;_	0.04896	-0.13055	0.06710	0.09077
4322_RPA4341_CDS;_4	-0.17115	-0.03178	0.04187	0.04451
4323_RPA4342_CDS;_4	-0.16152	0.00330	0.14594	0.05609
4324_RPA4343_uvrB;_	-0.17592	0.06586	0.00965	0.07876
4325_RPA4344_CDS;_4	0.23758	0.05270	0.06180	-0.37789
4326_RPA4345_CDS;_4	0.05143	0.17061	-0.18652	0.09472
4327_RPA4346_CDS;_4	-0.32964	0.09263	-0.12526	-0.01412
4328_RPA4347_CDS;_4	-0.31185	0.01071	-0.08827	0.13229
4329_RPA4348_CDS;_4	-0.06339	0.06737	0.06927	-0.12622
4330_RPA4349_CDS;_4	-0.04757	0.10008	-0.08986	0.07053
4331_RPA4350_CDS;_4	0.04421	0.10891	-0.16883	0.21853
4332_RPA4351_CDS;_4	-0.22081	0.08975	-0.10035	-0.17691
4333_RPA4352_CDS;_4	-0.18427	0.07188	-0.06082	-0.00948
4334_RPA4353_CDS;_4	-0.03877	0.03157	0.01366	0.25267
4335_RPA4354_CDS;_4	-0.23744	0.07703	-0.05778	0.06478
4336_RPA4355_pth;_4	-0.02921	0.10804	-0.02523	0.05114

4337_RPA4356_ctc,_rp	-0.11600	0.00852	-0.14811	-0.07074
4338_RPA4357_CDS;_4	-0.28190	0.02924	-0.01524	0.12927
4339_RPA4358_lgt;_4	-0.06537	0.05462	0.04820	0.05497
4340_RPA4359_CDS;_4	-0.20279	0.03461	0.10402	0.06559
4341_RPA4360_CDS;_4	-0.11599	0.09663	-0.00508	0.09696
4342_RPA4361_CDS;_4	-0.02461	0.08872	0.05839	-0.02082
4343_RPA4362_ribP;_	-0.33207	0.08851	-0.17457	-0.03452
4344_RPA4363_CDS;_4	-0.26645	0.02665	0.02967	0.01271
4345_RPA4364_CDS;_4	0.02136	0.09921	-0.00555	0.09942
4346_RPA4365_CDS;_4	-0.18183	0.08712	-0.06289	-0.02224
4347_RPA4366_proC;_	-0.14014	0.05778	-0.20029	0.02465
4348_RPA4367_CDS;_4	-0.19051	0.00576	0.14248	0.04836
4349_RPA4368_CDS;_4	-0.14432	-0.02616	0.08832	0.10399
4350_RPA4369_CDS;_4	-0.14611	0.03915	0.14795	0.11681
4351_RPA4370_ilvE;_	-0.31524	0.07396	-0.13040	-0.03887
4352_RPA4371_mutL;_	-0.05104	0.03239	0.13183	-0.16379
4353_RPA4372_CDS;_4	-0.12645	-0.02314	0.04933	0.01599
4354_RPA4373_CDS;_4	-0.18653	0.03615	0.01962	-0.01198
4355_RPA4374_CDS;_4	-0.05993	-0.01335	0.03803	-0.10180
4356_RPA4375_CDS;_4	-0.16140	0.02212	-0.09266	0.03298
4357_RPA4376_lspA;_	0.03915	0.11739	-0.04381	0.14856
4358_RPA4377_ileS;_	-0.24306	0.04690	0.01248	0.00316
4359_RPA4378_CDS;_4	-0.26399	0.01077	0.20603	0.09426
4360_RPA4379_ribF;_	-0.16674	0.03581	0.12542	0.06825
4361_RPA4380_CDS;_4	-0.07362	0.05867	0.02141	0.03339
4362_RPA4381_CDS;_4	-0.16843	-0.06885	-0.11617	0.01213
4363_RPA4382_CDS;_4	-0.11437	0.05627	0.04537	0.05496
4364_RPA4383_CDS;_4	-0.17351	-0.02927	-0.01953	0.08921
4365_RPA4384_CDS;_4	0.18380	0.10519	0.03263	0.10667
4366_RPA4385_PA0781_	-0.14729	-0.03335	0.01374	0.01213
4367_RPA4386_CDS;_4	0.04986	-0.14838	-0.03803	0.04071
4368_RPA4387_CDS;_4	0.02032	-0.47224	-0.06425	0.06809
4369_RPA4388_CDS;_4	-0.06787	0.05386	0.06198	0.08192
4370_RPA4389_CDS;_4	0.04967	0.09029	0.00712	0.03659
4371_RPA4390_CDS;_4	-0.14302	-0.09392	0.21167	0.03973
4372_RPA4391_CDS;_4	-0.16667	0.04836	0.08384	0.05034
4373_RPA4392_CDS;_4	0.01444	-0.05060	0.18143	0.15653
4374_RPA4393_CDS;_4	0.05911	0.02094	-0.05774	0.00706
4375_RPA4394_aceA;_	-0.30873	0.00487	-0.16219	-0.07729
4376_RPA4395_CDS;_4	-0.12383	0.08444	0.02511	0.03592
4377_RPA4396_CDS;_4	-0.01302	-0.28400	-0.10861	0.08949
4378_RPA4397_CDS;_4	-0.32491	0.00498	-0.11327	0.02592
4379_RPA4398_CDS;_4	-0.02676	-0.46978	0.01202	-0.06061
4380_RPA4399_CDS;_4	0.17391	-0.09150	0.04187	-0.01777
4381_RPA4400_CDS;_4	-0.18917	0.01927	0.11538	0.03336
4382_RPA4401_CDS;_4	-0.14784	0.01829	0.12595	0.04963
4383_RPA4402_CDS;_4	-0.19157	0.11285	-0.13836	0.08883
4384_RPA4403_CDS;_4	-0.24994	0.01358	-0.07799	-0.04016
4385_RPA4404_CDS;_4	-0.24465	0.09275	-0.17103	-0.07926
4386_RPA4405_CDS;_4	-0.04593	-0.09390	0.11052	0.03287
4387_RPA4406_CDS;_4	-0.17284	0.05018	-0.05437	-0.04031
4388_RPA4407_CDS;_4	-0.17683	0.00150	0.12952	-0.04618
4389_RPA4408_CDS;_4	-0.13163	-0.49264	-0.11752	0.06055
4390_RPA4409_CDS;_4	-0.16462	0.08484	-0.04530	0.02195
4391_RPA4410_glpD;_	-0.11945	0.05892	0.03536	0.04586
4392_RPA4411_glpR;_	-0.15027	0.03059	0.03445	-0.00645
4393_RPA4412_CDS;_4	-0.21423	0.04808	0.06814	0.06547

4394_RPA4413_CDS;__4	-0.19854	0.02982	0.16896	0.06762
4395_RPA4414_CDS;__4	-0.22015	0.01121	0.05194	-0.00262
4396_RPA4415_CDS;__4	-0.02151	0.12745	-0.13031	0.03723
4397_RPA4416_CDS;__4	-0.15276	0.03685	-0.00370	0.02655
4398_RPA4417_CDS;__4	-0.09803	0.05205	0.05653	0.00254
4399_RPA4418_CDS;__4	0.23799	0.18445	-0.38894	-0.11025
4400_RPA4419_ggt;__4	-0.14572	-0.03669	-0.02826	0.03073
4401_RPA4420_CDS;__4	0.01595	-0.04105	0.17458	0.08666
4402_RPA4421_CDS;__4	-0.16921	-0.07823	-0.05289	0.01947
4403_RPA4422_crp;__	-0.01623	-0.14989	0.15805	-0.06395
4404_RPA4423_CDS;__4	-0.06810	0.03684	-0.06648	-0.15332
4405_RPA4424_CDS;__4	-0.02707	0.03180	0.17317	-0.01528
4406_RPA4425_CDS;__4	-0.10045	0.11325	-0.26172	-0.14348
4407_RPA4426_CDS;__4	-0.30869	0.00407	0.06551	0.04126
4408_RPA4427_ogt;__4	-0.02677	0.07185	0.01043	-0.04724
4409_RPA4428_CDS;__4	-0.12907	0.05897	0.00116	0.02015
4410_RPA4429_CDS;__4	0.07693	0.02095	0.00519	0.04280
4411_RPA4430_CDS;__4	-0.02620	0.07928	0.02062	0.04274
4412_RPA4431_CDS;__4	-0.08336	-0.42357	-0.26642	0.03092
4413_RPA4432_CDS;__5	-0.16733	-0.00317	0.02333	0.01649
4414_RPA4433_clpB;__	-0.21133	0.06403	-0.06573	-0.05648
4415_RPA4434_CDS;__5	-0.01896	-0.05197	0.05725	0.08232
4416_RPA4435_CDS;__5	-0.05622	-0.43557	-0.31764	-0.06965
4417_RPA4436_CDS;__5	-0.04941	-0.07812	0.00851	0.01126
4418_RPA4437_metX;__	-0.15669	0.03658	0.02358	-0.06397
4419_RPA4438_aro;__5	-0.08406	0.07387	-0.02248	0.03638
4420_RPA4439_hisC;__	-0.24269	0.05442	-0.01918	-0.01298
4421_RPA4440_tyrC;__	-0.17065	0.09703	-0.11057	0.03225
4422_RPA4441_corA;__	-0.24029	0.05102	0.01375	0.00638
4423_RPA4442_CDS;__5	-0.21396	0.06207	-0.05947	0.02263
4424_RPA4443_CDS;__5	-0.22006	-0.04251	0.02482	0.06432
4425_RPA4444_CDS;__5	-0.04638	-0.02870	0.05546	0.10120
4426_RPA4445_CDS;__5	0.15506	0.11740	-0.01346	0.00886
4427_RPA4446_CDS;__5	0.07151	-0.45097	-0.22234	-0.02161
4428_RPA4447_CDS;__5	-0.05244	0.00107	0.27703	-0.04779
4429_RPA4448_CDS;__5	0.06437	0.02890	0.13516	-0.04160
4430_RPA4449_CDS;__5	-0.10026	0.01426	-0.06613	0.03878
4431_RPA4450_CDS;__5	-0.01851	0.03915	0.03149	0.07063
4432_RPA4451_CDS;__5	-0.23121	0.06214	0.06192	0.08573
4433_RPA4452_CDS;__5	-0.09903	0.08396	-0.03910	0.04619
4434_RPA4453_CDS;__5	-0.14801	-0.14068	0.07303	0.02937
4435_RPA4454_CDS;__5	0.11649	0.05948	0.13382	-0.07012
4436_RPA4455_CDS;__5	0.01210	-0.16467	-0.04571	0.14836
4437_RPA4456_CDS;__5	0.04999	0.00309	0.08914	0.08918
4438_RPA4457_CDS;__5	-0.22688	0.07652	-0.09562	0.00267
4439_RPA4458_CDS;__5	-0.05278	-0.04370	0.21375	0.17670
4440_RPA4459_dhsU;__	-0.01336	-0.21162	-0.01226	0.08871
4441_RPA4460_dhsU;__	-0.10539	0.07971	-0.05885	0.02538
4442_RPA4461_CDS;__5	0.11458	-0.07279	0.12825	-0.05727
4443_RPA4462_CDS;__5	-0.02743	0.08710	-0.04377	0.02442
4444_RPA4463_CDS;__5	-0.10556	0.08966	-0.12773	-0.02313
4445_RPA4464_soxC;__	-0.14379	0.07521	0.00556	-0.04634
4446_RPA4465_soxB;__	-0.22989	0.04554	0.01715	0.02699
4447_RPA4466_soxZ;__	-0.31654	0.04001	-0.22343	0.08140
4448_RPA4467_soxY;__	-0.27453	0.03701	0.03459	-0.01705
4449_RPA4468_CDS;__5	-0.02995	0.04855	-0.08384	0.04168
4450_RPA4469_CDS;__5	-0.22123	0.06418	-0.00208	0.03887

4451_RPA4470_CDS;_5	-0.01086	0.13404	-0.00462	-0.02251
4452_RPA4471_CDS;_5	0.06884	0.09774	0.01164	0.03831
4453_RPA4472_CDS;_5	-0.04096	0.00396	0.18138	0.10654
4454_RPA4473_CDS;_5	0.35025	0.10559	0.32932	-1.34063
4455_RPA4474_CDS;_5	-0.12444	0.08251	-0.06521	-0.03071
4456_RPA4475_CDS;_5	0.06934	-0.02694	-0.04261	0.03668
4457_RPA4476_CDS;_5	0.22319	0.09433	0.06236	-0.20696
4458_RPA4477_CDS;_5	-0.16131	0.05629	-0.00839	-0.05118
4459_RPA4478_CDS;_5	-0.21243	-0.04162	-0.00378	-0.03822
4460_RPA4479_czcA;_	-0.12075	-0.05950	0.04069	-0.01338
4461_RPA4480_czcB;_	-0.04357	0.03330	0.15945	-0.03635
4462_RPA4481_CDS;_5	-0.02332	-0.20653	-0.01086	-0.06037
4463_RPA4482_CDS;_5	-0.07477	0.10440	-0.03605	-0.00664
4464_RPA4483_CDS;_5	-0.07204	0.07638	0.00860	0.00341
4465_RPA4484_CDS;_5	0.05588	0.14516	-0.06456	0.09398
4466_RPA4485_mutY;_	-0.13149	0.01206	0.18011	0.08475
4467_RPA4486_CDS;_5	-0.06272	-0.02088	0.10420	0.17076
4468_RPA4487_CDS;_5	-0.27446	0.08943	-0.07143	0.02686
4469_RPA4488_CDS;_5	0.32540	0.04445	0.16574	0.09826
4470_RPA4489_CDS;_5	-0.25243	0.06751	-0.02441	0.06086
4471_RPA4490_CDS;_5	0.01827	-0.06964	0.12318	0.10142
4472_RPA4491_CDS;_5	-0.08262	-0.29891	-0.06321	-0.03487
4473_RPA4492_apt;_5	-0.29670	0.02672	0.07097	0.02873
4474_RPA4493_CDS;_5	-0.22431	-0.49484	-0.20814	0.03763
4475_RPA4494_CDS;_5	-0.27940	-0.02811	-0.01644	0.03686
4476_RPA4495_htpX;_	-0.16441	0.01674	0.10332	0.06724
4477_RPA4498_trpG;_	-0.21212	0.07792	-0.03427	0.04058
4478_RPA4499_CDS;_5	0.68761	0.12792	-0.05248	-0.14574
4479_RPA4500_CDS;_5	0.37905	-0.45158	0.13400	0.15451
4480_RPA4501_CDS;_5	-0.24733	0.08855	0.01681	0.07391
4481_RPA4502_CDS;_5	-0.19525	0.08483	-0.04455	-0.09532
4482_RPA4503_CDS;_5	0.03799	-0.04139	-0.24580	0.03130
4483_RPA4504_CDS;_5	-0.17147	0.02228	-0.04739	0.01122
4484_RPA4505_CDS;_5	0.07522	-0.04287	0.14155	-0.19461
4485_RPA4506_CDS;_5	-0.10960	0.06779	0.05069	-0.01915
4486_RPA4507_CDS;_5	-0.09021	-0.15351	0.09550	0.10260
4487_RPA4508_CDS;_5	0.14666	-0.05251	0.06887	0.09180
4488_RPA4509_CDS;_5	-0.24234	0.03210	0.05154	0.02224
4489_RPA4510_CDS;_5	-0.13653	0.08103	-0.15566	0.16953
4490_RPA4511_CDS;_5	-0.05000	-0.19967	0.02668	0.08748
4491_RPA4512_CDS;_5	-0.00755	-0.11506	0.38263	0.05095
4492_RPA4513_CDS;_5	0.17449	-0.03530	0.19111	-0.04287
4493_RPA4514_CDS;_5	0.00042	0.08316	0.05651	0.03321
4494_RPA4515_CDS;_5	-0.08235	-0.01199	0.02850	0.06405
4495_RPA4516_vieA;_	-0.06094	-0.10976	0.09774	0.00919
4496_RPA4517_CDS;_5	-0.11058	-0.01411	-0.04690	0.06462
4497_RPA4518_CDS;_5	0.02777	-0.43137	-0.10672	0.14336
4498_RPA4519_CDS;_5	-0.20893	-0.03018	-0.02874	-0.07271
4499_RPA4520_CDS;_5	-0.03828	0.06393	0.08415	-0.04443
4500_RPA4521_CDS;_5	-0.30776	-0.00180	0.13460	0.07317
4501_RPA4522_cbbY;_	-0.01062	0.10174	-0.02547	0.03109
4502_RPA4523_CDS;_5	0.14106	-0.24978	0.48946	-0.13904
4503_RPA4524_CDS;_5	-0.09623	-0.09028	0.02765	0.06266
4504_RPA4525_CDS;_5	0.43728	-0.01314	0.10687	0.13026
4505_RPA4526_CDS;_5	0.87306	0.08240	0.02151	-0.06147
4506_RPA4527_maf;_5	-0.11608	-0.17376	-0.19026	0.03842
4507_RPA4528_CDS;_5	0.00249	-0.04178	0.02985	-0.01110

4508_RPA4529_arsC;_5	-0.26354	0.07611	-0.03662	0.03538
4509_RPA4530_CDS;_5	-0.21046	0.03270	0.07649	0.06212
4510_RPA4531_hisD;_5	-0.07684	0.05440	0.02051	-0.06890
4511_RPA4532_CDS;_5	-0.07337	0.08129	-0.03844	0.04944
4512_RPA4533_murA;_5	-0.24805	0.04226	-0.00401	-0.01131
4513_RPA4534_CDS;_5	0.31284	0.01243	0.09536	0.04059
4514_RPA4535_CDS;_5	0.08639	0.11362	-0.24816	0.08594
4515_RPA4536_CDS;_5	-0.05001	0.03035	0.10980	0.02088
4516_RPA4537_CDS;_5	0.04019	-0.09789	0.02809	0.13554
4517_RPA4538_CDS;_5	0.20483	0.06369	-0.14640	0.04441
4518_RPA4539_CDS;_5	0.40499	0.08810	0.18825	-0.15043
4519_RPA4540_CDS;_5	0.53669	0.13478	-0.16835	0.05796
4520_RPA4541_rlgA;_5	0.42922	0.14531	0.02040	0.10603
4521_RPA4542_CDS;_5	0.64388	0.13152	-0.14088	0.07107
4522_RPA4543_CDS;_5	0.46750	0.09014	0.14993	0.14431
4523_RPA4544_CDS;_5	0.21805	0.04996	0.18801	0.12852
4524_RPA4545_CDS;_5	1.00880	0.14976	0.40829	-0.63727
4525_RPA4546_CDS;_5	0.23579	0.15549	-0.07240	0.03802
4526_RPA4547_CDS;_5	0.61875	0.06470	-0.02769	0.01976
4527_RPA4548_CDS;_5	0.66742	0.20296	-0.12476	0.09437
4528_RPA4549_CDS;_5	0.18041	0.09287	0.02057	0.07200
4529_RPA4550_CDS;_5	0.16492	-0.02688	0.06079	0.04723
4530_RPA4551_CDS;_5	-0.19652	0.03246	0.08476	0.00993
4531_RPA4552_CDS;_5	-0.07924	0.01964	0.12273	0.02219
4532_RPA4553_CDS;_5	-0.20939	0.07585	-0.03606	0.06288
4533_RPA4554_dctM;_5	-0.14022	0.07604	-0.09084	-0.05696
4534_RPA4555_CDS;_5	-0.07159	0.08072	-0.00569	-0.19065
4535_RPA4556_CDS;_5	-0.10870	-0.21189	-0.02675	0.08967
4536_RPA4557_CDS;_5	-0.09128	0.07164	0.02424	0.01250
4537_RPA4558_CDS;_5	-0.13221	0.06776	0.02263	0.04377
4538_RPA4559_CDS;_5	-0.04049	0.06867	0.05790	-0.05389
4539_RPA4560_iclR;_5	0.00049	0.08371	-0.00690	0.05723
4540_RPA4561_CDS;_5	-0.14910	-0.24024	-0.07680	-0.01735
4541_RPA4562_apbA/pa	-0.06241	-0.07756	0.12608	-0.00046
4542_RPA4563_exoI;_5	-0.14055	0.06025	0.10562	-0.10874
4543_RPA4564_CDS;_5	-0.03972	0.07104	0.01913	-0.06525
4544_RPA4565_CDS;_5	0.05275	-0.15615	-0.01180	0.06243
4545_RPA4566_ackA;_5	-0.01034	-0.11229	0.06057	-0.04583
4546_RPA4567_pta;_5	-0.03018	0.06525	0.01486	-0.17400
4547_RPA4568_CDS;_5	-0.08742	-0.12539	-0.03990	0.00875
4548_RPA4569_CDS;_5	0.04081	0.05153	0.16875	-0.21804
4549_RPA4570_CDS;_5	-0.07582	0.07169	0.02091	0.07508
4550_RPA4571_CDS;_5	0.19426	0.12169	-0.14328	-0.10522
4551_RPA4572_htrA/de	-0.06953	0.00323	-0.09685	-0.14086
4552_RPA4573_CDS;_5	-0.10511	-0.19301	-0.21995	-0.08463
4553_RPA4574_CDS;_5	0.32721	-0.07311	-0.47181	0.01797
4554_RPA4575_CDS;_5	0.01013	0.07547	0.08702	0.04509
4555_RPA4576_CDS;_5	0.03749	0.01374	0.21032	0.10650
4556_RPA4577_CDS;_5	-0.01224	-0.11867	0.05159	0.00977
4557_RPA4578_CDS;_5	-0.28644	0.07087	-0.04813	0.04390
4558_RPA4579_CDS;_5	0.11824	0.08493	0.05700	-0.05112
4559_RPA4580_CDS;_5	0.04611	-0.19713	-0.05251	0.05968
4560_RPA4581_CDS;_5	0.13428	-0.49979	0.03074	0.05500
4561_RPA4582_gale;_5	-0.07219	-0.08943	-0.06840	0.10155
4562_RPA4583_CDS;_5	-0.01731	-0.11715	-0.04864	0.06784
4563_RPA4584_CDS;_5	0.12816	0.05010	0.14661	-0.10384
4564_RPA4585_CDS;_5	0.01869	0.00174	-0.04234	-0.20002

4565_RPA4586_CDS;_5	0.31686	0.15077	-0.06904	0.03268
4566_RPA4587_CDS;_5	0.10285	-0.14089	-0.02888	0.11892
4567_RPA4588_CDS;_5	0.26546	0.08282	0.08446	-0.31063
4568_RPA4589_CDS;_5	0.01525	-0.00065	0.09578	0.01802
4569_RPA4590_CDS;_5	0.25937	-0.11270	-0.10120	0.03248
4570_RPA4591_metY;_	-0.05843	0.06375	-0.03397	-0.05516
4571_RPA4592_CDS;_5	0.10580	-0.04294	0.10676	0.07145
4572_RPA4593_CDS;_5	-0.00667	-0.07694	0.12924	-0.08590
4573_RPA4594_CDS;_5	0.13617	-0.02072	-0.10186	-0.15810
4574_RPA4595_CDS;_5	0.07417	-0.15102	-0.20116	-0.01421
4575_RPA4596_fabG;_	-0.09790	0.02061	-0.07566	-0.12506
4576_RPA4597_CDS;_5	-0.06676	-0.03336	0.08970	-0.03333
4577_RPA4598_CDS;_5	-0.09142	0.06569	-0.00192	-0.07578
4578_RPA4599_CDS;_5	0.02653	0.05398	-0.33864	-0.15843
4579_RPA4600_CDS;_5	-0.14396	0.05367	0.02744	0.04970
4580_RPA4601_CDS;_5	-0.01762	0.12121	-0.07875	0.05461
4581_RPA4602_fixX;_	-0.04925	0.06222	0.21962	-0.34492
4582_RPA4603_fixC;_	-0.22436	-0.20869	-0.16619	-0.00898
4583_RPA4604_fixB;_	-0.13159	-0.02284	-0.19734	-0.00661
4584_RPA4605_fixA;_	-0.19801	-0.08740	-0.00566	0.06261
4585_RPA4606_nifW;_	0.06827	-0.43274	-0.07379	-0.05992
4586_RPA4607_nifV;_	0.02006	0.10706	-0.06663	-0.04790
4587_RPA4608_nifS;_	-0.03621	-0.05758	-0.11751	-0.08021
4588_RPA4609_nifU;_	0.01617	0.02857	-0.05687	-0.03212
4589_RPA4610_CDS;_5	-0.04111	-0.11457	-0.07338	0.06497
4590_RPA4611_nifQ;_	-0.13360	-0.00643	-0.09460	-0.11281
4591_RPA4612_fdxB;_	-0.35969	-0.02886	-0.11742	0.01671
4592_RPA4613_CDS;_5	-0.13134	0.01487	-0.03572	0.23529
4593_RPA4614_CDS;_5	-0.17853	0.02932	-0.12644	-0.05376
4594_RPA4615_nifX;_	-0.13229	0.14920	-0.14850	0.11248
4595_RPA4616_nifN;_	-0.07304	0.03726	0.11840	-0.09283
4596_RPA4617_nifE;_	-0.18380	-0.01761	-0.11314	0.03942
4597_RPA4618_nifK;_	-0.30660	0.08578	-0.14940	-0.05030
4598_RPA4619_nifD;_	-0.26078	0.10521	-0.20772	-0.07078
4599_RPA4620_nifH;_	-0.24505	-0.00545	-0.14297	0.03012
4600_RPA4621_CDS;_5	0.00840	-0.21919	0.05714	0.02472
4601_RPA4622_CDS;_5	0.26399	0.12411	0.07788	0.28356
4602_RPA4623_fixU,_n	-0.27379	-0.04460	-0.09203	-0.05194
4603_RPA4624_CDS;_5	-0.08175	0.03881	0.28736	0.16105
4604_RPA4625_nifZ;_	-0.23214	0.01656	-0.25951	-0.24044
4605_RPA4626_CDS;_5	0.00582	-0.11318	0.13815	0.05346
4606_RPA4627_CDS;_5	0.11323	0.05071	0.20884	0.11393
4607_RPA4628_hesB;_	-0.15691	-0.14217	0.00036	-0.00176
4608_RPA4629_ferN;_	-0.29733	0.03830	-0.19176	0.03800
4609_RPA4630_nifB;_	-0.22004	0.07368	-0.03584	-0.01535
4610_RPA4631_fer1;_	-0.22722	0.08084	-0.26512	-0.02551
4611_RPA4632_nifA;_	-0.11915	-0.05215	-0.00918	0.01596
4612_RPA4633_fixR;_	-0.08383	-0.07784	0.01425	0.01605
4613_RPA4634_CDS;_5	-0.02035	-0.22465	0.03809	0.06304
4614_RPA4635_feoB;_	-0.16811	-0.04875	-0.02451	-0.04319
4615_RPA4636_CDS;_5	-0.14796	-0.08307	0.13572	-0.01656
4616_RPA4637_CDS;_5	-0.10125	0.12907	-0.27013	-0.10780
4617_RPA4638_CDS;_5	0.00822	-0.00529	-0.00391	-0.06311
4618_RPA4639_CDS;_5	-0.03072	0.02168	-0.12466	-0.07723
4619_RPA4640_CDS;_5	0.20970	0.01951	0.06930	-0.27618
4620_RPA4641_cbbM;_	-0.35507	0.10136	-0.18579	-0.03889
4621_RPA4642_cbbA;_	-0.33926	-0.06052	-0.16289	-0.01815

4622_RPA4643_cbbT1;	-0.31157	0.07500	-0.16463	-0.06718
4623_RPA4644_cbbP;	-0.24949	0.00961	-0.11294	0.01376
4624_RPA4645_cbbF;	-0.15803	0.06724	-0.06737	-0.07611
4625_RPA4646_CDS;_5	-0.14409	0.03041	0.13929	0.03538
4626_RPA4647_CDS;_5	-0.09121	0.08360	-0.02187	0.04586
4627_RPA4648_CDS;_5	-0.07718	0.13066	-0.11464	0.06880
4628_RPA4649_CDS;_5	-0.12875	0.00601	0.11739	-0.02389
4629_RPA4650_potA;	-0.10397	0.05884	0.04975	0.02434
4630_RPA4651_CDS;_5	0.10053	0.08901	0.12470	-0.11295
4631_RPA4652_CDS;_5	-0.15208	0.08442	-0.04057	-0.09743
4632_RPA4653_bisC;	-0.08671	-0.06478	0.02651	-0.00712
4633_RPA4654_CDS;_5	-0.19037	0.06615	0.06706	0.06685
4634_RPA4655_fucA;	0.00729	0.13571	-0.09112	0.12133
4635_RPA4656_CDS;_5	-0.13556	0.09653	-0.09752	0.01689
4636_RPA4657_kduD;	-0.13492	0.10632	-0.09387	0.00075
4637_RPA4658_CDS;_5	-0.08277	0.03297	0.06921	-0.00568
4638_RPA4659_CDS;_5	0.29725	0.06692	0.18233	0.08347
4639_RPA4660_otsA;	0.02138	0.05053	0.08791	-0.08964
4640_RPA4661_otsB;	0.38406	-0.14162	-0.12662	0.04367
4641_RPA4662_CDS;_5	0.08425	0.08461	0.06095	-0.16261
4642_RPA4663_CDS;_5	-0.06736	0.06757	0.06195	-0.05840
4643_RPA4664_CDS;_5	0.36955	0.09646	0.14553	-0.14261
4644_RPA4665_leuA;	-0.03511	0.08341	-0.00340	0.07323
4645_RPA4666_coxS,_c	-0.18125	0.09925	-0.10994	0.00601
4646_RPA4667_coxL,_c	-0.21220	-0.01405	-0.04585	0.02525
4647_RPA4668_coxM,_c	-0.27516	-0.02705	-0.06457	0.01921
4648_RPA4669_CDS;_5	-0.28271	0.07654	-0.08505	0.01525
4649_RPA4670_fahA;	-0.12853	0.02011	0.13806	-0.00266
4650_RPA4671_maiA;	-0.02817	0.06088	0.04443	0.06168
4651_RPA4672_hmgA;	-0.20020	0.05233	-0.02760	-0.01465
4652_RPA4673_cphA1;	-0.20266	-0.10556	0.00664	0.05455
4653_RPA4674_CDS;_5	0.06258	-0.05240	0.23644	0.09396
4654_RPA4675_CDS;_5	-0.04986	-0.12166	0.11850	-0.04746
4655_RPA4676_CDS;_5	0.06855	0.05539	0.05973	-0.08925
4656_RPA4677_CDS;_5	0.04024	0.04100	0.20010	-0.08330
4657_RPA4678_CDS;_5	-0.06136	0.00885	0.04322	-0.01004
4658_RPA4679_CDS;_5	-0.03253	-0.08944	-0.05116	0.01738
4659_RPA4680_CDS;_5	-0.20780	-0.05003	0.03482	0.00823
4660_RPA4681_CDS;_5	0.04966	0.00173	0.09889	-0.07736
4661_RPA4682_CDS;_5	0.03901	0.13408	-0.06299	0.05916
4662_RPA4683_CDS;_5	0.17816	0.18999	-0.22644	0.10120
4663_RPA4684_CDS;_5	-0.06512	0.05559	0.07586	0.11233
4664_RPA4685_lyss;	-0.24097	0.01567	0.06988	-0.01176
4665_RPA4686_CDS;_5	-0.18369	-0.00119	0.13604	0.03019
4666_RPA4687_CDS;_5	0.06031	-0.00168	0.16289	0.05012
4667_RPA4688_CDS;_5	-0.15146	0.05199	-0.02422	-0.03564
4668_RPA4689_CDS;_5	-0.05185	-0.03595	-0.08547	0.07103
4669_RPA4690_CDS;_5	0.79807	0.19775	0.17091	-0.04447
4670_RPA4691_CDS;_5	-0.03602	0.08599	0.01318	0.04070
4671_RPA4692_CDS;_5	0.08935	0.13523	-0.39275	0.02356
4672_RPA4693_CDS;_5	-0.12088	0.02166	0.08260	-0.04608
4673_RPA4694_CDS;_5	0.09048	-0.00277	0.08534	0.13783
4674_RPA4695_ligR;	-0.13252	0.02691	0.13384	0.04842
4675_RPA4696_FldA;	-0.14419	0.04270	0.06517	0.06816
4676_RPA4697_ligJ;	-0.28157	-0.02970	-0.00135	0.03508
4677_RPA4698_FldZ;	-0.15010	0.07452	-0.01859	0.09082
4678_RPA4699_FldX;	-0.06384	0.07425	0.08555	0.01549

4679_RPA4700_ligI;__	-0.14637	0.07611	0.02060	0.12489
4680_RPA4701_ligA;__	-0.23304	0.05769	-0.05554	-0.07819
4681_RPA4702_ligB;__	-0.20513	0.08285	-0.01306	-0.10746
4682_RPA4703_ligC;__	-0.26190	-0.01791	-0.09459	0.02403
4683_RPA4704_CDS;__5	0.05349	0.04018	-0.05673	0.02514
4684_RPA4705_hisE;__	-0.03437	-0.04031	-0.00359	0.00150
4685_RPA4706_CDS;__5	-0.17583	0.07025	-0.01660	0.07969
4686_RPA4707_CDS;__5	0.18085	-0.03503	0.12809	0.04463
4687_RPA4708_CDS;__5	-0.14429	-0.14635	-0.30198	-0.04307
4688_RPA4709_CDS;__5	-0.12125	0.06913	-0.06684	-0.01953
4689_RPA4710_CDS;__5	-0.09918	0.08578	-0.06496	0.02625
4690_RPA4711_CDS;__5	0.06989	0.09265	-0.02380	-0.13514
4691_RPA4712_CDS;__5	-0.00171	0.03528	0.09458	-0.02379
4692_RPA4713_CDS;__5	0.15256	0.02038	0.14670	0.11965
4693_RPA4714_CDS;__5	-0.15503	0.01351	0.08830	-0.14860
4694_RPA4715_modC;__	0.07301	-0.16155	0.15553	0.03137
4695_RPA4716_modB;__	-0.02697	-0.08935	0.06537	-0.03299
4696_RPA4717_modA;__	-0.25909	0.05921	-0.04358	-0.00708
4697_RPA4718_mopA/mo	-0.15840	0.08911	0.03341	0.06526
4698_RPA4719_CDS;__5	-0.27977	0.00759	-0.11324	0.04194
4699_RPA4720_CDS;__5	-0.04734	0.04596	0.11307	0.04733
4700_RPA4721_CDS;__5	-0.23830	0.01725	-0.10108	0.00704
4701_RPA4722_CDS;__5	-0.28061	0.02483	-0.02957	0.04358
4702_RPA4723_polA;__	-0.16437	0.05867	0.02932	0.03802
4703_RPA4724_pyrE;__	-0.22124	0.06547	-0.01395	0.06845
4704_RPA4725_CDS;__5	-0.15333	0.06947	0.03520	-0.09444
4705_RPA4726_CDS;__5	-0.07210	-0.04038	-0.18246	0.13639
4706_RPA4727_glgA;__	-0.23030	0.06264	0.02476	0.07293
4707_RPA4728_CDS;__5	-0.19111	0.03151	0.09506	0.01564
4708_RPA4729_rocF;__	-0.24502	0.02190	0.10142	0.04565
4709_RPA4730_CDS;__5	-0.30568	0.06311	0.00867	0.04488
4710_RPA4731_CDS;__5	-0.16202	0.03610	0.07532	-0.05889
4711_RPA4732_CDS;__5	-0.15907	0.06475	0.03689	0.10274
4712_RPA4733_plsC;__	-0.24084	0.03911	0.09676	0.02619
4713_RPA4734_CDS;__5	0.00261	0.09966	-0.05253	-0.06406
4714_RPA4735_CDS;__5	0.96653	0.22350	-0.47292	-0.46814
4715_RPA4736_ftsE;__	-0.20295	-0.06517	-0.01031	-0.02873
4716_RPA4737_CDS;__5	0.01688	-0.22498	0.07085	0.12278
4717_RPA4738_CDS;__5	-0.18251	0.01262	-0.01503	-0.36565
4718_RPA4739_CDS;__5	-0.16985	-0.02094	0.01272	0.03494
4719_RPA4740_pcaC;__	-0.24119	0.04882	0.15406	0.03168
4720_RPA4741_lysA;__	-0.20119	-0.03375	-0.04193	0.03356
4721_RPA4742_CDS;__5	0.24273	0.11593	0.04800	0.09254
4722_RPA4743_argH;__	-0.21223	0.03157	0.05294	-0.02733
4723_RPA4744_CDS;__5	-0.09052	0.06955	0.05513	0.05357
4724_RPA4745_CDS;__5	0.17743	0.11726	-0.03046	-0.33511
4725_RPA4746_CDS;__5	-0.01540	0.06749	0.09365	0.00084
4726_RPA4747_CDS;__5	-0.04765	0.01129	0.21911	0.10223
4727_RPA4748_hbdA;__	-0.15834	-0.01244	-0.21621	0.03970
4728_RPA4749_etfA;__	-0.19041	0.10152	-0.18760	-0.11063
4729_RPA4750_etfB;__	-0.31579	0.04483	-0.32147	-0.12885
4730_RPA4751_CDS;__5	-0.01761	0.08961	-0.05030	0.02146
4731_RPA4752_rbn;__5	-0.02615	-0.06835	0.16555	0.13458
4732_RPA4753_CDS;__5	-0.06602	0.03421	0.09795	0.06349
4733_RPA4754_CDS;__5	-0.01926	-0.01426	0.20048	0.05544
4734_RPA4755_CDS;__5	0.11181	0.06817	0.10053	0.15581
4735_RPA4756_CDS;__5	0.04538	-0.17877	-0.07045	0.15561

4736_RPA4757_CDS;_5	-0.05413	-0.19466	-0.02522	0.01852
4737_RPA4758_CDS;_5	-0.06638	0.05949	-0.16783	-0.28648
4738_RPA4759_CDS;_5	-0.06180	-0.00042	0.16456	0.05097
4739_RPA4760_CDS;_5	-0.26170	-0.02599	-0.13086	-0.11339
4740_RPA4761_CDS;_5	0.55709	0.10770	-0.08369	-0.04325
4741_RPA4762_ogt;_5	-0.02926	0.07478	0.08030	0.07534
4742_RPA4763_CDS;_5	-0.10879	-0.00543	0.17564	0.09865
4743_RPA4764_CDS;_5	-0.11316	0.08044	-0.00402	0.06972
4744_RPA4765_CDS;_5	-0.23503	0.03212	0.09531	0.07667
4745_RPA4766_metZ;_5	-0.15613	-0.12852	-0.03605	0.03676
4746_RPA4767_CDS;_5	-0.12377	0.08460	-0.03471	0.06162
4747_RPA4768_CDS;_5	0.05925	-0.19136	-0.00393	0.02727
4748_RPA4769_ogpC;_5	-0.01255	-0.11523	0.11172	0.08657
4749_RPA4770_apaG;_5	-0.17608	-0.01484	-0.00363	0.07416
4750_RPA4771_CDS;_5	-0.21270	0.05538	-0.02206	0.03800
4751_RPA4772_argF;_5	-0.28283	0.04187	-0.03049	-0.01583
4752_RPA4773_argD;_5	-0.07091	0.07049	0.05247	0.08746
4753_RPA4774_CDS;_5	0.21226	0.10764	0.01587	-0.01229
4754_RPA4775_phoB;_5	-0.11557	0.04418	0.11167	0.10007
4755_RPA4776_phoU;_5	-0.30985	0.04583	-0.08821	-0.07915
4756_RPA4777_pstB;_5	-0.23328	0.02958	0.06433	0.04746
4757_RPA4778_pstA;_5	-0.25373	0.01107	0.05649	-0.05058
4758_RPA4779_pstC;_5	-0.20768	-0.12336	-0.11411	-0.01711
4759_RPA4780_pstS;_5	-0.32565	0.03356	-0.21988	-0.01968
4760_RPA4781_phoR;_5	0.04337	-0.08824	-0.13124	-0.12170
4761_RPA4782_CDS;_5	0.04961	0.05669	0.13266	0.02163
4762_RPA4783_CDS;_5	0.08833	-0.60416	-0.06040	0.01764
4763_RPA4784_CDS;_5	-0.05725	0.08236	-0.00793	0.04929
4764_RPA4785_CDS;_5	-0.05821	-0.08583	0.12995	0.05531
4765_RPA4786_rhlG;_5	-0.16135	-0.17582	-0.18277	0.03999
4766_RPA4787_CDS;_5	-0.20681	-0.02758	0.03415	0.05680
4767_RPA4788_ugpB;_5	-0.07226	0.08905	-0.05927	0.07063
4768_RPA4789_CDS;_5	-0.08036	-0.00473	0.04023	-0.01732
4769_RPA4790_CDS;_5	-0.16667	-0.09270	0.04014	0.06021
4770_RPA4791_CDS;_5	-0.09788	0.09660	0.00292	0.08109
4771_RPA4792_CDS;_5	-0.11522	0.07228	0.02008	0.01407
4772_RPA4793_QxtA;_5	-0.04162	-0.00391	-0.02597	-0.07222
4773_RPA4794_qxtB;_5	-0.10889	0.02256	0.21605	-0.05067
4774_RPA4795_CDS;_5	0.45485	-0.01530	0.20361	0.21511
4775_RPA4796_CDS;_5	-0.06605	0.11032	-0.03023	0.13737
4776_RPA4797_CDS;_5	-0.19815	0.08618	-0.07584	0.02092
4777_RPA4798_CDS;_5	-0.13386	0.07487	0.01670	-0.03240
4778_RPA4799_CDS;_5	-0.15943	0.11125	-0.12460	-0.00542
4779_RPA4800_CDS;_5	0.06513	0.04844	0.16616	-0.10031
4780_RPA4801_CDS;_5	-0.11612	0.05492	-0.01126	-0.02505
4781_RPA4802_CDS;_5	0.05556	-0.52505	0.06822	0.07678
4782_RPA4803_CDS;_5	-0.05249	0.09698	-0.03776	-0.01871
4783_RPA4804_CDS;_5	-0.07265	0.04769	-0.05149	-0.16078
4784_RPA4805_CDS;_5	-0.23597	0.09533	0.13253	0.08886
4785_RPA4806_CDS;_5	0.13970	-0.15959	0.12247	-0.17588
4786_RPA4807_CDS;_5	-0.27407	0.06704	-0.01052	0.04347
4787_RPA4808_CDS;_5	-0.05201	-0.08098	0.09358	0.08563
4788_RPA4809_CDS;_5	-0.02665	0.07992	0.00215	0.05615
4789_RPA4810_CDS;_5	-0.04975	0.03189	0.15430	0.03686
4790_RPA4811_CDS;_5	0.04556	0.01728	-0.04172	0.02473
4791_RPA4812_CDS;_5	-0.06757	-0.07349	0.11363	0.04580
4792_RPA4813_CDS;_5	-0.12819	0.06258	-0.06149	-0.11762

4793_RPA4814_CDS;__5	0.09453	-0.11888	0.02402	-0.12613
4794_RPA4815_htpG;__	-0.10102	-0.47914	-0.15053	0.00158
4795_RPA4816_CDS;__5	-0.15814	0.00625	0.11893	0.02925
4796_RPA4817_CDS;__5	-0.13915	-0.02706	0.00398	-0.01528
4797_RPA4818_CDS;__5	-0.01279	-0.02840	0.16014	-0.68279
4798_RPA4819_CDS;__5	0.39275	0.07971	-0.08398	0.10877
4799_RPA4820_eIF-2B;	-0.11839	0.07966	-0.03102	0.02211
4800_RPA4821_CDS;__5	-0.11568	0.08586	-0.05162	0.03360
4801_RPA4822_CDS;__5	-0.01665	-0.06632	-0.11782	-0.06586
4802_RPA4823_CDS;__5	-0.14180	0.00674	0.04807	0.04715
4803_RPA4824_CDS;__5	0.00387	0.11449	-0.02337	-0.08542
4804_RPA4825_CDS;__5	0.07572	0.01077	0.34238	-0.26364
4805_RPA4826_recQ;__	-0.10075	0.00891	0.06046	0.09537
4806_RPA4827_CDS;__5	-0.06549	-0.13453	0.24102	-0.17390
4807_RPA4828_CDS;__5	0.27474	0.16845	0.09673	0.05237
4808_RPA4829_caiC;__	-0.18631	0.03005	0.09648	0.06706
4809_RPA4830_CDS;__5	-0.03374	0.06153	0.01106	0.02202
4810_RPA4831_CDS;__5	0.20160	0.00168	0.10999	0.10746
4811_RPA4832_clcD;__	0.06465	-0.14911	0.16463	0.08500
4812_RPA4833_CDS;__5	-0.01567	0.04519	0.09035	0.01471
4813_RPA4834_msra,_p	-0.06637	-0.11152	0.12105	-0.15567
4814_RPA4835_CDS;__5	-0.26446	-0.07188	0.04009	-0.03232
4815_RPA4836_rpst;__	-0.14033	-0.04206	0.03443	-0.02242