

#	NAME	Q_TRACE	PRED_RT	Constitutive starvation, date point 1 (c1)			
				Avg Resp nS	Avg Resp -S	R -S/nS	P-value
1	1090DK05#4896#1-t-caffeoquinic	307	46.502	0.000060573	0.000095699	1.58	0.067
2	1090DK05#4896#1-t-caffeoquinic	324	46.502	0.000053783	0.000041068	0.76	0.369
3	1090DK05#4896#1-t-caffeoquinic	219	46.502	0.000521300	0.001664611	3.19	0.064
4	1164CC35#1780#arginine 5	256	26.181	0.165292724	0.032057299	0.19	0.007
5	1164CC35#1780#arginine 5	157	26.181	0.201511549	0.055256322	0.27	0.048
6	1164CC37#1216	243	20.159	0.166784596	0.351016237	2.10	0.010
7	1164CC37#1220	142	20.257	0.005587138	0.074055187	13.25	0.000
8	1164CC37#1267	232	20.717	0.038140107	0.026666912	0.70	0.687
9	1164CC37#1280	155	20.807	0.605126957	1.992530736	3.29	0.063
10	1164CC37#1378	301	21.835	0.089781637	0.394717723	4.40	0.031
11	1164CC37#1378	227	21.835	0.137638689	0.964206147	7.01	0.023
12	1164CC37#1378	344	21.835	0.061929442	0.515496204	8.32	0.019
13	1164CC37#1705#glutamine 3	156	25.296	2.741375736	3.056730814	1.12	0.703
14	1164CC37#1705#glutamine 3	245	25.296	0.761116492	4.867542122	6.40	0.000
15	1164CC37#1965	204	28.073	1.659389898	1.402389380	0.85	0.572
16	1194BK05#2052#ornithine 4	420	25.990	0.242915355	0.015408520	0.06	0.291
17	1194BK05#2052#ornithine 4	142	25.990	1.019464985	0.302680726	0.30	0.020
18	1194BK05#2052#ornithine 4	174	25.990	0.481237580	0.157284102	0.33	0.050
19	1194BK09#2389#glutamine 4	227	28.996	0.089305237	0.464465102	5.20	0.027
20	1194BK09#2389#glutamine 4	317	28.996	0.030046604	0.115324438	3.84	0.034
21	1194BK09#2389#glutamine 4	156	28.996	0.023985160	0.117810810	4.91	0.025
22	1194BK11#1453#t-4-HO-proline	230	20.567	0.370785675	1.279342915	3.45	0.000
23	1194BK11#1453#t-4-HO-proline	140	20.567	0.083518040	0.296852502	3.55	0.000
24	1194BK11#1453#t-4-HO-proline	304	20.567	0.796098505	0.000246428	0.00	0.374
25	1194BK15#1922#arginine 3	174	24.834	0.262651227	0.012709694	0.05	0.040
26	1194BK15#1922#ornithine 3	174	24.834	0.281603412	0.012709694	0.05	0.019
27	1194BK15#1922#ornithine 3	186	24.834	0.083850699	0.003827030	0.05	0.011
28	1194BK15#1922#ornithine 3	348	24.834	0.093620136	0.001002717	0.01	0.254
29	1194BK15#2050#arginine 4	142	25.990	0.931218393	0.302680726	0.33	0.074
30	1194BK20#2225#gal MX2	160	27.625	2.183457591	2.912987491	1.33	0.253
31	1215BK02#1748#arabinose MX	217	23.253	0.042349864	0.046116585	1.09	0.472
32	1215BK02#1748#arabinose MX	307	23.253	0.019893930	0.024408552	1.23	0.354
33	1215BK02#1753#arabinose MX	160	23.253	0.019228301	0.011502291	0.60	0.324
34	1215BK03#1782#ribose MX	217	23.568	0.020876991	0.028263215	1.35	0.211
35	1215BK04#1717#xylose MX1	307	22.988	0.004159023	0.004921184	1.18	0.406
36	1215BK04#1717#xylose MX1	160	22.988	0.001948443	0.001679009	0.86	0.124
37	1215BK04#1738#xylose MX2	160	23.178	0.010483076	0.011502291	1.10	0.616
38	1215BK05#3504#maltose MX1	480	39.300	0.000751953	0.000389543	0.52	0.229
39	1215BK05#3540#maltose MX2	204	39.594	0.006360726	0.004424860	0.70	0.653
40	1215BK07#1896#fucose MX1	160	24.395	0.014726288	0.013727698	0.93	0.179
41	1215BK07#1896#fucose MX1	160	24.395	0.146827301	0.013727698	0.09	0.371
42	1215BK07#1896#fucose MX2	160	24.595	0.008602422	0.002858122	0.33	0.372
43	1215BK07#1896#fucose MX2	117	24.595	0.025165347	0.029441368	1.17	0.541
44	1215BK09#2256#mannitol	319	27.889	0.058854011	0.022734495	0.39	0.448
45	1215BK09#2256#mannitol	307	27.889	0.001941115	0.051696029	26.63	0.381
46	1215BK09#2256#mannitol	421	27.889	0.001267728	0.000354706	0.28	0.167
47	1215BK11#1416#erythritol	205	20.277	0.010533911	0.010195165	0.97	0.893
48	1215BK11#1416#erythritol	320	20.277	0.001253178	0.000809240	0.65	0.091
49	1215BK11#1416#erythritol	293	20.277	0.001783531	0.001485609	0.83	0.112
50	1215BK12#2269#sorbitol	319	28.002	0.013559185	0.022734495	1.68	0.106
51	1215BK12#2269#sorbitol	307	28.002	0.001878938	0.001137032	0.61	0.433
52	1215BK12#2269#sorbitol	419	28.002	0.002856326	0.000308026	0.11	0.368
53	1215BK13#2273#galactitol	307	28.086	0.003540478	0.000576700	0.16	0.026
54	1215BK13#2273#galactitol	421	28.086	0.001124652	0.000211464	0.19	0.334
55	1215BK13#2273#galactitol	331	28.086	0.003528779	0.002442797	0.69	0.334
56	1215BK14#1835#xylitol	307	24.083	0.000698802	0.000643695	0.92	0.823
57	1215BK14#1835#xylitol	319	24.083	0.017243755	0.060338732	3.50	0.283
58	1215BK15#3625#maltitol	191	40.453	0.004040189	0.002919004	0.72	0.415
59	1215BK15#3625#maltitol	361	40.453	0.006456937	0.008473196	1.31	0.328
60	1215BK16#1857#rhamnose MX1	364	24.249	0.003156373	0.000484166	0.15	0.368
61	1215BK16#1867#rhamnose MX2	117	24.348	0.560956298	0.666697178	1.19	0.485

62	1215BK16#1867#rhamnose MX2	160	24.348	0.014057250	0.013727698	0.98	0.745
63	1215BK22#1328#citramalic	349	19.462	0.000460611	0.000071845	0.16	0.309
64	1215BK22#1328#citramalic	247	19.462	0.004369652	0.000866774	0.20	0.234
65	1215BK38#1269#homoserine 3	218	19.050	0.003215463	0.004534135	1.41	0.164
66	1215BK38#1269#homoserine 3	292	19.050	0.000472940	0.000160333	0.34	0.363
67	1215BK38#1557#a-kt-glutaric MX	198	21.703	0.004013403	0.005745232	1.43	0.076
68	1215BK38#1557#a-kt-glutaric MX	288	21.703	0.001450000	0.001870302	1.29	0.016
69	1215BK38#1557#a-kt-glutaric MX	304	21.703	0.002577732	0.001581944	0.61	0.518
70	1215BK38#1724#homocysteine 3	234	23.251	0.002412007	0.003489833	1.45	0.151
71	1215BK38#1724#homocysteine 3	351	23.251	0.000086161	0.000234252	2.72	0.150
72	1215BK38#1724#homocysteine 3	261	23.251	0.005246445	0.000320233	0.06	0.368
73	1215BK38#2153#gal MX1	160	27.304	0.154142675	0.139813161	0.91	0.667
74	1215BK38#2153#gal MX1	319	27.304	0.269803655	0.313221253	1.16	0.159
75	1215BK38#2153#gal MX1	205	27.304	0.250027372	0.349512744	1.40	0.087
76	1215BK38#2207#c-ferulic	293	27.793	0.006355469	0.007899376	1.24	0.876
77	1215BK38#2207#c-ferulic	249	27.793	0.001844056	0.000719894	0.39	0.451
78	1215BK38#2207#c-ferulic	338	27.793	0.000814033	0.000281623	0.35	0.438
79	1215BK38#2439#c-sinapic	338	30.024	0.012518674	0.016797865	1.34	0.024
80	1215BK38#2439#c-sinapic	368	30.024	0.010308936	0.015766712	1.53	0.045
81	1215BK38#2439#c-sinapic	323	29.907	0.003264169	0.005500159	1.69	0.068
82	1219BK04#2184#galactonic-1,4-L	334	27.254	0.046706646	0.065056392	1.39	0.641
83	1219BK04#2184#galactonic-1,4-L	361	27.254	0.025537440	0.008715312	0.34	0.349
84	1219BK04#2184#galactonic-1,4-L	466	27.254	0.063106587	0.097216860	1.54	0.318
85	1219BK05#2185#a-kt-gulonic MX	349	27.346	0.020228244	0.003791181	0.19	0.440
86	1219BK05#2185#a-kt-gulonic MX	186	27.346	0.064860935	0.067650996	1.04	0.926
87	1219BK07#2218#gulonic-1,4-L	333	27.850	0.009366323	0.015498992	1.65	0.086
88	1219BK07#2218#gulonic-1,4-L	466	27.850	0.000656673	0.000266315	0.41	0.532
89	1219BK07#2218#gulonic-1,4-L	243	27.850	0.022285518	0.036018565	1.62	0.467
90	1248BK08#0805	117	14.496	0.017052683	0.012059910	0.71	0.071
91	1248BK08#0815#benzoic	179	14.591	0.015992724	0.016044463	1.00	0.984
92	1248BK08#0815#benzoic	105	14.591	0.013499417	0.013192756	0.98	0.865
93	1248BK08#0856#urea	189	14.931	0.189234213	0.016752615	0.09	0.397
94	1248BK08#0931#threonine 2	219	15.643	0.053201446	0.080885989	1.52	0.011
95	1248BK08#0931#threonine 2	117	15.643	0.169146281	0.262380735	1.55	0.025
96	1248BK08#0953#glycine 3	174	15.840	0.139463025	0.366121471	2.63	0.000
97	1248BK08#0953#glycine 3	248	15.840	0.021099743	0.055560435	2.63	0.000
98	1248BK08#0990	306	16.178	0.001225882	0.000040590	0.03	0.361
99	1248BK08#1020	184	16.441	0.029958897	0.049496425	1.65	0.316
100	1248BK08#1020	285	16.441	0.008857166	0.015555030	1.76	0.284
101	1248BK08#1043#uracil 2	241	16.639	0.027620733	0.002166107	0.08	0.385
102	1248BK08#1056	259	16.761	0.000678265	0.000254757	0.38	0.415
103	1248BK08#1107#thymine 2	255	17.231	0.054636835	0.000452904	0.01	0.373
104	1248BK08#1121	257	17.348	0.000247452	0.000055197	0.22	0.395
105	1248BK08#1128	141	17.420	0.006513324	0.014114751	2.17	0.024
106	1248BK08#1180	142	17.888	0.002225169	0.004955047	2.23	0.005
107	1248BK08#1196	259	18.041	0.000746511	0.000418651	0.56	0.560
108	1248BK08#1214	242	18.194	0.002948477	0.000075025	0.03	0.374
109	1248BK08#1214	234	18.194	0.034570904	0.046056114	1.33	0.752
110	1248BK08#1225	104	18.293	0.003357741	0.002536584	0.76	0.309
111	1248BK08#1249#b-alanine 3	248	18.526	0.017786140	0.063307415	3.56	0.000
112	1248BK08#1249#b-alanine 3	290	18.526	0.009954391	0.016030085	1.61	0.260
113	1248BK08#1249#b-alanine 3	174	18.526	0.026592523	0.091001323	3.42	0.000
114	1248BK08#1308#homoserine 3	128	19.050	0.001602836	0.001723722	1.08	0.648
115	1248BK08#1340	255	19.313	0.007035478	0.001767827	0.25	0.408
116	1248BK08#1368	155	19.569	0.103634863	0.451162631	4.35	0.000
117	1248BK08#1368	229	19.565	0.007938248	0.024344730	3.07	0.000
118	1248BK08#1446	306	20.299	0.001498263	0.004271479	2.85	0.329
119	1248BK08#1463#methionine 2	176	20.453	0.008163866	0.006616203	0.81	0.122
120	1248BK08#1463#methionine 2	128	20.453	0.005805734	0.008680134	1.50	0.247
121	1248BK08#1527	120	21.054	0.046242355	0.021937480	0.47	0.455
122	1248BK08#1540#cysteine 3	294	21.171	0.004143764	0.007016604	1.69	0.597
123	1248BK08#1540#cysteine 3	220	21.171	0.002866427	0.002130341	0.74	0.350
124	1248BK08#1568	162	21.424	0.009970527	0.011556754	1.16	0.540

125	1248BK08#1568	218	21.424	0.026004456	0.026306860	1.01	0.975
126	1248BK08#1630	188	21.984	0.087361338	0.178518823	2.04	0.022
127	1248BK08#1641	305	22.084	0.037376926	0.032512296	0.87	0.830
128	1248BK08#1669	142	22.339	0.058603207	0.016282828	0.28	0.036
129	1248BK08#1669	348	22.339	0.004277119	0.001231839	0.29	0.021
130	1248BK08#1695	188	22.592	0.002327167	0.010387597	4.46	0.044
131	1248BK08#1695	216	22.592	0.007428851	0.003486659	0.47	0.507
132	1248BK08#1841	275	23.932	0.084482185	0.478079359	5.66	0.000
133	1248BK08#1852	173	24.032	0.089089852	0.392559970	4.41	0.000
134	1248BK08#1888	156	24.340	0.136727882	0.001508294	0.01	0.369
135	1248BK08#1907	227	24.517	0.003942951	0.390823210	99.12	0.023
136	1248BK08#1907	203	24.517	0.002951476	0.307533796	104.20	0.023
137	1248BK08#1907	317	24.517	0.001162176	0.109750099	94.43	0.022
138	1248BK08#1940	216	24.844	0.077068207	0.001447232	0.02	0.362
139	1248BK08#1948	216	24.919	0.000770712	0.001181362	1.53	0.353
140	1248BK08#1969	333	25.113	0.007845717	0.005688342	0.73	0.566
141	1248BK08#1969	292	25.113	0.019855680	0.027871328	1.40	0.012
142	1248BK08#2056	461	25.911	0.000255162	0.000066369	0.26	0.347
143	1248BK08#2056	371	25.911	0.000212766	0.000281182	1.32	0.705
144	1248BK08#2056	257	25.911	0.001877055	0.019007949	10.13	0.133
145	1248BK08#2264#lysine 4	156	27.765	0.059639985	0.076421285	1.28	0.150
146	1248BK08#2264#lysine 4	317	27.765	0.048502419	0.041571797	0.86	0.638
147	1248BK08#2264#lysine 4	174	27.765	0.592886861	0.114762002	0.19	0.385
148	1248BK08#2323	217	28.410	0.069505908	0.101023228	1.45	0.424
149	1248BK08#2323	361	28.410	0.020981721	0.027892849	1.33	0.486
150	1248BK08#2406#saccharic	333	29.208	0.002510485	0.002609051	1.04	0.376
151	1248BK08#2411	433	29.287	0.000680152	0.000428500	0.63	0.562
152	1248BK08#2411	205	29.287	0.002042568	0.002869740	1.40	0.050
153	1248BK08#2429	393	29.460	0.006542276	0.001877991	0.29	0.344
154	1248BK08#2495	204	30.096	0.002161724	0.003653076	1.69	0.511
155	1248BK08#2495	539	30.096	0.002599349	0.000016042	0.01	0.373
156	1248BK08#2495	333	29.751	0.006010989	0.007589472	1.26	0.355
157	1248BK08#2568	245	30.794	0.000210528	0.000080474	0.38	0.083
158	1248BK08#2568	257	30.794	0.000097079	0.000728114	7.50	0.002
159	1248BK08#2568	292	30.794	0.005168041	0.000128431	0.02	0.368
160	1248BK08#2588	228	30.986	0.002447317	0.000208205	0.09	0.380
161	1248BK08#2664	437	31.721	0.000266746	0.000272082	1.02	0.970
162	1248BK08#2720#9,12(Z,Z)-18:2	337	32.269	0.000337468	0.000148443	0.44	0.461
163	1248BK08#2771	373	32.768	0.010282813	0.000067432	0.01	0.374
164	1248BK08#2796	373	33.013	0.002752324	0.000060672	0.02	0.377
165	1248BK08#2876	337	33.808	0.008935708	0.007122329	0.80	0.484
166	1248BK08#2876	217	33.820	0.018997959	0.014368840	0.76	0.317
167	1248BK08#2876	361	33.820	0.008969235	0.003138668	0.35	0.337
168	1248BK08#2949	433	34.530	0.000115453	0.000416193	3.60	0.069
169	1248BK08#2983	387	34.866	0.000074541	0.000083224	1.12	0.816
170	1248BK08#2983	299	34.866	0.000166165	0.000102171	0.61	0.254
171	1248BK08#3000	289	35.048	0.000110967	0.000097824	0.88	0.557
172	1248BK08#3018	334	35.216	0.000066395	0.000130959	1.97	0.101
173	1248BK08#3036	289	35.396	0.000089038	0.000068175	0.77	0.570
174	1248BK08#3036	334	35.396	0.000107064	0.000288503	2.69	0.021
175	1248BK08#3086	401	35.894	0.000131042	0.000055568	0.42	0.399
176	1248BK08#3086	437	35.894	0.000050754	0.000050785	1.00	0.999
177	1248BK08#3103	260	36.064	0.000190413	0.000105157	0.55	0.372
178	1248BK08#3131	446	36.344	0.000772079	0.006088027	7.89	0.023
179	1248BK08#3177	313	36.806	0.014687546	0.000647735	0.04	0.389
180	1248BK08#3192	387	36.957	0.000211838	0.000781900	3.69	0.001
181	1248BK08#3192	299	36.957	0.000151497	0.000830212	5.48	0.003
182	1248BK08#3192	471	36.957	0.001451488	0.000112661	0.08	0.400
183	1248BK08#3196	324	37.007	0.000051116	0.000598383	11.71	0.075
184	1248BK08#3223	287	37.271	0.000141347	0.000344848	2.44	0.058
185	1248BK08#3233	401	37.373	0.004086485	0.000048935	0.01	0.375
186	1248BK08#3359	491	38.628	0.000084205	0.000019521	0.23	0.354
187	1248BK08#3365	480	38.701	0.000254243	0.000223052	0.88	0.642

188	1248BK08#3365	307	38.701	0.000458857	0.000659137	1.44	0.160
189	1248BK08#3383	307	38.885	0.003875180	0.001741167	0.45	0.440
190	1248BK08#3385	295	38.914	0.001144168	0.000375466	0.33	0.101
191	1248BK08#3405	322	39.118	0.002881145	0.000179582	0.06	0.377
192	1248BK08#3412	473	39.178	0.000060473	0.000021367	0.35	0.244
193	1248BK08#3447	437	39.532	0.002191393	0.003336254	1.52	0.102
194	1248BK08#3456	361	39.623	0.006679979	0.009983398	1.49	0.057
195	1248BK08#3463	288	39.693	0.001929797	0.000054542	0.03	0.373
196	1248BK08#3468	437	39.743	0.001047213	0.001291236	1.23	0.793
197	1248BK08#3479	437	39.855	0.000354451	0.000595247	1.68	0.032
198	1248BK08#3581	539	40.856	0.001285028	0.000027520	0.02	0.376
199	1248BK08#3589	396	40.937	0.000503614	0.000015182	0.03	0.360
200	1248BK08#3589	361	40.937	0.001213096	0.003490594	2.88	0.022
201	1248BK08#3606	285	41.112	0.000069274	0.000058606	0.85	0.639
202	1248BK08#3627	296	41.303	0.000235875	0.000402151	1.70	0.040
203	1248BK08#3643	479	41.457	0.000161869	0.000018468	0.11	0.369
204	1248BK08#3773	446	42.694	0.000013153	0.000029695	2.26	0.101
205	1248BK08#3773	229	42.694	0.001644661	0.007521715	4.57	0.001
206	1248BK08#4003	259	44.854	0.000776091	0.000154992	0.20	0.000
207	1248BK08#4172#raffinose	437	46.417	0.000093438	0.003999497	42.80	0.022
208	1248BK08#4172#raffinose	451	46.417	0.000062841	0.001406593	22.38	0.022
209	1248BK08#4172#raffinose	361	46.417	0.001079228	0.019688482	18.24	0.000
210	1248BK08#4180	437	46.509	0.000208532	0.002619976	12.56	0.106
211	1248BK08#4180	204	46.509	0.001106971	0.011603638	10.48	0.002
212	1248BK08#4180	217	46.509	0.001104670	0.011598252	10.50	0.018
213	1248BK08#4186	451	46.633	0.000144952	0.001475746	10.18	0.014
214	1250BK34#0703#dodecane	85	13.194	1.430178577	1.311620042	0.92	0.353
215	1263BK24#0843	174	14.907	0.959198984	0.683661013	0.71	0.002
216	1263BK24#0864#leucine 2	158	15.095	0.026932550	0.045221142	1.68	0.048
217	1263BK24#0864#leucine 2	232	15.095	0.001002401	0.001563125	1.56	0.037
218	1263BK24#0874#glycerol	117	15.184	0.061474840	0.048716563	0.79	0.234
219	1263BK24#0874#glycerol	205	15.184	0.078691153	0.077840926	0.99	0.960
220	1263BK24#0874#glycerol	218	15.184	0.023625481	0.028529536	1.21	0.505
221	1263BK24#0874#glycerol	293	15.184	0.374672511	0.002262208	0.01	0.374
222	1263BK24#0960	174	15.965	2.563104456	4.343278176	1.69	0.051
223	1263BK24#1089	156	17.123	0.001100848	0.001247640	1.13	0.787
224	1263BK24#1089	215	17.123	0.031836773	0.000836077	0.03	0.293
225	1263BK24#1215	219	18.264	0.003250913	0.006686914	2.06	0.012
226	1263BK24#1243	228	18.516	0.044836855	0.019333945	0.43	0.410
227	1263BK24#1446	188	20.361	0.003650800	0.003615991	0.99	0.971
228	1263BK24#1633	292	22.057	0.001477026	0.002248732	1.52	0.015
229	1263BK24#1633	117	22.057	0.001958150	0.001310867	0.67	0.239
230	1263BK24#1743	257	23.051	0.004788865	0.004575181	0.96	0.857
231	1263BK24#1785	150	23.426	0.001127020	0.001348341	1.20	0.791
232	1263BK24#1785	272	23.426	0.020538959	0.014117388	0.69	0.716
233	1263BK24#1861	303	24.109	0.002461183	0.002970670	1.21	0.394
234	1263BK24#1907	357	24.532	0.010482185	0.000652575	0.06	0.393
235	1263BK24#1910	416	24.554	0.003795445	0.008848289	2.33	0.007
236	1263BK24#1994	133	25.314	0.700884334	0.156776381	0.22	0.356
237	1263BK24#2004	244	25.433	0.004316726	0.003870382	0.90	0.717
238	1263BK24#2026	194	25.595	0.001074822	0.001020327	0.95	0.696
239	1263BK24#2047	437	25.800	0.003062171	0.001805090	0.59	0.298
240	1263BK24#2063	345	25.931	0.001457634	0.001403099	0.96	0.877
241	1263BK24#2063	435	25.931	0.001234242	0.001214036	0.98	0.953
242	1263BK24#2154	144	26.771	0.001618256	0.000847573	0.52	0.284
243	1263BK24#2154	307	26.771	0.001580154	0.000362782	0.23	0.157
244	1263BK24#2269	234	27.828	0.001979169	0.002121009	1.07	0.804
245	1263BK24#2295#tyrosine	218	28.072	0.095642957	0.150514243	1.57	0.076
246	1263BK24#2295#tyrosine	280	28.072	0.400068056	0.012365953	0.03	0.382
247	1263BK24#2476	319	29.726	0.063633139	0.000358255	0.01	0.374
248	1263BK24#2679	300	31.578	0.000158635	0.000072619	0.46	0.007
249	1263BK24#2679	228	31.578	0.000951880	0.000192043	0.20	0.432
250	1263BK24#2697	458	31.740	0.000054720	0.000037775	0.69	0.673

251	1263BK24#2727	235	32.014	0.001146400	0.002767415	2.41	0.010
252	1263BK24#2772	328	32.434	0.001739417	0.007359080	4.23	0.048
253	1263BK24#2814#spermidine	174	32.824	0.001252791	0.005939500	4.74	0.002
254	1263BK24#2814#spermidine	144	32.824	0.000962431	0.006313904	6.56	0.001
255	1263BK24#2994	351	34.452	0.000774650	0.000088494	0.11	0.320
256	1263BK24#3026	329	34.745	0.000075600	0.000090036	1.19	0.743
257	1263BK24#3026	318	34.745	0.000166349	0.000062759	0.38	0.056
258	1263BK24#3069	338	35.147	0.000137188	0.000106919	0.78	0.520
259	1263BK24#3069	144	35.147	0.000708778	0.000269704	0.38	0.364
260	1263BK24#3137	174	35.772	0.000314465	0.000291894	0.93	0.825
261	1263BK24#3155	174	35.937	0.000100901	0.000317235	3.14	0.004
262	1263BK24#3155	398	35.937	0.000052947	0.000048286	0.91	0.861
263	1263BK24#3171	174	36.084	0.000093225	0.000228700	2.45	0.166
264	1263BK24#3472	204	38.850	0.005256116	0.005097899	0.97	0.962
265	1263BK24#4315	174	46.628	0.000105259	0.000187986	1.79	0.146
266	1263BK24#4440	174	47.803	0.000158511	0.000114758	0.72	0.397
267	1263BK25#0632	86	13.044	0.040542665	0.014775877	0.36	0.261
268	1263BK25#2215	191	27.318	0.307495967	0.037067334	0.12	0.387
269	1263BK25#2215	204	27.318	0.425648588	0.614538318	1.44	0.578
270	1263BK25#3658	267	40.547	0.000407238	0.000120297	0.30	0.378
271	1263BK50#2309	299	28.231	0.003495466	0.003846713	1.10	0.791
272	1263BK50#2309	360	28.231	0.000395519	0.000352637	0.89	0.745
273	1263BK50#2309	494	28.231	0.000711865	0.000103122	0.14	0.393
274	1267BK12#0266	207	9.830	0.033578312	0.005907538	0.18	0.342
275	1267BK12#0266	295	9.830	0.466705409	0.176549613	0.38	0.440
276	1267BK12#0289#lactic	117	10.035	0.077236638	0.002998916	0.04	0.382
277	1267BK12#0289#lactic	219	10.035	0.007724132	0.049565488	6.42	0.392
278	1267BK12#0326	173	10.400	5.238382407	7.355576711	1.40	0.482
279	1267BK12#0362	217	10.685	0.197798829	0.185551117	0.94	0.877
280	1267BK12#0362	202	10.685	2.048200291	0.520598622	0.25	0.422
281	1267BK12#0403#alanine 2	116	11.052	0.049651763	0.063473927	1.28	0.580
282	1267BK12#0422#hydroxylamine	133	11.221	0.307482014	0.016929007	0.06	0.188
283	1267BK12#0422#hydroxylamine	249	11.221	0.460839644	0.667347481	1.45	0.135
284	1267BK12#0494#cy-siloxane 5	267	11.864	0.022780759	0.025309920	1.11	0.389
285	1267BK12#0503	219	11.945	0.116480998	0.148577417	1.28	0.554
286	1267BK12#0503	190	11.945	0.009010715	0.000059659	0.01	0.178
287	1267BK12#0516	235	12.061	0.091538841	0.005346063	0.06	0.107
288	1267BK12#0531	142	12.194	0.025730534	0.060567664	2.35	0.027
289	1267BK12#0531	174	12.194	0.012832498	0.000708257	0.06	0.198
290	1267BK12#0616#me-phosphoric 2	241	12.963	0.018564747	0.028320329	1.53	0.290
291	1267BK12#0666#dodecane	85	13.402	1.433458427	1.314597850	0.92	0.363
292	1267BK12#0688	233	13.600	0.003424508	0.000508011	0.15	0.398
293	1267BK12#0707#valine 2	144	13.770	0.083960409	0.164745428	1.96	0.006
294	1267BK12#0707#valine 2	218	13.770	0.013060605	0.026770581	2.05	0.008
295	1267BK12#0725	156	13.931	0.020970999	0.004003470	0.19	0.392
296	1267BK12#0737#siloxane 5	281	14.039	0.014541323	0.015698539	1.08	0.761
297	1267BK12#0784	248	14.459	0.012257848	0.019519796	1.59	0.180
298	1267BK12#0824#serine 2	116	14.818	0.831163985	1.547333991	1.86	0.000
299	1267BK12#0824#serine 2	132	14.818	0.688739029	1.708557613	2.48	0.001
300	1267BK12#0848	415	15.033	0.000770236	0.000277737	0.36	0.164
301	1267BK12#0848	261	15.033	0.002052312	0.000208614	0.10	0.303
302	1267BK12#0858#phosphoric 3	299	15.123	1.506797693	3.095070125	2.05	0.005
303	1267BK12#0858#phosphoric 3	314	15.123	0.254519189	0.877212578	3.45	0.000
304	1267BK12#0909#isoleucine 2	158	15.580	0.026795518	0.048227581	1.80	0.014
305	1267BK12#0909#isoleucine 2	218	15.580	0.013993909	0.007813627	0.56	0.525
306	1267BK12#0917#proline 2	216	15.643	0.002766467	0.000506701	0.18	0.335
307	1267BK12#0917#proline 2	142	15.643	0.047105400	0.014920756	0.32	0.435
308	1267BK12#0923#nicotinic	136	15.697	0.004278354	0.007402807	1.73	0.149
309	1267BK12#0923#nicotinic	180	15.697	0.003715961	0.011859814	3.19	0.015
310	1267BK12#0931#cy-siloxane 6	341	15.777	0.003670571	0.003211293	0.87	0.795
311	1267BK12#0945#maleic	245	15.903	0.008688277	0.003400552	0.39	0.453
312	1267BK12#0945#maleic	147	15.903	0.072424190	0.040062809	0.55	0.362
313	1267BK12#0970#d4-succinic	251	16.127	0.000085243	0.000065761	0.77	0.565



314	1267BK12#0970#d4-succinic	251	16.127	0.000083839	0.000097461	1.16	0.847
315	1267BK12#0970#succinic	147	16.127	0.074738051	0.077019562	1.03	0.594
316	1267BK12#0970#succinic	147	16.127	0.075135873	0.076810282	1.02	0.659
317	1267BK12#0970#succinic	247	16.127	0.007151725	0.007802788	1.09	0.250
318	1267BK12#0970#succinic	247	16.127	0.007143928	0.007802788	1.09	0.247
319	1267BK12#0970#succinic	247	16.127	0.019659148	0.007802788	0.40	0.386
320	1267BK12#0970#succinic	147	16.127	0.595052537	0.077019562	0.13	0.374
321	1267BK12#0998	261	16.379	0.013784668	0.000216991	0.02	0.376
322	1267BK12#0998	147	16.379	0.061494426	0.077209091	1.26	0.372
323	1267BK12#1009#glyceric	189	16.478	0.114305258	0.149801449	1.31	0.046
324	1267BK12#1009#glyceric	292	16.478	0.064128431	0.084749399	1.32	0.084
325	1267BK12#1059#fumaric	147	16.926	0.555176490	0.436898033	0.79	0.609
326	1267BK12#1059#fumaric	245	16.926	0.284918383	0.232795941	0.82	0.405
327	1267BK12#1067	188	16.998	0.232991512	0.140522589	0.60	0.558
328	1267BK12#1082#serine 3	218	17.133	0.317285626	0.563469535	1.78	0.005
329	1267BK12#1102	306	17.313	0.001099208	0.000840642	0.76	0.019
330	1267BK12#1102	233	17.313	0.001064390	0.001066220	1.00	0.992
331	1267BK12#1114	247	17.421	0.003290316	0.003769625	1.15	0.642
332	1267BK12#1143#threonine 3	219	17.681	0.047462668	0.088404784	1.86	0.003
333	1267BK12#1143#threonine 3	291	17.681	0.016294761	0.031450156	1.93	0.002
334	1267BK12#1164	191	17.869	0.012050555	0.001019524	0.08	0.380
335	1267BK12#1175	197	17.968	0.002566505	0.003914431	1.53	0.448
336	1267BK12#1195	174	18.149	0.017138999	0.024834111	1.45	0.363
337	1267BK12#1220	174	18.373	0.032834408	0.046348084	1.41	0.404
338	1267BK12#1237	160	18.526	0.115127617	0.132194736	1.15	0.663
339	1267BK12#1247	247	18.616	0.013126247	0.010032893	0.76	0.198
340	1267BK12#1270	172	18.832	0.002685945	0.000382608	0.14	0.399
341	1267BK12#1278	174	18.895	0.002624161	0.003653405	1.39	0.366
342	1267BK12#1278	168	18.895	0.001394724	0.001816605	1.30	0.380
343	1267BK12#1298	350	19.025	0.004698941	0.006399820	1.36	0.082
344	1267BK12#1303	174	19.120	0.031312361	0.054734575	1.75	0.037
345	1267BK12#1309	174	19.174	0.042407957	0.059436017	1.40	0.175
346	1267BK12#1334	281	19.454	0.022234078	0.015569074	0.70	0.134
347	1267BK12#1345	173	19.498	0.013870133	0.010746990	0.77	0.289
348	1267BK12#1345	103	19.498	0.019002818	0.023433660	1.23	0.410
349	1267BK12#1369	234	19.715	0.036568659	0.010127895	0.28	0.250
350	1267BK12#1390#malic	233	19.916	0.143349528	0.201520463	1.41	0.122
351	1267BK12#1390#malic	335	19.916	0.025164206	0.031876229	1.27	0.031
352	1267BK12#1406#pentadecane	85	20.057	2.228250094	2.124316123	0.95	0.512
353	1267BK12#1410	217	20.105	0.006002912	0.021871411	3.64	0.000
354	1267BK12#1410	293	20.105	0.035068099	0.001552542	0.04	0.364
355	1267BK12#1428	111	20.239	0.006626789	0.007421438	1.12	0.761
356	1267BK12#1428	275	20.239	0.002449075	0.001176095	0.48	0.294
357	1267BK12#1438	237	20.347	0.006040301	0.006471686	1.07	0.626
358	1267BK12#1457#aspartic 3	218	20.518	0.187855770	0.116210710	0.62	0.466
359	1267BK12#1457#aspartic 3	232	20.518	0.439072034	0.672008174	1.53	0.105
360	1267BK12#1457#aspartic 3	306	20.518	0.012190418	0.014606981	1.20	0.068
361	1267BK12#1457#pyroglutamic	156	20.518	3.476897793	5.001236833	1.44	0.338
362	1267BK12#1457#pyroglutamic	258	20.518	0.488184864	1.396052071	2.86	0.000
363	1267BK12#1457#pyroglutamic	230	20.518	0.360899825	1.282982755	3.55	0.000
364	1267BK12#1485	84	20.771	0.090817051	0.183153009	2.02	0.015
365	1267BK12#1492	263	20.834	0.337586527	0.143021660	0.42	0.371
366	1267BK12#1507	292	20.970	0.142303639	0.141979301	1.00	0.957
367	1267BK12#1520	249	21.069	0.002935471	0.000394942	0.13	0.359
368	1267BK12#1547#threonic	292	21.331	0.054303337	0.048534913	0.89	0.463
369	1267BK12#1547#threonic	220	21.331	0.036143640	0.029612273	0.82	0.143
370	1267BK12#1547#threonic	205	21.331	0.027147181	0.027700295	1.02	0.945
371	1267BK12#1569	160	21.529	0.002869306	0.001308681	0.46	0.330
372	1267BK12#1587	205	21.701	0.007936019	0.005471246	0.69	0.002
373	1267BK12#1609	71	21.891	0.113675340	0.129422344	1.14	0.631
374	1267BK12#1609	250	21.891	0.018232143	0.000491721	0.03	0.376
375	1267BK12#1627	342	22.043	0.004011111	0.001950785	0.49	0.377
376	1267BK12#1631#asparagine 4	188	22.088	0.091816935	0.178518823	1.94	0.008

377	1267BK12#1631#asparagine 4	216	22.088	0.057927659	0.126704699	2.19	0.008
378	1267BK12#1631#asparagine 4	231	22.088	0.015676072	0.021281569	1.36	0.205
379	1267BK12#1674#glutamic 3	246	22.477	0.432179785	0.544228620	1.26	0.458
380	1267BK12#1674#glutamic 3	363	22.477	0.027120663	0.014523206	0.54	0.397
381	1267BK12#1680#phenylalanine 2	192	22.532	0.023455106	0.046621165	1.99	0.009
382	1267BK12#1680#phenylalanine 2	266	22.532	0.093973587	0.003631695	0.04	0.380
383	1267BK12#1733	245	23.010	0.004330834	0.004088673	0.94	0.399
384	1267BK12#1751#xylose MX2	307	23.173	0.028503113	0.024422904	0.86	0.429
385	1267BK12#1751#xylose MX2	217	23.173	0.039543540	0.046954513	1.19	0.350
386	1267BK12#1765#arabinose MX2	307	23.299	0.014238753	0.016661777	1.17	0.678
387	1267BK12#1765#arabinose MX2	160	23.299	0.006651011	0.010014819	1.51	0.188
388	1267BK12#1779#asparagine 3	116	23.426	0.202266631	0.615207123	3.04	0.089
389	1267BK12#1779#asparagine 3	188	23.426	0.084484463	0.218290394	2.58	0.113
390	1267BK12#1794#ribose MX	307	23.570	0.008850926	0.010506591	1.19	0.252
391	1267BK12#1794#ribose MX	160	23.570	0.008605929	0.003917893	0.46	0.386
392	1267BK12#1809	307	23.706	0.008264769	0.010489599	1.27	0.278
393	1267BK12#1824	295	23.832	0.003224266	0.002006237	0.62	0.300
394	1267BK12#1824	202	23.824	0.006782565	0.005148570	0.76	0.190
395	1267BK12#1827	307	23.860	0.002131447	0.002092040	0.98	0.931
396	1267BK12#1837	290	23.914	0.001536552	0.001380877	0.90	0.620
397	1267BK12#1846	133	24.032	0.097664064	0.125039152	1.28	0.260
398	1267BK12#1849	202	24.059	0.046260429	0.015126578	0.33	0.459
399	1267BK12#1859	242	24.149	0.000645924	0.000833816	1.29	0.387
400	1267BK12#1859	334	24.149	0.001222458	0.000711580	0.58	0.315
401	1267BK12#1870#rhamnose MX1	117	24.249	0.011378915	0.013808466	1.21	0.356
402	1267BK12#1870#rhamnose MX1	160	24.249	0.002121304	0.002475234	1.17	0.544
403	1267BK12#1877	307	24.313	0.557734404	0.681748985	1.22	0.424
404	1267BK12#1885#ribitol	422	24.385	0.232678428	0.040902590	0.18	0.373
405	1267BK12#1885#ribitol	319	24.385	0.800184176	0.999066752	1.25	0.376
406	1267BK12#1885#ribitol TMS	319	24.395	1.000000000	1.000000000	1.00	#DIV/0!
407	1267BK12#1885#ribitol TMS	319	24.395	0.999941170	0.999066752	1.00	0.405
408	1267BK12#1885#ribitol TMS	307	24.395	0.691891151	0.681748985	0.99	0.178
409	1267BK12#1885#ribitol TMS	307	24.395	0.691891151	0.681748985	0.99	0.178
410	1267BK12#1885#ribitol TMS	422	24.395	0.041217249	0.040902590	0.99	0.747
411	1267BK12#1885#ribitol TMS	422	24.395	0.041217249	0.040902590	0.99	0.747
412	1267BK12#1896#putrescine 4	174	24.487	0.399712289	3.315346428	8.29	0.000
413	1267BK12#1903	416	24.559	0.001846470	0.002933865	1.59	0.639
414	1267BK12#1908	133	24.595	0.070205164	0.081707988	1.16	0.550
415	1267BK12#1916	205	24.676	0.027924537	0.008463600	0.30	0.321
416	1267BK12#1918	392	24.685	0.005140200	0.004360944	0.85	0.083
417	1267BK12#1918	392	24.685	0.006408900	0.004736629	0.74	0.223
418	1267BK12#1925	292	24.749	0.011833570	0.013048578	1.10	0.709
419	1267BK12#1925	465	24.749	0.001144535	0.000017967	0.02	0.371
420	1267BK12#1940	292	24.884	0.014613704	0.013048578	0.89	0.060
421	1267BK12#1940	333	24.884	0.010594504	0.011500758	1.09	0.734
422	1267BK12#1946	133	24.948	0.057828602	0.050052712	0.87	0.847
423	1267BK12#1953	346	25.012	0.044240506	0.000419303	0.01	0.374
424	1267BK12#1953	133	25.012	0.165337556	0.161209184	0.98	0.909
425	1267BK12#1961	422	25.079	0.023027992	0.010141307	0.44	0.296
426	1267BK12#1961	116	25.079	0.059291966	0.056165420	0.95	0.401
427	1267BK12#1967	276	25.124	0.030956338	0.011499913	0.37	0.198
428	1267BK12#1967	392	25.124	0.063390460	0.060980793	0.96	0.844
429	1267BK12#1967	302	25.124	0.011484912	0.017849158	1.55	0.117
430	1267BK12#1970	319	25.166	0.006923002	0.008439253	1.22	0.457
431	1267BK12#1970	275	25.166	0.016447987	0.000458322	0.03	0.380
432	1267BK12#1970	392	25.166	0.063470954	0.060980793	0.96	0.838
433	1267BK12#1997	392	25.401	0.043550941	0.003296216	0.08	0.367
434	1267BK12#2001	436	25.437	0.001216793	0.001318408	1.08	0.924
435	1267BK12#2008	292	25.501	0.000241348	0.035936762	148.90	0.177
436	1267BK12#2019	312	25.595	0.000851688	0.001614385	1.90	0.058
437	1267BK12#2025	392	25.655	0.020031086	0.020825138	1.04	0.880
438	1267BK12#2025	249	25.655	0.000899089	0.000713613	0.79	0.164
439	1267BK12#2030	392	25.709	0.020161627	0.020825138	1.03	0.897

440	1267BK12#2030	317	25.709	0.008464290	0.002613541	0.31	0.311
441	1267BK12#2038	292	25.782	0.003019728	0.004512976	1.49	0.001
442	1267BK12#2038	333	25.782	0.008356680	0.004912935	0.59	0.516
443	1267BK12#2053	244	25.909	0.007175392	0.003547990	0.49	0.221
444	1267BK12#2062#shikimic	204	25.990	0.087225799	0.070861093	0.81	0.609
445	1267BK12#2062#shikimic	462	25.990	0.000793180	0.000430867	0.54	0.303
446	1267BK12#2062#shikimic	372	25.990	0.001149637	0.001129588	0.98	0.965
447	1267BK12#2074#citric	375	26.100	0.085715944	0.065519025	0.76	0.637
448	1267BK12#2074#citric	273	26.100	0.409728519	0.367732068	0.90	0.790
449	1267BK12#2081#isocitric	319	26.172	0.009962467	0.013676763	1.37	0.121
450	1267BK12#2087	304	26.208	0.006186273	0.003393361	0.55	0.269
451	1267BK12#2114	316	26.461	0.006943604	0.010784609	1.55	0.619
452	1267BK12#2114	206	26.461	0.007619802	0.006220031	0.82	0.688
453	1267BK12#2124#dehydroascorbic	316	26.552	0.033153649	0.024957968	0.75	0.388
454	1267BK12#2124#dehydroascorbic	173	26.552	0.065407500	0.066690394	1.02	0.745
455	1267BK12#2124#dehydroascorbic	157	26.552	0.050296121	0.054807279	1.09	0.531
456	1267BK12#2145#quinic	255	26.743	0.000549486	0.000655446	1.19	0.604
457	1267BK12#2145#quinic	345	26.743	0.005344760	0.000873995	0.16	0.407
458	1267BK12#2151	260	26.798	0.007562049	0.003393336	0.45	0.447
459	1267BK12#2162	149	26.924	0.101982329	0.119002433	1.17	0.565
460	1267BK12#2171#fru MX1	307	26.980	5.592992187	7.806974947	1.40	0.281
461	1267BK12#2171#fru MX1	569	26.980	0.059188484	0.071103674	1.20	0.553
462	1267BK12#2177	389	27.026	0.081081831	0.003882667	0.05	0.380
463	1267BK12#2177	157	27.026	1.309732416	0.427965258	0.33	0.422
464	1267BK12#2181	307	27.082	4.044971642	7.428024820	1.84	0.157
465	1267BK12#2181	245	27.082	0.036280176	0.049223900	1.36	0.552
466	1267BK12#2190#fru MX2	307	27.154	5.161789617	6.934460335	1.34	0.247
467	1267BK12#2190#fru MX2	569	27.154	1.098309519	0.073133564	0.07	0.377
468	1267BK12#2196#man MX	160	27.208	0.066228726	0.139813161	2.11	0.232
469	1267BK12#2196#man MX	319	27.208	1.250977612	0.313221253	0.25	0.399
470	1267BK12#2216#glc MX1	160	27.390	3.074133850	2.714484981	0.88	0.886
471	1267BK12#2216#glc MX1	466	27.390	0.063823446	0.008032700	0.13	0.082
472	1267BK12#2220#nonadecane	85	27.429	3.328068639	2.989405670	0.90	0.161
473	1267BK12#2237#tyramine	174	27.591	0.017644105	0.020070884	1.14	0.617
474	1267BK12#2237#tyramine	338	27.591	0.001031831	0.001058665	1.03	0.917
475	1267BK12#2248#glc MX2	160	27.691	2.866443540	2.912987491	1.02	0.797
476	1267BK12#2248#glc MX2	319	27.691	3.487374705	3.923487666	1.13	0.169
477	1267BK12#2259	242	27.791	0.002349048	0.003588120	1.53	0.069
478	1267BK12#2259	389	27.791	0.014084305	0.001348982	0.10	0.383
479	1267BK12#2265	244	27.846	0.004267352	0.004943398	1.16	0.326
480	1267BK12#2270	362	27.891	0.001408343	0.000780230	0.55	0.331
481	1267BK12#2285	229	28.027	0.002928636	0.004533064	1.55	0.103
482	1267BK12#2285	330	28.027	0.002270461	0.000969857	0.43	0.363
483	1267BK12#2290#tyrosine	354	28.073	0.023686645	0.003178309	0.13	0.416
484	1267BK12#2298	404	28.137	0.007054117	0.004269613	0.61	0.518
485	1267BK12#2298	244	28.137	0.018293373	0.028244187	1.54	0.073
486	1267BK12#2309#L-ascorbic	332	28.246	0.004445330	0.001776293	0.40	0.429
487	1267BK12#2309#L-ascorbic	449	28.246	0.006667591	0.017379293	2.61	0.021
488	1267BK12#2309#L-ascorbic	464	28.246	0.001097651	0.001674209	1.53	0.407
489	1267BK12#2320#D-isoascorbic	332	28.348	0.001078705	0.001541512	1.43	0.066
490	1267BK12#2320#D-isoascorbic	332	28.348	0.001078705	0.001541512	1.43	0.066
491	1267BK12#2320#D-isoascorbic	449	28.348	0.009806167	0.011312475	1.15	0.792
492	1267BK12#2320#D-isoascorbic	449	28.348	0.009806167	0.011993871	1.22	0.716
493	1267BK12#2320#D-isoascorbic	464	28.348	0.000619510	0.000913805	1.48	0.581
494	1267BK12#2320#D-isoascorbic	464	28.348	0.000619510	0.001348338	2.18	0.210
495	1267BK12#2320#D-isoascorbic	332	28.348	0.000914985	0.001541512	1.68	0.022
496	1267BK12#2320#D-isoascorbic	464	28.348	0.002044846	0.001348338	0.66	0.662
497	1267BK12#2325	299	28.396	0.019378615	0.021158000	1.09	0.722
498	1267BK12#2336	420	28.496	0.000896468	0.000649187	0.72	0.128
499	1267BK12#2336	330	28.496	0.000445277	0.000401655	0.90	0.750
500	1267BK12#2341	420	28.550	0.000776189	0.000649187	0.84	0.550
501	1267BK12#2354	394	28.668	0.000081954	0.000089694	1.09	0.865
502	1267BK12#2364#c-caffeic	219	28.750	0.001317395	0.001040599	0.79	0.507



503	1267BK12#2364#c-caffeic	396	28.750	0.000058095	0.000060460	1.04	0.907
504	1267BK12#2364#c-caffeic	381	28.750	0.000100768	0.000091835	0.91	0.654
505	1267BK12#2370	204	28.806	0.035885064	0.061304501	1.71	0.378
506	1267BK12#2384	332	28.942	0.002097548	0.002586554	1.23	0.281
507	1267BK12#2384	190	28.942	0.003922825	0.003234960	0.82	0.736
508	1267BK12#2396	447	29.051	0.011876612	0.016644446	1.40	0.023
509	1267BK12#2401	190	29.079	0.001164654	0.001052896	0.90	0.731
510	1267BK12#2401	230	29.079	0.002892366	0.001245016	0.43	0.402
511	1267BK12#2412	206	29.188	0.008272871	0.007267453	0.88	0.242
512	1267BK12#2412	116	29.188	0.005359826	0.005362373	1.00	0.998
513	1267BK12#2436	174	29.406	0.015449077	0.028257325	1.83	0.048
514	1267BK12#2455	319	29.578	0.270056562	0.434070671	1.61	0.079
515	1267BK12#2463	373	29.652	0.072538929	0.000553362	0.01	0.372
516	1267BK12#2476#16:0	313	29.770	0.058936000	0.057600052	0.98	0.953
517	1267BK12#2483	360	29.833	0.010441455	0.000451290	0.04	0.376
518	1267BK12#2512	484	30.097	0.000156888	0.000102575	0.65	0.582
519	1267BK12#2527#dopamine	174	30.234	0.000924843	0.001829657	1.98	0.088
520	1267BK12#2527#dopamine	426	30.234	0.000046393	0.000021623	0.47	0.176
521	1267BK12#2537	288	30.326	0.000726501	0.000473710	0.65	0.487
522	1267BK12#2548#myo-ino	507	30.426	0.190160539	0.037694703	0.20	0.405
523	1267BK12#2548#myo-ino	305	30.426	0.676854039	1.197512045	1.77	0.037
524	1267BK12#2559	262	30.527	0.035829718	0.001731751	0.05	0.382
525	1267BK12#2559	205	30.527	0.096617812	0.127679416	1.32	0.647
526	1267BK12#2560#t-ferulic	338	30.536	0.000586928	0.000781185	1.33	0.287
527	1267BK12#2560#t-ferulic	249	30.536	0.000527105	0.000585541	1.11	0.644
528	1267BK12#2560#t-ferulic	323	30.536	0.000794243	0.000460781	0.58	0.232
529	1267BK12#2584	373	30.756	0.001266813	0.006870272	5.42	0.002
530	1267BK12#2589	319	30.784	0.019501878	0.019849936	1.02	0.945
531	1267BK12#2609	319	30.975	0.009789161	0.013846089	1.41	0.111
532	1267BK12#2620	352	31.102	0.002367569	0.000130198	0.05	0.385
533	1267BK12#2633#t-caffeic	396	31.194	0.000397113	0.000358401	0.90	0.755
534	1267BK12#2633#t-caffeic	219	31.194	0.000821375	0.001195545	1.46	0.165
535	1267BK12#2633#t-caffeic	381	31.194	0.002987921	0.000126815	0.04	0.380
536	1267BK12#2639	319	31.258	0.011667592	0.017494566	1.50	0.126
537	1267BK12#2660#noradrenalin 5	174	31.449	0.002758396	0.006800006	2.47	0.008
538	1267BK12#2685	364	31.686	0.000740066	0.000704044	0.95	0.588
539	1267BK12#2685	230	31.686	0.000795667	0.000898207	1.13	0.591
540	1267BK12#2715	249	31.950	0.019692668	0.006906872	0.35	0.403
541	1267BK12#2715	204	31.950	0.044478635	0.055386793	1.25	0.553
542	1267BK12#2723	218	32.024	0.002908780	0.001619552	0.56	0.157
543	1267BK12#2723	235	32.024	0.002492764	0.002767415	1.11	0.819
544	1267BK12#2734#docosane	85	32.126	2.988570509	2.749676592	0.92	0.219
545	1267BK12#2738	357	32.166	0.000076221	0.001235474	16.21	0.041
546	1267BK12#2738	445	32.166	0.000797933	0.000414239	0.52	0.629
547	1267BK12#2742#tryptophan 2	202	32.204	0.000841219	0.006569999	7.81	0.005
548	1267BK12#2742#tryptophan 2	391	32.204	0.000099948	0.000358518	3.59	0.005
549	1267BK12#2742#tryptophan 2	278	32.204	0.000163467	0.000556308	3.40	0.000
550	1267BK12#2758#tryptophan 3	202	32.350	0.002545284	0.072053388	28.31	0.002
551	1267BK12#2758#tryptophan 3	291	32.350	0.000598433	0.007559066	12.63	0.003
552	1267BK12#2758#tryptophan 3	200	32.350	0.000462898	0.002136190	4.61	0.001
553	1267BK12#2801#18:0	341	32.742	0.057740001	0.056005121	0.97	0.942
554	1267BK12#2809#t-sinapic	368	32.815	0.033995641	0.046041875	1.35	0.037
555	1267BK12#2809#t-sinapic	338	32.815	0.031584949	0.047525519	1.50	0.036
556	1267BK12#2809#t-sinapic	353	32.815	0.014320971	0.024541805	1.71	0.063
557	1267BK12#2822	159	32.933	0.012995220	0.012564786	0.97	0.899
558	1267BK12#2822	286	32.933	0.002084416	0.002272444	1.09	0.623
559	1267BK12#2859	290	33.272	0.007899627	0.013128120	1.66	0.009
560	1267BK12#2859	319	33.272	0.003980695	0.007205197	1.81	0.036
561	1267BK12#2881	263	33.472	0.000318525	0.000354232	1.11	0.732
562	1267BK12#2881	259	33.472	0.002126885	0.000046969	0.02	0.363
563	1267BK12#2907	328	33.719	0.005346543	0.006566294	1.23	0.607
564	1267BK12#2908#fru-6-P MX	315	33.718	0.005468757	0.010808577	1.98	0.020
565	1267BK12#2908#fru-6-P MX	260	33.718	0.000617307	0.000778562	1.26	0.410

566	1267BK12#2921	173	33.820	0.004765415	0.000374553	0.08	0.357
567	1267BK12#2926#glc-6-P MX1	387	33.892	0.019456748	0.036602246	1.88	0.015
568	1267BK12#2944	277	34.057	0.000749996	0.000105093	0.14	0.389
569	1267BK12#2944	204	34.057	0.008292245	0.003285779	0.40	0.390
570	1267BK12#2953#glc-6-P MX2	387	34.131	0.004447275	0.006755767	1.52	0.025
571	1267BK12#2958	417	34.177	0.000275914	0.000703134	2.55	0.015
572	1267BK12#2958	489	34.177	0.001177252	0.000268150	0.23	0.434
573	1267BK12#2975	331	34.332	0.002976481	0.003429255	1.15	0.234
574	1267BK12#2975	204	34.332	0.001801828	0.001919881	1.07	0.864
575	1267BK12#2975	172	34.332	0.000408830	0.000495183	1.21	0.576
576	1267BK12#2980	331	34.379	0.002676398	0.003429255	1.28	0.126
577	1267BK12#2980	262	34.379	0.001582384	0.001583243	1.00	0.994
578	1267BK12#2980	421	34.379	0.001539288	0.001306513	0.85	0.611
579	1267BK12#3007	351	34.626	0.003881779	0.000133983	0.03	0.374
580	1267BK12#3007	204	34.626	0.014280104	0.009139038	0.64	0.261
581	1267BK12#3014	292	34.690	0.008790244	0.003147997	0.36	0.164
582	1267BK12#3014	204	34.690	0.016189840	0.011021194	0.68	0.335
583	1267BK12#3034	91	34.872	0.003337990	0.002777084	0.83	0.261
584	1267BK12#3034	204	34.872	0.004044196	0.004640256	1.15	0.612
585	1267BK12#3058	356	35.138	0.001118689	0.001700232	1.52	0.296
586	1267BK12#3058	262	35.138	0.001017296	0.000833921	0.82	0.700
587	1267BK12#3061#myo-ino-2-P 1	318	35.131	0.001717883	0.003399704	1.98	0.012
588	1267BK12#3081	159	35.302	0.000239432	0.000345974	1.44	0.390
589	1267BK12#3097	245	35.458	0.000406771	0.000618640	1.52	0.107
590	1267BK12#3097	360	35.458	0.000187484	0.000482610	2.57	0.003
591	1267BK12#3118	430	35.642	0.000430217	0.000860891	2.00	0.036
592	1267BK12#3118	360	35.642	0.003944140	0.000804788	0.20	0.426
593	1267BK12#3179	204	36.200	0.006788903	0.004996245	0.74	0.361
594	1267BK12#3179	247	36.200	0.000090492	0.000150751	1.67	0.072
595	1267BK12#3189	105	36.292	0.000744912	0.000460455	0.62	0.160
596	1267BK12#3189	356	36.292	0.000595667	0.001263731	2.12	0.128
597	1267BK12#3189	223	36.292	0.000319125	0.000200101	0.63	0.100
598	1267BK12#3203	321	36.419	0.023858107	0.009279657	0.39	0.301
599	1267BK12#3203	204	36.419	0.057589540	0.053850759	0.94	0.806
600	1267BK12#3203	361	36.419	0.003555856	0.003293595	0.93	0.802
601	1267BK12#3258	219	36.923	0.005660150	0.004616803	0.82	0.522
602	1267BK12#3278	290	37.107	0.000052667	0.000099220	1.88	0.124
603	1267BK12#3283	304	37.144	0.000062265	0.000074472	1.20	0.577
604	1267BK12#3283	175	37.144	0.000149430	0.000308921	2.07	0.190
605	1267BK12#3302	361	37.336	0.014169437	0.019912726	1.41	0.213
606	1267BK12#3302	267	37.336	0.000890397	0.000087729	0.10	0.359
607	1267BK12#3317	254	37.465	0.000190022	0.000239807	1.26	0.244
608	1267BK12#3323	535	37.520	0.000079910	0.000058909	0.74	0.638
609	1267BK12#3382#sucrose	437	38.090	0.707323013	0.704598709	1.00	0.989
610	1267BK12#3386#sucrose	451	38.099	0.454666665	0.285459934	0.63	0.170
611	1267BK12#3391	423	38.169	0.072777895	0.002667424	0.04	0.371
612	1267BK12#3431	204	38.510	0.014193022	0.019426987	1.37	0.301
613	1267BK12#3467	450	38.859	0.000325858	0.000172516	0.53	0.492
614	1267BK12#3487	204	39.034	0.018307667	0.015917983	0.87	0.119
615	1267BK12#3515#maltose MX1	204	39.300	0.012840721	0.009238796	0.72	0.338
616	1267BK12#3515#maltose MX1	160	39.300	0.001516901	0.001352469	0.89	0.696
617	1267BK12#3522#trehalose	191	39.356	0.005637575	0.007736227	1.37	0.111
618	1267BK12#3559	193	39.695	0.000780769	0.001336496	1.71	0.094
619	1267BK12#3586	105	39.944	0.117649697	0.100119919	0.85	0.078
620	1267BK12#3586	179	39.944	0.127918479	0.146985464	1.15	0.601
621	1267BK12#3594#octacosane	85	40.018	2.688674546	2.388284304	0.89	0.175
622	1267BK12#3622	277	40.279	0.018772476	0.000089528	0.00	0.374
623	1267BK12#3633	450	40.380	0.000155062	0.000168934	1.09	0.781
624	1267BK12#3668	345	40.730	0.000098891	0.000116407	1.18	0.751
625	1267BK12#3668	175	40.730	0.000135349	0.000151552	1.12	0.819
626	1267BK12#3674	312	40.766	0.000150697	0.000042992	0.29	0.395
627	1267BK12#3674	219	40.766	0.000574371	0.000689210	1.20	0.388
628	1267BK12#3721	280	41.199	0.000058463	0.000085009	1.45	0.224

629	1267BK12#3768	191	41.631	0.001378206	0.000792769	0.58	0.128
630	1267BK12#3768	204	41.631	0.001315542	0.000685981	0.52	0.134
631	1267BK12#3775	289	41.688	0.000115011	0.000093529	0.81	0.760
632	1267BK12#3802	345	41.945	0.000067967	0.000089063	1.31	0.408
633	1267BK12#3802	249	41.945	0.000113732	0.000098246	0.86	0.694
634	1267BK12#3821	249	42.130	0.000762455	0.000137894	0.18	0.379
635	1267BK12#3827	204	42.167	0.002206894	0.013907893	6.30	0.000
636	1267BK12#3827	191	42.167	0.000450546	0.003306922	7.34	0.000
637	1267BK12#3827	433	42.167	0.000053104	0.000585761	11.03	0.000
638	1267BK12#3841#3-c-caffeoquinic	345	42.296	0.000268252	0.000096704	0.36	0.455
639	1267BK12#3841#3-c-caffeoquinic	255	42.296	0.000326241	0.000106001	0.32	0.194
640	1267BK12#3856	204	42.434	0.207214035	0.192831101	0.93	0.380
641	1267BK12#3856	433	42.434	0.005458492	0.005187804	0.95	0.576
642	1267BK12#3856	191	42.434	0.038273149	0.035466404	0.93	0.358
643	1267BK12#3858#5-c-caffeoquinic	345	42.462	0.001038584	0.000918228	0.88	0.170
644	1267BK12#3858#5-c-caffeoquinic	447	42.453	0.000021741	0.000018761	0.86	0.515
645	1267BK12#3865#4-c-caffeoquinic	307	42.517	0.001077570	0.001006959	0.93	0.298
646	1267BK12#3865#4-c-caffeoquinic	489	42.517	0.000036472	0.000055851	1.53	0.080
647	1267BK12#3930	396	43.127	0.000027744	0.000034202	1.23	0.394
648	1267BK12#3930	219	43.127	0.000506520	0.001425005	2.81	0.000
649	1267BK12#3954	396	43.339	0.000021589	0.000026294	1.22	0.534
650	1267BK12#3954	219	43.339	0.000781645	0.000119706	0.15	0.026
651	1267BK12#3963	345	43.431	0.000078765	0.000049279	0.63	0.221
652	1267BK12#3963	396	43.431	0.000015917	0.000018009	1.13	0.619
653	1267BK12#3987#3-t-caffeoquinic	345	43.644	0.000120824	0.000053817	0.45	0.323
654	1267BK12#3987#3-t-caffeoquinic	255	43.644	0.000088092	0.000075041	0.85	0.609
655	1267BK12#3996	204	43.730	0.023075973	0.046575578	2.02	0.003
656	1267BK12#3996	363	43.730	0.002976478	0.000752446	0.25	0.023
657	1267BK12#4004	597	43.806	0.000724371	0.002156674	2.98	0.002
658	1267BK12#4045	249	44.176	0.000226893	0.000130005	0.57	0.134
659	1267BK12#4045	255	44.176	0.000133049	0.000070684	0.53	0.067
660	1267BK12#4062#4-t-caffeoquinic	307	44.343	0.000112155	0.000063384	0.57	0.358
661	1267BK12#4062#4-t-caffeoquinic	489	44.343	0.000049595	0.000036656	0.74	0.204
662	1267BK12#4075#dotriacontane	85	44.468	2.532627965	2.286235615	0.90	0.201
663	1267BK12#4085#5-t-caffeoquinic	307	44.565	0.000060203	0.000088804	1.48	0.202
664	1267BK12#4085#5-t-caffeoquinic	447	44.565	0.000023452	0.000021312	0.91	0.758
665	1267BK12#4096	204	44.658	0.001339846	0.000340724	0.25	0.012
666	1267BK12#4096	345	44.658	0.000079144	0.000056892	0.72	0.388
667	1267BK12#4175	279	45.399	0.000516443	0.000425862	0.82	0.587
668	1267BK12#4175	255	45.399	0.000073639	0.000084426	1.15	0.599
669	1267BK12#4278	361	46.352	0.000106311	0.015185925	142.84	0.019
670	1267BK12#4278	450	46.352	0.000036682	0.000141131	3.85	0.089
671	1267BK12#4278	319	46.352	0.000078517	0.000457974	5.83	0.037
672	1267BK12#4302	441	46.585	0.015792176	0.025260374	1.60	0.060
673	1267BK12#4500#hexatriacontane	85	48.418	2.291395897	2.053853300	0.90	0.236
674	1267BK14#3416	204	38.418	0.019024429	0.023172930	1.22	0.149
675	1267BK14#3416	217	38.418	0.010380712	0.011480201	1.11	0.680
676	1267BK14#3416	451	38.418	0.002222047	0.000419403	0.19	0.332
677	1267BK14#3416	361	38.418	0.007632586	0.007380607	0.97	0.869
678	1267BK38#3430	204	38.538	0.004180014	0.009547565	2.28	0.003
679	1267BK38#3430	361	38.538	0.001482732	0.001028252	0.69	0.759
680	1267BK38#3430	423	38.538	0.000245671	0.000355282	1.45	0.111
681	1267BK38#3466	361	38.873	0.011396699	0.005817984	0.51	0.410
682	1267BK38#3466	423	38.873	0.008930515	0.000041278	0.00	0.374
683	1267BK38#3466	217	38.873	0.027173611	0.011903048	0.44	0.153
684	1267BK38#4348	259	47.146	0.000067496	0.000065731	0.97	0.902
685	1267BK38#4348	217	47.146	0.000126686	0.000172123	1.36	0.246
686	1267BK38#4348	349	47.146	0.000026426	0.000030070	1.14	0.399
687	1267BK38#4360	361	47.254	0.000078360	0.000107724	1.37	0.527
688	1267BK38#4360	204	47.254	0.000155013	0.000165537	1.07	0.828
689	1267BK38#4360	271	47.254	0.000091825	0.000072861	0.79	0.350
690	1283BV06#2056#glyceric-3-P	357	25.932	0.003303666	0.002493723	0.75	0.217
691	1286BU03#0764#norvaline 2	144	14.409	0.000776056	0.000758201	0.98	0.967

692	1286BU03#0764#norvaline 2	218	14.409	0.002994663	0.000050684	0.02	0.337
693	1286BU04#2069#isocitric	245	26.178	0.011023847	0.004139450	0.38	0.442
694	1286BU04#2069#isocitric	375	26.178	0.045677094	0.065520448	<b>1.43</b>	<b>0.015</b>
695	1286BU07#2401#saccharic	292	29.206	0.001856459	0.002986697	1.61	0.055
696	1286BU08#2094	160	26.428	0.015363362	0.017988020	1.17	0.526
697	1286BU08#2094	334	26.428	0.000613109	0.000383070	0.62	0.499
698	1286BU08#2094	189	26.428	0.003108709	0.004261480	1.37	0.281
699	1286BU08#2283#galacturonic MX1	160	28.162	0.005065982	0.007424653	1.47	0.116
700	1286BU08#2314#galacturonic MX2	160	28.449	0.004637810	0.005324866	1.15	0.783
701	1286BU10#2380#gluconic	333	29.046	0.012883135	0.010036760	0.78	0.478
702	1286BU10#2380#gluconic	292	29.046	0.021126290	0.027048260	1.28	0.323
703	1286BU10#2380#gluconic	423	29.046	0.000953474	0.000582131	0.61	0.344
704	1286BU10#2380#gluconic	433	29.046	0.032337713	0.002398871	0.07	0.374
705	1286BU13#1452#g-aminobutyric 3	174	20.640	0.154535274	0.468362273	<b>3.03</b>	<b>0.001</b>
706	1286BU13#1452#g-aminobutyric 3	304	20.640	0.122611446	0.090641544	0.74	0.733
707	1310BK02#3728#d-tocopherol	474+475	41.175	0.000071257	0.000048070	0.67	0.392
708	1310BK02#3728#d-tocopherol	208	41.175	0.000718338	0.000111235	0.15	0.335
709	1310BK02#3834#b-tocopherol	488+489	42.144	0.000056334	0.000042452	0.75	0.433
710	1310BK02#3834#b-tocopherol	223	42.144	0.000091491	0.000134862	1.47	0.366
711	1310BK02#3848#g-tocopherol	488+489	42.273	0.000041723	0.000031167	0.75	0.525
712	1310BK02#3848#g-tocopherol	223	42.273	0.000094706	0.000136000	1.44	0.527
713	1310BK02#4014#a-tocopherol	502+503	43.815	0.000036101	0.000065742	1.82	0.084
714	1310BK02#4014#a-tocopherol	237	43.815	0.000081275	0.000078463	0.97	0.910
715	1310BK02#4065#a-tocopherolacet	430	44.291	0.000067046	0.000072489	1.08	0.735
716	1310BK02#4065#a-tocopherolacet	165	44.291	0.000153339	0.000086932	0.57	0.130
717	1323AU19#2803#myo-ino-1-P 1	299	35.149	0.001404904	0.001835061	1.31	0.129
718	1323AU19#2803#myo-ino-1-P 1	318	35.149	0.001717883	0.003390794	<b>1.97</b>	<b>0.012</b>
719	1323AU19#2803#myo-ino-1-P 1	387	35.149	0.000821670	0.000983360	1.20	0.571
720	1323AU19#2897#myo-ino-1-P 2	318	35.928	0.000140738	0.000291931	<b>2.07</b>	<b>0.016</b>
721	1323AU19#2897#myo-ino-1-P 2	387	35.928	0.000045778	0.000162294	<b>3.55</b>	<b>0.005</b>
722	1323AU19#2897#myo-ino-1-P 2	494	35.928	0.000032094	0.000039450	1.23	0.521
723	1323AU30#3400#isomaltose	361	40.963	0.002256894	0.003436885	<b>1.52</b>	<b>0.035</b>
724	1323AU30#3400#isomaltose	160	40.963	0.000716158	0.001324768	<b>1.85</b>	<b>0.018</b>
725	1323AU30#3400#isomaltose	480	40.963	0.000103175	0.000171034	<b>1.66</b>	<b>0.033</b>
726	1323AU39#2079#ononitol	265	28.275	0.001008599	0.000385601	0.38	0.165
727	1323AU39#2079#ononitol	318	28.275	0.002583687	0.001887231	0.73	0.635
728	1323AU39#2079#ononitol	507	28.275	0.000183272	0.000173932	0.95	0.928
729	1324BK14#2728#glc-6-P MX1	160	33.886	0.010336547	0.015794326	<b>1.53</b>	<b>0.033</b>
730	1324BK14#2752#glc-6-P MX2	299	34.122	0.004335148	0.007068364	1.63	0.051
731	1324BK14#2752#glc-6-P MX2	471	34.122	0.001458633	0.000704522	0.48	0.483
732	1324BK16#2662#fru-6-P MX	459	33.716	0.000563140	0.001207358	<b>2.14</b>	<b>0.018</b>
733	1324BK20#2928#gluconic-6-P	299	35.281	0.000061750	0.000108313	1.75	0.060
734	1324BK20#2928#gluconic-6-P	387	35.281	0.000373540	0.000280107	0.75	0.801
735	1324BK22#2721#man-6-P MX1	387	33.720	0.003342773	0.004464207	1.34	0.124
736	1324BK22#2721#man-6-P MX1	160	33.720	0.003312678	0.002862725	0.86	0.706
737	1324BK22#2739#man-6-P MX2	387	33.893	0.022712380	0.036602246	<b>1.61</b>	<b>0.035</b>
738	1324BK23#1767#glyceral-3-P MX1	384	24.156	0.000065776	0.000026262	0.40	0.235
739	1324BK23#1767#glyceral-3-P MX1	299	24.156	0.000154489	0.000235355	1.52	0.432
740	1324BK23#1792#glyceral-3-P MX2	328	24.394	0.000319791	0.000642533	2.01	0.142
741	1324BK23#1792#glyceral-3-P MX2	299	24.395	0.003018048	0.000405445	0.13	0.419
742	1324BK24#1877#glycerol-1-P	357	25.120	0.002312621	0.007029739	<b>3.04</b>	<b>0.001</b>
743	1324BK24#1877#glycerol-1-P	299	25.120	0.003228249	0.009106057	<b>2.82</b>	<b>0.000</b>
744	1324BK31#2823#myo-ino-2-P 1	387	35.131	0.000502303	0.000983360	<b>1.96</b>	<b>0.027</b>
745	1324BK31#2898#myo-ino-2-P 2	387	35.873	0.000087292	0.000169900	<b>1.95</b>	<b>0.008</b>
746	1324BK31#2898#myo-ino-2-P 2	318	35.873	0.000214289	0.000307703	1.44	0.274
747	1325BK16#0403#d4-alanine 2	120	11.028	0.009086680	0.012372307	1.36	0.525
748	1325BK16#0914#g-aminobutyric 2	102	15.830	0.003166852	0.009663864	<b>3.05</b>	<b>0.004</b>
749	1325BK16#0914#g-aminobutyric 2	232	15.830	0.001525804	0.001634220	1.07	0.924
750	1325BK16#1034	266	16.936	0.818222953	0.387714088	0.47	0.423
751	1325BK16#1034	192	16.936	1.644136951	2.221892178	1.35	0.470
752	1325BK16#1302	338	19.407	0.080647563	0.028342795	0.35	0.446
753	1325BK16#1302	236	19.407	0.154210559	0.282767075	1.83	0.212
754	1325BK16#1308	232	19.462	0.009112329	0.016105997	1.77	0.130

755	1325BK16#1403	283	20.347	0.005456738	0.003376160	0.62	0.353
756	1325BK16#1537	247	21.624	0.001164603	0.002346979	2.02	0.005
757	1325BK16#1537	349	21.624	0.000503974	0.000496982	0.99	0.973
758	1325BK16#1546	306	21.692	0.005903918	0.004728573	0.80	0.381
759	1325BK16#1552	142	21.757	0.015498477	0.019473996	1.26	0.313
760	1325BK16#1552	186	21.757	0.012043402	0.018286027	1.52	0.101
761	1325BK16#1589	273	22.099	0.033601875	0.013775583	0.41	0.417
762	1325BK16#1610	160	22.293	0.004766610	0.001468271	0.31	0.441
763	1325BK16#1749	159	23.595	0.016492122	0.000950429	0.06	0.293
764	1325BK16#1900	273	25.004	0.043181122	0.028556410	0.66	0.248
765	1325BK16#1946	174	25.435	0.004789986	0.009819607	2.05	0.003
766	1325BK16#1946	299	25.435	0.007568039	0.013769966	1.82	0.000
767	1325BK16#2257	203	28.362	0.007419498	0.018575426	2.50	0.009
768	1325BK16#2261	299	28.410	0.020143236	0.021158000	1.05	0.807
769	1325BK16#2261	204	28.410	0.017244101	0.019468213	1.13	0.793
770	1325BK16#2280	284	28.593	0.000279253	0.000125448	0.45	0.379
771	1325BK16#2280	244	28.593	0.000509580	0.000504544	0.99	0.974
772	1325BK16#2372	185	29.448	0.000701274	0.000324162	0.46	0.393
773	1325BK16#2500#uric 4	456	30.735	0.000295310	0.003129816	10.60	0.000
774	1325BK16#2500#uric 4	441	30.735	0.000434579	0.004118255	9.48	0.000
775	1325BK16#2538	319	31.100	0.009304065	0.013849955	1.49	0.138
776	1325BK16#2547	319	31.189	0.011644466	0.017488254	1.50	0.128
777	1325BK16#2620	199	31.914	0.000096262	0.000181738	1.89	0.073
778	1325BK16#2633	263	32.041	0.000995754	0.000375171	0.38	0.057
779	1325BK16#2721	179	32.913	0.001224065	0.001002856	0.82	0.202
780	1325BK16#2781	250	33.500	0.000380769	0.000728338	1.91	0.117
781	1325BK16#2785	246	33.539	0.000210128	0.000159776	0.76	0.643
782	1325BK16#2906	387	34.720	0.000093291	0.000076660	0.82	0.460
783	1325BK16#2906	299	34.720	0.000615871	0.000092991	0.15	0.261
784	1325BK16#2954	390	35.184	0.000059439	0.000124057	2.09	0.175
785	1325BK16#2978	348	35.419	0.000056404	0.000078894	1.40	0.492
786	1325BK16#3052	374	36.146	0.001771691	0.000080370	0.05	0.378
787	1325BK16#3060	374	36.226	0.000071127	0.000313852	4.41	0.152
788	1325BK16#3075	374	36.376	0.000085982	0.000325986	3.79	0.395
789	1325BK16#3075	260	36.376	0.000293196	0.000158139	0.54	0.531
790	1325BK16#3089	204	36.514	0.056651342	0.031750789	0.56	0.232
791	1325BK16#3089	421	36.514	0.002531064	0.000037034	0.01	0.375
792	1325BK16#3138	462	37.006	0.001757275	0.000021170	0.01	0.374
793	1325BK16#3138	204	37.006	0.007070880	0.006195045	0.88	0.645
794	1325BK16#3148	473	37.105	0.000025726	0.000030236	1.18	0.693
795	1325BK16#3171	271	37.336	0.003070827	0.004067360	1.32	0.260
796	1325BK16#3184	186	37.464	0.000168999	0.000187887	1.11	0.759
797	1325BK16#3191	204	37.533	0.000846686	0.000821138	0.97	0.907
798	1325BK16#3191	117	37.533	0.000908136	0.001297448	1.43	0.255
799	1325BK16#3281	423	38.416	0.004342898	0.000162509	0.04	0.374
800	1325BK16#3284	349	38.446	0.000105112	0.000047438	0.45	0.447
801	1325BK16#3284	259	38.446	0.000288053	0.000365023	1.27	0.360
802	1325BK16#3293	156	38.535	0.000247578	0.000220790	0.89	0.744
803	1325BK16#3293	317	38.535	0.001250592	0.000087689	0.07	0.335
804	1325BK16#3299	450	38.593	0.000422279	0.000403742	0.96	0.868
805	1325BK16#3299	284	38.593	0.000668973	0.001004324	1.50	0.033
806	1325BK16#3311	175	38.712	0.000138526	0.000135608	0.98	0.967
807	1325BK16#3387	466	39.459	0.000195186	0.000105001	0.54	0.435
808	1325BK16#3387	262	39.459	0.000496759	0.000508688	1.02	0.945
809	1325BK16#3392	433	39.508	0.000236196	0.000303081	1.28	0.529
810	1325BK16#3414	160	39.724	0.001272992	0.001369850	1.08	0.310
811	1325BK16#3426	348	39.842	0.000190489	0.000435090	2.28	0.092
812	1325BK16#3481	355	40.380	0.000146184	0.000094316	0.65	0.184
813	1325BK16#3496	189	40.533	0.001631479	0.000895596	0.55	0.117
814	1325BK16#3496	204	40.533	0.013667648	0.010616305	0.78	0.662
815	1325BK16#3521	312	40.778	0.000032788	0.000040655	1.24	0.636
816	1325BK16#3530	525	40.866	0.001289682	0.000025378	0.02	0.373
817	1325BK16#3530	204	40.866	0.004815751	0.007285781	1.51	0.114



818	1325BK16#3530	345	40.866	0.000088878	0.000130095	1.46	0.215
819	1325BK16#3549	251	41.051	0.000083419	0.000087454	1.05	0.887
820	1325BK16#3549	292	41.051	0.000616258	0.000076174	0.12	0.383
821	1325BK16#3566	332	41.216	0.000456757	0.000490999	1.07	0.793
822	1325BK16#3566	361	41.216	0.000423825	0.000523859	1.24	0.552
823	1325BK16#3571	358	41.255	0.000119213	0.000038272	0.32	0.388
824	1325BK16#3607	251	41.615	0.000079961	0.000160213	2.00	0.039
825	1325BK16#3607	292	41.615	0.000028740	0.000050333	1.75	0.079
826	1325BK16#3614	318	41.684	0.000359129	0.000173606	0.48	0.463
827	1325BK16#3622	204	41.762	0.001716261	0.004441205	2.59	0.001
828	1325BK16#3663	318	42.161	0.000070865	0.000332593	4.69	0.013
829	1325BK16#3692	318	42.441	0.005097547	0.004733286	0.93	0.269
830	1325BK16#3703	204	42.548	0.207176295	0.192831101	0.93	0.379
831	1325BK16#3703	259	42.548	0.000366675	0.000400297	1.09	0.683
832	1325BK16#3802	375	43.487	0.000057965	0.000049014	0.85	0.502
833	1325BK16#3802	318	43.487	0.000080223	0.000115718	1.44	0.302
834	1325BK16#3825	91	43.721	0.000831574	0.000493361	0.59	0.053
835	1325BK16#3825	204	43.721	0.023084113	0.046763438	2.03	0.003
836	1325BK16#3923	91	44.673	0.000492487	0.000169580	0.34	0.006
837	1325BK16#3923	204	44.673	0.001339846	0.000431093	0.32	0.016
838	1325BK16#3944	349	44.873	0.000024510	0.000034080	1.39	0.291
839	1325BK16#3976	119	45.182	0.000226488	0.000245515	1.08	0.774
840	1325BK16#3976	259	45.182	0.000552951	0.000052078	0.09	0.062
841	1325BK16#4011	91	45.511	0.000178599	0.000149295	0.84	0.547
842	1325BK16#4011	204	45.511	0.000848258	0.000665826	0.78	0.335
843	1325BK16#4041	349	45.796	0.000023155	0.000027323	1.18	0.419
844	1325BK16#4304	441	48.284	0.001739209	0.000527974	0.30	0.024
845	1331BK22#2910	202	34.720	0.003978430	0.000262377	0.07	0.059
846	1331BK22#2910	361	34.720	0.009281011	0.000265501	0.03	0.082
847	1333BN04#2233#galacturonic MX1	333	28.162	0.003769997	0.002702804	0.72	0.502
848	1333BN06#2264#galacturonic MX1	364	28.162	0.000433089	0.000345843	0.80	0.526
849	1333BN06#2295#galacturonic MX2	333	28.450	0.002730608	0.003323622	1.22	0.234
850	1333BN06#2376#saccharic	373	29.206	0.001985010	0.000251104	0.13	0.397
851	1333BN07#2253	243	28.406	0.009987160	0.011350159	1.14	0.733
852	1333BN09#2268	333	28.910	0.012883135	0.010033262	0.78	0.477
853	1333BN09#2268	292	28.910	0.026240958	0.027014115	1.03	0.567
854	1334BV09#1143#O-acet-serine	174	17.897	0.002398122	0.112995305	47.12	0.000
855	1334BV11#1880#putrescine 4	361	24.487	0.012878729	0.066333658	5.15	0.000
856	1334BV11#1880#putrescine 4	214	24.487	0.038345028	0.349088338	9.10	0.000
857	1334BV11#1885	256	24.533	0.095406256	0.097209282	1.02	0.985
858	1334BV12#1883	174	24.533	0.147652892	1.788613634	12.11	0.100
859	1334BV12#1883	213	24.533	0.014001715	0.168638322	12.04	0.000
860	1334BV12#1883	314	24.533	0.011507823	0.155302827	13.50	0.000
861	1334BV17#1407#N-acet-serine	132	20.301	0.001997826	0.018391560	9.21	0.000
862	1334BV17#1407#N-acet-serine	186	20.301	0.000880644	0.028673681	32.56	0.000
863	1334BV17#1407#N-acet-serine	261	20.301	0.000802773	0.020458736	25.49	0.000
864	1334BV19#3944	204	43.806	0.023211174	0.046824596	2.02	0.003
865	1334BV19#3944	337	43.806	0.000908539	0.002400027	2.64	0.003
866	1334BV20#2975	451	34.690	0.001812302	0.000725358	0.40	0.072
867	1334BV20#2975	375	34.690	0.003752736	0.001699774	0.45	0.043
868	1334BV20#3961	202	43.806	0.025362803	0.001848045	0.07	0.015
869	1334BV20#3961	227	43.806	0.015470652	0.001243774	0.08	0.013
870	1334BV21#1152#O-acet-serine	116	17.897	0.001664692	0.040317711	24.22	0.000
871	1334BV21#1152#O-acet-serine	132	17.897	0.001865871	0.048701892	26.10	0.000
872	1334BV21#1407	289	20.257	0.000574631	0.012080764	21.02	0.000
873	1334BV21#1407	304	20.257	0.057139621	0.005988219	0.10	0.420
874	1334BV21#2181	174	27.244	0.179299653	0.530295165	2.96	0.001
875	1334BV21#2181	347	27.244	0.005901088	0.041767112	7.08	0.000
876	1334BV21#2181	405	27.244	0.023615927	0.028435794	1.20	0.808
877	1334BV27#1828	392	24.032	0.006169996	0.004855993	0.79	0.254
878	1334BV27#1828	275	24.032	0.032010890	0.018532375	0.58	0.609
879	1334BV27#2301	257	28.358	0.004927129	0.002551642	0.52	0.192
880	1334BV27#2301	188	28.358	0.005953681	0.004314610	0.72	0.625

881	1334BV27#3745	361	41.695	0.001797699	0.000188379	0.10	0.048
882	1334BV27#3745	306	41.695	0.001024858	0.000112055	0.11	0.245
883	1334BV27#3745	217	41.695	0.002789153	0.001079768	0.39	0.104
884	1334BV27#3812	361	42.311	0.002088124	0.000175440	0.08	0.014
885	1334BV27#3812	319	42.311	0.000290054	0.000057175	0.20	0.017
886	1334BV27#3812	85	42.311	0.007905110	0.007505635	0.95	0.222
887	1334BV27#3844	140	42.609	0.007705270	0.000435456	0.06	0.008
888	1334BV27#3844	361	42.609	0.002871159	0.055047363	19.17	0.028
889	1334BV27#3844	169	42.609	0.001083113	0.034066887	31.45	0.001
890	1334BV27#3864	324	42.790	0.017329973	0.090731211	5.24	0.002
891	1334BV27#3864	361	42.790	0.013793105	0.069475028	5.04	0.001
892	1334BV27#3864	450	42.790	0.003394611	0.017412144	5.13	0.001
893	1334BV27#3887	361	42.991	0.016344984	0.069492055	4.25	0.001
894	1334BV27#3887	217	42.991	0.010934531	0.082038580	7.50	0.000
895	1334BV27#3887	169	42.991	0.004056229	0.034106034	8.41	0.001
896	1334BV27#3920	361	43.298	0.009159192	0.000364334	0.04	0.011
897	1334BV27#3920	217	43.298	0.008143199	0.000694104	0.09	0.008
898	1334BV27#3920	169	43.298	0.002880702	0.000268613	0.09	0.011
899	1334BV27#4011	130	44.138	0.016709854	0.001983480	0.12	0.017
900	1334BV27#4011	155	44.138	0.007163327	0.000896939	0.13	0.010
901	1334BV27#4011	361	44.138	0.008818471	0.000765591	0.09	0.026
902	1334BV27#4073	105	44.722	0.005350695	0.000500077	0.09	0.010
903	1334BV27#4073	361	44.722	0.002408262	0.000332898	0.14	0.023
904	1334BV27#4073	217	44.722	0.004431752	0.001417085	0.32	0.023
905	1334BV27#4103	257	45.004	0.003121388	0.000686343	0.22	0.007
906	1334BV27#4103	232	45.004	0.003153875	0.000671545	0.21	0.004
907	1334BV27#4103	379	45.004	0.000237271	0.000068825	0.29	0.008
908	1334BV28#1746	275	23.324	0.064562647	0.300313626	4.65	0.000
909	1334BV28#1746	244	23.324	0.012390972	0.040593446	3.28	0.000
910	1334BV28#1746	155	23.324	0.015961436	0.050190673	3.14	0.000
911	1334BV28#1779	243	23.526	0.010443327	0.229641784	21.99	0.007
912	1334BV28#1779	345	23.526	0.001540007	0.031532339	20.48	0.007
913	1334BV28#1779	317	23.526	0.001456401	0.028304136	19.43	0.010
914	1334BV28#1818	319	23.978	0.018892609	0.115004164	6.09	0.005
915	1334BV28#1818	304	23.978	0.010302313	0.050153080	4.87	0.006
916	1334BV28#1818	190	23.978	0.028128048	0.057245941	2.04	0.201
917	1334BV28#2060	231	26.208	0.013606868	0.012598216	0.93	0.623
918	1334BV28#2060	333	26.208	0.005874713	0.006752698	1.15	0.365
919	1334BV28#2060	480	26.208	0.032746728	0.003363884	0.10	0.377
920	1334BV28#2242	200	27.883	0.007951971	0.027530484	3.46	0.063
921	1334BV28#2242	389	27.883	0.000624087	0.013608104	21.80	0.028
922	1334BV28#2242	506	27.883	0.002745147	0.002874156	1.05	0.964
923	1334BV28#2287	347	28.308	0.011223562	0.009367239	0.83	0.818
924	1334BV28#2287	232	28.308	0.020198505	0.045577055	2.26	0.027
925	1334BV28#2287	449	28.308	0.006582747	0.017379293	2.64	0.021
926	1334BV28#2613	326	31.222	0.000101351	0.004342573	42.85	0.175
927	1334BV28#2613	290	31.222	0.000658421	0.005630572	8.55	0.121
928	1334BV28#2613	428	31.222	0.002953781	0.002266821	0.77	0.833
929	1334BV28#3011	204	35.139	0.001643355	0.018403523	11.20	0.001
930	1334BV28#3011	157	35.139	0.000672309	0.007750025	11.53	0.002
931	1334BV28#3011	191	35.139	0.001136112	0.004990415	4.39	0.004
932	1334BV28#3022	204	35.238	0.001293074	0.005857209	4.53	0.001
933	1334BV28#3022	157	35.238	0.000836362	0.006033433	7.21	0.000
934	1334BV28#3022	331	35.238	0.000212770	0.001211317	5.69	0.001
935	1334BV28#3050	105	35.495	0.014541628	0.039659894	2.73	0.001
936	1334BV28#3050	331	35.495	0.004289210	0.001977386	0.46	0.536
937	1334BV28#3050	217	35.495	0.013390761	0.036461821	2.72	0.001
938	1334BV28#3103	446	35.994	0.000296424	0.002404919	8.11	0.017
939	1334BV28#3103	415	35.994	0.000402301	0.000407201	1.01	0.985
940	1334BV28#3103	217	35.994	0.001657663	0.001829371	1.10	0.864
941	1334BV28#3422	406	38.997	0.024646669	0.021692680	0.88	0.617
942	1334BV28#3422	217	38.997	0.035344899	0.041766951	1.18	0.501
943	1334BV28#3422	495	38.997	0.001669055	0.002312509	1.39	0.227

944	1334BV28#3687	324	41.474	0.000673284	0.002316281	3.44	0.001
945	1334BV28#3687	450	41.474	0.000413176	0.000529198	1.28	0.561
946	1334BV28#3687	361	41.474	0.000824785	0.002040094	2.47	0.002
947	1334BV28#3753	204	42.076	0.003214132	0.016483957	5.13	0.000
948	1334BV28#3753	357	42.076	0.000202914	0.000928331	4.58	0.000
949	1334BV28#3753	239	42.076	0.000240374	0.001030731	4.29	0.003
950	1334BV28#3871	354	43.152	0.002074230	0.009183600	4.43	0.001
951	1334BV28#3871	361	43.152	0.001402338	0.005365236	3.83	0.001
952	1334BV28#3871	450	43.152	0.000462564	0.001976004	4.27	0.001
953	1338AU05#2775#sorbitol-6-P	387	34.463	0.000068347	0.000050207	0.73	0.395
954	1338AU05#2775#sorbitol-6-P	299	34.463	0.000105516	0.000083261	0.79	0.554
955	1338AU05#2775#sorbitol-6-P	315	34.463	0.000072137	0.000063179	0.88	0.704
956	1338AU07#2713#gal-6-P MX1	299	33.813	0.026660883	0.038951924	1.46	0.024
957	1338AU07#2713#gal-6-P MX1	387	33.813	0.019290179	0.036479075	1.89	0.014
958	1338AU07#2713#gal-6-P MX1	160	33.813	0.009019881	0.015794326	1.75	0.024
959	1338AU07#2745#gal-6-P MX2	387	34.107	0.003384610	0.006758741	2.00	0.018
960	1338AU12#1860#glyceric-3-P	299	25.932	0.002096811	0.001581555	0.75	0.534
961	1338AU12#1860#glyceric-3-P	387	25.932	0.000811152	0.000514656	0.63	0.354
962	1338AU12#1860#glyceric-3-P	459	25.932	0.000602429	0.000211309	0.35	0.173
963	1340AU03#1851#p-aminobenzoic	266	26.300	0.000464725	0.000286992	0.62	0.074
964	1340AU03#1851#p-aminobenzoic	281	26.300	0.000542609	0.000140422	0.26	0.053
965	1340AU03#1851#p-aminobenzoic	222	26.300	0.001427601	0.001204171	0.84	0.688
966	1340AU04#0792#norleucine 2	158	16.236	0.000115877	0.000141341	1.22	0.640
967	1340AU04#0792#norleucine 2	232	16.236	0.000066758	0.000062352	0.93	0.786
968	1340AU04#0792#norleucine 2	260	16.236	0.000060251	0.000101406	1.68	0.197
969	1340AU06#1981#allantoin 4	331	27.205	0.053254244	0.055152570	1.04	0.950
970	1340AU06#1981#allantoin 4	431	27.205	0.009540117	0.007536980	0.79	0.468
971	1340AU06#1981#allantoin 4	446	27.205	0.015713151	0.013310148	0.85	0.531
972	1340AU06#2014#allantoin 5	518	27.512	0.000135965	0.000832247	6.12	0.069
973	1340AU06#2014#allantoin 5	428	27.512	0.000418529	0.000476348	1.14	0.724
974	1340AU06#2014#allantoin 5	403	27.512	0.025725916	0.000494573	0.02	0.360
975	1340AU07#1942#adenine	264	26.916	0.001330617	0.004434262	3.33	0.003
976	1340AU07#1942#adenine	279	26.916	0.000267267	0.000445094	1.67	0.332
977	1340AU07#1942#adenine	192	26.916	0.000760031	0.000972948	1.28	0.432
978	1340AU09#2378#guanine	352	31.071	0.000066823	0.000091637	1.37	0.421
979	1340AU09#2378#guanine	367	31.071	0.000104167	0.000049160	0.47	0.285
980	1340AU09#2378#guanine	264	31.071	0.000220499	0.000196047	0.89	0.661
981	1340AU10#1717#aconitic	285	24.894	0.001752597	0.003570652	2.04	0.236
982	1340AU10#1717#aconitic	375	24.894	0.002336016	0.004287246	1.84	0.294
983	1340AU10#1717#aconitic	229	24.894	0.007404044	0.011385093	1.54	0.408
984	1340AU11#2058#p-coumaric	249	28.101	0.001867822	0.001041180	0.56	0.003
985	1340AU11#2058#p-coumaric	293	28.101	0.001677288	0.000640883	0.38	0.072
986	1340AU11#2058#p-coumaric	308	28.101	0.001396844	0.000430010	0.31	0.210
987	1340AU12#1826#o-coumaric	293	25.885	0.001428783	0.001814463	1.27	0.709
988	1340AU12#1826#o-coumaric	308	25.885	0.001260714	0.000266528	0.21	0.304
989	1340AU12#1826#o-coumaric	161	25.885	0.005059319	0.001866295	0.37	0.016
990	1340AU14#3254#adenosine	322	38.986	0.000169230	0.000179582	1.06	0.615
991	1340AU14#3254#adenosine	465	38.986	0.000142804	0.000203952	1.43	0.219
992	1340AU14#3254#adenosine	540	38.986	0.000284075	0.000022203	0.08	0.376
993	1340AU15#2109#indole-3-acetic	202	28.475	0.000723102	0.000556862	0.77	0.716
994	1340AU15#2109#indole-3-acetic	319	28.475	0.002447603	0.003817960	1.56	0.555
995	1340AU15#2109#indole-3-acetic	276	28.475	0.000731902	0.000419332	0.57	0.595
996	1340AU18#2564#spermidine	156	32.807	0.007631503	0.002594274	0.34	0.522
997	1340AU20#1028#S-me-cysteine 2	162	18.434	0.004810102	0.005350784	1.11	0.696
998	1340AU20#1028#S-me-cysteine 2	218	18.434	0.001382908	0.001968243	1.42	0.135
999	1340AU20#1028#S-me-cysteine 2	236	18.434	0.005199526	0.000630652	0.12	0.375
1000	1340AU21#0999#glutaric	158	18.132	0.001737354	0.001949554	1.12	0.501
1001	1340AU21#0999#glutaric	261	18.132	0.001138222	0.001364198	1.20	0.423
1002	1340AU21#0999#glutaric	233	18.132	0.000438173	0.000465674	1.06	0.730
1003	2009AU02#4302	204	46.743	0.000774717	0.003404730	4.39	0.234
1004	2009AU02#4302	191	46.743	0.000777529	0.001336033	1.72	0.228
1005	2009AU02#4302	259	46.743	0.000071556	0.000185682	2.59	0.039
1006	2009AU04#3664#melibiose MX1	204	40.845	0.005356085	0.007285781	1.36	0.058

1007	2009AU04#3664#melibiose MX1	361	40.845	0.001992113	0.003462720	1.74	0.041
1008	2009AU04#3664#melibiose MX1	480	40.845	0.000108188	0.000176347	1.63	0.047
1009	2009AU04#4352#melezitose	361	47.192	0.000072673	0.000081936	1.13	0.729
1010	2009AU04#4352#melezitose	451	47.192	0.000056639	0.000026760	0.47	0.091
1011	2009AU04#4352#melezitose	271	47.192	0.000080635	0.000075437	0.94	0.834
1012	2009AU07#3699#melibiose MX2	204	41.168	0.002442433	0.001439231	0.59	0.162
1013	2009AU07#3699#melibiose MX2	361	41.168	0.000448087	0.000663834	1.48	0.177
1014	2009AU07#3699#melibiose MX2	160	41.168	0.000182634	0.000338765	1.85	0.038
1015	2009AU13#3506#trehalose	169	39.356	0.009893265	0.002537009	0.26	0.234
1016	2009AU13#3506#trehalose	361	39.356	0.018313599	0.012835835	0.70	0.191
1017	2015BV03#0799#serine 2	219	14.818	0.045346793	0.107878121	2.38	0.000
1018	2015BV03#1056#serine 3	204	17.133	0.402486550	1.046228846	2.60	0.002
1019	2015BV03#1056#serine 3	278	17.133	0.023498284	0.059240710	2.52	0.003
1020	2015BV30#2713#tryptamine	174	32.434	0.000993025	0.001655713	1.67	0.176
1021	2015BV30#2713#tryptamine	273	32.434	0.000065251	0.000092179	1.41	0.310
1022	2015BV30#2713#tryptamine	361	32.434	0.001077399	0.000114917	0.11	0.372
1023	2066BN03#1003#nicotine	84	16.891	0.004822798	0.002039332	0.42	0.212
1024	2066BN03#1003#nicotine	133	16.891	0.086869047	0.046944655	0.54	0.463
1025	2066BN03#1003#nicotine	161+162	16.891	0.001300063	0.000650299	0.50	0.540
1026	2066BN03#1003#nicotine	85	16.891	0.004545647	0.001742626	0.38	0.099
1027	2066BN03#1382#salicylic	267	20.265	0.002172590	0.004650662	2.14	0.002
1028	2066BN03#1382#salicylic	268	20.265	0.000730855	0.001392125	1.90	0.025
1029	2066BN03#1382#salicylic	209	20.265	0.000472337	0.000778946	1.65	0.005
1030	2066BN03#1382#salicylic	91	20.265	0.001274005	0.000848997	0.67	0.583
1031	2066BN03#1722#t-o-coumaric	190	23.300	0.001601626	0.002817600	1.76	0.027
1032	2066BN03#1722#t-o-coumaric	293	23.300	0.000383329	0.000193104	0.50	0.431
1033	2066BN03#1722#t-o-coumaric	308	23.300	0.004647500	0.001498563	0.32	0.119
1034	2066BN03#1722#t-o-coumaric	161	23.300	0.003719751	0.001920239	0.52	0.459
1035	2077BN06#1973#galactonic	333	28.978	0.012883135	0.010033262	0.78	0.477
1036	2077BN06#1973#galactonic	292	28.978	0.021094533	0.027039887	1.28	0.320
1037	2077BN06#1973#galactonic	423	28.978	0.000953474	0.000582131	0.61	0.344
1038	2077BN06#1973#galactonic	433	28.978	0.002389155	0.002398871	1.00	0.951
1039	2077BN07#1944#gulonic	333	28.433	0.002639205	0.003375284	1.28	0.113
1040	2077BN07#1944#gulonic	292	28.433	0.002474354	0.002974020	1.20	0.459
1041	2077BN07#1944#gulonic	423	28.433	0.000274218	0.000269164	0.98	0.931
1042	2077BN07#1944#gulonic	433	28.433	0.010045751	0.000321732	0.03	0.373
1043	2077BN11#1910#glucuronic MX1	333	28.018	0.006482476	0.006680614	1.03	0.821
1044	2077BN11#1910#glucuronic MX1	160	28.018	0.002553554	0.005977647	2.34	0.005
1045	2077BN11#1910#glucuronic MX1	423	28.018	0.002918976	0.000409512	0.14	0.371
1046	2077BN11#1932#glucuronic MX2	160	28.245	0.005163775	0.007181796	1.39	0.200
1047	2077BN11#1932#glucuronic MX2	292	28.245	0.001856102	0.002500716	1.35	0.485
1048	2077BN11#1932#glucuronic MX2	393	28.245	0.000863896	0.000191810	0.22	0.311
1049	2081BN03#2686#t-3,5ME4OHcin MX	174	30.838	0.001867590	0.006090800	3.26	0.004
1050	2081BN03#2686#t-3,5ME4OHcin MX	248	30.838	0.000147800	0.000131428	0.89	0.609
1051	2081BN03#2686#t-3,5ME4OHcin MX	309	30.838	0.000112003	0.000136933	1.22	0.517
1052	2081BN04#2381#coniferyl alcol	324	28.143	0.000479848	0.000578650	1.21	0.592
1053	2081BN04#2381#coniferyl alcol	293	28.143	0.002508269	0.001183234	0.47	0.101
1054	2081BN04#2381#coniferyl alcol	235	28.143	0.001301757	0.002028863	1.56	0.371
1055	2081BN05#2389#t-3ME4OHcin MX2	248	28.252	0.000382353	0.000467354	1.22	0.578
1056	2081BN05#2389#t-3ME4OHcin MX2	279	28.252	0.000488312	0.000354527	0.73	0.749
1057	2081BN05#2389#t-3ME4OHcin MX2	218	28.252	0.006034066	0.010945940	1.81	0.481
1058	2081BN05#2406#t-3ME4OHcin MX1	279	28.437	0.000265109	0.000114039	0.43	0.412
1059	2081BN05#2406#t-3ME4OHcin MX1	248	28.437	0.003545677	0.001150293	0.32	0.374
1060	2081BN05#2406#t-3ME4OHcin MX1	218	28.437	0.014131569	0.019384794	1.37	0.516
1061	2081BN06#2646#sinapyl alkal	354	30.473	0.001025909	0.000245000	0.24	0.384
1062	2081BN06#2646#sinapyl alkal	234	30.473	0.002942630	0.004288529	1.46	0.225
1063	2081BN06#2646#sinapyl alkal	323	30.473	0.006619715	0.000926356	0.14	0.326
1064	2081BN09#3943	556	41.942	0.000015764	0.000016546	1.05	0.915
1065	2081BN09#3943	526	41.942	0.000034194	0.000015870	0.46	0.187
1066	2081BN09#3943	279	41.942	0.000465814	0.000056796	0.12	0.387
1067	2081BN33#3156	174	35.040	0.000193126	0.000373652	1.93	0.158
1068	2081BN33#3156	324	35.040	0.000047591	0.000074043	1.56	0.114
1069	2081BN33#3156	455	35.040	0.000547217	0.000051084	0.09	0.387

1070	2081BN33#3665	556	39.454	0.000014147	0.000012190	0.86	0.460
1071	2081BN33#3665	526	39.454	0.000041957	0.000023113	0.55	0.447
1072	2081BN33#3665	279	39.454	0.001309111	0.000208043	0.16	0.379

								Constitutive starvation, date point 2 (c2)			
#	NAME	Q_TRACE	PRED_RT	Avg Resp nS	Avg Resp -S	R -S/nS	P-value				
1	1090DK05#4896#1-t-caffeoquinic	307	46.502	0.000222939	0.000347593	1.56	0.339				
2	1090DK05#4896#1-t-caffeoquinic	324	46.502	0.000052058	0.000057115	1.10	0.811				
3	1090DK05#4896#1-t-caffeoquinic	219	46.502	0.002227124	0.004654191	2.09	0.055				
4	1164CC35#1780#arginine 5	256	26.181	0.235247667	0.035479784	0.15	0.021				
5	1164CC35#1780#arginine 5	157	26.181	0.406656549	0.061837718	0.15	0.017				
6	1164CC37#1216	243	20.159	0.263651730	0.472151823	1.79	0.021				
7	1164CC37#1220	142	20.257	0.009436362	0.145219742	15.39	0.000				
8	1164CC37#1267	232	20.717	0.017364185	0.026871126	1.55	0.027				
9	1164CC37#1280	155	20.807	0.959021648	2.757914432	2.88	0.145				
10	1164CC37#1378	301	21.835	0.067977578	0.644816847	9.49	0.078				
11	1164CC37#1378	227	21.835	0.165684610	1.476632503	8.91	0.063				
12	1164CC37#1378	344	21.835	0.084981801	0.833661460	9.81	0.070				
13	1164CC37#1705#glutamine 3	156	25.296	2.914964765	3.035971038	1.04	0.895				
14	1164CC37#1705#glutamine 3	245	25.296	1.169281913	5.392526448	4.61	0.002				
15	1164CC37#1965	204	28.073	1.859891177	1.922839230	1.03	0.739				
16	1194BK05#2052#ornithine 4	420	25.990	0.065138516	0.017590845	0.27	0.020				
17	1194BK05#2052#ornithine 4	142	25.990	1.305234483	0.347635106	0.27	0.017				
18	1194BK05#2052#ornithine 4	174	25.990	0.654811591	0.180576073	0.28	0.013				
19	1194BK09#2389#glutamine 4	227	28.996	0.106710181	0.720738740	6.75	0.082				
20	1194BK09#2389#glutamine 4	317	28.996	0.026530976	0.183788403	6.93	0.077				
21	1194BK09#2389#glutamine 4	156	28.996	0.028450066	0.189813325	6.67	0.082				
22	1194BK11#1453#t-4-HO-proline	230	20.567	0.545653427	1.954714049	3.58	0.003				
23	1194BK11#1453#t-4-HO-proline	140	20.567	0.129977570	0.438264958	3.37	0.003				
24	1194BK11#1453#t-4-HO-proline	304	20.567	0.000315966	0.000325933	1.03	0.769				
25	1194BK15#1922#arginine 3	174	24.834	0.354151525	0.023662779	0.07	0.016				
26	1194BK15#1922#ornithine 3	174	24.834	0.354151525	0.020024640	0.06	0.015				
27	1194BK15#1922#ornithine 3	186	24.834	0.109608325	0.003524251	0.03	0.004				
28	1194BK15#1922#ornithine 3	348	24.834	0.026951942	0.000845613	0.03	0.010				
29	1194BK15#2050#arginine 4	142	25.990	1.305234483	0.347635106	0.27	0.017				
30	1194BK20#2225#gal MX2	160	27.625	0.015589102	2.263328893	145.19	0.001				
31	1215BK02#1748#arabinose MX	217	23.253	0.052930628	0.046722848	0.88	0.397				
32	1215BK02#1748#arabinose MX	307	23.253	0.027829856	0.024096838	0.87	0.380				
33	1215BK02#1753#arabinose MX	160	23.253	0.014097364	0.011757427	0.83	0.196				
34	1215BK03#1782#ribose MX	217	23.568	0.033446689	0.041959154	1.25	0.316				
35	1215BK04#1717#xylose MX1	307	22.988	0.005543049	0.004808829	0.87	0.409				
36	1215BK04#1717#xylose MX1	160	22.988	0.001953596	0.001664173	0.85	0.229				
37	1215BK04#1738#xylose MX2	160	23.178	0.014043155	0.011757427	0.84	0.208				
38	1215BK05#3504#maltose MX1	480	39.300	0.000679184	0.000456942	0.67	0.149				
39	1215BK05#3540#maltose MX2	204	39.594	0.025075134	0.011490578	0.46	0.010				
40	1215BK07#1896#fucose MX1	160	24.395	0.018928523	0.015801852	0.83	0.106				
41	1215BK07#1896#fucose MX1	160	24.395	0.018928523	0.015801852	0.83	0.106				
42	1215BK07#1896#fucose MX2	160	24.595	0.003750928	0.003583129	0.96	0.717				
43	1215BK07#1896#fucose MX2	117	24.595	0.042284508	0.034269731	0.81	0.109				
44	1215BK09#2256#mannitol	319	27.889	0.545002121	0.017152254	0.03	0.397				
45	1215BK09#2256#mannitol	307	27.889	0.023614841	0.001546304	0.07	0.392				
46	1215BK09#2256#mannitol	421	27.889	0.000405399	0.000366980	0.91	0.855				
47	1215BK11#1416#erythritol	205	20.277	0.014933077	0.014183130	0.95	0.580				
48	1215BK11#1416#erythritol	320	20.277	0.001345012	0.001193698	0.89	0.332				
49	1215BK11#1416#erythritol	293	20.277	0.002302663	0.002108774	0.92	0.372				
50	1215BK12#2269#sorbitol	319	28.002	0.008903460	0.017152254	1.93	0.001				
51	1215BK12#2269#sorbitol	307	28.002	0.001176704	0.001249896	1.06	0.731				
52	1215BK12#2269#sorbitol	419	28.002	0.000211945	0.000277151	1.31	0.543				
53	1215BK13#2273#galactitol	307	28.086	0.003814727	0.003974291	1.04	0.791				
54	1215BK13#2273#galactitol	421	28.086	0.000132336	0.000204616	1.55	0.382				
55	1215BK13#2273#galactitol	331	28.086	0.004664809	0.004916544	1.05	0.713				
56	1215BK14#1835#xylitol	307	24.083	0.000630330	0.000582511	0.92	0.501				



57	1215BK14#1835#xylitol	319	24.083	0.007223121	0.012152493	1.68	0.533
58	1215BK15#3625#maltitol	191	40.453	0.001949674	0.002720510	1.40	0.014
59	1215BK15#3625#maltitol	361	40.453	0.005554514	0.008687128	1.56	0.026
60	1215BK16#1857#rhamnose MX1	364	24.249	0.000329401	0.000506066	1.54	0.170
61	1215BK16#1867#rhamnose MX2	117	24.348	0.724199246	0.658282989	0.91	0.126
62	1215BK16#1867#rhamnose MX2	160	24.348	0.019069615	0.015801852	0.83	0.100
63	1215BK22#1328#citramalic	349	19.462	0.000187819	0.000105692	0.56	0.026
64	1215BK22#1328#citramalic	247	19.462	0.002536483	0.001297769	0.51	0.010
65	1215BK38#1269#homoserine 3	218	19.050	0.003872107	0.004229307	1.09	0.469
66	1215BK38#1269#homoserine 3	292	19.050	0.000124758	0.000144395	1.16	0.573
67	1215BK38#1557#a-kt-glutaric MX	198	21.703	0.013487051	0.013243614	0.98	0.868
68	1215BK38#1557#a-kt-glutaric MX	288	21.703	0.004062671	0.004729127	1.16	0.237
69	1215BK38#1557#a-kt-glutaric MX	304	21.703	0.003574806	0.003753112	1.05	0.790
70	1215BK38#1724#homocysteine 3	234	23.251	0.003252704	0.003855718	1.19	0.305
71	1215BK38#1724#homocysteine 3	351	23.251	0.000148226	0.000181509	1.22	0.828
72	1215BK38#1724#homocysteine 3	261	23.251	0.000406860	0.000216588	0.53	0.076
73	1215BK38#2153#gal MX1	160	27.304	0.098805256	0.142727802	1.44	0.027
74	1215BK38#2153#gal MX1	319	27.304	0.217489270	0.316083438	1.45	0.022
75	1215BK38#2153#gal MX1	205	27.304	0.235250262	0.362163094	1.54	0.012
76	1215BK38#2207#c-ferulic	293	27.793	0.000656089	0.000688768	1.05	0.800
77	1215BK38#2207#c-ferulic	249	27.793	0.000797308	0.000755366	0.95	0.797
78	1215BK38#2207#c-ferulic	338	27.793	0.000344119	0.000449595	1.31	0.173
79	1215BK38#2439#c-sinapic	338	30.024	0.020869183	0.017748015	0.85	0.473
80	1215BK38#2439#c-sinapic	368	30.024	0.019600778	0.017157512	0.88	0.577
81	1215BK38#2439#c-sinapic	323	29.907	0.007042474	0.005775456	0.82	0.315
82	1219BK04#2184#galactonic-1,4-L	334	27.254	0.071395160	0.026804973	0.38	0.392
83	1219BK04#2184#galactonic-1,4-L	361	27.254	0.006180005	0.010989070	1.78	0.168
84	1219BK04#2184#galactonic-1,4-L	466	27.254	0.001701947	0.092107337	54.12	0.069
85	1219BK05#2185#a-kt-gulonic MX	349	27.346	0.001003019	0.006696637	6.68	0.000
86	1219BK05#2185#a-kt-gulonic MX	186	27.346	0.077870044	0.036472667	0.47	0.126
87	1219BK07#2218#gulonic-1,4-L	333	27.850	0.006445776	0.009751132	1.51	0.101
88	1219BK07#2218#gulonic-1,4-L	466	27.850	0.000147510	0.001609787	10.91	0.385
89	1219BK07#2218#gulonic-1,4-L	243	27.850	0.024169137	0.022166668	0.92	0.880
90	1248BK08#0805	117	14.496	0.010919115	0.008309193	0.76	0.072
91	1248BK08#0815#benzoic	179	14.591	0.018388201	0.015376591	0.84	0.415
92	1248BK08#0815#benzoic	105	14.591	0.015386065	0.012076738	0.78	0.442
93	1248BK08#0856#urea	189	14.931	0.011173204	0.022690246	2.03	0.000
94	1248BK08#0931#threonine 2	219	15.643	0.107297879	0.118302283	1.10	0.289
95	1248BK08#0931#threonine 2	117	15.643	0.345877566	0.381023001	1.10	0.290
96	1248BK08#0953#glycine 3	174	15.840	0.172769565	0.209348741	1.21	0.082
97	1248BK08#0953#glycine 3	248	15.840	0.024635974	0.030357718	1.23	0.065
98	1248BK08#0990	306	16.178	0.000067246	0.000070423	1.05	0.937
99	1248BK08#1020	184	16.441	0.034996544	0.030709529	0.88	0.414
100	1248BK08#1020	285	16.441	0.011349208	0.009809039	0.86	0.428
101	1248BK08#1043#uracil 2	241	16.639	0.002226101	0.001587637	0.71	0.350
102	1248BK08#1056	259	16.761	0.000495044	0.000165211	0.33	0.313
103	1248BK08#1107#thymine 2	255	17.231	0.000592701	0.000482105	0.81	0.163
104	1248BK08#1121	257	17.348	0.000061782	0.000069093	1.12	0.652
105	1248BK08#1128	141	17.420	0.015738486	0.018502051	1.18	0.579
106	1248BK08#1180	142	17.888	0.001934312	0.005599586	2.89	0.000
107	1248BK08#1196	259	18.041	0.000269480	0.000488453	1.81	0.220
108	1248BK08#1214	242	18.194	0.000062519	0.000062596	1.00	0.998
109	1248BK08#1214	234	18.194	0.006091845	0.017771389	2.92	0.355
110	1248BK08#1225	104	18.293	0.003834726	0.002927622	0.76	0.171
111	1248BK08#1249#b-alanine 3	248	18.526	0.015671342	0.060597742	3.87	0.000
112	1248BK08#1249#b-alanine 3	290	18.526	0.003904965	0.015265273	3.91	0.000
113	1248BK08#1249#b-alanine 3	174	18.526	0.025425532	0.087981389	3.46	0.000
114	1248BK08#1308#homoserine 3	128	19.050	0.001203996	0.001486493	1.23	0.182
115	1248BK08#1340	255	19.313	0.002246236	0.002021065	0.90	0.750
116	1248BK08#1368	155	19.569	0.127859410	0.736428967	5.76	0.004
117	1248BK08#1368	229	19.565	0.006902937	0.039302726	5.69	0.003
118	1248BK08#1446	306	20.299	0.000380174	0.001767305	4.65	0.218
119	1248BK08#1463#methionine 2	176	20.453	0.009739183	0.007289239	0.75	0.204

120	1248BK08#1463#methionine 2	128	20.453	0.007598339	0.010794952	1.42	0.362
121	1248BK08#1527	120	21.054	0.027920239	0.016905018	0.61	0.114
122	1248BK08#1540#cysteine 3	294	21.171	0.000199359	0.000090207	0.45	0.006
123	1248BK08#1540#cysteine 3	220	21.171	0.004509640	0.002069240	0.46	0.017
124	1248BK08#1568	162	21.424	0.008380202	0.013883441	1.66	0.017
125	1248BK08#1568	218	21.424	0.019195113	0.031564312	1.64	0.018
126	1248BK08#1630	188	21.984	0.071598273	0.193675257	2.71	0.213
127	1248BK08#1641	305	22.084	0.021344488	0.049509367	2.32	0.021
128	1248BK08#1669	142	22.339	0.128760005	0.023604367	0.18	0.002
129	1248BK08#1669	348	22.339	0.009604770	0.001888827	0.20	0.003
130	1248BK08#1695	188	22.592	0.004658222	0.026762370	5.75	0.068
131	1248BK08#1695	216	22.592	0.004836380	0.009205925	1.90	0.133
132	1248BK08#1841	275	23.932	0.113096235	0.842104726	7.45	0.000
133	1248BK08#1852	173	24.032	0.183441729	0.534601117	2.91	0.007
134	1248BK08#1888	156	24.340	0.007513706	0.000356469	0.05	0.075
135	1248BK08#1907	227	24.517	0.006410030	1.238255669	193.17	0.022
136	1248BK08#1907	203	24.517	0.004602588	0.990063773	215.11	0.025
137	1248BK08#1907	317	24.517	0.002205389	0.359288161	162.91	0.027
138	1248BK08#1940	216	24.844	0.009073810	0.002935439	0.32	0.298
139	1248BK08#1948	216	24.919	0.000449746	0.001127328	2.51	0.018
140	1248BK08#1969	333	25.113	0.006002617	0.006917681	1.15	0.116
141	1248BK08#1969	292	25.113	0.030303769	0.034546711	1.14	0.237
142	1248BK08#2056	461	25.911	0.000056506	0.000050064	0.89	0.804
143	1248BK08#2056	371	25.911	0.000186673	0.000102743	0.55	0.513
144	1248BK08#2056	257	25.911	0.002454204	0.006897696	2.81	0.172
145	1248BK08#2264#lysine 4	156	27.765	0.094890362	0.104672558	1.10	0.571
146	1248BK08#2264#lysine 4	317	27.765	0.051112309	0.056073965	1.10	0.628
147	1248BK08#2264#lysine 4	174	27.765	0.141688463	0.150541758	1.06	0.719
148	1248BK08#2323	217	28.410	0.038881149	0.071021753	1.83	0.193
149	1248BK08#2323	361	28.410	0.009932521	0.019124111	1.93	0.207
150	1248BK08#2406#saccharic	333	29.208	0.003233797	0.004385836	1.36	0.019
151	1248BK08#2411	433	29.287	0.000568859	0.000722959	1.27	0.047
152	1248BK08#2411	205	29.287	0.002901222	0.004321519	1.49	0.001
153	1248BK08#2429	393	29.460	0.005957445	0.002861476	0.48	0.012
154	1248BK08#2495	204	30.096	0.000807146	0.004438155	5.50	0.200
155	1248BK08#2495	539	30.096	0.000031969	0.000022342	0.70	0.172
156	1248BK08#2495	333	29.751	0.013352652	0.011134918	0.83	0.159
157	1248BK08#2568	245	30.794	0.000471055	0.000046857	0.10	0.062
158	1248BK08#2568	257	30.794	0.000312080	0.001002898	3.21	0.067
159	1248BK08#2568	292	30.794	0.000202789	0.000144355	0.71	0.691
160	1248BK08#2588	228	30.986	0.000321896	0.000203553	0.63	0.365
161	1248BK08#2664	437	31.721	0.000106273	0.000174507	1.64	0.207
162	1248BK08#2720#9,12(Z,Z)-18:2	337	32.269	0.000094344	0.000126983	1.35	0.378
163	1248BK08#2771	373	32.768	0.000090011	0.000113480	1.26	0.265
164	1248BK08#2796	373	33.013	0.000064015	0.000075640	1.18	0.579
165	1248BK08#2876	337	33.808	0.031952109	0.015910067	0.50	0.041
166	1248BK08#2876	217	33.820	0.058613742	0.030623439	0.52	0.023
167	1248BK08#2876	361	33.820	0.008791152	0.005044432	0.57	0.054
168	1248BK08#2949	433	34.530	0.000137469	0.000343144	2.50	0.018
169	1248BK08#2983	387	34.866	0.000049476	0.000072211	1.46	0.086
170	1248BK08#2983	299	34.866	0.000295087	0.000308569	1.05	0.923
171	1248BK08#3000	289	35.048	0.000112181	0.000126652	1.13	0.547
172	1248BK08#3018	334	35.216	0.000072467	0.000210625	2.91	0.009
173	1248BK08#3036	289	35.396	0.000074138	0.000073480	0.99	0.972
174	1248BK08#3036	334	35.396	0.000049858	0.000276294	5.54	0.008
175	1248BK08#3086	401	35.894	0.000056087	0.000050843	0.91	0.789
176	1248BK08#3086	437	35.894	0.000038151	0.000058525	1.53	0.218
177	1248BK08#3103	260	36.064	0.000130491	0.000120894	0.93	0.818
178	1248BK08#3131	446	36.344	0.000976392	0.005822267	5.96	0.011
179	1248BK08#3177	313	36.806	0.000093697	0.000867808	9.26	0.016
180	1248BK08#3192	387	36.957	0.000088977	0.000435703	4.90	0.108
181	1248BK08#3192	299	36.957	0.000093175	0.000421832	4.53	0.277
182	1248BK08#3192	471	36.957	0.000025360	0.000071514	2.82	0.134

183	1248BK08#3196	324	37.007	0.000072758	0.000619526	8.51	0.005
184	1248BK08#3223	287	37.271	0.000039305	0.000153842	3.91	0.261
185	1248BK08#3233	401	37.373	0.000043649	0.000075110	1.72	0.292
186	1248BK08#3359	491	38.628	0.000029956	0.000023735	0.79	0.608
187	1248BK08#3365	480	38.701	0.000103224	0.000144722	1.40	0.060
188	1248BK08#3365	307	38.701	0.000309414	0.000532140	1.72	0.019
189	1248BK08#3383	307	38.885	0.000315692	0.001201755	3.81	0.046
190	1248BK08#3385	295	38.914	0.001040383	0.000815235	0.78	0.485
191	1248BK08#3405	322	39.118	0.000151936	0.000176038	1.16	0.444
192	1248BK08#3412	473	39.178	0.000016403	0.000029663	1.81	0.259
193	1248BK08#3447	437	39.532	0.000706572	0.001346829	1.91	0.003
194	1248BK08#3456	361	39.623	0.005174137	0.004377432	0.85	0.552
195	1248BK08#3463	288	39.693	0.000053353	0.000056513	1.06	0.886
196	1248BK08#3468	437	39.743	0.000070951	0.000118461	1.67	0.611
197	1248BK08#3479	437	39.855	0.000083937	0.000239944	2.86	0.055
198	1248BK08#3581	539	40.856	0.000022083	0.000036485	1.65	0.155
199	1248BK08#3589	396	40.937	0.000027847	0.000018967	0.68	0.401
200	1248BK08#3589	361	40.937	0.000905377	0.004763069	5.26	0.001
201	1248BK08#3606	285	41.112	0.000072317	0.000081501	1.13	0.681
202	1248BK08#3627	296	41.303	0.000448831	0.000372388	0.83	0.278
203	1248BK08#3643	479	41.457	0.000021777	0.000014981	0.69	0.424
204	1248BK08#3773	446	42.694	0.000019585	0.000022679	1.16	0.780
205	1248BK08#3773	229	42.694	0.005368013	0.019179260	3.57	0.005
206	1248BK08#4003	259	44.854	0.001174406	0.000092358	0.08	0.068
207	1248BK08#4172#raffinose	437	46.417	0.006753373	0.020242053	3.00	0.003
208	1248BK08#4172#raffinose	451	46.417	0.002152938	0.010878263	5.05	0.009
209	1248BK08#4172#raffinose	361	46.417	0.036362441	0.103046840	2.83	0.005
210	1248BK08#4180	437	46.509	0.006760149	0.020245887	2.99	0.003
211	1248BK08#4180	204	46.509	0.018176257	0.043884301	2.41	0.056
212	1248BK08#4180	217	46.509	0.028390682	0.060366267	2.13	0.084
213	1248BK08#4186	451	46.633	0.002976145	0.010894764	3.66	0.009
214	1250BK34#0703#dodecane	85	13.194	1.301977437	1.191703210	0.92	0.269
215	1263BK24#0843	174	14.907	1.684420921	0.837018179	0.50	0.008
216	1263BK24#0864#leucine 2	158	15.095	0.056504440	0.057563290	1.02	0.863
217	1263BK24#0864#leucine 2	232	15.095	0.002118496	0.002069892	0.98	0.842
218	1263BK24#0874#glycerol	117	15.184	0.060545252	0.046962237	0.78	0.180
219	1263BK24#0874#glycerol	205	15.184	0.092743621	0.097357343	1.05	0.910
220	1263BK24#0874#glycerol	218	15.184	0.031685486	0.029805112	0.94	0.751
221	1263BK24#0874#glycerol	293	15.184	0.002363243	0.002320850	0.98	0.920
222	1263BK24#0960	174	15.965	2.929400333	3.322458537	1.13	0.222
223	1263BK24#1089	156	17.123	0.000676032	0.001471808	2.18	0.026
224	1263BK24#1089	215	17.123	0.003020630	0.000390705	0.13	0.127
225	1263BK24#1215	219	18.264	0.004361538	0.006048977	1.39	0.025
226	1263BK24#1243	228	18.516	0.017501717	0.017386379	0.99	0.982
227	1263BK24#1446	188	20.361	0.003162682	0.002833775	0.90	0.536
228	1263BK24#1633	292	22.057	0.002219212	0.002398997	1.08	0.836
229	1263BK24#1633	117	22.057	0.000660575	0.007435803	11.26	0.368
230	1263BK24#1743	257	23.051	0.003939920	0.004003963	1.02	0.905
231	1263BK24#1785	150	23.426	0.000402111	0.002164481	5.38	0.001
232	1263BK24#1785	272	23.426	0.004490764	0.023669526	5.27	0.000
233	1263BK24#1861	303	24.109	0.004619866	0.003580939	0.78	0.268
234	1263BK24#1907	357	24.532	0.000340079	0.000543076	1.60	0.155
235	1263BK24#1910	416	24.554	0.006991372	0.013705648	1.96	0.050
236	1263BK24#1994	133	25.314	0.140379917	0.124497646	0.89	0.218
237	1263BK24#2004	244	25.433	0.003088842	0.005630518	1.82	0.317
238	1263BK24#2026	194	25.595	0.001470658	0.001466016	1.00	0.981
239	1263BK24#2047	437	25.800	0.001532177	0.003069910	2.00	0.237
240	1263BK24#2063	345	25.931	0.001811986	0.001951431	1.08	0.874
241	1263BK24#2063	435	25.931	0.001607920	0.002293115	1.43	0.309
242	1263BK24#2154	144	26.771	0.001175375	0.002145337	1.83	0.016
243	1263BK24#2154	307	26.771	0.002262316	0.000376016	0.17	0.121
244	1263BK24#2269	234	27.828	0.006785629	0.007413093	1.09	0.796
245	1263BK24#2295#tyrosine	218	28.072	0.153194603	0.187069505	1.22	0.156

246	1263BK24#2295#tyrosine	280	28.072	0.010012695	0.013765989	1.37	0.113
247	1263BK24#2476	319	29.726	0.075241000	0.000279565	0.00	0.198
248	1263BK24#2679	300	31.578	0.000096124	0.000115824	1.20	0.594
249	1263BK24#2679	228	31.578	0.000115634	0.000077440	0.67	0.407
250	1263BK24#2697	458	31.740	0.000024196	0.000028300	1.17	0.704
251	1263BK24#2727	235	32.014	0.002659055	0.004465538	1.68	0.002
252	1263BK24#2772	328	32.434	0.004100986	0.007613568	1.86	0.368
253	1263BK24#2814#spermidine	174	32.824	0.003710209	0.005549443	1.50	0.146
254	1263BK24#2814#spermidine	144	32.824	0.004267422	0.006376321	1.49	0.195
255	1263BK24#2994	351	34.452	0.000119565	0.000260033	2.17	0.041
256	1263BK24#3026	329	34.745	0.000090088	0.000064201	0.71	0.365
257	1263BK24#3026	318	34.745	0.000376886	0.000140645	0.37	0.241
258	1263BK24#3069	338	35.147	0.000112381	0.000171127	1.52	0.430
259	1263BK24#3069	144	35.147	0.000221893	0.000418915	1.89	0.051
260	1263BK24#3137	174	35.772	0.000324847	0.000373773	1.15	0.639
261	1263BK24#3155	174	35.937	0.000165521	0.000420331	2.54	0.161
262	1263BK24#3155	398	35.937	0.000031340	0.000041125	1.31	0.328
263	1263BK24#3171	174	36.084	0.000127605	0.000405182	3.18	0.034
264	1263BK24#3472	204	38.850	0.008843429	0.009342550	1.06	0.885
265	1263BK24#4315	174	46.628	0.000126959	0.000188563	1.49	0.616
266	1263BK24#4440	174	47.803	0.000137256	0.000094386	0.69	0.378
267	1263BK25#0632	86	13.044	0.053599729	0.008372649	0.16	0.088
268	1263BK25#2215	191	27.318	0.029940083	0.054620879	1.82	0.121
269	1263BK25#2215	204	27.318	0.167866122	0.490235846	2.92	0.273
270	1263BK25#3658	267	40.547	0.000122329	0.000114258	0.93	0.870
271	1263BK50#2309	299	28.231	0.003568540	0.002914938	0.82	0.369
272	1263BK50#2309	360	28.231	0.000558683	0.000407308	0.73	0.383
273	1263BK50#2309	494	28.231	0.000091023	0.000067531	0.74	0.228
274	1267BK12#0266	207	9.830	0.002413554	0.001634387	0.68	0.772
275	1267BK12#0266	295	9.830	0.033084292	0.084621868	2.56	0.123
276	1267BK12#0289#lactic	117	10.035	0.000331660	0.000353679	1.07	0.935
277	1267BK12#0289#lactic	219	10.035	0.006093545	0.005520391	0.91	0.136
278	1267BK12#0326	173	10.400	9.640947695	9.109659250	0.94	0.195
279	1267BK12#0362	217	10.685	0.180300036	0.169503501	0.94	0.592
280	1267BK12#0362	202	10.685	0.753366295	0.654058047	0.87	0.165
281	1267BK12#0403#alanine 2	116	11.052	0.030632098	0.065604505	2.14	0.129
282	1267BK12#0422#hydroxylamine	133	11.221	0.015929850	0.013946217	0.88	0.345
283	1267BK12#0422#hydroxylamine	249	11.221	0.642443234	0.626585075	0.98	0.819
284	1267BK12#0494#cy-siloxane 5	267	11.864	0.018509770	0.019944379	1.08	0.369
285	1267BK12#0503	219	11.945	0.198027870	0.101870188	0.51	0.005
286	1267BK12#0503	190	11.945	0.000163725	0.000066230	0.40	0.301
287	1267BK12#0516	235	12.061	0.020061356	0.008208655	0.41	0.394
288	1267BK12#0531	142	12.194	0.068693134	0.101293508	1.47	0.015
289	1267BK12#0531	174	12.194	0.000780483	0.000314210	0.40	0.072
290	1267BK12#0616#me-phosphoric 2	241	12.963	0.022795562	0.036696100	1.61	0.062
291	1267BK12#0666#dodecane	85	13.402	1.307719370	1.193333367	0.91	0.262
292	1267BK12#0688	233	13.600	0.000722487	0.000606200	0.84	0.475
293	1267BK12#0707#valine 2	144	13.770	0.164123528	0.231905656	1.41	0.005
294	1267BK12#0707#valine 2	218	13.770	0.026045805	0.036657810	1.41	0.007
295	1267BK12#0725	156	13.931	0.002191448	0.004068944	1.86	0.158
296	1267BK12#0737#siloxane 5	281	14.039	0.013865427	0.012315691	0.89	0.256
297	1267BK12#0784	248	14.459	0.023294965	0.018912362	0.81	0.204
298	1267BK12#0824#serine 2	116	14.818	1.101411051	1.885358423	1.71	0.005
299	1267BK12#0824#serine 2	132	14.818	1.150570230	2.070411061	1.80	0.001
300	1267BK12#0848	415	15.033	0.000391275	0.000218848	0.56	0.388
301	1267BK12#0848	261	15.033	0.000520154	0.000526608	1.01	0.990
302	1267BK12#0858#phosphoric 3	299	15.123	1.764855068	2.959829489	1.68	0.004
303	1267BK12#0858#phosphoric 3	314	15.123	0.310271050	0.865592650	2.79	0.000
304	1267BK12#0909#isoleucine 2	158	15.580	0.051347880	0.068453704	1.33	0.041
305	1267BK12#0909#isoleucine 2	218	15.580	0.008658956	0.011245493	1.30	0.025
306	1267BK12#0917#proline 2	216	15.643	0.000704614	0.000492063	0.70	0.309
307	1267BK12#0917#proline 2	142	15.643	0.016562411	0.015265404	0.92	0.638
308	1267BK12#0923#nicotinic	136	15.697	0.008255788	0.008352461	1.01	0.925

309	1267BK12#0923#nicotinic	180	15.697	0.013132678	0.012718395	0.97	0.749
310	1267BK12#0931#cy-siloxane 6	341	15.777	0.002073482	0.002149101	1.04	0.943
311	1267BK12#0945#maleic	245	15.903	0.005448292	0.003568649	0.66	0.002
312	1267BK12#0945#maleic	147	15.903	0.061916224	0.040782401	0.66	0.001
313	1267BK12#0970#d4-succinic	251	16.127	0.000097406	0.000101786	1.04	0.932
314	1267BK12#0970#d4-succinic	251	16.127	0.000092977	0.000107496	1.16	0.825
315	1267BK12#0970#succinic	147	16.127	0.124687951	0.077994276	0.63	0.007
316	1267BK12#0970#succinic	147	16.127	0.124630361	0.079557202	0.64	0.006
317	1267BK12#0970#succinic	247	16.127	0.012813899	0.007877377	0.61	0.012
318	1267BK12#0970#succinic	247	16.127	0.012811275	0.007877377	0.61	0.012
319	1267BK12#0970#succinic	247	16.127	0.012813899	0.007877377	0.61	0.012
320	1267BK12#0970#succinic	147	16.127	0.124687951	0.077994276	0.63	0.007
321	1267BK12#0998	261	16.379	0.000033803	0.000028575	0.85	0.592
322	1267BK12#0998	147	16.379	0.125735389	0.079557202	0.63	0.004
323	1267BK12#1009#glyceric	189	16.478	0.274345950	0.153998824	0.56	0.030
324	1267BK12#1009#glyceric	292	16.478	0.157952865	0.088301261	0.56	0.019
325	1267BK12#1059#fumaric	147	16.926	0.816157922	0.666586035	0.82	0.534
326	1267BK12#1059#fumaric	245	16.926	0.537653611	0.349675400	0.65	0.044
327	1267BK12#1067	188	16.998	0.149533270	0.128921893	0.86	0.715
328	1267BK12#1082#serine 3	218	17.133	0.339953866	0.674680471	1.98	0.003
329	1267BK12#1102	306	17.313	0.001331199	0.000942882	0.71	0.020
330	1267BK12#1102	233	17.313	0.001327808	0.001104479	0.83	0.189
331	1267BK12#1114	247	17.421	0.003833960	0.003521360	0.92	0.419
332	1267BK12#1143#threonine 3	219	17.681	0.089312435	0.120343765	1.35	0.055
333	1267BK12#1143#threonine 3	291	17.681	0.031369286	0.042550494	1.36	0.040
334	1267BK12#1164	191	17.869	0.001005273	0.000732921	0.73	0.152
335	1267BK12#1175	197	17.968	0.002747863	0.002379917	0.87	0.623
336	1267BK12#1195	174	18.149	0.013309707	0.027554710	2.07	0.000
337	1267BK12#1220	174	18.373	0.025647302	0.053233419	2.08	0.000
338	1267BK12#1237	160	18.526	0.257458196	0.175130122	0.68	0.040
339	1267BK12#1247	247	18.616	0.011767841	0.010618795	0.90	0.307
340	1267BK12#1270	172	18.832	0.000256109	0.000489980	1.91	0.065
341	1267BK12#1278	174	18.895	0.001949168	0.004452156	2.28	0.000
342	1267BK12#1278	168	18.895	0.001104617	0.002001269	1.81	0.009
343	1267BK12#1298	350	19.025	0.004829396	0.006761127	1.40	0.026
344	1267BK12#1303	174	19.120	0.035969438	0.058861413	1.64	0.006
345	1267BK12#1309	174	19.174	0.035969438	0.058861413	1.64	0.006
346	1267BK12#1334	281	19.454	0.013604208	0.010349855	0.76	0.060
347	1267BK12#1345	173	19.498	0.011170355	0.009072486	0.81	0.039
348	1267BK12#1345	103	19.498	0.025162303	0.021730651	0.86	0.077
349	1267BK12#1369	234	19.715	0.014875112	0.006780871	0.46	0.002
350	1267BK12#1390#malic	233	19.916	0.397139696	0.252368109	0.64	0.004
351	1267BK12#1390#malic	335	19.916	0.063054134	0.039640810	0.63	0.019
352	1267BK12#1406#pentadecane	85	20.057	1.988735697	1.968416578	0.99	0.880
353	1267BK12#1410	217	20.105	0.012129227	0.023409743	1.93	0.156
354	1267BK12#1410	293	20.105	0.001791732	0.001283775	0.72	0.143
355	1267BK12#1428	111	20.239	0.006084021	0.006537421	1.07	0.692
356	1267BK12#1428	275	20.239	0.001144623	0.000983429	0.86	0.431
357	1267BK12#1438	237	20.347	0.009131464	0.007942037	0.87	0.271
358	1267BK12#1457#aspartic 3	218	20.518	0.138413278	0.123743940	0.89	0.378
359	1267BK12#1457#aspartic 3	232	20.518	0.744992781	0.706949482	0.95	0.641
360	1267BK12#1457#aspartic 3	306	20.518	0.017733661	0.015653064	0.88	0.319
361	1267BK12#1457#pyroglutamic	156	20.518	4.386359762	4.106286075	0.94	0.884
362	1267BK12#1457#pyroglutamic	258	20.518	0.615864658	2.114101103	3.43	0.003
363	1267BK12#1457#pyroglutamic	230	20.518	0.542078617	1.965317151	3.63	0.002
364	1267BK12#1485	84	20.771	0.228456024	0.262412957	1.15	0.532
365	1267BK12#1492	263	20.834	0.137186738	0.130214827	0.95	0.517
366	1267BK12#1507	292	20.970	0.184710012	0.153227675	0.83	0.075
367	1267BK12#1520	249	21.069	0.000663012	0.000370557	0.56	0.141
368	1267BK12#1547#threonic	292	21.331	0.063835355	0.053287978	0.83	0.167
369	1267BK12#1547#threonic	220	21.331	0.039235069	0.033037308	0.84	0.189
370	1267BK12#1547#threonic	205	21.331	0.035531659	0.030225070	0.85	0.196
371	1267BK12#1569	160	21.529	0.001327877	0.001137298	0.86	0.449



372	1267BK12#1587	205	21.701	0.014625457	0.005763956	0.39	0.001
373	1267BK12#1609	71	21.891	0.103471882	0.066656040	0.64	0.013
374	1267BK12#1609	250	21.891	0.000403291	0.000515784	1.28	0.222
375	1267BK12#1627	342	22.043	0.002055910	0.002072003	1.01	0.934
376	1267BK12#1631#asparagine 4	188	22.088	0.121158524	0.257111275	2.12	0.027
377	1267BK12#1631#asparagine 4	216	22.088	0.087104606	0.183328240	2.10	0.037
378	1267BK12#1631#asparagine 4	231	22.088	0.021393786	0.027831521	1.30	0.132
379	1267BK12#1674#glutamic 3	246	22.477	0.964118165	0.776206194	0.81	0.370
380	1267BK12#1674#glutamic 3	363	22.477	0.025969211	0.020724111	0.80	0.363
381	1267BK12#1680#phenylalanine 2	192	22.532	0.038842146	0.039346181	1.01	0.879
382	1267BK12#1680#phenylalanine 2	266	22.532	0.003070598	0.003139230	1.02	0.798
383	1267BK12#1733	245	23.010	0.006892670	0.005563849	0.81	0.094
384	1267BK12#1751#xylose MX2	307	23.173	0.027667535	0.024082354	0.87	0.390
385	1267BK12#1751#xylose MX2	217	23.173	0.051884846	0.046722848	0.90	0.499
386	1267BK12#1765#arabinose MX2	307	23.299	0.010561844	0.007054056	0.67	0.353
387	1267BK12#1765#arabinose MX2	160	23.299	0.008206212	0.004824354	0.59	0.486
388	1267BK12#1779#asparagine 3	116	23.426	0.278226591	1.016216190	3.65	0.049
389	1267BK12#1779#asparagine 3	188	23.426	0.095444517	0.358912050	3.76	0.061
390	1267BK12#1794#ribose MX	307	23.570	0.014826097	0.015572721	1.05	0.861
391	1267BK12#1794#ribose MX	160	23.570	0.005376381	0.005424971	1.01	0.971
392	1267BK12#1809	307	23.706	0.011888446	0.015572721	1.31	0.420
393	1267BK12#1824	295	23.832	0.002210600	0.001447844	0.65	0.481
394	1267BK12#1824	202	23.824	0.003599838	0.003564429	0.99	0.937
395	1267BK12#1827	307	23.860	0.002582450	0.002502534	0.97	0.919
396	1267BK12#1837	290	23.914	0.001155150	0.001618852	1.40	0.028
397	1267BK12#1846	133	24.032	0.097652304	0.081048308	0.83	0.274
398	1267BK12#1849	202	24.059	0.005744004	0.041958124	7.30	0.090
399	1267BK12#1859	242	24.149	0.000884070	0.000370937	0.42	0.092
400	1267BK12#1859	334	24.149	0.000982049	0.000902364	0.92	0.232
401	1267BK12#1870#rhamnose MX1	117	24.249	0.020759799	0.017717766	0.85	0.173
402	1267BK12#1870#rhamnose MX1	160	24.249	0.003422682	0.009011849	2.63	0.194
403	1267BK12#1877	307	24.313	0.693848399	0.656401927	0.95	0.018
404	1267BK12#1885#ribitol	422	24.385	0.041068029	0.039572729	0.96	0.238
405	1267BK12#1885#ribitol	319	24.385	0.999669380	0.987926517	0.99	0.240
406	1267BK12#1885#ribitol TMS	319	24.395	1.000000000	1.000000000	1.00	#DIV/0!
407	1267BK12#1885#ribitol TMS	319	24.395	0.999669380	0.987926517	0.99	0.240
408	1267BK12#1885#ribitol TMS	307	24.395	0.693838015	0.656394301	0.95	0.018
409	1267BK12#1885#ribitol TMS	307	24.395	0.693848399	0.656401927	0.95	0.018
410	1267BK12#1885#ribitol TMS	422	24.395	0.041068029	0.039572729	0.96	0.238
411	1267BK12#1885#ribitol TMS	422	24.395	0.041068029	0.039572729	0.96	0.238
412	1267BK12#1896#putrescine 4	174	24.487	0.808283427	3.965392772	4.91	0.008
413	1267BK12#1903	416	24.559	0.005226113	0.004843891	0.93	0.945
414	1267BK12#1908	133	24.595	0.072382115	0.063314901	0.87	0.145
415	1267BK12#1916	205	24.676	0.023710120	0.007725357	0.33	0.000
416	1267BK12#1918	392	24.685	0.005379486	0.003897258	0.72	0.014
417	1267BK12#1918	392	24.685	0.007893336	0.005086337	0.64	0.007
418	1267BK12#1925	292	24.749	0.025551507	0.018458671	0.72	0.009
419	1267BK12#1925	465	24.749	0.000027850	0.000025330	0.91	0.720
420	1267BK12#1940	292	24.884	0.025551507	0.018458671	0.72	0.009
421	1267BK12#1940	333	24.884	0.021710786	0.015349798	0.71	0.014
422	1267BK12#1946	133	24.948	0.105523485	0.074510847	0.71	0.525
423	1267BK12#1953	346	25.012	0.000338142	0.000498375	1.47	0.197
424	1267BK12#1953	133	25.012	0.163739861	0.139594456	0.85	0.059
425	1267BK12#1961	422	25.079	0.013399813	0.011658871	0.87	0.103
426	1267BK12#1961	116	25.079	0.050053143	0.051036957	1.02	0.832
427	1267BK12#1967	276	25.124	0.016258282	0.014091040	0.87	0.178
428	1267BK12#1967	392	25.124	0.076938264	0.060803649	0.79	0.021
429	1267BK12#1967	302	25.124	0.022619456	0.020112696	0.89	0.582
430	1267BK12#1970	319	25.166	0.008698323	0.014046121	1.61	0.017
431	1267BK12#1970	275	25.166	0.000263652	0.000834383	3.16	0.162
432	1267BK12#1970	392	25.166	0.076938264	0.060803395	0.79	0.021
433	1267BK12#1997	392	25.401	0.004825615	0.003012531	0.62	0.024
434	1267BK12#2001	436	25.437	0.000410328	0.001464058	3.57	0.000

435	1267BK12#2008	292	25.501	0.019062099	0.000209375	0.01	0.393
436	1267BK12#2019	312	25.595	0.001992850	0.002545263	1.28	0.042
437	1267BK12#2025	392	25.655	0.025766334	0.020159841	0.78	0.003
438	1267BK12#2025	249	25.655	0.000474654	0.000354418	0.75	0.495
439	1267BK12#2030	392	25.709	0.025768922	0.020159841	0.78	0.003
440	1267BK12#2030	317	25.709	0.001977098	0.002125565	1.08	0.770
441	1267BK12#2038	292	25.782	0.004664402	0.005232512	1.12	0.308
442	1267BK12#2038	333	25.782	0.005548419	0.005421517	0.98	0.800
443	1267BK12#2053	244	25.909	0.005187874	0.004637665	0.89	0.880
444	1267BK12#2062#shikimic	204	25.990	0.100018110	0.129989884	1.30	0.556
445	1267BK12#2062#shikimic	462	25.990	0.000839044	0.000349959	0.42	0.014
446	1267BK12#2062#shikimic	372	25.990	0.001242585	0.001183868	0.95	0.919
447	1267BK12#2074#citric	375	26.100	0.083253082	0.083080432	1.00	0.983
448	1267BK12#2074#citric	273	26.100	0.466466307	0.463399935	0.99	0.947
449	1267BK12#2081#isocitric	319	26.172	0.014050117	0.006534589	0.47	0.090
450	1267BK12#2087	304	26.208	0.006309043	0.004094397	0.65	0.074
451	1267BK12#2114	316	26.461	0.001202855	0.024762793	20.59	0.000
452	1267BK12#2114	206	26.461	0.004247605	0.002764683	0.65	0.206
453	1267BK12#2124#dehydroascorbic	316	26.552	0.028984012	0.024762793	0.85	0.214
454	1267BK12#2124#dehydroascorbic	173	26.552	0.078066624	0.066737144	0.85	0.196
455	1267BK12#2124#dehydroascorbic	157	26.552	0.063561794	0.054093446	0.85	0.103
456	1267BK12#2145#quinic	255	26.743	0.000793589	0.000501535	0.63	0.236
457	1267BK12#2145#quinic	345	26.743	0.000927997	0.000281886	0.30	0.025
458	1267BK12#2151	260	26.798	0.003202875	0.003097728	0.97	0.931
459	1267BK12#2162	149	26.924	0.115378031	0.112164178	0.97	0.830
460	1267BK12#2171#fru MX1	307	26.980	6.778265539	7.638221419	1.13	0.267
461	1267BK12#2171#fru MX1	569	26.980	0.044524730	0.068293244	1.53	0.316
462	1267BK12#2177	389	27.026	0.002309108	0.003857261	1.67	0.329
463	1267BK12#2177	157	27.026	0.230564409	0.330860518	1.44	0.473
464	1267BK12#2181	307	27.082	6.428139846	7.279214144	1.13	0.412
465	1267BK12#2181	245	27.082	0.030874686	0.046637840	1.51	0.411
466	1267BK12#2190#fru MX2	307	27.154	5.401392799	7.273958033	1.35	0.105
467	1267BK12#2190#fru MX2	569	27.154	0.053513328	0.068242804	1.28	0.280
468	1267BK12#2196#man MX	160	27.208	0.046172645	0.107981381	2.34	0.119
469	1267BK12#2196#man MX	319	27.208	0.032340905	0.316083438	9.77	0.000
470	1267BK12#2216#glc MX1	160	27.390	4.505734735	0.796283612	0.18	0.005
471	1267BK12#2216#glc MX1	466	27.390	0.063413623	0.063599130	1.00	0.992
472	1267BK12#2220#nonadecane	85	27.429	2.923257721	2.525537852	0.86	0.181
473	1267BK12#2237#tyramine	174	27.591	0.017575082	0.079081688	4.50	0.209
474	1267BK12#2237#tyramine	338	27.591	0.001087221	0.000613612	0.56	0.008
475	1267BK12#2248#glc MX2	160	27.691	1.389066194	2.263349836	1.63	0.005
476	1267BK12#2248#glc MX2	319	27.691	2.239974634	3.138211693	1.40	0.015
477	1267BK12#2259	242	27.791	0.002888010	0.002548260	0.88	0.518
478	1267BK12#2259	389	27.791	0.001098228	0.000681950	0.62	0.083
479	1267BK12#2265	244	27.846	0.004955767	0.004039884	0.82	0.342
480	1267BK12#2270	362	27.891	0.002754202	0.000899197	0.33	0.081
481	1267BK12#2285	229	28.027	0.001755980	0.004588220	2.61	0.005
482	1267BK12#2285	330	28.027	0.000782007	0.000785320	1.00	0.980
483	1267BK12#2290#tyrosine	354	28.073	0.002511463	0.003450350	1.37	0.086
484	1267BK12#2298	404	28.137	0.005148478	0.006142876	1.19	0.475
485	1267BK12#2298	244	28.137	0.026636819	0.029286965	1.10	0.316
486	1267BK12#2309#L-ascorbic	332	28.246	0.002182051	0.001895952	0.87	0.012
487	1267BK12#2309#L-ascorbic	449	28.246	0.004873765	0.015315364	3.14	0.235
488	1267BK12#2309#L-ascorbic	464	28.246	0.000604113	0.001923711	3.18	0.014
489	1267BK12#2320#D-isoascorbic	332	28.348	0.000995864	0.001566521	1.57	0.104
490	1267BK12#2320#D-isoascorbic	332	28.348	0.000995864	0.003303506	3.32	0.238
491	1267BK12#2320#D-isoascorbic	449	28.348	0.002061918	0.020300755	9.85	0.012
492	1267BK12#2320#D-isoascorbic	449	28.348	0.002061918	0.020300755	9.85	0.012
493	1267BK12#2320#D-isoascorbic	464	28.348	0.001414874	0.000624171	0.44	0.277
494	1267BK12#2320#D-isoascorbic	464	28.348	0.001414874	0.000624171	0.44	0.277
495	1267BK12#2320#D-isoascorbic	332	28.348	0.000995864	0.001566521	1.57	0.104
496	1267BK12#2320#D-isoascorbic	464	28.348	0.001414874	0.000624171	0.44	0.277
497	1267BK12#2325	299	28.396	0.016355291	0.012825961	0.78	0.029

498	1267BK12#2336	420	28.496	0.001346906	0.000350183	0.26	0.011
499	1267BK12#2336	330	28.496	0.000466332	0.000219634	0.47	0.106
500	1267BK12#2341	420	28.550	0.000843112	0.000254097	0.30	0.221
501	1267BK12#2354	394	28.668	0.000086486	0.000082806	0.96	0.892
502	1267BK12#2364#c-caffeic	219	28.750	0.001362188	0.000890708	0.65	0.383
503	1267BK12#2364#c-caffeic	396	28.750	0.000079787	0.000088436	1.11	0.720
504	1267BK12#2364#c-caffeic	381	28.750	0.000081763	0.000060993	0.75	0.574
505	1267BK12#2370	204	28.806	0.043941994	0.099712166	2.27	0.182
506	1267BK12#2384	332	28.942	0.001669923	0.002083628	1.25	0.276
507	1267BK12#2384	190	28.942	0.002019950	0.001638143	0.81	0.694
508	1267BK12#2396	447	29.051	0.019450640	0.022920443	1.18	0.246
509	1267BK12#2401	190	29.079	0.000960332	0.002278321	2.37	0.336
510	1267BK12#2401	230	29.079	0.001237587	0.000406809	0.33	0.342
511	1267BK12#2412	206	29.188	0.007004333	0.005514168	0.79	0.092
512	1267BK12#2412	116	29.188	0.005542126	0.004362460	0.79	0.082
513	1267BK12#2436	174	29.406	0.031155926	0.039774329	1.28	0.177
514	1267BK12#2455	319	29.578	0.147138772	0.288551785	1.96	0.001
515	1267BK12#2463	373	29.652	0.000999834	0.000837343	0.84	0.611
516	1267BK12#2476#16:0	313	29.770	0.051969139	0.046559115	0.90	0.446
517	1267BK12#2483	360	29.833	0.000742187	0.000591395	0.80	0.059
518	1267BK12#2512	484	30.097	0.000105940	0.000087117	0.82	0.571
519	1267BK12#2527#dopamine	174	30.234	0.001124286	0.001768589	1.57	0.478
520	1267BK12#2527#dopamine	426	30.234	0.000035078	0.000030615	0.87	0.691
521	1267BK12#2537	288	30.326	0.000455688	0.000670753	1.47	0.351
522	1267BK12#2548#myo-ino	507	30.426	0.022944286	0.029509436	1.29	0.064
523	1267BK12#2548#myo-ino	305	30.426	0.725367003	0.932267889	1.29	0.042
524	1267BK12#2559	262	30.527	0.000523698	0.001298698	2.48	0.009
525	1267BK12#2559	205	30.527	0.031094907	0.136633382	4.39	0.020
526	1267BK12#2560#t-ferulic	338	30.536	0.001056899	0.000899810	0.85	0.298
527	1267BK12#2560#t-ferulic	249	30.536	0.000654573	0.000584143	0.89	0.523
528	1267BK12#2560#t-ferulic	323	30.536	0.000680925	0.000674438	0.99	0.962
529	1267BK12#2584	373	30.756	0.003813704	0.009813715	2.57	0.077
530	1267BK12#2589	319	30.784	0.041991679	0.022982471	0.55	0.026
531	1267BK12#2609	319	30.975	0.014898755	0.015236490	1.02	0.879
532	1267BK12#2620	352	31.102	0.000197833	0.000385813	1.95	0.279
533	1267BK12#2633#t-caffeic	396	31.194	0.000380717	0.000339118	0.89	0.574
534	1267BK12#2633#t-caffeic	219	31.194	0.001321650	0.001355623	1.03	0.898
535	1267BK12#2633#t-caffeic	381	31.194	0.000156299	0.000094892	0.61	0.046
536	1267BK12#2639	319	31.258	0.015038233	0.014826680	0.99	0.974
537	1267BK12#2660#noradrenalin 5	174	31.449	0.001702538	0.004093468	2.40	0.000
538	1267BK12#2685	364	31.686	0.000578679	0.000575919	1.00	0.964
539	1267BK12#2685	230	31.686	0.000673179	0.000749898	1.11	0.541
540	1267BK12#2715	249	31.950	0.010493294	0.013065322	1.25	0.107
541	1267BK12#2715	204	31.950	0.070329423	0.132684294	1.89	0.078
542	1267BK12#2723	218	32.024	0.005140510	0.006577298	1.28	0.028
543	1267BK12#2723	235	32.024	0.002659055	0.004465538	1.68	0.002
544	1267BK12#2734#docosane	85	32.126	2.690849044	2.461724104	0.91	0.102
545	1267BK12#2738	357	32.166	0.000055882	0.001323530	23.68	0.072
546	1267BK12#2738	445	32.166	0.000057777	0.000471525	8.16	0.101
547	1267BK12#2742#tryptophan 2	202	32.204	0.010137902	0.012067047	1.19	0.787
548	1267BK12#2742#tryptophan 2	391	32.204	0.000218717	0.000574219	2.63	0.003
549	1267BK12#2742#tryptophan 2	278	32.204	0.000355796	0.000816400	2.29	0.002
550	1267BK12#2758#tryptophan 3	202	32.350	0.018733394	0.132339001	7.06	0.001
551	1267BK12#2758#tryptophan 3	291	32.350	0.002086166	0.013559322	6.50	0.001
552	1267BK12#2758#tryptophan 3	200	32.350	0.000655851	0.004016500	6.12	0.001
553	1267BK12#2801#18:0	341	32.742	0.049522626	0.045648259	0.92	0.409
554	1267BK12#2809#t-sinapic	368	32.815	0.063420764	0.050137390	0.79	0.187
555	1267BK12#2809#t-sinapic	338	32.815	0.065316119	0.049943476	0.76	0.130
556	1267BK12#2809#t-sinapic	353	32.815	0.033829678	0.026029828	0.77	0.142
557	1267BK12#2822	159	32.933	0.012936921	0.010769368	0.83	0.093
558	1267BK12#2822	286	32.933	0.001817085	0.001820156	1.00	0.995
559	1267BK12#2859	290	33.272	0.014942409	0.016545360	1.11	0.524
560	1267BK12#2859	319	33.272	0.006493754	0.008040588	1.24	0.227

561	1267BK12#2881	263	33.472	0.000540111	0.000396876	0.73	0.288
562	1267BK12#2881	259	33.472	0.000121815	0.000122683	1.01	0.983
563	1267BK12#2907	328	33.719	0.005558722	0.006803737	1.22	0.713
564	1267BK12#2908#fru-6-P MX	315	33.718	0.002286477	0.004298989	1.88	0.199
565	1267BK12#2908#fru-6-P MX	260	33.718	0.000257574	0.000413905	1.61	0.321
566	1267BK12#2921	173	33.820	0.001082483	0.000719521	0.66	0.106
567	1267BK12#2926#glc-6-P MX1	387	33.892	0.006143945	0.012546310	2.04	0.222
568	1267BK12#2944	277	34.057	0.000095341	0.000108457	1.14	0.753
569	1267BK12#2944	204	34.057	0.003347786	0.003792424	1.13	0.444
570	1267BK12#2953#glc-6-P MX2	387	34.131	0.001204030	0.002373340	1.97	0.274
571	1267BK12#2958	417	34.177	0.000809304	0.000678259	0.84	0.573
572	1267BK12#2958	489	34.177	0.000306315	0.000268822	0.88	0.744
573	1267BK12#2975	331	34.332	0.003616481	0.002836912	0.78	0.520
574	1267BK12#2975	204	34.332	0.002454692	0.001659179	0.68	0.018
575	1267BK12#2975	172	34.332	0.000899345	0.000916453	1.02	0.954
576	1267BK12#2980	331	34.379	0.004477151	0.004113934	0.92	0.568
577	1267BK12#2980	262	34.379	0.002299969	0.002111644	0.92	0.488
578	1267BK12#2980	421	34.379	0.001946559	0.001553474	0.80	0.286
579	1267BK12#3007	351	34.626	0.000400324	0.000339121	0.85	0.093
580	1267BK12#3007	204	34.626	0.062289847	0.015673312	0.25	0.003
581	1267BK12#3014	292	34.690	0.020723810	0.005680402	0.27	0.006
582	1267BK12#3014	204	34.690	0.063705687	0.018996875	0.30	0.003
583	1267BK12#3034	91	34.872	0.003105449	0.003168303	1.02	0.872
584	1267BK12#3034	204	34.872	0.006051694	0.005135472	0.85	0.207
585	1267BK12#3058	356	35.138	0.001492802	0.001869282	1.25	0.670
586	1267BK12#3058	262	35.138	0.000977562	0.001239144	1.27	0.642
587	1267BK12#3061#myo-ino-2-P 1	318	35.131	0.002656006	0.003477650	1.31	0.193
588	1267BK12#3081	159	35.302	0.000190549	0.000677707	3.56	0.001
589	1267BK12#3097	245	35.458	0.000752728	0.000595858	0.79	0.323
590	1267BK12#3097	360	35.458	0.000526379	0.000496320	0.94	0.743
591	1267BK12#3118	430	35.642	0.000825394	0.001033762	1.25	0.505
592	1267BK12#3118	360	35.642	0.000793086	0.000929233	1.17	0.630
593	1267BK12#3179	204	36.200	0.010421940	0.013397770	1.29	0.080
594	1267BK12#3179	247	36.200	0.000145156	0.000106296	0.73	0.147
595	1267BK12#3189	105	36.292	0.000722057	0.000725648	1.00	0.988
596	1267BK12#3189	356	36.292	0.000860245	0.001375750	1.60	0.429
597	1267BK12#3189	223	36.292	0.000368303	0.000194303	0.53	0.004
598	1267BK12#3203	321	36.419	0.026037146	0.021886079	0.84	0.288
599	1267BK12#3203	204	36.419	0.155087661	0.129315044	0.83	0.219
600	1267BK12#3203	361	36.419	0.010113815	0.008964837	0.89	0.422
601	1267BK12#3258	219	36.923	0.012647965	0.005248926	0.42	0.004
602	1267BK12#3278	290	37.107	0.000089254	0.000152023	1.70	0.183
603	1267BK12#3283	304	37.144	0.000058170	0.000066414	1.14	0.583
604	1267BK12#3283	175	37.144	0.000158291	0.000306702	1.94	0.274
605	1267BK12#3302	361	37.336	0.011726851	0.017433675	1.49	0.035
606	1267BK12#3302	267	37.336	0.000096234	0.000154030	1.60	0.433
607	1267BK12#3317	254	37.465	0.000257324	0.000255297	0.99	0.984
608	1267BK12#3323	535	37.520	0.000170102	0.000148503	0.87	0.700
609	1267BK12#3382#sucrose	437	38.090	0.456357170	0.378730647	0.83	0.337
610	1267BK12#3386#sucrose	451	38.099	0.183299547	0.153244198	0.84	0.330
611	1267BK12#3391	423	38.169	0.005083022	0.002818263	0.55	0.028
612	1267BK12#3431	204	38.510	0.014661941	0.020382769	1.39	0.023
613	1267BK12#3467	450	38.859	0.000133800	0.000108566	0.81	0.664
614	1267BK12#3487	204	39.034	0.016849350	0.016798944	1.00	0.978
615	1267BK12#3515#maltose MX1	204	39.300	0.022843298	0.010594293	0.46	0.004
616	1267BK12#3515#maltose MX1	160	39.300	0.002257838	0.001531491	0.68	0.043
617	1267BK12#3522#trehalose	191	39.356	0.008903514	0.006951899	0.78	0.158
618	1267BK12#3559	193	39.695	0.001533087	0.001385782	0.90	0.450
619	1267BK12#3586	105	39.944	0.095306894	0.086189695	0.90	0.067
620	1267BK12#3586	179	39.944	0.136676866	0.123594652	0.90	0.340
621	1267BK12#3594#octacosane	85	40.018	2.344359835	2.103481987	0.90	0.111
622	1267BK12#3622	277	40.279	0.000043003	0.000124849	2.90	0.069
623	1267BK12#3633	450	40.380	0.000153846	0.000149832	0.97	0.924

624	1267BK12#3668	345	40.730	0.000085596	0.000068356	0.80	0.461
625	1267BK12#3668	175	40.730	0.000166329	0.000131318	0.79	0.269
626	1267BK12#3674	312	40.766	0.000095423	0.000084132	0.88	0.830
627	1267BK12#3674	219	40.766	0.000686752	0.000444387	0.65	0.110
628	1267BK12#3721	280	41.199	0.000111410	0.000085188	0.76	0.401
629	1267BK12#3768	191	41.631	0.001652963	0.000533565	0.32	0.004
630	1267BK12#3768	204	41.631	0.001939222	0.001312338	0.68	0.142
631	1267BK12#3775	289	41.688	0.000120655	0.000051001	0.42	0.116
632	1267BK12#3802	345	41.945	0.000079236	0.000250125	3.16	0.049
633	1267BK12#3802	249	41.945	0.000101494	0.000108281	1.07	0.845
634	1267BK12#3821	249	42.130	0.000106184	0.000082334	0.78	0.533
635	1267BK12#3827	204	42.167	0.017074541	0.056024852	3.28	0.000
636	1267BK12#3827	191	42.167	0.004040822	0.014070941	3.48	0.000
637	1267BK12#3827	433	42.167	0.000794258	0.002479515	3.12	0.000
638	1267BK12#3841#3-c-caffeoquinic	345	42.296	0.000190521	0.000469341	2.46	0.002
639	1267BK12#3841#3-c-caffeoquinic	255	42.296	0.000134803	0.000177409	1.32	0.547
640	1267BK12#3856	204	42.434	0.249915397	0.167629045	0.67	0.031
641	1267BK12#3856	433	42.434	0.006470972	0.004416367	0.68	0.054
642	1267BK12#3856	191	42.434	0.045542173	0.030556949	0.67	0.038
643	1267BK12#3858#5-c-caffeoquinic	345	42.462	0.001230949	0.000822708	0.67	0.015
644	1267BK12#3858#5-c-caffeoquinic	447	42.453	0.000021198	0.000013419	0.63	0.127
645	1267BK12#3865#4-c-caffeoquinic	307	42.517	0.001279968	0.000915470	0.72	0.029
646	1267BK12#3865#4-c-caffeoquinic	489	42.517	0.000029018	0.000037988	1.31	0.423
647	1267BK12#3930	396	43.127	0.000023879	0.000080800	3.38	0.047
648	1267BK12#3930	219	43.127	0.001523097	0.003082475	2.02	0.039
649	1267BK12#3954	396	43.339	0.000029558	0.000028914	0.98	0.947
650	1267BK12#3954	219	43.339	0.001159160	0.001239031	1.07	0.909
651	1267BK12#3963	345	43.431	0.000111807	0.000087244	0.78	0.475
652	1267BK12#3963	396	43.431	0.000032074	0.000034503	1.08	0.775
653	1267BK12#3987#3-t-caffeoquinic	345	43.644	0.000152172	0.000057448	0.38	0.435
654	1267BK12#3987#3-t-caffeoquinic	255	43.644	0.000312890	0.000081232	0.26	0.381
655	1267BK12#3996	204	43.730	0.108477760	0.139579631	1.29	0.185
656	1267BK12#3996	363	43.730	0.005862383	0.001776422	0.30	0.042
657	1267BK12#4004	597	43.806	0.004762488	0.007003152	1.47	0.087
658	1267BK12#4045	249	44.176	0.000288153	0.000074246	0.26	0.005
659	1267BK12#4045	255	44.176	0.000239178	0.000097354	0.41	0.041
660	1267BK12#4062#4-t-caffeoquinic	307	44.343	0.000069098	0.000086175	1.25	0.634
661	1267BK12#4062#4-t-caffeoquinic	489	44.343	0.000032042	0.000042471	1.33	0.346
662	1267BK12#4075#dotriacontane	85	44.468	2.226958506	1.973082330	0.89	0.074
663	1267BK12#4085#5-t-caffeoquinic	307	44.565	0.000099757	0.000076550	0.77	0.398
664	1267BK12#4085#5-t-caffeoquinic	447	44.565	0.000027256	0.000018080	0.66	0.205
665	1267BK12#4096	204	44.658	0.001544768	0.000384858	0.25	0.015
666	1267BK12#4096	345	44.658	0.000056829	0.000057351	1.01	0.969
667	1267BK12#4175	279	45.399	0.000554233	0.000309512	0.56	0.124
668	1267BK12#4175	255	45.399	0.000112603	0.000101026	0.90	0.774
669	1267BK12#4278	361	46.352	0.036009951	0.102845530	2.86	0.004
670	1267BK12#4278	450	46.352	0.000193110	0.000554238	2.87	0.123
671	1267BK12#4278	319	46.352	0.002127519	0.004620917	2.17	0.119
672	1267BK12#4302	441	46.585	0.020822253	0.042053982	2.02	0.036
673	1267BK12#4500#hexatriacontane	85	48.418	1.938030962	1.731516775	0.89	0.154
674	1267BK14#3416	204	38.418	0.021139283	0.023021116	1.09	0.546
675	1267BK14#3416	217	38.418	0.006968434	0.007882665	1.13	0.207
676	1267BK14#3416	451	38.418	0.000161349	0.000149062	0.92	0.680
677	1267BK14#3416	361	38.418	0.003428110	0.003144032	0.92	0.614
678	1267BK38#3430	204	38.538	0.014661941	0.020382769	1.39	0.023
679	1267BK38#3430	361	38.538	0.001695065	0.001471884	0.87	0.534
680	1267BK38#3430	423	38.538	0.000759361	0.000691792	0.91	0.509
681	1267BK38#3466	361	38.873	0.020629111	0.006327314	0.31	0.047
682	1267BK38#3466	423	38.873	0.000028980	0.000051514	1.78	0.144
683	1267BK38#3466	217	38.873	0.039941698	0.016789436	0.42	0.039
684	1267BK38#4348	259	47.146	0.000037618	0.000067469	1.79	0.073
685	1267BK38#4348	217	47.146	0.000205610	0.000151017	0.73	0.255
686	1267BK38#4348	349	47.146	0.000024929	0.000028747	1.15	0.745



687	1267BK38#4360	361	47.254	0.000075201	0.000083100	1.11	0.799
688	1267BK38#4360	204	47.254	0.000193829	0.000146071	0.75	0.496
689	1267BK38#4360	271	47.254	0.000103009	0.000087683	0.85	0.607
690	1283BV06#2056#glyceric-3-P	357	25.932	0.001083733	0.002189887	2.02	0.201
691	1286BU03#0764#norvaline 2	144	14.409	0.000927413	0.000362377	0.39	0.067
692	1286BU03#0764#norvaline 2	218	14.409	0.000194866	0.000172364	0.88	0.902
693	1286BU04#2069#isocitric	245	26.178	0.003628407	0.005338471	1.47	0.255
694	1286BU04#2069#isocitric	375	26.178	0.083270338	0.083096491	1.00	0.983
695	1286BU07#2401#saccharic	292	29.206	0.003776448	0.005226299	1.38	0.009
696	1286BU08#2094	160	26.428	0.015412034	0.018494347	1.20	0.169
697	1286BU08#2094	334	26.428	0.000290453	0.000500995	1.72	0.151
698	1286BU08#2094	189	26.428	0.001995775	0.001410709	0.71	0.641
699	1286BU08#2283#galacturonic MX1	160	28.162	0.002655846	0.005771424	2.17	0.004
700	1286BU08#2314#galacturonic MX2	160	28.449	0.002635603	0.003920697	1.49	0.391
701	1286BU10#2380#gluconic	333	29.046	0.024992332	0.026141635	1.05	0.930
702	1286BU10#2380#gluconic	292	29.046	0.026884992	0.034764807	1.29	0.335
703	1286BU10#2380#gluconic	423	29.046	0.003157393	0.003278107	1.04	0.956
704	1286BU10#2380#gluconic	433	29.046	0.002779286	0.003419337	1.23	0.488
705	1286BU13#1452#g-aminobutyric 3	174	20.640	0.394263531	0.710729747	1.80	0.006
706	1286BU13#1452#g-aminobutyric 3	304	20.640	0.076048022	0.139482066	1.83	0.006
707	1310BK02#3728#d-tocopherol	474+475	41.175	0.000052792	0.000035599	0.67	0.267
708	1310BK02#3728#d-tocopherol	208	41.175	0.000186990	0.000190208	1.02	0.905
709	1310BK02#3834#b-tocopherol	488+489	42.144	0.000050027	0.000038268	0.76	0.528
710	1310BK02#3834#b-tocopherol	223	42.144	0.000078212	0.000091381	1.17	0.497
711	1310BK02#3848#g-tocopherol	488+489	42.273	0.000047232	0.000038268	0.81	0.555
712	1310BK02#3848#g-tocopherol	223	42.273	0.000119946	0.000071130	0.59	0.309
713	1310BK02#4014#a-tocopherol	502+503	43.815	0.000043641	0.000036403	0.83	0.564
714	1310BK02#4014#a-tocopherol	237	43.815	0.000053437	0.000067513	1.26	0.533
715	1310BK02#4065#a-tocopherolacet	430	44.291	0.000078270	0.000062154	0.79	0.460
716	1310BK02#4065#a-tocopherolacet	165	44.291	0.000189727	0.000088102	0.46	0.029
717	1323AU19#2803#myo-ino-1-P 1	299	35.149	0.001511498	0.001904838	1.26	0.312
718	1323AU19#2803#myo-ino-1-P 1	318	35.149	0.002672979	0.003477650	1.30	0.201
719	1323AU19#2803#myo-ino-1-P 1	387	35.149	0.000786227	0.001053890	1.34	0.282
720	1323AU19#2897#myo-ino-1-P 2	318	35.928	0.000123336	0.000178468	1.45	0.369
721	1323AU19#2897#myo-ino-1-P 2	387	35.928	0.000040539	0.000099348	2.45	0.030
722	1323AU19#2897#myo-ino-1-P 2	494	35.928	0.000020742	0.000023138	1.12	0.836
723	1323AU30#3400#isomaltose	361	40.963	0.000826632	0.004583665	5.54	0.001
724	1323AU30#3400#isomaltose	160	40.963	0.000764665	0.001730869	2.26	0.003
725	1323AU30#3400#isomaltose	480	40.963	0.000099379	0.000220844	2.22	0.016
726	1323AU39#2079#ononitol	265	28.275	0.000602146	0.000390218	0.65	0.014
727	1323AU39#2079#ononitol	318	28.275	0.002368315	0.002112657	0.89	0.524
728	1323AU39#2079#ononitol	507	28.275	0.000097099	0.000120000	1.24	0.706
729	1324BK14#2728#glc-6-P MX1	160	33.886	0.003242064	0.005920542	1.83	0.309
730	1324BK14#2752#glc-6-P MX2	299	34.122	0.001504212	0.002856144	1.90	0.337
731	1324BK14#2752#glc-6-P MX2	471	34.122	0.000101908	0.000277614	2.72	0.009
732	1324BK16#2662#fru-6-P MX	459	33.716	0.000232597	0.000454471	1.95	0.202
733	1324BK20#2928#gluconic-6-P	299	35.281	0.000436036	0.000564788	1.30	0.830
734	1324BK20#2928#gluconic-6-P	387	35.281	0.000257226	0.000079429	0.31	0.395
735	1324BK22#2721#man-6-P MX1	387	33.720	0.001759484	0.002106938	1.20	0.631
736	1324BK22#2721#man-6-P MX1	160	33.720	0.002696721	0.002166926	0.80	0.513
737	1324BK22#2739#man-6-P MX2	387	33.893	0.006143945	0.012546310	2.04	0.222
738	1324BK23#1767#glyceral-3-P MX1	384	24.156	0.000036747	0.000039597	1.08	0.847
739	1324BK23#1767#glyceral-3-P MX1	299	24.156	0.000202575	0.000333914	1.65	0.261
740	1324BK23#1792#glyceral-3-P MX2	328	24.394	0.000354186	0.000693751	1.96	0.349
741	1324BK23#1792#glyceral-3-P MX2	299	24.395	0.000098545	0.000276464	2.81	0.204
742	1324BK24#1877#glycerol-1-P	357	25.120	0.001718641	0.007328176	4.26	0.005
743	1324BK24#1877#glycerol-1-P	299	25.120	0.002180520	0.008965429	4.11	0.009
744	1324BK31#2823#myo-ino-2-P 1	387	35.131	0.000776936	0.001075467	1.38	0.247
745	1324BK31#2898#myo-ino-2-P 2	387	35.873	0.000046045	0.000092605	2.01	0.063
746	1324BK31#2898#myo-ino-2-P 2	318	35.873	0.000099886	0.000140998	1.41	0.550
747	1325BK16#0403#d4-alanine 2	120	11.028	0.004203700	0.012983767	3.09	0.126
748	1325BK16#0914#g-aminobutyric 2	102	15.830	0.003862382	0.010680069	2.77	0.096
749	1325BK16#0914#g-aminobutyric 2	232	15.830	0.006551407	0.000786756	0.12	0.003

750	1325BK16#1034	266	16.936	0.392518663	0.349434784	0.89	0.797
751	1325BK16#1034	192	16.936	2.294199254	2.045341588	0.89	0.710
752	1325BK16#1302	338	19.407	0.021210130	0.021824867	1.03	0.925
753	1325BK16#1302	236	19.407	0.210969371	0.213789643	1.01	0.967
754	1325BK16#1308	232	19.462	0.013387329	0.012219066	0.91	0.754
755	1325BK16#1403	283	20.347	0.004564665	0.004284849	0.94	0.629
756	1325BK16#1537	247	21.624	0.003870518	0.005987373	1.55	0.010
757	1325BK16#1537	349	21.624	0.000813863	0.001117896	1.37	0.006
758	1325BK16#1546	306	21.692	0.013269528	0.005004901	0.38	0.001
759	1325BK16#1552	142	21.757	0.022598729	0.023352583	1.03	0.878
760	1325BK16#1552	186	21.757	0.021831800	0.022481160	1.03	0.899
761	1325BK16#1589	273	22.099	0.012311294	0.019899905	1.62	0.002
762	1325BK16#1610	160	22.293	0.002080495	0.000930834	0.45	0.083
763	1325BK16#1749	159	23.595	0.000925836	0.002028459	2.19	0.024
764	1325BK16#1900	273	25.004	0.065180086	0.032548430	0.50	0.001
765	1325BK16#1946	174	25.435	0.001789102	0.003946899	2.21	0.050
766	1325BK16#1946	299	25.435	0.002247583	0.004397340	1.96	0.163
767	1325BK16#2257	203	28.362	0.004072425	0.012724551	3.12	0.001
768	1325BK16#2261	299	28.410	0.016355291	0.012825961	0.78	0.029
769	1325BK16#2261	204	28.410	0.008811747	0.011456275	1.30	0.546
770	1325BK16#2280	284	28.593	0.000099953	0.000098895	0.99	0.978
771	1325BK16#2280	244	28.593	0.000502694	0.000287590	0.57	0.108
772	1325BK16#2372	185	29.448	0.000354086	0.000346539	0.98	0.955
773	1325BK16#2500#uric 4	456	30.735	0.002418770	0.002542018	1.05	0.885
774	1325BK16#2500#uric 4	441	30.735	0.002906701	0.003171631	1.09	0.805
775	1325BK16#2538	319	31.100	0.014903012	0.015262368	1.02	0.872
776	1325BK16#2547	319	31.189	0.017640559	0.018837152	1.07	0.650
777	1325BK16#2620	199	31.914	0.000215040	0.000151902	0.71	0.256
778	1325BK16#2633	263	32.041	0.001139714	0.000113758	0.10	0.075
779	1325BK16#2721	179	32.913	0.000860283	0.001022724	1.19	0.065
780	1325BK16#2781	250	33.500	0.000647798	0.000870870	1.34	0.446
781	1325BK16#2785	246	33.539	0.000128766	0.000700161	5.44	0.396
782	1325BK16#2906	387	34.720	0.000072381	0.000042420	0.59	0.553
783	1325BK16#2906	299	34.720	0.000230456	0.000168876	0.73	0.474
784	1325BK16#2954	390	35.184	0.000088178	0.000195626	2.22	0.058
785	1325BK16#2978	348	35.419	0.000059854	0.000053557	0.89	0.560
786	1325BK16#3052	374	36.146	0.000050731	0.000061800	1.22	0.305
787	1325BK16#3060	374	36.226	0.000037747	0.000136775	3.62	0.299
788	1325BK16#3075	374	36.376	0.000059590	0.000103721	1.74	0.233
789	1325BK16#3075	260	36.376	0.000132421	0.000106969	0.81	0.461
790	1325BK16#3089	204	36.514	0.155087661	0.128867409	0.83	0.211
791	1325BK16#3089	421	36.514	0.000027735	0.000026601	0.96	0.902
792	1325BK16#3138	462	37.006	0.000026460	0.000017571	0.66	0.366
793	1325BK16#3138	204	37.006	0.015291701	0.007596522	0.50	0.004
794	1325BK16#3148	473	37.105	0.000027467	0.000021958	0.80	0.434
795	1325BK16#3171	271	37.336	0.002601677	0.003564906	1.37	0.046
796	1325BK16#3184	186	37.464	0.000231723	0.000174526	0.75	0.453
797	1325BK16#3191	204	37.533	0.000893642	0.001082532	1.21	0.127
798	1325BK16#3191	117	37.533	0.002218649	0.001733855	0.78	0.523
799	1325BK16#3281	423	38.416	0.000281150	0.000223727	0.80	0.042
800	1325BK16#3284	349	38.446	0.000070024	0.000027399	0.39	0.062
801	1325BK16#3284	259	38.446	0.000228266	0.000211756	0.93	0.662
802	1325BK16#3293	156	38.535	0.000164490	0.000235833	1.43	0.307
803	1325BK16#3293	317	38.535	0.000125549	0.000138160	1.10	0.690
804	1325BK16#3299	450	38.593	0.000435583	0.000417039	0.96	0.818
805	1325BK16#3299	284	38.593	0.001230190	0.001267857	1.03	0.864
806	1325BK16#3311	175	38.712	0.000132556	0.000133865	1.01	0.982
807	1325BK16#3387	466	39.459	0.000212547	0.000167631	0.79	0.179
808	1325BK16#3387	262	39.459	0.000942458	0.000604774	0.64	0.022
809	1325BK16#3392	433	39.508	0.000276672	0.000277107	1.00	0.995
810	1325BK16#3414	160	39.724	0.001826301	0.001543936	0.85	0.430
811	1325BK16#3426	348	39.842	0.000499983	0.001044177	2.09	0.149
812	1325BK16#3481	355	40.380	0.000096562	0.000123711	1.28	0.569

813	1325BK16#3496	189	40.533	0.001011530	0.001415133	1.40	0.141
814	1325BK16#3496	204	40.533	0.014319536	0.016260576	1.14	0.729
815	1325BK16#3521	312	40.778	0.000075148	0.000060385	0.80	0.414
816	1325BK16#3530	525	40.866	0.000028910	0.000042394	1.47	0.452
817	1325BK16#3530	204	40.866	0.004849903	0.010008680	2.06	0.002
818	1325BK16#3530	345	40.866	0.000157345	0.000196042	1.25	0.247
819	1325BK16#3549	251	41.051	0.000079275	0.000077553	0.98	0.954
820	1325BK16#3549	292	41.051	0.000069765	0.000123589	1.77	0.105
821	1325BK16#3566	332	41.216	0.000835660	0.000976244	1.17	0.412
822	1325BK16#3566	361	41.216	0.001078100	0.000913498	0.85	0.535
823	1325BK16#3571	358	41.255	0.000029525	0.000026358	0.89	0.338
824	1325BK16#3607	251	41.615	0.000132751	0.000196159	1.48	0.407
825	1325BK16#3607	292	41.615	0.000058043	0.000059098	1.02	0.963
826	1325BK16#3614	318	41.684	0.000068004	0.000215419	3.17	0.097
827	1325BK16#3622	204	41.762	0.001675499	0.005869395	3.50	0.000
828	1325BK16#3663	318	42.161	0.000399573	0.001352391	3.38	0.000
829	1325BK16#3692	318	42.441	0.005849433	0.004124154	0.71	0.040
830	1325BK16#3703	204	42.548	0.249269735	0.167629045	0.67	0.031
831	1325BK16#3703	259	42.548	0.000458188	0.000305464	0.67	0.125
832	1325BK16#3802	375	43.487	0.000049914	0.000093169	1.87	0.247
833	1325BK16#3802	318	43.487	0.000099628	0.000161542	1.62	0.207
834	1325BK16#3825	91	43.721	0.001920685	0.000285495	0.15	0.000
835	1325BK16#3825	204	43.721	0.108633317	0.139753597	1.29	0.183
836	1325BK16#3923	91	44.673	0.000273396	0.000226670	0.83	0.781
837	1325BK16#3923	204	44.673	0.001544768	0.000384858	0.25	0.015
838	1325BK16#3944	349	44.873	0.000037121	0.000021689	0.58	0.351
839	1325BK16#3976	119	45.182	0.000298326	0.000176113	0.59	0.278
840	1325BK16#3976	259	45.182	0.000483040	0.000067326	0.14	0.384
841	1325BK16#4011	91	45.511	0.000187261	0.000168486	0.90	0.751
842	1325BK16#4011	204	45.511	0.001018317	0.000385391	0.38	0.010
843	1325BK16#4041	349	45.796	0.000027343	0.000023508	0.86	0.752
844	1325BK16#4304	441	48.284	0.002715602	0.000657378	0.24	0.005
845	1331BK22#2910	202	34.720	0.005973832	0.000230257	0.04	0.025
846	1331BK22#2910	361	34.720	0.023804253	0.000463155	0.02	0.020
847	1333BN04#2233#galacturonic MX1	333	28.162	0.001961418	0.003265030	1.66	0.236
848	1333BN06#2264#galacturonic MX1	364	28.162	0.000391020	0.000408226	1.04	0.931
849	1333BN06#2295#galacturonic MX2	333	28.450	0.004474472	0.004592766	1.03	0.789
850	1333BN06#2376#saccharic	373	29.206	0.000203019	0.000291900	1.44	0.024
851	1333BN07#2253	243	28.406	0.003828509	0.008568397	2.24	0.098
852	1333BN09#2268	333	28.910	0.012238992	0.010952808	0.89	0.306
853	1333BN09#2268	292	28.910	0.035508582	0.032432394	0.91	0.307
854	1334BV09#1143#O-acet-serine	174	17.897	0.009086195	0.163410599	17.98	0.000
855	1334BV11#1880#putrescine 4	361	24.487	0.012351748	0.108022125	8.75	0.005
856	1334BV11#1880#putrescine 4	214	24.487	0.062776060	0.581668340	9.27	0.007
857	1334BV11#1885	256	24.533	0.013816426	0.153226962	11.09	0.000
858	1334BV12#1883	174	24.533	0.084660183	2.608064105	30.81	0.107
859	1334BV12#1883	213	24.533	0.024452240	0.267992749	10.96	0.000
860	1334BV12#1883	314	24.533	0.022677872	0.244180448	10.77	0.000
861	1334BV17#1407#N-acet-serine	132	20.301	0.003022042	0.032041425	10.60	0.000
862	1334BV17#1407#N-acet-serine	186	20.301	0.003506709	0.057635046	16.44	0.002
863	1334BV17#1407#N-acet-serine	261	20.301	0.002693126	0.037844236	14.05	0.001
864	1334BV19#3944	204	43.806	0.109429989	0.139860843	1.28	0.194
865	1334BV19#3944	337	43.806	0.005248618	0.007429945	1.42	0.107
866	1334BV20#2975	451	34.690	0.005047384	0.001317098	0.26	0.004
867	1334BV20#2975	375	34.690	0.011289886	0.003210572	0.28	0.006
868	1334BV20#3961	202	43.806	0.043999986	0.000663553	0.02	0.017
869	1334BV20#3961	227	43.806	0.026608953	0.000726726	0.03	0.018
870	1334BV21#1152#O-acet-serine	116	17.897	0.004055226	0.058714472	14.48	0.000
871	1334BV21#1152#O-acet-serine	132	17.897	0.004093145	0.070672276	17.27	0.001
872	1334BV21#1407	289	20.257	0.001074081	0.023348507	21.74	0.000
873	1334BV21#1407	304	20.257	0.000446968	0.011360185	25.42	0.000
874	1334BV21#2181	174	27.244	0.034973688	0.738332987	21.11	0.000
875	1334BV21#2181	347	27.244	0.003314936	0.060086150	18.13	0.000

876	1334BV21#2181	405	27.244	0.002473816	0.039854070	16.11	0.000
877	1334BV27#1828	392	24.032	0.004350965	0.003791136	0.87	0.114
878	1334BV27#1828	275	24.032	0.009385510	0.022997239	2.45	0.008
879	1334BV27#2301	257	28.358	0.013337056	0.002329144	0.17	0.073
880	1334BV27#2301	188	28.358	0.004869739	0.010860636	2.23	0.281
881	1334BV27#3745	361	41.695	0.003964068	0.000591456	0.15	0.031
882	1334BV27#3745	306	41.695	0.000629696	0.000099026	0.16	0.029
883	1334BV27#3745	217	41.695	0.004483537	0.000927861	0.21	0.003
884	1334BV27#3812	361	42.311	0.002709010	0.000067194	0.02	0.012
885	1334BV27#3812	319	42.311	0.000267308	0.000053513	0.20	0.027
886	1334BV27#3812	85	42.311	0.007159598	0.006543812	0.91	0.213
887	1334BV27#3844	140	42.609	0.011015187	0.000626439	0.06	0.014
888	1334BV27#3844	361	42.609	0.004742718	0.029754593	6.27	0.458
889	1334BV27#3844	169	42.609	0.001610349	0.039953006	24.81	0.221
890	1334BV27#3864	324	42.790	0.062216502	0.239242427	3.85	0.005
891	1334BV27#3864	361	42.790	0.048119579	0.185315779	3.85	0.006
892	1334BV27#3864	450	42.790	0.011830685	0.044833868	3.79	0.006
893	1334BV27#3887	361	42.991	0.026745618	0.185315779	6.93	0.005
894	1334BV27#3887	217	42.991	0.015274586	0.189972629	12.44	0.004
895	1334BV27#3887	169	42.991	0.006385576	0.086024407	13.47	0.004
896	1334BV27#3920	361	43.298	0.013064980	0.000181258	0.01	0.014
897	1334BV27#3920	217	43.298	0.010348406	0.000608449	0.06	0.003
898	1334BV27#3920	169	43.298	0.004019894	0.003616258	0.90	0.861
899	1334BV27#4011	130	44.138	0.027271852	0.000628659	0.02	0.005
900	1334BV27#4011	155	44.138	0.010339061	0.000301528	0.03	0.004
901	1334BV27#4011	361	44.138	0.015018230	0.000182855	0.01	0.006
902	1334BV27#4073	105	44.722	0.004929994	0.000249411	0.05	0.027
903	1334BV27#4073	361	44.722	0.002638386	0.000194642	0.07	0.055
904	1334BV27#4073	217	44.722	0.004426991	0.000908041	0.21	0.049
905	1334BV27#4103	257	45.004	0.005448439	0.000251630	0.05	0.031
906	1334BV27#4103	232	45.004	0.005308601	0.000237440	0.04	0.031
907	1334BV27#4103	379	45.004	0.000525749	0.000029520	0.06	0.024
908	1334BV28#1746	275	23.324	0.084929189	0.513936688	6.05	0.000
909	1334BV28#1746	244	23.324	0.011795950	0.070403464	5.97	0.000
910	1334BV28#1746	155	23.324	0.019998191	0.081543368	4.08	0.000
911	1334BV28#1779	243	23.526	0.021657851	0.586836563	27.10	0.002
912	1334BV28#1779	345	23.526	0.002812577	0.077952372	27.72	0.002
913	1334BV28#1779	317	23.526	0.002274373	0.070324799	30.92	0.004
914	1334BV28#1818	319	23.978	0.023137126	0.216732029	9.37	0.003
915	1334BV28#1818	304	23.978	0.010680376	0.093922974	8.79	0.003
916	1334BV28#1818	190	23.978	0.010751796	0.102683414	9.55	0.004
917	1334BV28#2060	231	26.208	0.023369149	0.015755046	0.67	0.036
918	1334BV28#2060	333	26.208	0.009080371	0.008458352	0.93	0.409
919	1334BV28#2060	480	26.208	0.004528019	0.004118759	0.91	0.302
920	1334BV28#2242	200	27.883	0.003687673	0.099314951	26.93	0.034
921	1334BV28#2242	389	27.883	0.000825111	0.054966912	66.62	0.040
922	1334BV28#2242	506	27.883	0.000140292	0.011368850	81.04	0.037
923	1334BV28#2287	347	28.308	0.005295558	0.011167139	2.11	0.077
924	1334BV28#2287	232	28.308	0.031189317	0.052665932	1.69	0.157
925	1334BV28#2287	449	28.308	0.011969745	0.020300755	1.70	0.137
926	1334BV28#2613	326	31.222	0.000087544	0.003527019	40.29	0.202
927	1334BV28#2613	290	31.222	0.001724716	0.008344119	4.84	0.159
928	1334BV28#2613	428	31.222	0.000143440	0.001868304	13.03	0.278
929	1334BV28#3011	204	35.139	0.003053046	0.036683618	12.02	0.007
930	1334BV28#3011	157	35.139	0.000812430	0.016080549	19.79	0.006
931	1334BV28#3011	191	35.139	0.001405901	0.008914300	6.34	0.007
932	1334BV28#3022	204	35.238	0.002218418	0.011483450	5.18	0.001
933	1334BV28#3022	157	35.238	0.001727343	0.012218594	7.07	0.002
934	1334BV28#3022	331	35.238	0.000312697	0.002240650	7.17	0.005
935	1334BV28#3050	105	35.495	0.015511504	0.022263301	1.44	0.030
936	1334BV28#3050	331	35.495	0.000822811	0.001320705	1.61	0.057
937	1334BV28#3050	217	35.495	0.015410082	0.021037324	1.37	0.033
938	1334BV28#3103	446	35.994	0.000395111	0.002456195	6.22	0.009

939	1334BV28#3103	415	35.994	0.000140138	0.000517503	3.69	0.006
940	1334BV28#3103	217	35.994	0.001294322	0.001689344	1.31	0.330
941	1334BV28#3422	406	38.997	0.018823414	0.022231914	1.18	0.382
942	1334BV28#3422	217	38.997	0.039941698	0.043672716	1.09	0.484
943	1334BV28#3422	495	38.997	0.001945613	0.002297338	1.18	0.394
944	1334BV28#3687	324	41.474	0.002569239	0.007837611	3.05	0.009
945	1334BV28#3687	450	41.474	0.000521726	0.001436315	2.75	0.018
946	1334BV28#3687	361	41.474	0.002753850	0.006490918	2.36	0.017
947	1334BV28#3753	204	42.076	0.014437639	0.075501826	5.23	0.014
948	1334BV28#3753	357	42.076	0.000893397	0.004274767	4.78	0.017
949	1334BV28#3753	239	42.076	0.001053638	0.004451979	4.23	0.017
950	1334BV28#3871	354	43.152	0.008896718	0.026079622	2.93	0.013
951	1334BV28#3871	361	43.152	0.006415680	0.014529180	2.26	0.020
952	1334BV28#3871	450	43.152	0.001964858	0.005244587	2.67	0.016
953	1338AU05#2775#sorbitol-6-P	387	34.463	0.000041700	0.000035457	0.85	0.573
954	1338AU05#2775#sorbitol-6-P	299	34.463	0.000109531	0.000100622	0.92	0.893
955	1338AU05#2775#sorbitol-6-P	315	34.463	0.000074391	0.000063129	0.85	0.689
956	1338AU07#2713#gal-6-P MX1	299	33.813	0.008163370	0.014699516	1.80	0.367
957	1338AU07#2713#gal-6-P MX1	387	33.813	0.006132665	0.012120743	1.98	0.276
958	1338AU07#2713#gal-6-P MX1	160	33.813	0.003287054	0.005846945	1.78	0.338
959	1338AU07#2745#gal-6-P MX2	387	34.107	0.001204030	0.004399066	3.65	0.201
960	1338AU12#1860#glyceric-3-P	299	25.932	0.001678262	0.001121635	0.67	0.339
961	1338AU12#1860#glyceric-3-P	387	25.932	0.000268453	0.000374975	1.40	0.522
962	1338AU12#1860#glyceric-3-P	459	25.932	0.000163422	0.000204496	1.25	0.704
963	1340AU03#1851#p-aminobenzoic	266	26.300	0.000563279	0.000318876	0.57	0.113
964	1340AU03#1851#p-aminobenzoic	281	26.300	0.000320808	0.000119507	0.37	0.093
965	1340AU03#1851#p-aminobenzoic	222	26.300	0.001561693	0.001461098	0.94	0.204
966	1340AU04#0792#norleucine 2	158	16.236	0.000068509	0.000057603	0.84	0.625
967	1340AU04#0792#norleucine 2	232	16.236	0.000060091	0.000073987	1.23	0.615
968	1340AU04#0792#norleucine 2	260	16.236	0.000120309	0.000130559	1.09	0.843
969	1340AU06#1981#allantoin 4	331	27.205	0.148196400	0.094591856	0.64	0.160
970	1340AU06#1981#allantoin 4	431	27.205	0.025789898	0.012382578	0.48	0.115
971	1340AU06#1981#allantoin 4	446	27.205	0.026387175	0.013491883	0.51	0.114
972	1340AU06#2014#allantoin 5	518	27.512	0.000315686	0.001507020	4.77	0.012
973	1340AU06#2014#allantoin 5	428	27.512	0.000175653	0.001007275	5.73	0.010
974	1340AU06#2014#allantoin 5	403	27.512	0.000794188	0.000763283	0.96	0.853
975	1340AU07#1942#adenine	264	26.916	0.007312352	0.015959585	2.18	0.326
976	1340AU07#1942#adenine	279	26.916	0.049065109	0.002684258	0.05	0.413
977	1340AU07#1942#adenine	192	26.916	0.000474986	0.002284206	4.81	0.052
978	1340AU09#2378#guanine	352	31.071	0.000144995	0.000385813	2.66	0.186
979	1340AU09#2378#guanine	367	31.071	0.000083099	0.000053744	0.65	0.081
980	1340AU09#2378#guanine	264	31.071	0.000280837	0.000316066	1.13	0.702
981	1340AU10#1717#aconitic	285	24.894	0.002237659	0.002345888	1.05	0.900
982	1340AU10#1717#aconitic	375	24.894	0.002446725	0.002428808	0.99	0.989
983	1340AU10#1717#aconitic	229	24.894	0.006479458	0.007835813	1.21	0.646
984	1340AU11#2058#p-coumaric	249	28.101	0.001500275	0.002044022	1.36	0.298
985	1340AU11#2058#p-coumaric	293	28.101	0.001074832	0.000952654	0.89	0.837
986	1340AU11#2058#p-coumaric	308	28.101	0.001431556	0.001014328	0.71	0.257
987	1340AU12#1826#o-coumaric	293	25.885	0.001695880	0.004659821	2.75	0.164
988	1340AU12#1826#o-coumaric	308	25.885	0.000534078	0.000330469	0.62	0.083
989	1340AU12#1826#o-coumaric	161	25.885	0.006507706	0.002284241	0.35	0.006
990	1340AU14#3254#adenosine	322	38.986	0.000151936	0.000176038	1.16	0.444
991	1340AU14#3254#adenosine	465	38.986	0.000190414	0.000213741	1.12	0.581
992	1340AU14#3254#adenosine	540	38.986	0.000018203	0.000020084	1.10	0.772
993	1340AU15#2109#indole-3-acetic	202	28.475	0.000413850	0.000406504	0.98	0.973
994	1340AU15#2109#indole-3-acetic	319	28.475	0.001633804	0.003790824	2.32	0.023
995	1340AU15#2109#indole-3-acetic	276	28.475	0.000234481	0.000349933	1.49	0.285
996	1340AU18#2564#spermidine	156	32.807	0.001595964	0.002834828	1.78	0.059
997	1340AU20#1028#S-me-cysteine 2	162	18.434	0.009563336	0.006860420	0.72	0.077
998	1340AU20#1028#S-me-cysteine 2	218	18.434	0.001656613	0.001813615	1.09	0.746
999	1340AU20#1028#S-me-cysteine 2	236	18.434	0.001295656	0.000883379	0.68	0.096
1000	1340AU21#0999#glutaric	158	18.132	0.001895168	0.001644215	0.87	0.329
1001	1340AU21#0999#glutaric	261	18.132	0.001410914	0.001171475	0.83	0.195



1002	1340AU21#0999#glutaric	233	18.132	0.000455565	0.000400003	0.88	0.560
1003	2009AU02#4302	204	46.743	0.008601608	0.010899642	1.27	0.766
1004	2009AU02#4302	191	46.743	0.000884790	0.001624871	1.84	0.025
1005	2009AU02#4302	259	46.743	0.000092550	0.000305985	3.31	0.093
1006	2009AU04#3664#melibiose MX1	204	40.845	0.004849903	0.010008680	2.06	0.002
1007	2009AU04#3664#melibiose MX1	361	40.845	0.002279816	0.004761980	2.09	0.002
1008	2009AU04#3664#melibiose MX1	480	40.845	0.000100846	0.000219748	2.18	0.019
1009	2009AU04#4352#melezitose	361	47.192	0.000093308	0.000084114	0.90	0.776
1010	2009AU04#4352#melezitose	451	47.192	0.000054737	0.000028937	0.53	0.003
1011	2009AU04#4352#melezitose	271	47.192	0.000123304	0.000067687	0.55	0.093
1012	2009AU07#3699#melibiose MX2	204	41.168	0.004285912	0.003420647	0.80	0.382
1013	2009AU07#3699#melibiose MX2	361	41.168	0.001078100	0.000849479	0.79	0.410
1014	2009AU07#3699#melibiose MX2	160	41.168	0.000157661	0.000310383	1.97	0.097
1015	2009AU13#3506#trehalose	169	39.356	0.012377423	0.002274195	0.18	0.015
1016	2009AU13#3506#trehalose	361	39.356	0.046122174	0.011097267	0.24	0.015
1017	2015BV03#0799#serine 2	219	14.818	0.072644338	0.149085154	2.05	0.000
1018	2015BV03#1056#serine 3	204	17.133	0.622568870	1.240912724	1.99	0.001
1019	2015BV03#1056#serine 3	278	17.133	0.036998577	0.069834187	1.89	0.001
1020	2015BV30#2713#tryptamine	174	32.434	0.001483362	0.001596412	1.08	0.836
1021	2015BV30#2713#tryptamine	273	32.434	0.000158258	0.000111269	0.70	0.375
1022	2015BV30#2713#tryptamine	361	32.434	0.000145957	0.000104560	0.72	0.217
1023	2066BN03#1003#nicotine	84	16.891	0.001287869	0.000581321	0.45	0.150
1024	2066BN03#1003#nicotine	133	16.891	0.144565576	0.115405926	0.80	0.493
1025	2066BN03#1003#nicotine	161+162	16.891	0.000409969	0.015407551	37.58	0.280
1026	2066BN03#1003#nicotine	85	16.891	0.005736772	0.002026862	0.35	0.068
1027	2066BN03#1382#salicylic	267	20.265	0.003469429	0.006393407	1.84	0.002
1028	2066BN03#1382#salicylic	268	20.265	0.001078745	0.001683136	1.56	0.078
1029	2066BN03#1382#salicylic	209	20.265	0.000483532	0.001046594	2.16	0.001
1030	2066BN03#1382#salicylic	91	20.265	0.000694180	0.000833823	1.20	0.142
1031	2066BN03#1722#t-o-coumaric	190	23.300	0.002248344	0.002624052	1.17	0.521
1032	2066BN03#1722#t-o-coumaric	293	23.300	0.000355126	0.000199096	0.56	0.104
1033	2066BN03#1722#t-o-coumaric	308	23.300	0.004992539	0.001711330	0.34	0.201
1034	2066BN03#1722#t-o-coumaric	161	23.300	0.001830524	0.001875858	1.02	0.935
1035	2077BN06#1973#galactonic	333	28.978	0.012238992	0.010952808	0.89	0.306
1036	2077BN06#1973#galactonic	292	28.978	0.035521665	0.032524791	0.92	0.317
1037	2077BN06#1973#galactonic	423	28.978	0.000812158	0.000612431	0.75	0.024
1038	2077BN06#1973#galactonic	433	28.978	0.003399492	0.002766658	0.81	0.108
1039	2077BN07#1944#gulonic	333	28.433	0.004513554	0.004592766	1.02	0.863
1040	2077BN07#1944#gulonic	292	28.433	0.004203875	0.004628756	1.10	0.396
1041	2077BN07#1944#gulonic	423	28.433	0.000411491	0.000442735	1.08	0.437
1042	2077BN07#1944#gulonic	433	28.433	0.000474497	0.000504314	1.06	0.684
1043	2077BN11#1910#glucuronic MX1	333	28.018	0.006186908	0.005894209	0.95	0.675
1044	2077BN11#1910#glucuronic MX1	160	28.018	0.004203749	0.004398860	1.05	0.872
1045	2077BN11#1910#glucuronic MX1	423	28.018	0.000352530	0.000332621	0.94	0.578
1046	2077BN11#1932#glucuronic MX2	160	28.245	0.002518986	0.004992397	1.98	0.022
1047	2077BN11#1932#glucuronic MX2	292	28.245	0.004210982	0.004656918	1.11	0.373
1048	2077BN11#1932#glucuronic MX2	393	28.245	0.000123206	0.000150083	1.22	0.439
1049	2081BN03#2686#t-3,5ME4OHcin MX	174	30.838	0.001636264	0.002673833	1.63	0.010
1050	2081BN03#2686#t-3,5ME4OHcin MX	248	30.838	0.000189857	0.000097351	0.51	0.064
1051	2081BN03#2686#t-3,5ME4OHcin MX	309	30.838	0.000262440	0.000168732	0.64	0.473
1052	2081BN04#2381#coniferyl alcol	324	28.143	0.000661614	0.000566395	0.86	0.775
1053	2081BN04#2381#coniferyl alcol	293	28.143	0.001079159	0.001596650	1.48	0.408
1054	2081BN04#2381#coniferyl alcol	235	28.143	0.000364793	0.002688395	7.37	0.079
1055	2081BN05#2389#t-3ME4OHcin MX2	248	28.252	0.000563515	0.000522330	0.93	0.806
1056	2081BN05#2389#t-3ME4OHcin MX2	279	28.252	0.000138544	0.000144614	1.04	0.952
1057	2081BN05#2389#t-3ME4OHcin MX2	218	28.252	0.003444470	0.007716649	2.24	0.383
1058	2081BN05#2406#t-3ME4OHcin MX1	279	28.437	0.000099421	0.000098286	0.99	0.983
1059	2081BN05#2406#t-3ME4OHcin MX1	248	28.437	0.000709725	0.000778562	1.10	0.810
1060	2081BN05#2406#t-3ME4OHcin MX1	218	28.437	0.009161682	0.011485940	1.25	0.645
1061	2081BN06#2646#sinapyl alcol	354	30.473	0.000386912	0.000453925	1.17	0.418
1062	2081BN06#2646#sinapyl alcol	234	30.473	0.001464015	0.002155653	1.47	0.464
1063	2081BN06#2646#sinapyl alcol	323	30.473	0.002039802	0.000903688	0.44	0.449
1064	2081BN09#3943	556	41.942	0.000010638	0.000019784	1.86	0.381

1065	2081BN09#3943	526	41.942	0.000016760	0.000018454	1.10	0.692
1066	2081BN09#3943	279	41.942	0.000063736	0.000067018	1.05	0.901
1067	2081BN33#3156	174	35.040	0.000250457	0.000882451	<b>3.52</b>	<b>0.023</b>
1068	2081BN33#3156	324	35.040	0.000062316	0.000098920	1.59	0.413
1069	2081BN33#3156	455	35.040	0.000035340	0.000062426	1.77	0.147
1070	2081BN33#3665	556	39.454	0.000020337	0.000024701	1.21	0.414
1071	2081BN33#3665	526	39.454	0.000030311	0.000032646	1.08	0.817
1072	2081BN33#3665	279	39.454	0.000174720	0.000081187	0.46	0.158

#	NAME	Q_TRACE	PRED_RT	Induced starvation, date point 1 (i1)			
				Avg Resp nS	Avg Resp -S	R -S/nS	P-value
1	1090DK05#4896#1-t-caffeoquinic	307	46.502	0.000079536	0.000298818	3.76	0.062
2	1090DK05#4896#1-t-caffeoquinic	324	46.502	0.000057109	0.000098541	1.73	0.242
3	1090DK05#4896#1-t-caffeoquinic	219	46.502	0.000514380	0.002562731	<b>4.98</b>	<b>0.030</b>
4	1164CC35#1780#arginine 5	256	26.181	0.167328962	0.106234318	0.63	0.112
5	1164CC35#1780#arginine 5	157	26.181	0.291330271	0.187100668	0.64	0.135
6	1164CC37#1216	243	20.159	0.273917152	0.417623015	<b>1.52</b>	<b>0.010</b>
7	1164CC37#1220	142	20.257	0.010123145	0.112789294	<b>11.14</b>	<b>0.003</b>
8	1164CC37#1267	232	20.717	0.016558638	0.025095706	1.52	0.061
9	1164CC37#1280	155	20.807	1.033429183	1.992170016	1.93	0.124
10	1164CC37#1378	301	21.835	0.054948232	0.264113854	4.81	0.133
11	1164CC37#1378	227	21.835	0.134195167	0.641424272	4.78	0.135
12	1164CC37#1378	344	21.835	0.068603138	0.342518938	4.99	0.124
13	1164CC37#1705#glutamine 3	156	25.296	3.205295159	2.398060515	0.75	0.310
14	1164CC37#1705#glutamine 3	245	25.296	0.940728837	3.242607793	3.45	0.071
15	1164CC37#1965	204	28.073	1.792215604	3.725224252	<b>2.08</b>	<b>0.000</b>
16	1194BK05#2052#ornithine 4	420	25.990	0.054747914	0.031255547	0.57	0.053
17	1194BK05#2052#ornithine 4	142	25.990	1.084312717	0.616485015	0.57	0.053
18	1194BK05#2052#ornithine 4	174	25.990	0.557127341	0.318085129	0.57	0.054
19	1194BK09#2389#glutamine 4	227	28.996	0.088961134	0.275859124	3.10	0.108
20	1194BK09#2389#glutamine 4	317	28.996	0.021660720	0.068371835	3.16	0.098
21	1194BK09#2389#glutamine 4	156	28.996	0.024154090	0.071658637	2.97	0.112
22	1194BK11#1453#t-4-HO-proline	230	20.567	0.483326624	1.274936169	<b>2.64</b>	<b>0.002</b>
23	1194BK11#1453#t-4-HO-proline	140	20.567	0.117487587	0.301589509	<b>2.57</b>	<b>0.005</b>
24	1194BK11#1453#t-4-HO-proline	304	20.567	0.024913793	0.000353232	0.01	0.267
25	1194BK15#1922#arginine 3	174	24.834	0.319877137	0.161000070	0.50	0.105
26	1194BK15#1922#ornithine 3	174	24.834	0.319877137	0.161000070	0.50	0.105
27	1194BK15#1922#ornithine 3	186	24.834	0.097428845	0.041255267	<b>0.42</b>	<b>0.041</b>
28	1194BK15#1922#ornithine 3	348	24.834	0.024580793	0.011233161	0.46	0.068
29	1194BK15#2050#arginine 4	142	25.990	1.084312717	0.616485015	0.57	0.053
30	1194BK20#2225#gal MX2	160	27.625	1.542994424	1.017911379	0.66	0.270
31	1215BK02#1748#arabinose MX	217	23.253	0.043393485	0.052438202	1.21	0.051
32	1215BK02#1748#arabinose MX	307	23.253	0.022496959	0.027094815	1.20	0.060
33	1215BK02#1753#arabinose MX	160	23.253	0.011541727	0.013189133	<b>1.14</b>	<b>0.032</b>
34	1215BK03#1782#ribose MX	217	23.568	0.030204076	0.045656872	1.51	0.172
35	1215BK04#1717#xylose MX1	307	22.988	0.004476995	0.005432238	<b>1.21</b>	<b>0.018</b>
36	1215BK04#1717#xylose MX1	160	22.988	0.001527768	0.001896272	1.24	0.061
37	1215BK04#1738#xylose MX2	160	23.178	0.011468761	0.013124992	<b>1.14</b>	<b>0.032</b>
38	1215BK05#3504#maltose MX1	480	39.300	0.000612788	0.000606515	0.99	0.976
39	1215BK05#3540#maltose MX2	204	39.594	0.016419375	0.014467756	0.88	0.545
40	1215BK07#1896#fucose MX1	160	24.395	0.016253174	0.018749771	1.15	0.052
41	1215BK07#1896#fucose MX1	160	24.395	0.016253174	0.018749771	1.15	0.052
42	1215BK07#1896#fucose MX2	160	24.595	0.003469996	0.003616314	1.04	0.738
43	1215BK07#1896#fucose MX2	117	24.595	0.035355704	0.040566727	1.15	0.051
44	1215BK09#2256#mannitol	319	27.889	0.009567147	1.082465462	113.14	0.177
45	1215BK09#2256#mannitol	307	27.889	0.001179954	0.026595230	22.54	0.360
46	1215BK09#2256#mannitol	421	27.889	0.000480507	0.000524945	1.09	0.838
47	1215BK11#1416#erythritol	205	20.277	0.012353262	0.018436128	<b>1.49</b>	<b>0.003</b>
48	1215BK11#1416#erythritol	320	20.277	0.001064997	0.001682196	<b>1.58</b>	<b>0.001</b>
49	1215BK11#1416#erythritol	293	20.277	0.001893939	0.002885502	<b>1.52</b>	<b>0.001</b>
50	1215BK12#2269#sorbitol	319	28.002	0.009567147	0.013439492	1.40	0.231
51	1215BK12#2269#sorbitol	307	28.002	0.001179954	0.001353076	1.15	0.390

52	1215BK12#2269#sorbitol	419	28.002	0.000198962	0.000201372	1.01	0.970
53	1215BK13#2273#galactitol	307	28.086	0.003154893	0.012125367	3.84	0.000
54	1215BK13#2273#galactitol	421	28.086	0.000086164	0.000346028	4.02	0.006
55	1215BK13#2273#galactitol	331	28.086	0.004026989	0.015910789	3.95	0.000
56	1215BK14#1835#xylitol	307	24.083	0.000529643	0.001122889	2.12	0.013
57	1215BK14#1835#xylitol	319	24.083	0.004309097	0.027907785	6.48	0.286
58	1215BK15#3625#maltitol	191	40.453	0.001797227	0.002285249	1.27	0.143
59	1215BK15#3625#maltitol	361	40.453	0.004712615	0.006003568	1.27	0.417
60	1215BK16#1857#rhamnose MX1	364	24.249	0.000544938	0.000574383	1.05	0.666
61	1215BK16#1867#rhamnose MX2	117	24.348	0.713928726	0.736626364	1.03	0.484
62	1215BK16#1867#rhamnose MX2	160	24.348	0.016253174	0.018749771	1.15	0.052
63	1215BK22#1328#citramalic	349	19.462	0.000069554	0.000158784	2.28	0.213
64	1215BK22#1328#citramalic	247	19.462	0.001145820	0.001552238	1.35	0.357
65	1215BK38#1269#homoserine 3	218	19.050	0.002919808	0.005809358	1.99	0.119
66	1215BK38#1269#homoserine 3	292	19.050	0.000121006	0.000218040	1.80	0.248
67	1215BK38#1557#a-kt-glutaric MX	198	21.703	0.009177013	0.016888793	1.84	0.003
68	1215BK38#1557#a-kt-glutaric MX	288	21.703	0.002797426	0.005242130	1.87	0.002
69	1215BK38#1557#a-kt-glutaric MX	304	21.703	0.002501322	0.004390798	1.76	0.007
70	1215BK38#1724#homocysteine 3	234	23.251	0.002666533	0.003796230	1.42	0.016
71	1215BK38#1724#homocysteine 3	351	23.251	0.000065786	0.000321141	4.88	0.004
72	1215BK38#1724#homocysteine 3	261	23.251	0.000454264	0.000268311	0.59	0.047
73	1215BK38#2153#gal MX1	160	27.304	0.092016321	0.137591436	1.50	0.000
74	1215BK38#2153#gal MX1	319	27.304	0.191975241	0.284453241	1.48	0.008
75	1215BK38#2153#gal MX1	205	27.304	0.218791759	0.323524419	1.48	0.013
76	1215BK38#2207#c-ferulic	293	27.793	0.000383547	0.000557212	1.45	0.172
77	1215BK38#2207#c-ferulic	249	27.793	0.000593547	0.001570859	2.65	0.281
78	1215BK38#2207#c-ferulic	338	27.793	0.000200335	0.000332234	1.66	0.221
79	1215BK38#2439#c-sinapic	338	30.024	0.013642104	0.019684782	1.44	0.169
80	1215BK38#2439#c-sinapic	368	30.024	0.012986749	0.018981599	1.46	0.159
81	1215BK38#2439#c-sinapic	323	29.907	0.004625589	0.006619381	1.43	0.169
82	1219BK04#2184#galactonic-1,4-L	334	27.254	0.106036542	0.036807737	0.35	0.083
83	1219BK04#2184#galactonic-1,4-L	361	27.254	0.007581672	0.007561559	1.00	0.993
84	1219BK04#2184#galactonic-1,4-L	466	27.254	0.028602108	0.048084809	1.68	0.595
85	1219BK05#2185#a-kt-gulonic MX	349	27.346	0.000591707	0.004358972	7.37	0.081
86	1219BK05#2185#a-kt-gulonic MX	186	27.346	0.082353893	0.003970169	0.05	0.000
87	1219BK07#2218#gulonic-1,4-L	333	27.850	0.005981050	0.007476963	1.25	0.062
88	1219BK07#2218#gulonic-1,4-L	466	27.850	0.000110384	0.000904110	8.19	0.299
89	1219BK07#2218#gulonic-1,4-L	243	27.850	0.017500823	0.018418976	1.05	0.912
90	1248BK08#0805	117	14.496	0.013164621	0.009816398	0.75	0.128
91	1248BK08#0815#benzoic	179	14.591	0.016675653	0.037022454	2.22	0.219
92	1248BK08#0815#benzoic	105	14.591	0.013693310	0.032760354	2.39	0.229
93	1248BK08#0856#urea	189	14.931	0.008254447	0.023533901	2.85	0.009
94	1248BK08#0931#threonine 2	219	15.643	0.074659334	0.141681856	1.90	0.044
95	1248BK08#0931#threonine 2	117	15.643	0.249102014	0.458071475	1.84	0.049
96	1248BK08#0953#glycine 3	174	15.840	0.084702726	0.755919272	8.92	0.307
97	1248BK08#0953#glycine 3	248	15.840	0.012435599	0.121239214	9.75	0.317
98	1248BK08#0990	306	16.178	0.000055946	0.000115239	2.06	0.420
99	1248BK08#1020	184	16.441	0.033135922	0.027625416	0.83	0.124
100	1248BK08#1020	285	16.441	0.010616519	0.008850108	0.83	0.197
101	1248BK08#1043#uracil 2	241	16.639	0.002322020	0.001209089	0.52	0.021
102	1248BK08#1056	259	16.761	0.000171626	0.000444411	2.59	0.190
103	1248BK08#1107#thymine 2	255	17.231	0.000546213	0.000488076	0.89	0.557
104	1248BK08#1121	257	17.348	0.000045707	0.000136858	2.99	0.103
105	1248BK08#1128	141	17.420	0.011401265	0.038036197	3.34	0.226
106	1248BK08#1180	142	17.888	0.002494724	0.004433290	1.78	0.042
107	1248BK08#1196	259	18.041	0.000275771	0.000373169	1.35	0.521
108	1248BK08#1214	242	18.194	0.000238537	0.000078435	0.33	0.252
109	1248BK08#1214	234	18.194	0.958786135	0.007228242	0.01	0.266
110	1248BK08#1225	104	18.293	0.003108907	0.004648785	1.50	0.066
111	1248BK08#1249#b-alanine 3	248	18.526	0.017631680	0.075706986	4.29	0.000
112	1248BK08#1249#b-alanine 3	290	18.526	0.004354206	0.019147530	4.40	0.001
113	1248BK08#1249#b-alanine 3	174	18.526	0.026786184	0.109357161	4.08	0.001
114	1248BK08#1308#homoserine 3	128	19.050	0.000985473	0.002139893	2.17	0.101

115	1248BK08#1340	255	19.313	0.002073476	0.002695995	1.30	0.631
116	1248BK08#1368	155	19.569	0.132426085	0.359946455	2.72	0.002
117	1248BK08#1368	229	19.565	0.007242958	0.018854208	2.60	0.004
118	1248BK08#1446	306	20.299	0.094872729	0.000686786	0.01	0.266
119	1248BK08#1463#methionine 2	176	20.453	0.009626605	0.013812261	1.43	0.029
120	1248BK08#1463#methionine 2	128	20.453	0.007328150	0.010583525	1.44	0.047
121	1248BK08#1527	120	21.054	0.021427396	0.046657872	2.18	0.010
122	1248BK08#1540#cysteine 3	294	21.171	0.013139968	0.004686397	0.36	0.181
123	1248BK08#1540#cysteine 3	220	21.171	0.002705183	0.003213002	1.19	0.537
124	1248BK08#1568	162	21.424	0.009146393	0.015178388	1.66	0.111
125	1248BK08#1568	218	21.424	0.020623358	0.034291250	1.66	0.106
126	1248BK08#1630	188	21.984	0.094202353	0.060225889	0.64	0.569
127	1248BK08#1641	305	22.084	0.020095638	0.036121133	1.80	0.120
128	1248BK08#1669	142	22.339	0.078197622	0.059169875	0.76	0.480
129	1248BK08#1669	348	22.339	0.005728974	0.004667077	0.81	0.607
130	1248BK08#1695	188	22.592	0.004269003	0.007880586	1.85	0.164
131	1248BK08#1695	216	22.592	0.004945414	0.006256557	1.27	0.364
132	1248BK08#1841	275	23.932	0.103926798	0.309247231	2.98	0.065
133	1248BK08#1852	173	24.032	0.165062115	0.371383703	2.25	0.103
134	1248BK08#1888	156	24.340	0.005214382	0.014442780	2.77	0.326
135	1248BK08#1907	227	24.517	0.004595644	0.139369695	30.33	0.083
136	1248BK08#1907	203	24.517	0.003683253	0.109010688	29.60	0.088
137	1248BK08#1907	317	24.517	0.001470125	0.038030659	25.87	0.076
138	1248BK08#1940	216	24.844	0.000814643	0.006567923	8.06	0.094
139	1248BK08#1948	216	24.919	0.000643381	0.000452833	0.70	0.134
140	1248BK08#1969	333	25.113	0.003613626	0.006120138	1.69	0.016
141	1248BK08#1969	292	25.113	0.016941301	0.030052145	1.77	0.023
142	1248BK08#2056	461	25.911	0.000095318	0.000135137	1.42	0.468
143	1248BK08#2056	371	25.911	0.000457656	0.000183836	0.40	0.199
144	1248BK08#2056	257	25.911	0.001830260	0.003733185	2.04	0.089
145	1248BK08#2264#lysine 4	156	27.765	0.079515052	0.111311561	1.40	0.315
146	1248BK08#2264#lysine 4	317	27.765	0.043159194	0.058943070	1.37	0.363
147	1248BK08#2264#lysine 4	174	27.765	0.122920258	0.165201127	1.34	0.366
148	1248BK08#2323	217	28.410	0.041177688	0.046805965	1.14	0.746
149	1248BK08#2323	361	28.410	0.010281199	0.011317096	1.10	0.824
150	1248BK08#2406#saccharic	333	29.208	0.008843161	0.024052834	2.72	0.487
151	1248BK08#2411	433	29.287	0.000419061	0.000810866	1.93	0.004
152	1248BK08#2411	205	29.287	0.002434861	0.004935716	2.03	0.008
153	1248BK08#2429	393	29.460	0.002511606	0.003843848	1.53	0.248
154	1248BK08#2495	204	30.096	0.000587443	0.004330966	7.37	0.102
155	1248BK08#2495	539	30.096	0.000037509	0.000041255	1.10	0.855
156	1248BK08#2495	333	29.751	0.009554307	0.013489880	1.41	0.044
157	1248BK08#2568	245	30.794	0.000239873	0.000213530	0.89	0.848
158	1248BK08#2568	257	30.794	0.000119978	0.000213373	1.78	0.102
159	1248BK08#2568	292	30.794	0.000297389	0.000272146	0.92	0.858
160	1248BK08#2588	228	30.986	0.000161761	0.000289643	1.79	0.102
161	1248BK08#2664	437	31.721	0.000070996	0.000182953	2.58	0.017
162	1248BK08#2720#9,12(Z,Z)-18:2	337	32.269	0.000112005	0.000137367	1.23	0.443
163	1248BK08#2771	373	32.768	0.000036401	0.000112412	3.09	0.026
164	1248BK08#2796	373	33.013	0.000058373	0.000142985	2.45	0.000
165	1248BK08#2876	337	33.808	0.013032684	0.024730092	1.90	0.206
166	1248BK08#2876	217	33.820	0.025646278	0.049619892	1.93	0.131
167	1248BK08#2876	361	33.820	0.003926686	0.007652582	1.95	0.119
168	1248BK08#2949	433	34.530	0.000094039	0.000408305	4.34	0.016
169	1248BK08#2983	387	34.866	0.000097572	0.000117666	1.21	0.583
170	1248BK08#2983	299	34.866	0.000130823	0.000218099	1.67	0.278
171	1248BK08#3000	289	35.048	0.000132632	0.000140326	1.06	0.869
172	1248BK08#3018	334	35.216	0.000053391	0.000120206	2.25	0.020
173	1248BK08#3036	289	35.396	0.000087959	0.000094373	1.07	0.829
174	1248BK08#3036	334	35.396	0.000033168	0.000157836	4.76	0.058
175	1248BK08#3086	401	35.894	0.000055630	0.000101268	1.82	0.318
176	1248BK08#3086	437	35.894	0.000044315	0.000073712	1.66	0.141
177	1248BK08#3103	260	36.064	0.000080205	0.000189643	2.36	0.095

178	1248BK08#3131	446	36.344	0.000483611	0.003106614	6.42	0.046
179	1248BK08#3177	313	36.806	0.000092497	0.000219853	2.38	0.155
180	1248BK08#3192	387	36.957	0.000163788	0.000262900	1.61	0.449
181	1248BK08#3192	299	36.957	0.000130024	0.000330109	2.54	0.223
182	1248BK08#3192	471	36.957	0.000039661	0.000046746	1.18	0.651
183	1248BK08#3196	324	37.007	0.000061630	0.000090372	1.47	0.037
184	1248BK08#3223	287	37.271	0.000105256	0.000136225	1.29	0.424
185	1248BK08#3233	401	37.373	0.000058930	0.000060600	1.03	0.935
186	1248BK08#3359	491	38.628	0.000033325	0.000034993	1.05	0.891
187	1248BK08#3365	480	38.701	0.000082879	0.000090826	1.10	0.674
188	1248BK08#3365	307	38.701	0.000267098	0.000307687	1.15	0.254
189	1248BK08#3383	307	38.885	0.000720265	0.000787045	1.09	0.849
190	1248BK08#3385	295	38.914	0.001164723	0.001199603	1.03	0.911
191	1248BK08#3405	322	39.118	0.000054975	0.000075988	1.38	0.441
192	1248BK08#3412	473	39.178	0.000020649	0.000033262	1.61	0.474
193	1248BK08#3447	437	39.532	0.000682189	0.000592861	0.87	0.192
194	1248BK08#3456	361	39.623	0.003508373	0.005986102	1.71	0.136
195	1248BK08#3463	288	39.693	0.000068689	0.000093109	1.36	0.489
196	1248BK08#3468	437	39.743	0.000042171	0.000079954	1.90	0.371
197	1248BK08#3479	437	39.855	0.000082052	0.000110994	1.35	0.438
198	1248BK08#3581	539	40.856	0.000020089	0.000051384	2.56	0.085
199	1248BK08#3589	396	40.937	0.000016986	0.000034550	2.03	0.346
200	1248BK08#3589	361	40.937	0.000612122	0.004386675	7.17	0.100
201	1248BK08#3606	285	41.112	0.000038874	0.000081979	2.11	0.408
202	1248BK08#3627	296	41.303	0.000686902	0.000784353	1.14	0.500
203	1248BK08#3643	479	41.457	0.000017249	0.000060424	3.50	0.354
204	1248BK08#3773	446	42.694	0.000020399	0.000037005	1.81	0.474
205	1248BK08#3773	229	42.694	0.003050321	0.010158759	3.33	0.046
206	1248BK08#4003	259	44.854	0.000896672	0.000291327	0.32	0.003
207	1248BK08#4172#raffinose	437	46.417	0.000585810	0.014206892	24.25	0.043
208	1248BK08#4172#raffinose	451	46.417	0.000317022	0.006292299	19.85	0.079
209	1248BK08#4172#raffinose	361	46.417	0.006285200	0.065023724	10.35	0.079
210	1248BK08#4180	437	46.509	0.000653147	0.014221955	21.77	0.044
211	1248BK08#4180	204	46.509	0.003010653	0.038294132	12.72	0.038
212	1248BK08#4180	217	46.509	0.007248624	0.039493267	5.45	0.041
213	1248BK08#4186	451	46.633	0.000276123	0.007340507	26.58	0.028
214	1250BK34#0703#dodecane	85	13.194	1.492788455	1.274547997	0.85	0.196
215	1263BK24#0843	174	14.907	1.280135532	1.315339691	1.03	0.780
216	1263BK24#0864#leucine 2	158	15.095	0.044805484	0.064605817	1.44	0.092
217	1263BK24#0864#leucine 2	232	15.095	0.001663093	0.002392216	1.44	0.067
218	1263BK24#0874#glycerol	117	15.184	0.082424207	0.091595690	1.11	0.699
219	1263BK24#0874#glycerol	205	15.184	0.127026836	0.139118109	1.10	0.767
220	1263BK24#0874#glycerol	218	15.184	0.044917551	0.044448704	0.99	0.960
221	1263BK24#0874#glycerol	293	15.184	0.003320116	0.003415034	1.03	0.881
222	1263BK24#0960	174	15.965	1.809069893	3.344890327	1.85	0.002
223	1263BK24#1089	156	17.123	0.000564870	0.001585713	2.81	0.012
224	1263BK24#1089	215	17.123	0.006819243	0.002570151	0.38	0.126
225	1263BK24#1215	219	18.264	0.003705056	0.006459895	1.74	0.042
226	1263BK24#1243	228	18.516	0.019882222	0.021789859	1.10	0.729
227	1263BK24#1446	188	20.361	0.003150685	0.003508623	1.11	0.623
228	1263BK24#1633	292	22.057	0.001535338	0.002631172	1.71	0.154
229	1263BK24#1633	117	22.057	0.000762673	0.002139785	2.81	0.067
230	1263BK24#1743	257	23.051	0.004398259	0.005631895	1.28	0.292
231	1263BK24#1785	150	23.426	0.000516343	0.000944177	1.83	0.038
232	1263BK24#1785	272	23.426	0.003988967	0.009666049	2.42	0.053
233	1263BK24#1861	303	24.109	0.003204489	0.004212960	1.31	0.025
234	1263BK24#1907	357	24.532	0.000239556	0.000366515	1.53	0.419
235	1263BK24#1910	416	24.554	0.000923494	0.002871167	3.11	0.245
236	1263BK24#1994	133	25.314	0.167981317	0.098722700	0.59	0.003
237	1263BK24#2004	244	25.433	0.003215760	0.002641528	0.82	0.656
238	1263BK24#2026	194	25.595	0.001002463	0.001994054	1.99	0.020
239	1263BK24#2047	437	25.800	0.001100987	0.002149669	1.95	0.080
240	1263BK24#2063	345	25.931	0.001541056	0.001869628	1.21	0.427



241	1263BK24#2063	435	25.931	0.001196003	0.001798530	1.50	0.155
242	1263BK24#2154	144	26.771	0.000663898	0.001519562	2.29	0.140
243	1263BK24#2154	307	26.771	0.001910096	0.001768339	0.93	0.880
244	1263BK24#2269	234	27.828	0.015757784	0.027076814	1.72	0.452
245	1263BK24#2295#tyrosine	218	28.072	0.119112232	0.424428629	3.56	0.001
246	1263BK24#2295#tyrosine	280	28.072	0.006427960	0.019017132	2.96	0.047
247	1263BK24#2476	319	29.726	0.079154535	0.000436460	0.01	0.090
248	1263BK24#2679	300	31.578	0.000093672	0.000116249	1.24	0.485
249	1263BK24#2679	228	31.578	0.000136987	0.000125553	0.92	0.784
250	1263BK24#2697	458	31.740	0.000034047	0.000023837	0.70	0.179
251	1263BK24#2727	235	32.014	0.000847624	0.004015289	4.74	0.001
252	1263BK24#2772	328	32.434	0.005099231	0.006881891	1.35	0.569
253	1263BK24#2814#spermidine	174	32.824	0.001127094	0.006929034	6.15	0.035
254	1263BK24#2814#spermidine	144	32.824	0.001127079	0.007687041	6.82	0.047
255	1263BK24#2994	351	34.452	0.000185294	0.003193731	17.24	0.003
256	1263BK24#3026	329	34.745	0.000058921	0.000200944	3.41	0.214
257	1263BK24#3026	318	34.745	0.000214221	0.000419535	1.96	0.216
258	1263BK24#3069	338	35.147	0.000097441	0.000093639	0.96	0.903
259	1263BK24#3069	144	35.147	0.000198747	0.000337435	1.70	0.250
260	1263BK24#3137	174	35.772	0.000277977	0.000397167	1.43	0.373
261	1263BK24#3155	174	35.937	0.000290480	0.000282640	0.97	0.932
262	1263BK24#3155	398	35.937	0.000025863	0.000077972	3.01	0.301
263	1263BK24#3171	174	36.084	0.000174821	0.000352990	2.02	0.075
264	1263BK24#3472	204	38.850	0.009123981	0.008728171	0.96	0.840
265	1263BK24#4315	174	46.628	0.000089236	0.000201532	2.26	0.034
266	1263BK24#4440	174	47.803	0.000130254	0.000217921	1.67	0.232
267	1263BK25#0632	86	13.044	0.043851232	0.038969975	0.89	0.891
268	1263BK25#2215	191	27.318	0.025244043	0.247850109	9.82	0.346
269	1263BK25#2215	204	27.318	0.033132172	0.312531092	9.43	0.147
270	1263BK25#3658	267	40.547	0.000164290	0.000519003	3.16	0.418
271	1263BK50#2309	299	28.231	0.003380097	0.003808248	1.13	0.542
272	1263BK50#2309	360	28.231	0.000416627	0.000713588	1.71	0.051
273	1263BK50#2309	494	28.231	0.000055195	0.000112598	2.04	0.037
274	1267BK12#0266	207	9.830	0.060946405	0.021103630	0.35	0.383
275	1267BK12#0266	295	9.830	0.161823737	0.072343239	0.45	0.267
276	1267BK12#0289#lactic	117	10.035	0.002980680	0.001587729	0.53	0.462
277	1267BK12#0289#lactic	219	10.035	0.005331779	0.007919514	1.49	0.282
278	1267BK12#0326	173	10.400	7.213615266	8.656007535	1.20	0.643
279	1267BK12#0362	217	10.685	0.337052512	0.233258333	0.69	0.459
280	1267BK12#0362	202	10.685	2.930516473	1.953303465	0.67	0.636
281	1267BK12#0403#alanine 2	116	11.052	0.061103980	0.064074271	1.05	0.901
282	1267BK12#0422#hydroxylamine	133	11.221	0.166456745	0.094733433	0.57	0.619
283	1267BK12#0422#hydroxylamine	249	11.221	0.551248095	0.521349771	0.95	0.852
284	1267BK12#0494#cy-siloxane 5	267	11.864	0.019957579	0.021907763	1.10	0.509
285	1267BK12#0503	219	11.945	0.168801495	0.108501396	0.64	0.309
286	1267BK12#0503	190	11.945	0.005323078	0.002831125	0.53	0.627
287	1267BK12#0516	235	12.061	0.064594202	0.031705106	0.49	0.373
288	1267BK12#0531	142	12.194	0.039295150	0.099808981	2.54	0.077
289	1267BK12#0531	174	12.194	0.007960302	0.000420727	0.05	0.267
290	1267BK12#0616#me-phosphoric 2	241	12.963	0.032555638	0.044964133	1.38	0.301
291	1267BK12#0666#dodecane	85	13.402	1.501045331	1.284268510	0.86	0.200
292	1267BK12#0688	233	13.600	0.007967754	0.002572357	0.32	0.412
293	1267BK12#0707#valine 2	144	13.770	0.091535149	0.184213251	2.01	0.111
294	1267BK12#0707#valine 2	218	13.770	0.013294478	0.027880590	2.10	0.119
295	1267BK12#0725	156	13.931	0.042077555	0.030450486	0.72	0.766
296	1267BK12#0737#siloxane 5	281	14.039	0.014458404	0.012453347	0.86	0.579
297	1267BK12#0784	248	14.459	0.017345998	0.018112096	1.04	0.856
298	1267BK12#0824#serine 2	116	14.818	0.763745687	1.972033818	2.58	0.007
299	1267BK12#0824#serine 2	132	14.818	0.799824239	2.084349360	2.61	0.007
300	1267BK12#0848	415	15.033	0.000264989	0.000526042	1.99	0.276
301	1267BK12#0848	261	15.033	0.000145605	0.000795529	5.46	0.170
302	1267BK12#0858#phosphoric 3	299	15.123	1.980151881	2.618259747	1.32	0.018
303	1267BK12#0858#phosphoric 3	314	15.123	0.349342186	0.606087146	1.73	0.007

304	1267BK12#0909#isoleucine 2	158	15.580	0.038392901	0.076211091	1.99	0.018
305	1267BK12#0909#isoleucine 2	218	15.580	0.006844112	0.012971860	1.90	0.039
306	1267BK12#0917#proline 2	216	15.643	0.000518187	0.000648375	1.25	0.527
307	1267BK12#0917#proline 2	142	15.643	0.014141784	0.017241438	1.22	0.419
308	1267BK12#0923#nicotinic	136	15.697	0.006763623	0.011164121	1.65	0.006
309	1267BK12#0923#nicotinic	180	15.697	0.010514340	0.017050071	1.62	0.010
310	1267BK12#0931#cy-siloxane 6	341	15.777	0.004288978	0.011964445	2.79	0.393
311	1267BK12#0945#maleic	245	15.903	0.003917607	0.004850414	1.24	0.243
312	1267BK12#0945#maleic	147	15.903	0.045326068	0.059714144	1.32	0.088
313	1267BK12#0970#d4-succinic	251	16.127	0.000106409	0.000120899	1.14	0.472
314	1267BK12#0970#d4-succinic	251	16.127	0.000092726	0.000116080	1.25	0.321
315	1267BK12#0970#succinic	147	16.127	0.102302940	0.156763850	1.53	0.027
316	1267BK12#0970#succinic	147	16.127	0.104327076	0.158053640	1.51	0.022
317	1267BK12#0970#succinic	247	16.127	0.010247841	0.015670993	1.53	0.037
318	1267BK12#0970#succinic	247	16.127	0.010567034	0.015673119	1.48	0.046
319	1267BK12#0970#succinic	247	16.127	0.010247841	0.015670993	1.53	0.037
320	1267BK12#0970#succinic	147	16.127	0.102302940	0.156763850	1.53	0.027
321	1267BK12#0998	261	16.379	0.000049907	0.000043932	0.88	0.656
322	1267BK12#0998	147	16.379	0.104327076	0.158053640	1.51	0.022
323	1267BK12#1009#glyceric	189	16.478	0.106050462	0.330412760	3.12	0.002
324	1267BK12#1009#glyceric	292	16.478	0.060615188	0.192156817	3.17	0.003
325	1267BK12#1059#fumaric	147	16.926	0.380333021	0.863587838	2.27	0.038
326	1267BK12#1059#fumaric	245	16.926	0.266209831	0.522324846	1.96	0.017
327	1267BK12#1067	188	16.998	0.129254181	0.226819542	1.75	0.141
328	1267BK12#1082#serine 3	218	17.133	0.277161784	0.689574472	2.49	0.016
329	1267BK12#1102	306	17.313	0.001290396	0.000990467	0.77	0.002
330	1267BK12#1102	233	17.313	0.001116288	0.001220508	1.09	0.212
331	1267BK12#1114	247	17.421	0.002658131	0.004198746	1.58	0.007
332	1267BK12#1143#threonine 3	219	17.681	0.069514280	0.142296835	2.05	0.039
333	1267BK12#1143#threonine 3	291	17.681	0.024259897	0.049308629	2.03	0.039
334	1267BK12#1164	191	17.869	0.001262097	0.001516248	1.20	0.673
335	1267BK12#1175	197	17.968	0.002441256	0.002368281	0.97	0.912
336	1267BK12#1195	174	18.149	0.021048169	0.024218032	1.15	0.533
337	1267BK12#1220	174	18.373	0.039170590	0.046171535	1.18	0.481
338	1267BK12#1237	160	18.526	0.202023432	0.271182232	1.34	0.313
339	1267BK12#1247	247	18.616	0.012176385	0.010792513	0.89	0.196
340	1267BK12#1270	172	18.832	0.000311323	0.000390181	1.25	0.591
341	1267BK12#1278	174	18.895	0.003063287	0.003619930	1.18	0.484
342	1267BK12#1278	168	18.895	0.001498419	0.001835539	1.22	0.303
343	1267BK12#1298	350	19.025	0.004821303	0.006722522	1.39	0.135
344	1267BK12#1303	174	19.120	0.040809104	0.056788043	1.39	0.046
345	1267BK12#1309	174	19.174	0.047465926	0.056788043	1.20	0.368
346	1267BK12#1334	281	19.454	0.020394114	0.049046801	2.40	0.488
347	1267BK12#1345	173	19.498	0.010583796	0.009119736	0.86	0.076
348	1267BK12#1345	103	19.498	0.022410443	0.020398009	0.91	0.396
349	1267BK12#1369	234	19.715	0.008514856	0.009819436	1.15	0.400
350	1267BK12#1390#malic	233	19.916	0.218772765	0.446385597	2.04	0.058
351	1267BK12#1390#malic	335	19.916	0.034063104	0.069601464	2.04	0.043
352	1267BK12#1406#pentadecane	85	20.057	2.282241876	2.046191626	0.90	0.341
353	1267BK12#1410	217	20.105	0.017724263	0.011373815	0.64	0.088
354	1267BK12#1410	293	20.105	0.002435772	0.001791753	0.74	0.155
355	1267BK12#1428	111	20.239	0.006273744	0.008820515	1.41	0.281
356	1267BK12#1428	275	20.239	0.001147771	0.001419216	1.24	0.470
357	1267BK12#1438	237	20.347	0.009047921	0.008099855	0.90	0.367
358	1267BK12#1457#aspartic 3	218	20.518	0.116319145	0.169464507	1.46	0.081
359	1267BK12#1457#aspartic 3	232	20.518	0.638842425	0.957731789	1.50	0.070
360	1267BK12#1457#aspartic 3	306	20.518	0.014960001	0.021413974	1.43	0.098
361	1267BK12#1457#pyroglutamic	156	20.518	4.376125951	4.172515905	0.95	0.882
362	1267BK12#1457#pyroglutamic	258	20.518	0.547264242	1.395284730	2.55	0.003
363	1267BK12#1457#pyroglutamic	230	20.518	0.474995913	1.258247599	2.65	0.003
364	1267BK12#1485	84	20.771	0.175115688	0.297599417	1.70	0.010
365	1267BK12#1492	263	20.834	0.151623679	0.140632507	0.93	0.465
366	1267BK12#1507	292	20.970	0.143155315	0.202552458	1.41	0.307

367	1267BK12#1520	249	21.069	0.000650359	0.001089254	1.67	0.390
368	1267BK12#1547#threonine	292	21.331	0.035462884	0.070931200	2.00	0.059
369	1267BK12#1547#threonine	220	21.331	0.021343512	0.043649227	2.05	0.052
370	1267BK12#1547#threonine	205	21.331	0.020101837	0.040294696	2.00	0.044
371	1267BK12#1569	160	21.529	0.001343871	0.001738511	1.29	0.532
372	1267BK12#1587	205	21.701	0.008941521	0.011202013	1.25	0.193
373	1267BK12#1609	71	21.891	0.149182763	0.085836444	0.58	0.109
374	1267BK12#1609	250	21.891	0.000297817	0.000393337	1.32	0.284
375	1267BK12#1627	342	22.043	0.002151727	0.002332135	1.08	0.557
376	1267BK12#1631#asparagine 4	188	22.088	0.115085142	0.202930492	1.76	0.139
377	1267BK12#1631#asparagine 4	216	22.088	0.082515668	0.144087756	1.75	0.137
378	1267BK12#1631#asparagine 4	231	22.088	0.022517989	0.046029916	2.04	0.041
379	1267BK12#1674#glutamic 3	246	22.477	0.856551257	0.874560466	1.02	0.947
380	1267BK12#1674#glutamic 3	363	22.477	0.022608567	0.023683095	1.05	0.886
381	1267BK12#1680#phenylalanine 2	192	22.532	0.033685807	0.064651743	1.92	0.013
382	1267BK12#1680#phenylalanine 2	266	22.532	0.002538283	0.005096787	2.01	0.010
383	1267BK12#1733	245	23.010	0.005649754	0.008248217	1.46	0.109
384	1267BK12#1751#xylose MX2	307	23.173	0.022507488	0.027094815	1.20	0.061
385	1267BK12#1751#xylose MX2	217	23.173	0.043393485	0.052826860	1.22	0.037
386	1267BK12#1765#arabinose MX2	307	23.299	0.018573591	0.017124508	0.92	0.809
387	1267BK12#1765#arabinose MX2	160	23.299	0.010597522	0.008246569	0.78	0.433
388	1267BK12#1779#asparagine 3	116	23.426	0.282012845	0.780298206	2.77	0.115
389	1267BK12#1779#asparagine 3	188	23.426	0.095610652	0.269780555	2.82	0.122
390	1267BK12#1794#ribose MX	307	23.570	0.012506332	0.019559516	1.56	0.281
391	1267BK12#1794#ribose MX	160	23.570	0.004602592	0.007366415	1.60	0.254
392	1267BK12#1809	307	23.706	0.012506332	0.019559516	1.56	0.281
393	1267BK12#1824	295	23.832	0.001936081	0.002323383	1.20	0.800
394	1267BK12#1824	202	23.824	0.004095860	0.002961997	0.72	0.007
395	1267BK12#1827	307	23.860	0.002942584	0.002072290	0.70	0.232
396	1267BK12#1837	290	23.914	0.001564579	0.001192005	0.76	0.039
397	1267BK12#1846	133	24.032	0.110275813	0.088195913	0.80	0.070
398	1267BK12#1849	202	24.059	0.006868584	0.009215052	1.34	0.669
399	1267BK12#1859	242	24.149	0.000645666	0.000801772	1.24	0.198
400	1267BK12#1859	334	24.149	0.000898422	0.000826560	0.92	0.102
401	1267BK12#1870#rhamnose MX1	117	24.249	0.015807126	0.019407563	1.23	0.098
402	1267BK12#1870#rhamnose MX1	160	24.249	0.002877279	0.003413436	1.19	0.224
403	1267BK12#1877	307	24.313	0.691198404	0.685480519	0.99	0.277
404	1267BK12#1885#ribitol	422	24.385	0.040775321	0.040699344	1.00	0.940
405	1267BK12#1885#ribitol	319	24.385	0.999813081	0.999164064	1.00	0.533
406	1267BK12#1885#ribitol TMS	319	24.395	1.000000000	1.000000000	1.00	#DIV/0!
407	1267BK12#1885#ribitol TMS	319	24.395	0.999813081	0.999164064	1.00	0.533
408	1267BK12#1885#ribitol TMS	307	24.395	0.691152815	0.685480519	0.99	0.281
409	1267BK12#1885#ribitol TMS	307	24.395	0.691198404	0.685480519	0.99	0.277
410	1267BK12#1885#ribitol TMS	422	24.395	0.040775321	0.040705833	1.00	0.945
411	1267BK12#1885#ribitol TMS	422	24.395	0.040775321	0.040699344	1.00	0.940
412	1267BK12#1896#putrescine 4	174	24.487	0.856353541	4.359915689	5.09	0.001
413	1267BK12#1903	416	24.559	0.000516716	0.002398234	4.64	0.288
414	1267BK12#1908	133	24.595	0.081123796	0.056854867	0.70	0.002
415	1267BK12#1916	205	24.676	0.015565423	0.012590099	0.81	0.544
416	1267BK12#1918	392	24.685	0.004569766	0.004040860	0.88	0.153
417	1267BK12#1918	392	24.685	0.004974727	0.005593127	1.12	0.357
418	1267BK12#1925	292	24.749	0.019555078	0.027067173	1.38	0.051
419	1267BK12#1925	465	24.749	0.000025311	0.000020236	0.80	0.498
420	1267BK12#1940	292	24.884	0.019555078	0.027067173	1.38	0.051
421	1267BK12#1940	333	24.884	0.016919691	0.022551569	1.33	0.065
422	1267BK12#1946	133	24.948	0.068390211	0.084170873	1.23	0.656
423	1267BK12#1953	346	25.012	0.000495264	0.000417699	0.84	0.563
424	1267BK12#1953	133	25.012	0.189525744	0.120475624	0.64	0.000
425	1267BK12#1961	422	25.079	0.013438069	0.012643018	0.94	0.297
426	1267BK12#1961	116	25.079	0.058172886	0.041826566	0.72	0.007
427	1267BK12#1967	276	25.124	0.015772863	0.014645802	0.93	0.398
428	1267BK12#1967	392	25.124	0.066549960	0.064261488	0.97	0.587
429	1267BK12#1967	302	25.124	0.017369342	0.018451069	1.06	0.496

430	1267BK12#1970	319	25.166	0.007529586	0.009203670	1.22	0.143
431	1267BK12#1970	275	25.166	0.000296326	0.000369863	1.25	0.160
432	1267BK12#1970	392	25.166	0.066511322	0.064261488	0.97	0.595
433	1267BK12#1997	392	25.401	0.003725270	0.003479394	0.93	0.623
434	1267BK12#2001	436	25.437	0.000215625	0.001010320	4.69	0.014
435	1267BK12#2008	292	25.501	0.029621927	0.015095877	0.51	0.487
436	1267BK12#2019	312	25.595	0.001867986	0.003302020	1.77	0.024
437	1267BK12#2025	392	25.655	0.017313398	0.016734836	0.97	0.918
438	1267BK12#2025	249	25.655	0.000342705	0.000463123	1.35	0.142
439	1267BK12#2030	392	25.709	0.022449514	0.020729450	0.92	0.401
440	1267BK12#2030	317	25.709	0.002174931	0.003001770	1.38	0.491
441	1267BK12#2038	292	25.782	0.003181102	0.006495016	2.04	0.007
442	1267BK12#2038	333	25.782	0.003814488	0.007069956	1.85	0.009
443	1267BK12#2053	244	25.909	0.008634563	0.005461757	0.63	0.295
444	1267BK12#2062#shikimic	204	25.990	0.092941606	0.100016542	1.08	0.697
445	1267BK12#2062#shikimic	462	25.990	0.000570554	0.000537172	0.94	0.543
446	1267BK12#2062#shikimic	372	25.990	0.000613749	0.000911344	1.48	0.514
447	1267BK12#2074#citric	375	26.100	0.058736565	0.082847326	1.41	0.092
448	1267BK12#2074#citric	273	26.100	0.329882143	0.468537783	1.42	0.080
449	1267BK12#2081#isocitric	319	26.172	0.011126896	0.011449582	1.03	0.912
450	1267BK12#2087	304	26.208	0.004438611	0.005209561	1.17	0.330
451	1267BK12#2114	316	26.461	0.000961957	0.024151706	25.11	0.000
452	1267BK12#2114	206	26.461	0.004789721	0.002789309	0.58	0.028
453	1267BK12#2124#dehydroascorbic	316	26.552	0.023580639	0.024151706	1.02	0.803
454	1267BK12#2124#dehydroascorbic	173	26.552	0.063278983	0.065481849	1.03	0.710
455	1267BK12#2124#dehydroascorbic	157	26.552	0.051897490	0.055038524	1.06	0.258
456	1267BK12#2145#quinic	255	26.743	0.000775365	0.000755714	0.97	0.935
457	1267BK12#2145#quinic	345	26.743	0.001075478	0.000502031	0.47	0.068
458	1267BK12#2151	260	26.798	0.004125547	0.003886802	0.94	0.791
459	1267BK12#2162	149	26.924	0.132117881	0.100180593	0.76	0.121
460	1267BK12#2171#fru MX1	307	26.980	7.292731572	6.537615174	0.90	0.398
461	1267BK12#2171#fru MX1	569	26.980	0.044512292	0.051834084	1.16	0.666
462	1267BK12#2177	389	27.026	0.001851318	0.001726123	0.93	0.902
463	1267BK12#2177	157	27.026	0.189508675	0.261720028	1.38	0.548
464	1267BK12#2181	307	27.082	6.544848253	5.898442369	0.90	0.695
465	1267BK12#2181	245	27.082	0.026000857	0.040848753	1.57	0.337
466	1267BK12#2190#fru MX2	307	27.154	6.164889793	4.967592894	0.81	0.400
467	1267BK12#2190#fru MX2	569	27.154	0.064266447	0.060287327	0.94	0.619
468	1267BK12#2196#man MX	160	27.208	0.032084538	0.045661305	1.42	0.325
469	1267BK12#2196#man MX	319	27.208	0.112572451	0.184917880	1.64	0.311
470	1267BK12#2216#glc MX1	160	27.390	3.735662814	5.305941687	1.42	0.179
471	1267BK12#2216#glc MX1	466	27.390	0.069419688	0.078918037	1.14	0.045
472	1267BK12#2220#nonadecane	85	27.429	3.273820273	2.930214653	0.90	0.315
473	1267BK12#2237#tyramine	174	27.591	0.014517794	0.017344755	1.19	0.064
474	1267BK12#2237#tyramine	338	27.591	0.000934898	0.000988794	1.06	0.489
475	1267BK12#2248#glc MX2	160	27.691	1.542994424	1.754981536	1.14	0.046
476	1267BK12#2248#glc MX2	319	27.691	2.480723371	2.673432694	1.08	0.156
477	1267BK12#2259	242	27.791	0.002555075	0.001987936	0.78	0.372
478	1267BK12#2259	389	27.791	0.000881970	0.000632068	0.72	0.220
479	1267BK12#2265	244	27.846	0.003842063	0.004195799	1.09	0.518
480	1267BK12#2270	362	27.891	0.001844148	0.002567003	1.39	0.380
481	1267BK12#2285	229	28.027	0.002198128	0.003103619	1.41	0.269
482	1267BK12#2285	330	28.027	0.000832283	0.000758149	0.91	0.483
483	1267BK12#2290#tyrosine	354	28.073	0.001636269	0.004729131	2.89	0.050
484	1267BK12#2298	404	28.137	0.001176818	0.002040615	1.73	0.287
485	1267BK12#2298	244	28.137	0.021208868	0.028807132	1.36	0.095
486	1267BK12#2309#L-ascorbic	332	28.246	0.001353888	0.002169299	1.60	0.022
487	1267BK12#2309#L-ascorbic	449	28.246	0.004217039	0.016733171	3.97	0.081
488	1267BK12#2309#L-ascorbic	464	28.246	0.000599348	0.001484287	2.48	0.128
489	1267BK12#2320#D-isoascorbic	332	28.348	0.001031248	0.001325831	1.29	0.393
490	1267BK12#2320#D-isoascorbic	332	28.348	0.001031248	0.001325831	1.29	0.393
491	1267BK12#2320#D-isoascorbic	449	28.348	0.008606248	0.016733171	1.94	0.214
492	1267BK12#2320#D-isoascorbic	449	28.348	0.008606248	0.016730413	1.94	0.215

493	1267BK12#2320#D-isoascorbic	464	28.348	0.000569894	0.000935637	1.64	0.188
494	1267BK12#2320#D-isoascorbic	464	28.348	0.000569894	0.000690806	1.21	0.694
495	1267BK12#2320#D-isoascorbic	332	28.348	0.001031248	0.001325831	1.29	0.393
496	1267BK12#2320#D-isoascorbic	464	28.348	0.000569894	0.000690806	1.21	0.694
497	1267BK12#2325	299	28.396	0.023264760	0.015171192	0.65	0.060
498	1267BK12#2336	420	28.496	0.000968962	0.000536788	0.55	0.001
499	1267BK12#2336	330	28.496	0.000363232	0.000223638	0.62	0.021
500	1267BK12#2341	420	28.550	0.000252389	0.000440137	1.74	0.063
501	1267BK12#2354	394	28.668	0.000081681	0.000109243	1.34	0.429
502	1267BK12#2364#c-caffeic	219	28.750	0.001439284	0.001311317	0.91	0.807
503	1267BK12#2364#c-caffeic	396	28.750	0.000082954	0.000097274	1.17	0.511
504	1267BK12#2364#c-caffeic	381	28.750	0.000085429	0.000056756	0.66	0.253
505	1267BK12#2370	204	28.806	0.035870846	0.060341147	1.68	0.077
506	1267BK12#2384	332	28.942	0.001058210	0.001377975	1.30	0.392
507	1267BK12#2384	190	28.942	0.001815158	0.004153461	2.29	0.171
508	1267BK12#2396	447	29.051	0.006185104	0.009049917	1.46	0.403
509	1267BK12#2401	190	29.079	0.001421102	0.002258087	1.59	0.504
510	1267BK12#2401	230	29.079	0.001206555	0.001102547	0.91	0.865
511	1267BK12#2412	206	29.188	0.007443491	0.005135343	0.69	0.020
512	1267BK12#2412	116	29.188	0.005371429	0.004490569	0.84	0.151
513	1267BK12#2436	174	29.406	0.026248302	0.036494335	1.39	0.356
514	1267BK12#2455	319	29.578	0.163341680	0.183357548	1.12	0.275
515	1267BK12#2463	373	29.652	0.000172313	0.000339220	1.97	0.324
516	1267BK12#2476#16:0	313	29.770	0.055545269	0.057454716	1.03	0.820
517	1267BK12#2483	360	29.833	0.000427618	0.000626865	1.47	0.022
518	1267BK12#2512	484	30.097	0.000057154	0.000114459	2.00	0.017
519	1267BK12#2527#dopamine	174	30.234	0.000443875	0.001429061	3.22	0.090
520	1267BK12#2527#dopamine	426	30.234	0.000027763	0.000039951	1.44	0.629
521	1267BK12#2537	288	30.326	0.000586775	0.000490347	0.84	0.477
522	1267BK12#2548#myo-ino	507	30.426	0.021396069	0.029912289	1.40	0.008
523	1267BK12#2548#myo-ino	305	30.426	0.687599456	0.965549349	1.40	0.002
524	1267BK12#2559	262	30.527	0.001030499	0.000602397	0.58	0.153
525	1267BK12#2559	205	30.527	0.078110895	0.051974148	0.67	0.472
526	1267BK12#2560#t-ferulic	338	30.536	0.000648971	0.000972664	1.50	0.228
527	1267BK12#2560#t-ferulic	249	30.536	0.000510919	0.000505966	0.99	0.969
528	1267BK12#2560#t-ferulic	323	30.536	0.000440950	0.000597456	1.35	0.163
529	1267BK12#2584	373	30.756	0.000509346	0.001793512	3.52	0.263
530	1267BK12#2589	319	30.784	0.029255627	0.030866467	1.06	0.682
531	1267BK12#2609	319	30.975	0.009082641	0.012631657	1.39	0.119
532	1267BK12#2620	352	31.102	0.000082259	0.000438051	5.33	0.298
533	1267BK12#2633#t-caffeic	396	31.194	0.000318820	0.000333270	1.05	0.825
534	1267BK12#2633#t-caffeic	219	31.194	0.000907492	0.001094354	1.21	0.263
535	1267BK12#2633#t-caffeic	381	31.194	0.000090482	0.000142942	1.58	0.158
536	1267BK12#2639	319	31.258	0.008631861	0.006471253	0.75	0.594
537	1267BK12#2660#noradrenalin 5	174	31.449	0.000961694	0.003946458	4.10	0.002
538	1267BK12#2685	364	31.686	0.000649167	0.000465942	0.72	0.002
539	1267BK12#2685	230	31.686	0.000919369	0.000820804	0.89	0.352
540	1267BK12#2715	249	31.950	0.006147176	0.044416893	7.23	0.001
541	1267BK12#2715	204	31.950	0.075417655	0.484476112	6.42	0.001
542	1267BK12#2723	218	32.024	0.003104077	0.020635498	6.65	0.000
543	1267BK12#2723	235	32.024	0.001274926	0.004022275	3.15	0.003
544	1267BK12#2734#docosane	85	32.126	3.007392243	2.789085955	0.93	0.431
545	1267BK12#2738	357	32.166	0.000125950	0.000560270	4.45	0.189
546	1267BK12#2738	445	32.166	0.000083976	0.000219468	2.61	0.171
547	1267BK12#2742#tryptophan 2	202	32.204	0.001709694	0.011918790	6.97	0.043
548	1267BK12#2742#tryptophan 2	391	32.204	0.000128436	0.000529815	4.13	0.027
549	1267BK12#2742#tryptophan 2	278	32.204	0.000246481	0.000832988	3.38	0.019
550	1267BK12#2758#tryptophan 3	202	32.350	0.006230571	0.103431649	16.60	0.039
551	1267BK12#2758#tryptophan 3	291	32.350	0.000869506	0.010600137	12.19	0.048
552	1267BK12#2758#tryptophan 3	200	32.350	0.000220292	0.002971100	13.49	0.032
553	1267BK12#2801#18:0	341	32.742	0.051430696	0.057119073	1.11	0.476
554	1267BK12#2809#t-sinapic	368	32.815	0.041530659	0.064086073	1.54	0.128
555	1267BK12#2809#t-sinapic	338	32.815	0.041804017	0.065989569	1.58	0.125



556	1267BK12#2809##t-sinapic	353	32.815	0.021715078	0.033960258	1.56	0.135
557	1267BK12#2822	159	32.933	0.013795147	0.011557966	0.84	0.314
558	1267BK12#2822	286	32.933	0.001912988	0.001680834	0.88	0.528
559	1267BK12#2859	290	33.272	0.009520918	0.015769130	1.66	0.115
560	1267BK12#2859	319	33.272	0.004478595	0.007063248	1.58	0.138
561	1267BK12#2881	263	33.472	0.000362471	0.000371684	1.03	0.874
562	1267BK12#2881	259	33.472	0.000084188	0.000176543	2.10	0.118
563	1267BK12#2907	328	33.719	0.005549476	0.005472723	0.99	0.975
564	1267BK12#2908##fru-6-P MX	315	33.718	0.003863714	0.004660282	1.21	0.703
565	1267BK12#2908##fru-6-P MX	260	33.718	0.000352318	0.000466703	1.32	0.477
566	1267BK12#2921	173	33.820	0.000584262	0.001069643	1.83	0.025
567	1267BK12#2926##glc-6-P MX1	387	33.892	0.011519779	0.014700051	1.28	0.638
568	1267BK12#2944	277	34.057	0.000100991	0.000122207	1.21	0.585
569	1267BK12#2944	204	34.057	0.002335260	0.003102021	1.33	0.134
570	1267BK12#2953##glc-6-P MX2	387	34.131	0.002349542	0.002896190	1.23	0.678
571	1267BK12#2958	417	34.177	0.000522481	0.001053928	2.02	0.147
572	1267BK12#2958	489	34.177	0.000208993	0.000558197	2.67	0.037
573	1267BK12#2975	331	34.332	0.002452767	0.004541886	1.85	0.023
574	1267BK12#2975	204	34.332	0.002095896	0.011104261	5.30	0.029
575	1267BK12#2975	172	34.332	0.000997353	0.001018901	1.02	0.942
576	1267BK12#2980	331	34.379	0.003170117	0.004594780	1.45	0.090
577	1267BK12#2980	262	34.379	0.001994406	0.002242115	1.12	0.319
578	1267BK12#2980	421	34.379	0.001618662	0.001689186	1.04	0.761
579	1267BK12#3007	351	34.626	0.000159764	0.000862432	5.40	0.002
580	1267BK12#3007	204	34.626	0.028017173	0.035172756	1.26	0.250
581	1267BK12#3014	292	34.690	0.007600751	0.010623537	1.40	0.333
582	1267BK12#3014	204	34.690	0.025303970	0.052556429	2.08	0.002
583	1267BK12#3034	91	34.872	0.002003565	0.002193475	1.09	0.812
584	1267BK12#3034	204	34.872	0.011921669	0.017764065	1.49	0.645
585	1267BK12#3058	356	35.138	0.001461630	0.001372018	0.94	0.899
586	1267BK12#3058	262	35.138	0.001059762	0.000922184	0.87	0.745
587	1267BK12#3061##myo-ino-2-P 1	318	35.131	0.002352879	0.003330168	1.42	0.322
588	1267BK12#3081	159	35.302	0.000211337	0.000365758	1.73	0.100
589	1267BK12#3097	245	35.458	0.000607493	0.000726309	1.20	0.644
590	1267BK12#3097	360	35.458	0.000390829	0.000610968	1.56	0.192
591	1267BK12#3118	430	35.642	0.000659834	0.001121096	1.70	0.248
592	1267BK12#3118	360	35.642	0.000518449	0.001049882	2.03	0.163
593	1267BK12#3179	204	36.200	0.009212845	0.025786740	2.80	0.030
594	1267BK12#3179	247	36.200	0.000095386	0.000337038	3.53	0.018
595	1267BK12#3189	105	36.292	0.000643698	0.001135313	1.76	0.004
596	1267BK12#3189	356	36.292	0.001013467	0.001113641	1.10	0.814
597	1267BK12#3189	223	36.292	0.000259544	0.000380960	1.47	0.134
598	1267BK12#3203	321	36.419	0.012890121	0.024391613	1.89	0.018
599	1267BK12#3203	204	36.419	0.077775652	0.152331975	1.96	0.008
600	1267BK12#3203	361	36.419	0.004880723	0.009468757	1.94	0.005
601	1267BK12#3258	219	36.923	0.008338252	0.007847700	0.94	0.646
602	1267BK12#3278	290	37.107	0.000073101	0.000179050	2.45	0.127
603	1267BK12#3283	304	37.144	0.000057402	0.000097453	1.70	0.251
604	1267BK12#3283	175	37.144	0.000194833	0.000211520	1.09	0.761
605	1267BK12#3302	361	37.336	0.006505600	0.006356158	0.98	0.904
606	1267BK12#3302	267	37.336	0.000065438	0.000150632	2.30	0.096
607	1267BK12#3317	254	37.465	0.000102190	0.000123682	1.21	0.611
608	1267BK12#3323	535	37.520	0.000065294	0.000121493	1.86	0.103
609	1267BK12#3382##sucrose	437	38.090	0.412375164	0.370945517	0.90	0.641
610	1267BK12#3386##sucrose	451	38.099	0.165775244	0.144021970	0.87	0.544
611	1267BK12#3391	423	38.169	0.003536415	0.003777289	1.07	0.669
612	1267BK12#3431	204	38.510	0.005987149	0.014289359	2.39	0.015
613	1267BK12#3467	450	38.859	0.000082516	0.000155624	1.89	0.155
614	1267BK12#3487	204	39.034	0.011299336	0.012066705	1.07	0.513
615	1267BK12#3515##maltose MX1	204	39.300	0.019933848	0.013874373	0.70	0.237
616	1267BK12#3515##maltose MX1	160	39.300	0.002099131	0.001873947	0.89	0.696
617	1267BK12#3522##trehalose	191	39.356	0.008214617	0.005275477	0.64	0.014
618	1267BK12#3559	193	39.695	0.001221754	0.001517274	1.24	0.293

619	1267BK12#3586	105	39.944	0.105813392	0.099029082	0.94	0.416
620	1267BK12#3586	179	39.944	0.154625292	0.134698135	0.87	0.300
621	1267BK12#3594#octacosane	85	40.018	2.663978829	2.445840887	0.92	0.364
622	1267BK12#3622	277	40.279	0.000109378	0.000069739	0.64	0.327
623	1267BK12#3633	450	40.380	0.000095210	0.000126425	1.33	0.479
624	1267BK12#3668	345	40.730	0.000060512	0.000139212	2.30	0.103
625	1267BK12#3668	175	40.730	0.000088620	0.000178656	2.02	0.008
626	1267BK12#3674	312	40.766	0.000030299	0.000083708	2.76	0.004
627	1267BK12#3674	219	40.766	0.000529648	0.000728425	1.38	0.247
628	1267BK12#3721	280	41.199	0.000063634	0.000088429	1.39	0.519
629	1267BK12#3768	191	41.631	0.001637100	0.000521658	0.32	0.002
630	1267BK12#3768	204	41.631	0.001869732	0.000895448	0.48	0.023
631	1267BK12#3775	289	41.688	0.000157615	0.000126178	0.80	0.630
632	1267BK12#3802	345	41.945	0.000101903	0.000138415	1.36	0.224
633	1267BK12#3802	249	41.945	0.000117198	0.000103780	0.89	0.664
634	1267BK12#3821	249	42.130	0.000112661	0.000084760	0.75	0.242
635	1267BK12#3827	204	42.167	0.004199844	0.053825408	12.82	0.000
636	1267BK12#3827	191	42.167	0.001174274	0.013782674	11.74	0.000
637	1267BK12#3827	433	42.167	0.000215917	0.002399140	11.11	0.001
638	1267BK12#3841#3-c-caffeoquinic	345	42.296	0.000092446	0.000407143	4.40	0.000
639	1267BK12#3841#3-c-caffeoquinic	255	42.296	0.000087864	0.000137486	1.56	0.211
640	1267BK12#3856	204	42.434	0.214145506	0.227806868	1.06	0.619
641	1267BK12#3856	433	42.434	0.005657126	0.006101961	1.08	0.562
642	1267BK12#3856	191	42.434	0.039276585	0.041658045	1.06	0.634
643	1267BK12#3858#5-c-caffeoquinic	345	42.462	0.001044927	0.001121755	1.07	0.461
644	1267BK12#3858#5-c-caffeoquinic	447	42.453	0.000021822	0.000042236	1.94	0.327
645	1267BK12#3865#4-c-caffeoquinic	307	42.517	0.001125220	0.001230789	1.09	0.286
646	1267BK12#3865#4-c-caffeoquinic	489	42.517	0.000024681	0.000095416	3.87	0.346
647	1267BK12#3930	396	43.127	0.000026467	0.000050106	1.89	0.178
648	1267BK12#3930	219	43.127	0.001037305	0.002090067	2.01	0.031
649	1267BK12#3954	396	43.339	0.000037693	0.000051578	1.37	0.569
650	1267BK12#3954	219	43.339	0.001495003	0.000352036	0.24	0.008
651	1267BK12#3963	345	43.431	0.000133911	0.000074635	0.56	0.337
652	1267BK12#3963	396	43.431	0.000028275	0.000039209	1.39	0.639
653	1267BK12#3987#3-t-caffeoquinic	345	43.644	0.000067951	0.000072495	1.07	0.815
654	1267BK12#3987#3-t-caffeoquinic	255	43.644	0.000061748	0.000149499	2.42	0.248
655	1267BK12#3996	204	43.730	0.033506653	0.198662566	5.93	0.225
656	1267BK12#3996	363	43.730	0.003295647	0.002768283	0.84	0.735
657	1267BK12#4004	597	43.806	0.001254154	0.010174563	8.11	0.228
658	1267BK12#4045	249	44.176	0.000226017	0.000201270	0.89	0.702
659	1267BK12#4045	255	44.176	0.000142946	0.000095944	0.67	0.367
660	1267BK12#4062#4-t-caffeoquinic	307	44.343	0.000081705	0.000095391	1.17	0.555
661	1267BK12#4062#4-t-caffeoquinic	489	44.343	0.000033650	0.000047549	1.41	0.045
662	1267BK12#4075#dotriacontane	85	44.468	2.536579427	2.318388782	0.91	0.333
663	1267BK12#4085#5-t-caffeoquinic	307	44.565	0.000093254	0.000073735	0.79	0.478
664	1267BK12#4085#5-t-caffeoquinic	447	44.565	0.000023114	0.000041228	1.78	0.285
665	1267BK12#4096	204	44.658	0.000898563	0.000775069	0.86	0.776
666	1267BK12#4096	345	44.658	0.000064486	0.000072585	1.13	0.534
667	1267BK12#4175	279	45.399	0.000410620	0.000319980	0.78	0.499
668	1267BK12#4175	255	45.399	0.000077916	0.000091581	1.18	0.597
669	1267BK12#4278	361	46.352	0.000055761	0.067810798	1216.10	0.039
670	1267BK12#4278	450	46.352	0.000099440	0.000399582	4.02	0.062
671	1267BK12#4278	319	46.352	0.000067386	0.003797904	56.36	0.067
672	1267BK12#4302	441	46.585	0.011938446	0.024145215	2.02	0.036
673	1267BK12#4500#hexatriacontane	85	48.418	2.253663135	2.019277603	0.90	0.297
674	1267BK14#3416	204	38.418	0.010473591	0.010510450	1.00	0.984
675	1267BK14#3416	217	38.418	0.004546111	0.004466381	0.98	0.839
676	1267BK14#3416	451	38.418	0.000161087	0.000137816	0.86	0.633
677	1267BK14#3416	361	38.418	0.002535984	0.001971635	0.78	0.251
678	1267BK38#3430	204	38.538	0.005987149	0.014289359	2.39	0.015
679	1267BK38#3430	361	38.538	0.000715191	0.001316730	1.84	0.033
680	1267BK38#3430	423	38.538	0.000317347	0.000515367	1.62	0.040
681	1267BK38#3466	361	38.873	0.010850816	0.011908194	1.10	0.676

682	1267BK38#3466	423	38.873	0.000027654	0.000066581	2.41	0.260
683	1267BK38#3466	217	38.873	0.021370673	0.024016866	1.12	0.328
684	1267BK38#4348	259	47.146	0.000068991	0.000060378	0.88	0.565
685	1267BK38#4348	217	47.146	0.000239140	0.000192672	0.81	0.235
686	1267BK38#4348	349	47.146	0.000036165	0.000043157	1.19	0.718
687	1267BK38#4360	361	47.254	0.000055754	0.000064478	1.16	0.630
688	1267BK38#4360	204	47.254	0.000197420	0.000133737	0.68	0.193
689	1267BK38#4360	271	47.254	0.000079482	0.000097830	1.23	0.619
690	1283BV06#2056#glyceric-3-P	357	25.932	0.001588390	0.001045512	0.66	0.098
691	1286BU03#0764#norvaline 2	144	14.409	0.000673964	0.000560623	0.83	0.780
692	1286BU03#0764#norvaline 2	218	14.409	0.003703262	0.019008182	5.13	0.462
693	1286BU04#2069#isocitric	245	26.178	0.002765547	0.003473185	1.26	0.341
694	1286BU04#2069#isocitric	375	26.178	0.058736565	0.073399317	1.25	0.491
695	1286BU07#2401#saccharic	292	29.206	0.002861644	0.021954225	7.67	0.318
696	1286BU08#2094	160	26.428	0.010063942	0.008676781	0.86	0.152
697	1286BU08#2094	334	26.428	0.000227647	0.000299691	1.32	0.388
698	1286BU08#2094	189	26.428	0.003095944	0.002597894	0.84	0.598
699	1286BU08#2283#galacturonic MX1	160	28.162	0.002948221	0.026696218	9.06	0.371
700	1286BU08#2314#galacturonic MX2	160	28.449	0.001765198	0.002483189	1.41	0.569
701	1286BU10#2380#gluconic	333	29.046	0.014004532	0.030409099	2.17	0.419
702	1286BU10#2380#gluconic	292	29.046	0.026386500	0.042688456	1.62	0.251
703	1286BU10#2380#gluconic	423	29.046	0.001410423	0.003562837	2.53	0.480
704	1286BU10#2380#gluconic	433	29.046	0.002546572	0.004758049	1.87	0.198
705	1286BU13#1452#g-aminobutyric 3	174	20.640	0.363486949	0.849984040	2.34	0.000
706	1286BU13#1452#g-aminobutyric 3	304	20.640	0.069650179	0.164855569	2.37	0.000
707	1310BK02#3728#d-tocopherol	474+475	41.175	0.000069785	0.000074327	1.07	0.916
708	1310BK02#3728#d-tocopherol	208	41.175	0.000175211	0.000246024	1.40	0.274
709	1310BK02#3834#b-tocopherol	488+489	42.144	0.000056905	0.000087252	1.53	0.611
710	1310BK02#3834#b-tocopherol	223	42.144	0.000132137	0.000100527	0.76	0.312
711	1310BK02#3848#g-tocopherol	488+489	42.273	0.000052569	0.000053640	1.02	0.962
712	1310BK02#3848#g-tocopherol	223	42.273	0.000120184	0.000127288	1.06	0.909
713	1310BK02#4014#a-tocopherol	502+503	43.815	0.000059577	0.000125386	2.10	0.508
714	1310BK02#4014#a-tocopherol	237	43.815	0.000052748	0.000128933	2.44	0.206
715	1310BK02#4065#a-tocopherolacet	430	44.291	0.000065590	0.000064575	0.98	0.970
716	1310BK02#4065#a-tocopherolacet	165	44.291	0.000153141	0.000166862	1.09	0.797
717	1323AU19#2803#myo-ino-1-P 1	299	35.149	0.001325619	0.001943149	1.47	0.257
718	1323AU19#2803#myo-ino-1-P 1	318	35.149	0.002352879	0.003330168	1.42	0.322
719	1323AU19#2803#myo-ino-1-P 1	387	35.149	0.000784256	0.001033455	1.32	0.347
720	1323AU19#2897#myo-ino-1-P 2	318	35.928	0.000079990	0.000143340	1.79	0.095
721	1323AU19#2897#myo-ino-1-P 2	387	35.928	0.000060497	0.000161655	2.67	0.271
722	1323AU19#2897#myo-ino-1-P 2	494	35.928	0.000023571	0.000044201	1.88	0.368
723	1323AU30#3400#isomaltose	361	40.963	0.001388610	0.004594730	3.31	0.129
724	1323AU30#3400#isomaltose	160	40.963	0.000615517	0.001537925	2.50	0.101
725	1323AU30#3400#isomaltose	480	40.963	0.000069024	0.000226014	3.27	0.106
726	1323AU39#2079#ononitol	265	28.275	0.000593390	0.000711186	1.20	0.094
727	1323AU39#2079#ononitol	318	28.275	0.001757932	0.001864153	1.06	0.761
728	1323AU39#2079#ononitol	507	28.275	0.000128916	0.000157896	1.22	0.420
729	1324BK14#2728#glc-6-P MX1	160	33.886	0.006048712	0.007203768	1.19	0.722
730	1324BK14#2752#glc-6-P MX2	299	34.122	0.002810696	0.003388484	1.21	0.740
731	1324BK14#2752#glc-6-P MX2	471	34.122	0.000241987	0.000367318	1.52	0.211
732	1324BK16#2662#fru-6-P MX	459	33.716	0.000326834	0.000516800	1.58	0.356
733	1324BK20#2928#gluconic-6-P	299	35.281	0.000074782	0.000055004	0.74	0.316
734	1324BK20#2928#gluconic-6-P	387	35.281	0.000412217	0.000069217	0.17	0.109
735	1324BK22#2721#man-6-P MX1	387	33.720	0.002437315	0.002638039	1.08	0.858
736	1324BK22#2721#man-6-P MX1	160	33.720	0.002178325	0.002152622	0.99	0.977
737	1324BK22#2739#man-6-P MX2	387	33.893	0.011519779	0.014700051	1.28	0.638
738	1324BK23#1767#glyceral-3-P MX1	384	24.156	0.000039857	0.000024404	0.61	0.051
739	1324BK23#1767#glyceral-3-P MX1	299	24.156	0.000114471	0.000353545	3.09	0.012
740	1324BK23#1792#glyceral-3-P MX2	328	24.394	0.000139233	0.000457887	3.29	0.123
741	1324BK23#1792#glyceral-3-P MX2	299	24.395	0.000155311	0.000193555	1.25	0.704
742	1324BK24#1877#glycerol-1-P	357	25.120	0.001658392	0.006320778	3.81	0.039
743	1324BK24#1877#glycerol-1-P	299	25.120	0.002198440	0.007656772	3.48	0.055
744	1324BK31#2823#myo-ino-2-P 1	387	35.131	0.000788849	0.001048557	1.33	0.347

745	1324BK31#2898#myo-ino-2-P 2	387	35.873	0.000049787	0.000118429	2.38	0.045
746	1324BK31#2898#myo-ino-2-P 2	318	35.873	0.000058567	0.000158435	2.71	0.003
747	1325BK16#0403#d4-alanine 2	120	11.028	0.010784419	0.011141080	1.03	0.951
748	1325BK16#0914#g-aminobutyric 2	102	15.830	0.021054177	0.024262231	1.15	0.866
749	1325BK16#0914#g-aminobutyric 2	232	15.830	0.002992716	0.002343231	0.78	0.636
750	1325BK16#1034	266	16.936	0.361557698	0.426607879	1.18	0.653
751	1325BK16#1034	192	16.936	2.124329774	2.455431088	1.16	0.594
752	1325BK16#1302	338	19.407	0.020131921	0.028971223	1.44	0.235
753	1325BK16#1302	236	19.407	0.201825381	0.284832137	1.41	0.285
754	1325BK16#1308	232	19.462	0.011705889	0.023620908	2.02	0.037
755	1325BK16#1403	283	20.347	0.004555395	0.004153824	0.91	0.443
756	1325BK16#1537	247	21.624	0.002499135	0.006724143	2.69	0.013
757	1325BK16#1537	349	21.624	0.000534463	0.001278775	2.39	0.024
758	1325BK16#1546	306	21.692	0.008027810	0.009885129	1.23	0.258
759	1325BK16#1552	142	21.757	0.016411742	0.036245155	2.21	0.026
760	1325BK16#1552	186	21.757	0.015444502	0.034939918	2.26	0.016
761	1325BK16#1589	273	22.099	0.012670422	0.027113009	2.14	0.010
762	1325BK16#1610	160	22.293	0.001577942	0.001603722	1.02	0.955
763	1325BK16#1749	159	23.595	0.001085089	0.002312889	2.13	0.142
764	1325BK16#1900	273	25.004	0.051745573	0.045867185	0.89	0.180
765	1325BK16#1946	174	25.435	0.002818821	0.003642318	1.29	0.491
766	1325BK16#1946	299	25.435	0.004334131	0.005939846	1.37	0.418
767	1325BK16#2257	203	28.362	0.003475563	0.007823922	2.25	0.095
768	1325BK16#2261	299	28.410	0.023264760	0.015171192	0.65	0.060
769	1325BK16#2261	204	28.410	0.005680779	0.014342394	2.52	0.074
770	1325BK16#2280	284	28.593	0.000145260	0.000129566	0.89	0.681
771	1325BK16#2280	244	28.593	0.001163042	0.000331423	0.28	0.119
772	1325BK16#2372	185	29.448	0.000329157	0.000250622	0.76	0.538
773	1325BK16#2500#uric 4	456	30.735	0.000519840	0.003020510	5.81	0.037
774	1325BK16#2500#uric 4	441	30.735	0.000761553	0.003684011	4.84	0.054
775	1325BK16#2538	319	31.100	0.009093060	0.012631657	1.39	0.120
776	1325BK16#2547	319	31.189	0.010920200	0.015442837	1.41	0.119
777	1325BK16#2620	199	31.914	0.000194590	0.000300590	1.54	0.428
778	1325BK16#2633	263	32.041	0.001523051	0.005486328	3.60	0.050
779	1325BK16#2721	179	32.913	0.000938357	0.001172821	1.25	0.092
780	1325BK16#2781	250	33.500	0.000278355	0.000385800	1.39	0.522
781	1325BK16#2785	246	33.539	0.000162539	0.000194907	1.20	0.641
782	1325BK16#2906	387	34.720	0.000076677	0.000100776	1.31	0.449
783	1325BK16#2906	299	34.720	0.000165189	0.000154134	0.93	0.892
784	1325BK16#2954	390	35.184	0.000120466	0.000133687	1.11	0.775
785	1325BK16#2978	348	35.419	0.000038776	0.000112795	2.91	0.091
786	1325BK16#3052	374	36.146	0.000038941	0.000056862	1.46	0.133
787	1325BK16#3060	374	36.226	0.000047117	0.000315886	6.70	0.065
788	1325BK16#3075	374	36.376	0.000046129	0.000109080	2.36	0.285
789	1325BK16#3075	260	36.376	0.000096709	0.000187414	1.94	0.222
790	1325BK16#3089	204	36.514	0.055518955	0.152272348	2.74	0.002
791	1325BK16#3089	421	36.514	0.000024677	0.000060044	2.43	0.107
792	1325BK16#3138	462	37.006	0.000020213	0.000043061	2.13	0.368
793	1325BK16#3138	204	37.006	0.009953819	0.010539066	1.06	0.687
794	1325BK16#3148	473	37.105	0.000030701	0.000039402	1.28	0.649
795	1325BK16#3171	271	37.336	0.001435729	0.001435813	1.00	1.000
796	1325BK16#3184	186	37.464	0.000153720	0.000153690	1.00	0.999
797	1325BK16#3191	204	37.533	0.000598222	0.000778296	1.30	0.485
798	1325BK16#3191	117	37.533	0.000995309	0.001929680	1.94	0.035
799	1325BK16#3281	423	38.416	0.000166365	0.000203324	1.22	0.372
800	1325BK16#3284	349	38.446	0.000044707	0.000117958	2.64	0.022
801	1325BK16#3284	259	38.446	0.000204336	0.000235639	1.15	0.693
802	1325BK16#3293	156	38.535	0.000172069	0.000207067	1.20	0.660
803	1325BK16#3293	317	38.535	0.000074026	0.000200231	2.70	0.000
804	1325BK16#3299	450	38.593	0.000306039	0.000403760	1.32	0.025
805	1325BK16#3299	284	38.593	0.000825680	0.001198064	1.45	0.150
806	1325BK16#3311	175	38.712	0.000083388	0.000203836	2.44	0.000
807	1325BK16#3387	466	39.459	0.000168118	0.000219182	1.30	0.300

808	1325BK16#3387	262	39.459	0.000843825	0.000840135	1.00	0.965
809	1325BK16#3392	433	39.508	0.000373418	0.000434608	1.16	0.716
810	1325BK16#3414	160	39.724	0.001489660	0.001977417	1.33	0.236
811	1325BK16#3426	348	39.842	0.000168046	0.000619708	3.69	0.115
812	1325BK16#3481	355	40.380	0.000067404	0.000113366	1.68	0.255
813	1325BK16#3496	189	40.533	0.000770684	0.000869475	1.13	0.691
814	1325BK16#3496	204	40.533	0.012463131	0.012673585	1.02	0.958
815	1325BK16#3521	312	40.778	0.000032542	0.000061900	1.90	0.127
816	1325BK16#3530	525	40.866	0.000024902	0.000049271	1.98	0.171
817	1325BK16#3530	204	40.866	0.004483764	0.010750498	2.40	0.142
818	1325BK16#3530	345	40.866	0.000136012	0.000160727	1.18	0.592
819	1325BK16#3549	251	41.051	0.000084845	0.000170228	2.01	0.464
820	1325BK16#3549	292	41.051	0.000036195	0.000100600	2.78	0.017
821	1325BK16#3566	332	41.216	0.000427413	0.000784492	1.84	0.092
822	1325BK16#3566	361	41.216	0.000772439	0.001374383	1.78	0.226
823	1325BK16#3571	358	41.255	0.000046435	0.000034580	0.74	0.286
824	1325BK16#3607	251	41.615	0.000120695	0.000185907	1.54	0.093
825	1325BK16#3607	292	41.615	0.000058058	0.000070123	1.21	0.525
826	1325BK16#3614	318	41.684	0.000151246	0.000101390	0.67	0.457
827	1325BK16#3622	204	41.762	0.002023997	0.004416546	2.18	0.039
828	1325BK16#3663	318	42.161	0.000096516	0.001332298	13.80	0.000
829	1325BK16#3692	318	42.441	0.005418662	0.005622515	1.04	0.713
830	1325BK16#3703	204	42.548	0.214088452	0.227806868	1.06	0.618
831	1325BK16#3703	259	42.548	0.000350447	0.000424277	1.21	0.440
832	1325BK16#3802	375	43.487	0.000045662	0.000097696	2.14	0.063
833	1325BK16#3802	318	43.487	0.000067469	0.000153866	2.28	0.041
834	1325BK16#3825	91	43.721	0.000844579	0.000494315	0.59	0.162
835	1325BK16#3825	204	43.721	0.033466542	0.198777249	5.94	0.224
836	1325BK16#3923	91	44.673	0.000346265	0.000418267	1.21	0.484
837	1325BK16#3923	204	44.673	0.000965817	0.000775069	0.80	0.660
838	1325BK16#3944	349	44.873	0.000051240	0.000043373	0.85	0.702
839	1325BK16#3976	119	45.182	0.000311606	0.000302340	0.97	0.929
840	1325BK16#3976	259	45.182	0.000401816	0.000084924	0.21	0.084
841	1325BK16#4011	91	45.511	0.000232812	0.000214383	0.92	0.738
842	1325BK16#4011	204	45.511	0.000761471	0.000573329	0.75	0.331
843	1325BK16#4041	349	45.796	0.000022654	0.000036772	1.62	0.421
844	1325BK16#4304	441	48.284	0.001287012	0.000216131	0.17	0.091
845	1331BK22#2910	202	34.720	0.003287183	0.000329395	0.10	0.012
846	1331BK22#2910	361	34.720	0.012417697	0.005213055	0.42	0.040
847	1333BN04#2233#galacturonic MX1	333	28.162	0.002009876	0.002471730	1.23	0.123
848	1333BN06#2264#galacturonic MX1	364	28.162	0.000370910	0.000660779	1.78	0.375
849	1333BN06#2295#galacturonic MX2	333	28.450	0.003484414	0.004266664	1.22	0.265
850	1333BN06#2376#saccharic	373	29.206	0.000179418	0.000269590	1.50	0.092
851	1333BN07#2253	243	28.406	0.003604851	0.004435934	1.23	0.625
852	1333BN09#2268	333	28.910	0.009369537	0.012142868	1.30	0.097
853	1333BN09#2268	292	28.910	0.026017536	0.035546686	1.37	0.063
854	1334BV09#1143#O-acet-serine	174	17.897	0.005279857	0.062919429	11.92	0.007
855	1334BV11#1880#putrescine 4	361	24.487	0.013038845	0.115592418	8.87	0.001
856	1334BV11#1880#putrescine 4	214	24.487	0.068113521	0.638593580	9.38	0.000
857	1334BV11#1885	256	24.533	0.012872093	0.145461074	11.30	0.000
858	1334BV12#1883	174	24.533	0.088332743	2.662496435	30.14	0.079
859	1334BV12#1883	213	24.533	0.023560809	0.253811506	10.77	0.000
860	1334BV12#1883	314	24.533	0.021901775	0.248148676	11.33	0.000
861	1334BV17#1407#N-acet-serine	132	20.301	0.006121270	0.016116793	2.63	0.002
862	1334BV17#1407#N-acet-serine	186	20.301	0.001844328	0.030411300	16.49	0.001
863	1334BV17#1407#N-acet-serine	261	20.301	0.001312471	0.018010424	13.72	0.000
864	1334BV19#3944	204	43.806	0.033640946	0.199089354	5.92	0.224
865	1334BV19#3944	337	43.806	0.001527569	0.010961995	7.18	0.223
866	1334BV20#2975	451	34.690	0.001833404	0.002462518	1.34	0.372
867	1334BV20#2975	375	34.690	0.004124539	0.005793893	1.40	0.334
868	1334BV20#3961	202	43.806	0.027574986	0.002390987	0.09	0.011
869	1334BV20#3961	227	43.806	0.016714158	0.002200594	0.13	0.012
870	1334BV21#1152#O-acet-serine	116	17.897	0.002780312	0.023704269	8.53	0.004



871	1334BV21#1152#O-acet-serine	132	17.897	0.002285275	0.026919323	11.78	0.009
872	1334BV21#1407	289	20.257	0.001116834	0.018708850	16.75	0.003
873	1334BV21#1407	304	20.257	0.000550639	0.009274673	16.84	0.002
874	1334BV21#2181	174	27.244	0.076759875	0.524360195	6.83	0.061
875	1334BV21#2181	347	27.244	0.006397316	0.046117995	7.21	0.049
876	1334BV21#2181	405	27.244	0.004017576	0.033219682	8.27	0.021
877	1334BV27#1828	392	24.032	0.005148807	0.003309652	0.64	0.001
878	1334BV27#1828	275	24.032	0.008630734	0.017337191	2.01	0.113
879	1334BV27#2301	257	28.358	0.005862466	0.005474833	0.93	0.876
880	1334BV27#2301	188	28.358	0.004015941	0.008409094	2.09	0.386
881	1334BV27#3745	361	41.695	0.003380661	0.000300226	0.09	0.011
882	1334BV27#3745	306	41.695	0.000624497	0.000107688	0.17	0.012
883	1334BV27#3745	217	41.695	0.004627088	0.001440352	0.31	0.008
884	1334BV27#3812	361	42.311	0.002769474	0.000287235	0.10	0.009
885	1334BV27#3812	319	42.311	0.000384648	0.000349906	0.91	0.898
886	1334BV27#3812	85	42.311	0.007910860	0.007701379	0.97	0.693
887	1334BV27#3844	140	42.609	0.010430485	0.000318975	0.03	0.003
888	1334BV27#3844	361	42.609	0.004388974	0.023601903	5.38	0.391
889	1334BV27#3844	169	42.609	0.001386235	0.017553125	12.66	0.160
890	1334BV27#3864	324	42.790	0.034142062	0.122789808	3.60	0.058
891	1334BV27#3864	361	42.790	0.026574605	0.095269120	3.58	0.056
892	1334BV27#3864	450	42.790	0.006549427	0.023353823	3.57	0.055
893	1334BV27#3887	361	42.991	0.029196083	0.068627898	2.35	0.208
894	1334BV27#3887	217	42.991	0.017235647	0.087597288	5.08	0.034
895	1334BV27#3887	169	42.991	0.006913400	0.033282690	4.81	0.089
896	1334BV27#3920	361	43.298	0.016725409	0.000843846	0.05	0.015
897	1334BV27#3920	217	43.298	0.013138192	0.002319825	0.18	0.003
898	1334BV27#3920	169	43.298	0.004903558	0.000329791	0.07	0.009
899	1334BV27#4011	130	44.138	0.018400527	0.002609367	0.14	0.007
900	1334BV27#4011	155	44.138	0.007700752	0.001358670	0.18	0.004
901	1334BV27#4011	361	44.138	0.010177439	0.001132907	0.11	0.012
902	1334BV27#4073	105	44.722	0.002497047	0.000522845	0.21	0.001
903	1334BV27#4073	361	44.722	0.001198780	0.000196029	0.16	0.000
904	1334BV27#4073	217	44.722	0.002976481	0.000658224	0.22	0.000
905	1334BV27#4103	257	45.004	0.003400386	0.001069406	0.31	0.006
906	1334BV27#4103	232	45.004	0.003389181	0.001069544	0.32	0.003
907	1334BV27#4103	379	45.004	0.000344229	0.000145511	0.42	0.009
908	1334BV28#1746	275	23.324	0.078631353	0.205150288	2.61	0.055
909	1334BV28#1746	244	23.324	0.011378622	0.028077423	2.47	0.061
910	1334BV28#1746	155	23.324	0.018353590	0.037732600	2.06	0.046
911	1334BV28#1779	243	23.526	0.014796232	0.145138021	9.81	0.074
912	1334BV28#1779	345	23.526	0.001103658	0.018570436	16.83	0.081
913	1334BV28#1779	317	23.526	0.001587058	0.015961316	10.06	0.077
914	1334BV28#1818	319	23.978	0.020407771	0.067493383	3.31	0.096
915	1334BV28#1818	304	23.978	0.009586358	0.029580776	3.09	0.094
916	1334BV28#1818	190	23.978	0.010422951	0.033461468	3.21	0.094
917	1334BV28#2060	231	26.208	0.016512858	0.017962895	1.09	0.637
918	1334BV28#2060	333	26.208	0.006868354	0.007827631	1.14	0.522
919	1334BV28#2060	480	26.208	0.003495311	0.003983389	1.14	0.537
920	1334BV28#2242	200	27.883	0.001621591	0.016547716	10.20	0.100
921	1334BV28#2242	389	27.883	0.000519755	0.008306884	15.98	0.105
922	1334BV28#2242	506	27.883	0.000213683	0.002397423	11.22	0.035
923	1334BV28#2287	347	28.308	0.003506479	0.007901087	2.25	0.164
924	1334BV28#2287	232	28.308	0.022174363	0.042191303	1.90	0.222
925	1334BV28#2287	449	28.308	0.008606248	0.016733171	1.94	0.214
926	1334BV28#2613	326	31.222	0.000244618	0.004645181	18.99	0.132
927	1334BV28#2613	290	31.222	0.001495277	0.004700711	3.14	0.338
928	1334BV28#2613	428	31.222	0.000044808	0.001800828	40.19	0.182
929	1334BV28#3011	204	35.139	0.002229048	0.014234077	6.39	0.017
930	1334BV28#3011	157	35.139	0.000694391	0.005815730	8.38	0.020
931	1334BV28#3011	191	35.139	0.001109842	0.004018283	3.62	0.034
932	1334BV28#3022	204	35.238	0.001817302	0.005798034	3.19	0.021
933	1334BV28#3022	157	35.238	0.001300441	0.005924219	4.56	0.015

934	1334BV28#3022	331	35.238	0.000322587	0.001162896	3.60	0.011
935	1334BV28#3050	105	35.495	0.008944735	0.019234923	2.15	0.013
936	1334BV28#3050	331	35.495	0.000640286	0.001064442	1.66	0.063
937	1334BV28#3050	217	35.495	0.008900363	0.018340451	2.06	0.021
938	1334BV28#3103	446	35.994	0.000217800	0.001308159	6.01	0.047
939	1334BV28#3103	415	35.994	0.000256213	0.000297333	1.16	0.774
940	1334BV28#3103	217	35.994	0.002248716	0.002723707	1.21	0.811
941	1334BV28#3422	406	38.997	0.008926911	0.009791972	1.10	0.709
942	1334BV28#3422	217	38.997	0.021370673	0.024064637	1.13	0.314
943	1334BV28#3422	495	38.997	0.000959209	0.001018094	1.06	0.821
944	1334BV28#3687	324	41.474	0.001342134	0.003999236	2.98	0.041
945	1334BV28#3687	450	41.474	0.000276310	0.000719761	2.60	0.030
946	1334BV28#3687	361	41.474	0.001621370	0.003416887	2.11	0.074
947	1334BV28#3753	204	42.076	0.006068684	0.054635357	9.00	0.018
948	1334BV28#3753	357	42.076	0.000319872	0.002945849	9.21	0.022
949	1334BV28#3753	239	42.076	0.000462270	0.003175714	6.87	0.023
950	1334BV28#3871	354	43.152	0.005009290	0.016155305	3.23	0.071
951	1334BV28#3871	361	43.152	0.003665552	0.009054139	2.47	0.108
952	1334BV28#3871	450	43.152	0.001083007	0.003358985	3.10	0.067
953	1338AU05#2775#sorbitol-6-P	387	34.463	0.000034372	0.000080458	2.34	0.009
954	1338AU05#2775#sorbitol-6-P	299	34.463	0.000054872	0.000152913	2.79	0.103
955	1338AU05#2775#sorbitol-6-P	315	34.463	0.000060398	0.000123405	2.04	0.128
956	1338AU07#2713#gal-6-P MX1	299	33.813	0.014568047	0.017594336	1.21	0.746
957	1338AU07#2713#gal-6-P MX1	387	33.813	0.011427841	0.014067406	1.23	0.707
958	1338AU07#2713#gal-6-P MX1	160	33.813	0.006048712	0.006774201	1.12	0.833
959	1338AU07#2745#gal-6-P MX2	387	34.107	0.002349542	0.002896190	1.23	0.678
960	1338AU12#1860#glyceric-3-P	299	25.932	0.002276334	0.002103324	0.92	0.874
961	1338AU12#1860#glyceric-3-P	387	25.932	0.000653640	0.000585969	0.90	0.855
962	1338AU12#1860#glyceric-3-P	459	25.932	0.000372859	0.000298805	0.80	0.670
963	1340AU03#1851#p-aminobenzoic	266	26.300	0.000524525	0.000543829	1.04	0.731
964	1340AU03#1851#p-aminobenzoic	281	26.300	0.000549160	0.000649973	1.18	0.643
965	1340AU03#1851#p-aminobenzoic	222	26.300	0.000927163	0.001551470	1.67	0.016
966	1340AU04#0792#norleucine 2	158	16.236	0.000130691	0.000110449	0.85	0.653
967	1340AU04#0792#norleucine 2	232	16.236	0.000067486	0.000076547	1.13	0.752
968	1340AU04#0792#norleucine 2	260	16.236	0.000084319	0.000166772	1.98	0.056
969	1340AU06#1981#allantoin 4	331	27.205	0.121616384	0.171574450	1.41	0.276
970	1340AU06#1981#allantoin 4	431	27.205	0.016144958	0.030527353	1.89	0.167
971	1340AU06#1981#allantoin 4	446	27.205	0.020271134	0.030455739	1.50	0.287
972	1340AU06#2014#allantoin 5	518	27.512	0.000113620	0.001715065	15.09	0.087
973	1340AU06#2014#allantoin 5	428	27.512	0.000076290	0.001182021	15.49	0.068
974	1340AU06#2014#allantoin 5	403	27.512	0.000490491	0.001264413	2.58	0.052
975	1340AU07#1942#adenine	264	26.916	0.004172510	0.019493590	4.67	0.299
976	1340AU07#1942#adenine	279	26.916	0.000138574	0.046455110	335.24	0.150
977	1340AU07#1942#adenine	192	26.916	0.000692606	0.002290696	3.31	0.352
978	1340AU09#2378#guanine	352	31.071	0.000100490	0.000431856	4.30	0.331
979	1340AU09#2378#guanine	367	31.071	0.000061035	0.000160780	2.63	0.355
980	1340AU09#2378#guanine	264	31.071	0.000231878	0.000328923	1.42	0.112
981	1340AU10#1717#aconitic	285	24.894	0.002253935	0.002313722	1.03	0.941
982	1340AU10#1717#aconitic	375	24.894	0.002577139	0.002809309	1.09	0.804
983	1340AU10#1717#aconitic	229	24.894	0.006563518	0.007905080	1.20	0.604
984	1340AU11#2058#p-coumaric	249	28.101	0.001373479	0.005662775	4.12	0.000
985	1340AU11#2058#p-coumaric	293	28.101	0.001276234	0.008233213	6.45	0.024
986	1340AU11#2058#p-coumaric	308	28.101	0.000912952	0.003314604	3.63	0.000
987	1340AU12#1826#o-coumaric	293	25.885	0.001272837	0.002693781	2.12	0.067
988	1340AU12#1826#o-coumaric	308	25.885	0.000455315	0.000334616	0.73	0.069
989	1340AU12#1826#o-coumaric	161	25.885	0.005502369	0.003500426	0.64	0.062
990	1340AU14#3254#adenosine	322	38.986	0.000058602	0.000082017	1.40	0.364
991	1340AU14#3254#adenosine	465	38.986	0.000081466	0.000108982	1.34	0.284
992	1340AU14#3254#adenosine	540	38.986	0.000014528	0.000030839	2.12	0.235
993	1340AU15#2109#indole-3-acetic	202	28.475	0.000429350	0.000307773	0.72	0.263
994	1340AU15#2109#indole-3-acetic	319	28.475	0.002000618	0.003029821	1.51	0.262
995	1340AU15#2109#indole-3-acetic	276	28.475	0.000153173	0.000246726	1.61	0.186
996	1340AU18#2564#spermidine	156	32.807	0.000509953	0.003103406	6.09	0.042

997	1340AU20#1028#S-me-cysteine 2	162	18.434	0.007715882	0.010947392	1.42	0.229
998	1340AU20#1028#S-me-cysteine 2	218	18.434	0.001800694	0.002624155	1.46	0.214
999	1340AU20#1028#S-me-cysteine 2	236	18.434	0.001211648	0.001413474	1.17	0.580
1000	1340AU21#0999#glutaric	158	18.132	0.009639941	0.002113285	0.22	0.272
1001	1340AU21#0999#glutaric	261	18.132	0.001363217	0.001654179	1.21	0.373
1002	1340AU21#0999#glutaric	233	18.132	0.000378859	0.000582979	1.54	0.126
1003	2009AU02#4302	204	46.743	0.001053344	0.034348591	32.61	0.080
1004	2009AU02#4302	191	46.743	0.000711295	0.000847464	1.19	0.577
1005	2009AU02#4302	259	46.743	0.000137011	0.000171878	1.25	0.476
1006	2009AU04#3664#melibiose MX1	204	40.845	0.004483764	0.010750498	2.40	0.142
1007	2009AU04#3664#melibiose MX1	361	40.845	0.001743186	0.004564713	2.62	0.168
1008	2009AU04#3664#melibiose MX1	480	40.845	0.000077695	0.000239514	3.08	0.086
1009	2009AU04#4352#melezitose	361	47.192	0.000055583	0.000090267	1.62	0.144
1010	2009AU04#4352#melezitose	451	47.192	0.000053676	0.000066278	1.23	0.254
1011	2009AU04#4352#melezitose	271	47.192	0.000070844	0.000117343	1.66	0.247
1012	2009AU07#3699#melibiose MX2	204	41.168	0.000945727	0.002132915	2.26	0.081
1013	2009AU07#3699#melibiose MX2	361	41.168	0.000628316	0.001175954	1.87	0.308
1014	2009AU07#3699#melibiose MX2	160	41.168	0.000197455	0.000311471	1.58	0.324
1015	2009AU13#3506#trehalose	169	39.356	0.011339495	0.002583036	0.23	0.002
1016	2009AU13#3506#trehalose	361	39.356	0.041454075	0.012792500	0.31	0.004
1017	2015BV03#0799#serine 2	219	14.818	0.049917675	0.148711121	2.98	0.013
1018	2015BV03#1056#serine 3	204	17.133	0.504363774	1.265221491	2.51	0.014
1019	2015BV03#1056#serine 3	278	17.133	0.030100489	0.071089877	2.36	0.017
1020	2015BV30#2713#tryptamine	174	32.434	0.001084910	0.002576798	2.38	0.196
1021	2015BV30#2713#tryptamine	273	32.434	0.000147028	0.000154732	1.05	0.859
1022	2015BV30#2713#tryptamine	361	32.434	0.000217042	0.000078787	0.36	0.102
1023	2066BN03#1003#nicotine	84	16.891	0.004066925	0.001087417	0.27	0.237
1024	2066BN03#1003#nicotine	133	16.891	0.067464640	0.058289173	0.86	0.839
1025	2066BN03#1003#nicotine	161+162	16.891	0.000721811	0.000607488	0.84	0.716
1026	2066BN03#1003#nicotine	85	16.891	0.005651316	0.002788305	0.49	0.066
1027	2066BN03#1382#salicylic	267	20.265	0.002370749	0.006056375	2.55	0.001
1028	2066BN03#1382#salicylic	268	20.265	0.000673220	0.001791272	2.66	0.006
1029	2066BN03#1382#salicylic	209	20.265	0.000340864	0.001060558	3.11	0.000
1030	2066BN03#1382#salicylic	91	20.265	0.000628506	0.001280234	2.04	0.020
1031	2066BN03#1722#t-o-coumaric	190	23.300	0.001532001	0.002471109	1.61	0.002
1032	2066BN03#1722#t-o-coumaric	293	23.300	0.000344601	0.000292729	0.85	0.731
1033	2066BN03#1722#t-o-coumaric	308	23.300	0.003243961	0.003383280	1.04	0.933
1034	2066BN03#1722#t-o-coumaric	161	23.300	0.001940946	0.001773588	0.91	0.731
1035	2077BN06#1973#galactonic	333	28.978	0.009369537	0.012142868	1.30	0.097
1036	2077BN06#1973#galactonic	292	28.978	0.026017536	0.035585286	1.37	0.063
1037	2077BN06#1973#galactonic	423	28.978	0.000566325	0.000823679	1.45	0.012
1038	2077BN06#1973#galactonic	433	28.978	0.002489599	0.003244828	1.30	0.086
1039	2077BN07#1944#gulonic	333	28.433	0.003586838	0.004533145	1.26	0.085
1040	2077BN07#1944#gulonic	292	28.433	0.002829432	0.003924267	1.39	0.058
1041	2077BN07#1944#gulonic	423	28.433	0.000282696	0.000408878	1.45	0.004
1042	2077BN07#1944#gulonic	433	28.433	0.000353399	0.000445986	1.26	0.123
1043	2077BN11#1910#glucuronic MX1	333	28.018	0.005666365	0.006181160	1.09	0.519
1044	2077BN11#1910#glucuronic MX1	160	28.018	0.003797993	0.005534460	1.46	0.125
1045	2077BN11#1910#glucuronic MX1	423	28.018	0.000340378	0.000313353	0.92	0.587
1046	2077BN11#1932#glucuronic MX2	160	28.245	0.002865272	0.002929814	1.02	0.938
1047	2077BN11#1932#glucuronic MX2	292	28.245	0.002945451	0.003556788	1.21	0.537
1048	2077BN11#1932#glucuronic MX2	393	28.245	0.000088388	0.004602512	52.07	0.174
1049	2081BN03#2686#t-3,5ME4OHcin MX	174	30.838	0.001444959	0.002298169	1.59	0.264
1050	2081BN03#2686#t-3,5ME4OHcin MX	248	30.838	0.000135322	0.000186722	1.38	0.145
1051	2081BN03#2686#t-3,5ME4OHcin MX	309	30.838	0.000229548	0.000220043	0.96	0.800
1052	2081BN04#2381#coniferyl alcol	324	28.143	0.000405554	0.001053603	2.60	0.010
1053	2081BN04#2381#coniferyl alcol	293	28.143	0.001243645	0.004692132	3.77	0.269
1054	2081BN04#2381#coniferyl alcol	235	28.143	0.001049126	0.011634623	11.09	0.000
1055	2081BN05#2389#t-3ME4OHcin MX2	248	28.252	0.000495387	0.000526635	1.06	0.866
1056	2081BN05#2389#t-3ME4OHcin MX2	279	28.252	0.000099557	0.000742359	7.46	0.349
1057	2081BN05#2389#t-3ME4OHcin MX2	218	28.252	0.002171673	0.002798449	1.29	0.216
1058	2081BN05#2406#t-3ME4OHcin MX1	279	28.437	0.000150701	0.000130429	0.87	0.744
1059	2081BN05#2406#t-3ME4OHcin MX1	248	28.437	0.000719998	0.000586638	0.81	0.590

1060	2081BN05#2406#t-3ME4OHcin MX1	218	28.437	0.006191538	0.009528204	1.54	0.467
1061	2081BN06#2646#sinapyl alkol	354	30.473	0.000258374	0.000391473	1.52	0.042
1062	2081BN06#2646#sinapyl alkol	234	30.473	0.001765306	0.002417935	1.37	0.285
1063	2081BN06#2646#sinapyl alkol	323	30.473	0.001680100	0.001106983	0.66	0.535
1064	2081BN09#3943	556	41.942	0.000029185	0.000027039	0.93	0.895
1065	2081BN09#3943	526	41.942	0.000015893	0.000035409	2.23	0.434
1066	2081BN09#3943	279	41.942	0.000088440	0.000074450	0.84	0.512
1067	2081BN33#3156	174	35.040	0.000254990	0.000930632	3.65	0.067
1068	2081BN33#3156	324	35.040	0.000066676	0.000117924	1.77	0.175
1069	2081BN33#3156	455	35.040	0.000035595	0.000054411	1.53	0.253
1070	2081BN33#3665	556	39.454	0.000026138	0.000017616	0.67	0.209
1071	2081BN33#3665	526	39.454	0.000047280	0.000055403	1.17	0.667
1072	2081BN33#3665	279	39.454	0.000120176	0.000445700	3.71	0.333

Induced starvation, date point 2 (i2)

#	NAME	Q_TRACE	PRED_RT	Avg Resp nS	Avg Resp -S	R -S/nS	P-value
1	1090DK05#4896#1-t-caffeoquinic	307	46.502	0.000805331	0.000527039	0.65	0.309
2	1090DK05#4896#1-t-caffeoquinic	324	46.502	0.000054317	0.000053438	0.98	0.947
3	1090DK05#4896#1-t-caffeoquinic	219	46.502	0.008658157	0.010531801	1.22	0.708
4	1164CC35#1780#arginine 5	256	26.181	0.340906202	0.077629880	0.23	0.033
5	1164CC35#1780#arginine 5	157	26.181	0.375108533	0.133490182	0.36	0.184
6	1164CC37#1216	243	20.159	0.343317242	0.555506586	1.62	0.212
7	1164CC37#1220	142	20.257	0.019096510	0.183341506	9.60	0.002
8	1164CC37#1267	232	20.717	0.161007463	0.033283764	0.21	0.411
9	1164CC37#1280	155	20.807	0.326032307	2.637836786	8.09	0.028
10	1164CC37#1378	301	21.835	0.057334115	0.232780640	4.06	0.210
11	1164CC37#1378	227	21.835	0.185438459	0.909991602	4.91	0.069
12	1164CC37#1378	344	21.835	0.098204784	0.487069313	4.96	0.063
13	1164CC37#1705#glutamine 3	156	25.296	2.640348302	2.858978172	1.08	0.676
14	1164CC37#1705#glutamine 3	245	25.296	1.128704689	4.476564473	3.97	0.002
15	1164CC37#1965	204	28.073	1.079669638	2.945352221	2.73	0.012
16	1194BK05#2052#ornithine 4	420	25.990	0.377902599	0.023504089	0.06	0.336
17	1194BK05#2052#ornithine 4	142	25.990	1.189627866	0.463218672	0.39	0.061
18	1194BK05#2052#ornithine 4	174	25.990	0.521286923	0.239550101	0.46	0.228
19	1194BK09#2389#glutamine 4	227	28.996	0.104926357	0.438969630	4.18	0.065
20	1194BK09#2389#glutamine 4	317	28.996	0.027528333	0.108977703	3.96	0.066
21	1194BK09#2389#glutamine 4	156	28.996	0.031371828	0.112160942	3.58	0.068
22	1194BK11#1453#t-4-HO-proline	230	20.567	0.548761050	1.290033493	2.35	0.006
23	1194BK11#1453#t-4-HO-proline	140	20.567	0.123457215	0.302930429	2.45	0.015
24	1194BK11#1453#t-4-HO-proline	304	20.567	1.079236513	0.000315892	0.00	0.391
25	1194BK15#1922#arginine 3	174	24.834	0.230368644	0.037220311	0.16	0.064
26	1194BK15#1922#ornithine 3	174	24.834	0.240335489	0.037220311	0.15	0.039
27	1194BK15#1922#ornithine 3	186	24.834	0.068262107	0.008444983	0.12	0.044
28	1194BK15#1922#ornithine 3	348	24.834	0.068892270	0.002187757	0.03	0.246
29	1194BK15#2050#arginine 4	142	25.990	1.044993836	0.463218672	0.44	0.214
30	1194BK20#2225#gal MX2	160	27.625	0.238879605	0.606187635	2.54	0.230
31	1215BK02#1748#arabinose MX	217	23.253	0.036078036	0.033142784	0.92	0.734
32	1215BK02#1748#arabinose MX	307	23.253	0.017228751	0.017002256	0.99	0.970
33	1215BK02#1753#arabinose MX	160	23.253	0.017569245	0.008940704	0.51	0.256
34	1215BK03#1782#ribose MX	217	23.568	0.047405372	0.044367462	0.94	0.667
35	1215BK04#1717#xylose MX1	307	22.988	0.003766654	0.003571405	0.95	0.861
36	1215BK04#1717#xylose MX1	160	22.988	0.002944279	0.001203808	0.41	0.391
37	1215BK04#1738#xylose MX2	160	23.178	0.010036064	0.008826218	0.88	0.524
38	1215BK05#3504#maltose MX1	480	39.300	0.001307740	0.000431823	0.33	0.164
39	1215BK05#3540#maltose MX2	204	39.594	0.023434755	0.014799655	0.63	0.395
40	1215BK07#1896#fucose MX1	160	24.395	0.022248938	0.019108821	0.86	0.253
41	1215BK07#1896#fucose MX1	160	24.395	0.192223425	0.019108821	0.10	0.379
42	1215BK07#1896#fucose MX2	160	24.595	0.012298044	0.003759943	0.31	0.356
43	1215BK07#1896#fucose MX2	117	24.595	0.039607732	0.043192921	1.09	0.805
44	1215BK09#2256#mannitol	319	27.889	0.007380997	0.010333619	1.40	0.247
45	1215BK09#2256#mannitol	307	27.889	0.001717921	0.001491320	0.87	0.680
46	1215BK09#2256#mannitol	421	27.889	0.000845686	0.000276457	0.33	0.365

47	1215BK11#1416#erythritol	205	20.277	0.014454994	0.019005027	1.31	0.396
48	1215BK11#1416#erythritol	320	20.277	0.001785132	0.001661424	0.93	0.630
49	1215BK11#1416#erythritol	293	20.277	0.004809236	0.002784512	0.58	0.366
50	1215BK12#2269#sorbitol	319	28.002	0.008048303	0.010333619	1.28	0.381
51	1215BK12#2269#sorbitol	307	28.002	0.001376462	0.001491320	1.08	0.830
52	1215BK12#2269#sorbitol	419	28.002	0.005047468	0.000266809	0.05	0.385
53	1215BK13#2273#galactitol	307	28.086	0.002274504	0.007800719	3.43	0.000
54	1215BK13#2273#galactitol	421	28.086	0.000405335	0.000199903	0.49	0.549
55	1215BK13#2273#galactitol	331	28.086	0.003710896	0.009577964	2.58	0.000
56	1215BK14#1835#xylitol	307	24.083	0.000917678	0.001746075	1.90	0.034
57	1215BK14#1835#xylitol	319	24.083	0.011073140	0.001919307	0.17	0.365
58	1215BK15#3625#maltitol	191	40.453	0.001608138	0.001394650	0.87	0.740
59	1215BK15#3625#maltitol	361	40.453	0.002261088	0.003968077	1.75	0.153
60	1215BK16#1857#rhamnose MX1	364	24.249	0.006115433	0.000537921	0.09	0.389
61	1215BK16#1867#rhamnose MX2	117	24.348	0.580520824	0.712842355	1.23	0.534
62	1215BK16#1867#rhamnose MX2	160	24.348	0.021750336	0.019108821	0.88	0.395
63	1215BK22#1328#citramalic	349	19.462	0.000806694	0.000182626	0.23	0.408
64	1215BK22#1328#citramalic	247	19.462	0.004155548	0.001892210	0.46	0.238
65	1215BK38#1269#homoserine 3	218	19.050	0.003018729	0.004168526	1.38	0.351
66	1215BK38#1269#homoserine 3	292	19.050	0.000369619	0.000145607	0.39	0.411
67	1215BK38#1557#a-kt-glutaric MX	198	21.703	0.030342595	0.042530441	1.40	0.190
68	1215BK38#1557#a-kt-glutaric MX	288	21.703	0.011691238	0.013949359	1.19	0.242
69	1215BK38#1557#a-kt-glutaric MX	304	21.703	0.012321839	0.011663650	0.95	0.821
70	1215BK38#1724#homocysteine 3	234	23.251	0.002229095	0.002526382	1.13	0.720
71	1215BK38#1724#homocysteine 3	351	23.251	0.000213560	0.000310973	1.46	0.502
72	1215BK38#1724#homocysteine 3	261	23.251	0.004743424	0.000462050	0.10	0.411
73	1215BK38#2153#gal MX1	160	27.304	0.074263045	0.068719566	0.93	0.640
74	1215BK38#2153#gal MX1	319	27.304	0.133844902	0.147692002	1.10	0.481
75	1215BK38#2153#gal MX1	205	27.304	0.113426834	0.159403160	1.41	0.338
76	1215BK38#2207#c-ferulic	293	27.793	0.001089161	0.001369894	1.26	0.535
77	1215BK38#2207#c-ferulic	249	27.793	0.000609752	0.000525995	0.86	0.642
78	1215BK38#2207#c-ferulic	338	27.793	0.000663083	0.000365863	0.55	0.307
79	1215BK38#2439#c-sinapic	338	30.024	0.019070783	0.019835396	1.04	0.769
80	1215BK38#2439#c-sinapic	368	30.024	0.015407886	0.019077048	1.24	0.372
81	1215BK38#2439#c-sinapic	323	29.907	0.005183165	0.006680166	1.29	0.427
82	1219BK04#2184#galactonic-1,4-L	334	27.254	0.030813566	0.105783988	3.43	0.072
83	1219BK04#2184#galactonic-1,4-L	361	27.254	0.002351050	0.006825504	2.90	0.002
84	1219BK04#2184#galactonic-1,4-L	466	27.254	0.034761377	0.001309061	0.04	0.389
85	1219BK05#2185#a-kt-gulonic MX	349	27.346	0.013836616	0.002970657	0.21	0.401
86	1219BK05#2185#a-kt-gulonic MX	186	27.346	0.055397513	0.033163385	0.60	0.336
87	1219BK07#2218#gulonic-1,4-L	333	27.850	0.004102770	0.004649168	1.13	0.757
88	1219BK07#2218#gulonic-1,4-L	466	27.850	0.002107355	0.000222874	0.11	0.410
89	1219BK07#2218#gulonic-1,4-L	243	27.850	0.002025259	0.029003470	14.32	0.139
90	1248BK08#0805	117	14.496	0.013751669	0.009277090	0.67	0.082
91	1248BK08#0815#benzoic	179	14.591	0.019554642	0.016071924	0.82	0.284
92	1248BK08#0815#benzoic	105	14.591	0.013189203	0.012869420	0.98	0.919
93	1248BK08#0856#urea	189	14.931	0.979290093	0.025701896	0.03	0.192
94	1248BK08#0931#threonine 2	219	15.643	0.087176089	0.131556660	1.51	0.101
95	1248BK08#0931#threonine 2	117	15.643	0.248392618	0.424835250	1.71	0.113
96	1248BK08#0953#glycine 3	174	15.840	0.146726587	0.176297979	1.20	0.574
97	1248BK08#0953#glycine 3	248	15.840	0.038306740	0.025531808	0.67	0.372
98	1248BK08#0990	306	16.178	0.005264258	0.000047556	0.01	0.389
99	1248BK08#1020	184	16.441	0.031662627	0.032559869	1.03	0.916
100	1248BK08#1020	285	16.441	0.009352599	0.010547102	1.13	0.747
101	1248BK08#1043#uracil 2	241	16.639	0.051138411	0.002380572	0.05	0.393
102	1248BK08#1056	259	16.761	0.001215518	0.000492661	0.41	0.260
103	1248BK08#1107#thymine 2	255	17.231	0.091222109	0.000557695	0.01	0.390
104	1248BK08#1121	257	17.348	0.000446166	0.000049099	0.11	0.379
105	1248BK08#1128	141	17.420	0.017122575	0.022273508	1.30	0.332
106	1248BK08#1180	142	17.888	0.004409388	0.005248986	1.19	0.609
107	1248BK08#1196	259	18.041	0.000943522	0.000309836	0.33	0.367
108	1248BK08#1214	242	18.194	0.189480522	0.000068782	0.00	0.391
109	1248BK08#1214	234	18.194	0.015952099	0.068364711	4.29	0.451



110	1248BK08#1225	104	18.293	0.004887917	0.002788697	0.57	0.006
111	1248BK08#1249#b-alanine 3	248	18.526	0.012759663	0.041812020	3.28	0.001
112	1248BK08#1249#b-alanine 3	290	18.526	0.008449606	0.010574444	1.25	0.673
113	1248BK08#1249#b-alanine 3	174	18.526	0.021181538	0.061856401	2.92	0.001
114	1248BK08#1308#homoserine 3	128	19.050	0.001550277	0.001577522	1.02	0.959
115	1248BK08#1340	255	19.313	0.015245549	0.001978553	0.13	0.363
116	1248BK08#1368	155	19.569	0.164797348	0.459293162	2.79	0.008
117	1248BK08#1368	229	19.565	0.011359935	0.024412429	2.15	0.007
118	1248BK08#1446	306	20.299	0.001728610	0.006499831	3.76	0.457
119	1248BK08#1463#methionine 2	176	20.453	0.015306676	0.013019979	0.85	0.453
120	1248BK08#1463#methionine 2	128	20.453	0.011101406	0.010917527	0.98	0.938
121	1248BK08#1527	120	21.054	0.082577363	0.032869238	0.40	0.298
122	1248BK08#1540#cysteine 3	294	21.171	0.001128162	0.009150358	8.11	0.280
123	1248BK08#1540#cysteine 3	220	21.171	0.003878758	0.002212053	0.57	0.215
124	1248BK08#1568	162	21.424	0.014492211	0.015486454	1.07	0.683
125	1248BK08#1568	218	21.424	0.044619233	0.034742831	0.78	0.588
126	1248BK08#1630	188	21.984	0.120990572	0.162417603	1.34	0.718
127	1248BK08#1641	305	22.084	0.057444931	0.049609171	0.86	0.744
128	1248BK08#1669	142	22.339	0.134157613	0.034615784	0.26	0.112
129	1248BK08#1669	348	22.339	0.010490029	0.002832815	0.27	0.083
130	1248BK08#1695	188	22.592	0.007047249	0.008156025	1.16	0.481
131	1248BK08#1695	216	22.592	0.022348230	0.002954147	0.13	0.277
132	1248BK08#1841	275	23.932	0.103888554	0.433904986	4.18	0.001
133	1248BK08#1852	173	24.032	0.165908401	0.427970970	2.58	0.015
134	1248BK08#1888	156	24.340	0.180731175	0.017719516	0.10	0.414
135	1248BK08#1907	227	24.517	0.008769837	0.120903899	13.79	0.013
136	1248BK08#1907	203	24.517	0.005899673	0.098084238	16.63	0.015
137	1248BK08#1907	317	24.517	0.002772784	0.036750862	13.25	0.005
138	1248BK08#1940	216	24.844	0.057919811	0.001988119	0.03	0.346
139	1248BK08#1948	216	24.919	0.002077647	0.001209506	0.58	0.574
140	1248BK08#1969	333	25.113	0.011479752	0.007017937	0.61	0.429
141	1248BK08#1969	292	25.113	0.027260703	0.032886854	1.21	0.359
142	1248BK08#2056	461	25.911	0.000074908	0.000056038	0.75	0.582
143	1248BK08#2056	371	25.911	0.001073666	0.000068122	0.06	0.223
144	1248BK08#2056	257	25.911	0.008770978	0.004756341	0.54	0.261
145	1248BK08#2264#lysine 4	156	27.765	0.102752929	0.103222651	1.00	0.985
146	1248BK08#2264#lysine 4	317	27.765	0.085407332	0.054385624	0.64	0.283
147	1248BK08#2264#lysine 4	174	27.765	0.246481142	0.150779117	0.61	0.282
148	1248BK08#2323	217	28.410	0.015308332	0.021085594	1.38	0.423
149	1248BK08#2323	361	28.410	0.006699837	0.005108594	0.76	0.593
150	1248BK08#2406#saccharic	333	29.208	0.005266840	0.007486186	1.42	0.051
151	1248BK08#2411	433	29.287	0.001965300	0.001271332	0.65	0.552
152	1248BK08#2411	205	29.287	0.005084033	0.007288522	1.43	0.031
153	1248BK08#2429	393	29.460	0.013772047	0.004034774	0.29	0.377
154	1248BK08#2495	204	30.096	0.001413402	0.004296853	3.04	0.156
155	1248BK08#2495	539	30.096	0.004710342	0.000024905	0.01	0.387
156	1248BK08#2495	333	29.751	0.027112712	0.019573405	0.72	0.374
157	1248BK08#2568	245	30.794	0.000511351	0.000374703	0.73	0.620
158	1248BK08#2568	257	30.794	0.000159535	0.000349070	2.19	0.030
159	1248BK08#2568	292	30.794	0.014562766	0.000314842	0.02	0.391
160	1248BK08#2588	228	30.986	0.002917987	0.000357381	0.12	0.378
161	1248BK08#2664	437	31.721	0.000173925	0.000081176	0.47	0.431
162	1248BK08#2720#9,12(Z,Z)-18:2	337	32.269	0.000518540	0.000149506	0.29	0.406
163	1248BK08#2771	373	32.768	0.015405100	0.000147361	0.01	0.392
164	1248BK08#2796	373	33.013	0.003296283	0.000043267	0.01	0.388
165	1248BK08#2876	337	33.808	0.028544539	0.032264571	1.13	0.762
166	1248BK08#2876	217	33.820	0.053855213	0.060531156	1.12	0.736
167	1248BK08#2876	361	33.820	0.011521085	0.008919789	0.77	0.342
168	1248BK08#2949	433	34.530	0.000092170	0.000181773	1.97	0.152
169	1248BK08#2983	387	34.866	0.000078919	0.000088661	1.12	0.861
170	1248BK08#2983	299	34.866	0.000131159	0.000278488	2.12	0.068
171	1248BK08#3000	289	35.048	0.000131256	0.000166220	1.27	0.642
172	1248BK08#3018	334	35.216	0.000096660	0.000208354	2.16	0.052

173	1248BK08#3036	289	35.396	0.000056130	0.000085089	1.52	0.125
174	1248BK08#3036	334	35.396	0.000107966	0.000079443	0.74	0.559
175	1248BK08#3086	401	35.894	0.000070369	0.000055305	0.79	0.530
176	1248BK08#3086	437	35.894	0.000047697	0.000043476	0.91	0.778
177	1248BK08#3103	260	36.064	0.000092719	0.000175033	1.89	0.136
178	1248BK08#3131	446	36.344	0.000385985	0.000935327	2.42	0.154
179	1248BK08#3177	313	36.806	0.051933935	0.000170007	0.00	0.392
180	1248BK08#3192	387	36.957	0.000099031	0.000135269	1.37	0.638
181	1248BK08#3192	299	36.957	0.000111543	0.000173430	1.55	0.508
182	1248BK08#3192	471	36.957	0.004764947	0.000016714	0.00	0.391
183	1248BK08#3196	324	37.007	0.000032476	0.000063356	1.95	0.158
184	1248BK08#3223	287	37.271	0.000046235	0.000067659	1.46	0.058
185	1248BK08#3233	401	37.373	0.001164727	0.000035455	0.03	0.378
186	1248BK08#3359	491	38.628	0.000196346	0.000024919	0.13	0.313
187	1248BK08#3365	480	38.701	0.000103475	0.000057847	0.56	0.558
188	1248BK08#3365	307	38.701	0.000073540	0.000269926	3.67	0.071
189	1248BK08#3383	307	38.885	0.002109824	0.000178734	0.08	0.382
190	1248BK08#3385	295	38.914	0.001093536	0.000811934	0.74	0.382
191	1248BK08#3405	322	39.118	0.002222160	0.000103225	0.05	0.391
192	1248BK08#3412	473	39.178	0.000029267	0.000020603	0.70	0.389
193	1248BK08#3447	437	39.532	0.000258263	0.000451719	1.75	0.202
194	1248BK08#3456	361	39.623	0.010887861	0.007316546	0.67	0.595
195	1248BK08#3463	288	39.693	0.000870033	0.000072986	0.08	0.375
196	1248BK08#3468	437	39.743	0.000676038	0.000057163	0.08	0.380
197	1248BK08#3479	437	39.855	0.000082844	0.000104961	1.27	0.577
198	1248BK08#3581	539	40.856	0.001394112	0.000047819	0.03	0.395
199	1248BK08#3589	396	40.937	0.000396537	0.000018197	0.05	0.381
200	1248BK08#3589	361	40.937	0.001638359	0.006723351	4.10	0.077
201	1248BK08#3606	285	41.112	0.000046824	0.000084056	1.80	0.328
202	1248BK08#3627	296	41.303	0.000650008	0.000771814	1.19	0.643
203	1248BK08#3643	479	41.457	0.000681803	0.000025925	0.04	0.395
204	1248BK08#3773	446	42.694	0.001504386	0.000020959	0.01	0.389
205	1248BK08#3773	229	42.694	0.008923669	0.028054798	3.14	0.000
206	1248BK08#4003	259	44.854	0.001487681	0.000136539	0.09	0.018
207	1248BK08#4172#raffinose	437	46.417	0.037393489	0.099246821	2.65	0.001
208	1248BK08#4172#raffinose	451	46.417	0.016889433	0.051399243	3.04	0.008
209	1248BK08#4172#raffinose	361	46.417	0.183454843	0.478492997	2.61	0.001
210	1248BK08#4180	437	46.509	0.037416118	0.099407726	2.66	0.001
211	1248BK08#4180	204	46.509	0.091509542	0.213127241	2.33	0.011
212	1248BK08#4180	217	46.509	0.118000940	0.198955003	1.69	0.136
213	1248BK08#4186	451	46.633	0.016950726	0.051449997	3.04	0.008
214	1250BK34#0703#dodecane	85	13.194	1.533761651	1.310144880	0.85	0.054
215	1263BK24#0843	174	14.907	1.612497803	1.319499668	0.82	0.381
216	1263BK24#0864#leucine 2	158	15.095	0.028471705	0.046173114	1.62	0.348
217	1263BK24#0864#leucine 2	232	15.095	0.000973861	0.001733445	1.78	0.292
218	1263BK24#0874#glycerol	117	15.184	0.116916357	0.072874957	0.62	0.258
219	1263BK24#0874#glycerol	205	15.184	0.100300834	0.128608979	1.28	0.577
220	1263BK24#0874#glycerol	218	15.184	0.021998115	0.038224085	1.74	0.296
221	1263BK24#0874#glycerol	293	15.184	1.056514354	0.002941527	0.00	0.182
222	1263BK24#0960	174	15.965	2.183166593	3.039637288	1.39	0.331
223	1263BK24#1089	156	17.123	0.005121823	0.001777989	0.35	0.478
224	1263BK24#1089	215	17.123	0.022974553	0.001036955	0.05	0.276
225	1263BK24#1215	219	18.264	0.004081949	0.005565917	1.36	0.357
226	1263BK24#1243	228	18.516	0.081010650	0.020299199	0.25	0.363
227	1263BK24#1446	188	20.361	0.006296027	0.003482244	0.55	0.366
228	1263BK24#1633	292	22.057	0.002449959	0.002994111	1.22	0.581
229	1263BK24#1633	117	22.057	0.001431629	0.001523350	1.06	0.852
230	1263BK24#1743	257	23.051	0.004762528	0.004360830	0.92	0.684
231	1263BK24#1785	150	23.426	0.001549628	0.001218454	0.79	0.769
232	1263BK24#1785	272	23.426	0.201113196	0.013359649	0.07	0.408
233	1263BK24#1861	303	24.109	0.004219960	0.004493293	1.06	0.851
234	1263BK24#1907	357	24.532	0.041131361	0.000376828	0.01	0.392
235	1263BK24#1910	416	24.554	0.002820466	0.005239286	1.86	0.451

236	1263BK24#1994	133	25.314	0.840488012	0.125593657	0.15	0.358
237	1263BK24#2004	244	25.433	0.003144114	0.001981972	0.63	0.443
238	1263BK24#2026	194	25.595	0.002990968	0.002948527	0.99	0.942
239	1263BK24#2047	437	25.800	0.004218059	0.002496239	0.59	0.337
240	1263BK24#2063	345	25.931	0.003256923	0.002300827	0.71	0.450
241	1263BK24#2063	435	25.931	0.003110299	0.002233608	0.72	0.451
242	1263BK24#2154	144	26.771	0.002098761	0.000856113	0.41	0.288
243	1263BK24#2154	307	26.771	0.004312854	0.004308554	1.00	0.997
244	1263BK24#2269	234	27.828	0.007258336	0.009342612	1.29	0.635
245	1263BK24#2295#tyrosine	218	28.072	0.154775284	0.333317727	2.15	0.040
246	1263BK24#2295#tyrosine	280	28.072	0.361420912	0.021020635	0.06	0.395
247	1263BK24#2476	319	29.726	0.000250175	0.059909563	239.47	0.062
248	1263BK24#2679	300	31.578	0.000082566	0.000078136	0.95	0.863
249	1263BK24#2679	228	31.578	0.000396772	0.000119440	0.30	0.381
250	1263BK24#2697	458	31.740	0.000047984	0.000031992	0.67	0.154
251	1263BK24#2727	235	32.014	0.001391924	0.005081053	3.65	0.001
252	1263BK24#2772	328	32.434	0.006670827	0.008090877	1.21	0.758
253	1263BK24#2814#spermidine	174	32.824	0.004232429	0.008098174	1.91	0.037
254	1263BK24#2814#spermidine	144	32.824	0.004065784	0.009140742	2.25	0.043
255	1263BK24#2994	351	34.452	0.001468177	0.003030096	2.06	0.323
256	1263BK24#3026	329	34.745	0.000551370	0.000064373	0.12	0.308
257	1263BK24#3026	318	34.745	0.000347904	0.000457770	1.32	0.555
258	1263BK24#3069	338	35.147	0.000114963	0.000205365	1.79	0.210
259	1263BK24#3069	144	35.147	0.001157983	0.000412475	0.36	0.448
260	1263BK24#3137	174	35.772	0.000324433	0.000934630	2.88	0.261
261	1263BK24#3155	174	35.937	0.000196699	0.000526721	2.68	0.010
262	1263BK24#3155	398	35.937	0.000038641	0.000033301	0.86	0.404
263	1263BK24#3171	174	36.084	0.000118444	0.000571668	4.83	0.239
264	1263BK24#3472	204	38.850	0.004354652	0.007791057	1.79	0.158
265	1263BK24#4315	174	46.628	0.000239140	0.000266280	1.11	0.784
266	1263BK24#4440	174	47.803	0.000125919	0.000169363	1.35	0.569
267	1263BK25#0632	86	13.044	0.070433590	0.010910451	0.15	0.064
268	1263BK25#2215	191	27.318	0.038797485	0.025882308	0.67	0.254
269	1263BK25#2215	204	27.318	0.053507222	0.093149078	1.74	0.460
270	1263BK25#3658	267	40.547	0.000215687	0.000135998	0.63	0.510
271	1263BK50#2309	299	28.231	0.002493546	0.004209185	1.69	0.132
272	1263BK50#2309	360	28.231	0.000375786	0.000752360	2.00	0.035
273	1263BK50#2309	494	28.231	0.000841798	0.000106018	0.13	0.403
274	1267BK12#0266	207	9.830	0.108291497	0.002213622	0.02	0.192
275	1267BK12#0266	295	9.830	0.043287837	0.130288242	3.01	0.189
276	1267BK12#0289#lactic	117	10.035	0.003672833	0.000259600	0.07	0.171
277	1267BK12#0289#lactic	219	10.035	0.025536930	0.006127708	0.24	0.402
278	1267BK12#0326	173	10.400	4.905528034	9.313418157	1.90	0.219
279	1267BK12#0362	217	10.685	0.562798262	0.159117972	0.28	0.183
280	1267BK12#0362	202	10.685	5.524467570	1.029355945	0.19	0.184
281	1267BK12#0403#alanine 2	116	11.052	0.034164092	0.074319888	2.18	0.079
282	1267BK12#0422#hydroxylamine	133	11.221	0.326693477	0.014751143	0.05	0.180
283	1267BK12#0422#hydroxylamine	249	11.221	0.429696729	0.600159330	1.40	0.358
284	1267BK12#0494#cy-siloxane 5	267	11.864	0.020223347	0.018964871	0.94	0.473
285	1267BK12#0503	219	11.945	0.161016560	0.148329448	0.92	0.901
286	1267BK12#0503	190	11.945	0.009642406	0.000060188	0.01	0.180
287	1267BK12#0516	235	12.061	0.108420896	0.019671127	0.18	0.254
288	1267BK12#0531	142	12.194	0.036280110	0.116264309	3.20	0.030
289	1267BK12#0531	174	12.194	0.010721467	0.000637723	0.06	0.390
290	1267BK12#0616#me-phosphoric 3	241	12.963	0.051238435	0.033566031	0.66	0.346
291	1267BK12#0666#dodecane	85	13.402	1.537653609	1.308425053	0.85	0.048
292	1267BK12#0688	233	13.600	0.020194292	0.001151709	0.06	0.197
293	1267BK12#0707#valine 2	144	13.770	0.109398119	0.192752717	1.76	0.194
294	1267BK12#0707#valine 2	218	13.770	0.015339968	0.030523335	1.99	0.178
295	1267BK12#0725	156	13.931	0.092079002	0.005746810	0.06	0.184
296	1267BK12#0737#siloxane 5	281	14.039	0.010290346	0.013830190	1.34	0.477
297	1267BK12#0784	248	14.459	0.012120668	0.018066911	1.49	0.452
298	1267BK12#0824#serine 2	116	14.818	1.211029731	2.077309942	1.72	0.001

299	1267BK12#0824#serine 2	132	14.818	0.595896148	2.231366538	3.74	0.011
300	1267BK12#0848	415	15.033	0.000248500	0.000116200	0.47	0.497
301	1267BK12#0848	261	15.033	0.008227414	0.000399580	0.05	0.115
302	1267BK12#0858#phosphoric 3	299	15.123	1.349000660	2.339022089	1.73	0.173
303	1267BK12#0858#phosphoric 3	314	15.123	0.222902540	0.500092085	2.24	0.068
304	1267BK12#0909#isoleucine 2	158	15.580	0.035807511	0.081187252	2.27	0.063
305	1267BK12#0909#isoleucine 2	218	15.580	0.053198578	0.014030280	0.26	0.243
306	1267BK12#0917#proline 2	216	15.643	0.012338342	0.000548165	0.04	0.178
307	1267BK12#0917#proline 2	142	15.643	0.195200421	0.018851694	0.10	0.192
308	1267BK12#0923#nicotinic	136	15.697	0.013601276	0.010195566	0.75	0.247
309	1267BK12#0923#nicotinic	180	15.697	0.008476149	0.015512309	1.83	0.220
310	1267BK12#0931#cy-siloxane 6	341	15.777	0.007647711	0.003585527	0.47	0.126
311	1267BK12#0945#maleic	245	15.903	0.021232219	0.004454392	0.21	0.358
312	1267BK12#0945#maleic	147	15.903	0.090597852	0.049063640	0.54	0.219
313	1267BK12#0970#d4-succinic	251	16.127	0.000114964	0.000091779	0.80	0.556
314	1267BK12#0970#d4-succinic	251	16.127	0.000115337	0.000064795	0.56	0.252
315	1267BK12#0970#succinic	147	16.127	0.228056488	0.197130194	0.86	0.348
316	1267BK12#0970#succinic	147	16.127	0.228056488	0.198777658	0.87	0.360
317	1267BK12#0970#succinic	247	16.127	0.024181695	0.020072544	0.83	0.312
318	1267BK12#0970#succinic	247	16.127	0.024195433	0.020072544	0.83	0.311
319	1267BK12#0970#succinic	247	16.127	0.067043010	0.020072544	0.30	0.344
320	1267BK12#0970#succinic	147	16.127	0.898843586	0.197130194	0.22	0.365
321	1267BK12#0998	261	16.379	0.048210345	0.000155873	0.00	0.391
322	1267BK12#0998	147	16.379	0.180016588	0.198777658	1.10	0.791
323	1267BK12#1009#glyceric	189	16.478	0.285911844	0.398759701	1.39	0.197
324	1267BK12#1009#glyceric	292	16.478	0.159524910	0.230101161	1.44	0.217
325	1267BK12#1059#fumaric	147	16.926	1.151814345	1.285131222	1.12	0.467
326	1267BK12#1059#fumaric	245	16.926	0.942858785	1.471936103	1.56	0.146
327	1267BK12#1067	188	16.998	0.382027935	0.236584222	0.62	0.418
328	1267BK12#1082#serine 3	218	17.133	0.531028370	0.834243364	1.57	0.018
329	1267BK12#1102	306	17.313	0.001703278	0.000978439	0.57	0.015
330	1267BK12#1102	233	17.313	0.001295771	0.001255956	0.97	0.895
331	1267BK12#1114	247	17.421	0.002733084	0.004794631	1.75	0.115
332	1267BK12#1143#threonine 3	219	17.681	0.101336710	0.148777361	1.47	0.173
333	1267BK12#1143#threonine 3	291	17.681	0.038581988	0.052804810	1.37	0.157
334	1267BK12#1164	191	17.869	0.022549799	0.001441503	0.06	0.386
335	1267BK12#1175	197	17.968	0.003072159	0.002717911	0.88	0.655
336	1267BK12#1195	174	18.149	0.013890283	0.026621627	1.92	0.048
337	1267BK12#1220	174	18.373	0.025273425	0.053010045	2.10	0.025
338	1267BK12#1237	160	18.526	0.167877506	0.204209691	1.22	0.587
339	1267BK12#1247	247	18.616	0.011477532	0.011617978	1.01	0.826
340	1267BK12#1270	172	18.832	0.003527462	0.000405744	0.12	0.400
341	1267BK12#1278	174	18.895	0.002291883	0.004365695	1.90	0.007
342	1267BK12#1278	168	18.895	0.001020713	0.002090067	2.05	0.019
343	1267BK12#1298	350	19.025	0.005508187	0.007528217	1.37	0.253
344	1267BK12#1303	174	19.120	0.036782986	0.064074247	1.74	0.090
345	1267BK12#1309	174	19.174	0.048614861	0.064074247	1.32	0.023
346	1267BK12#1334	281	19.454	0.013306781	0.012214510	0.92	0.322
347	1267BK12#1345	173	19.498	0.013766552	0.009270458	0.67	0.204
348	1267BK12#1345	103	19.498	0.017228573	0.020625013	1.20	0.604
349	1267BK12#1369	234	19.715	0.045597017	0.012339420	0.27	0.405
350	1267BK12#1390#malic	233	19.916	0.647574822	0.738371507	1.14	0.658
351	1267BK12#1390#malic	335	19.916	0.104413602	0.117453320	1.12	0.682
352	1267BK12#1406#pentadecane	85	20.057	2.332080400	2.085936377	0.89	0.132
353	1267BK12#1410	217	20.105	0.019827533	0.016718965	0.84	0.789
354	1267BK12#1410	293	20.105	0.178219408	0.001576146	0.01	0.391
355	1267BK12#1428	111	20.239	0.005441429	0.006361119	1.17	0.541
356	1267BK12#1428	275	20.239	0.005516129	0.001019414	0.18	0.378
357	1267BK12#1438	237	20.347	0.012462895	0.010948533	0.88	0.498
358	1267BK12#1457#aspartic 3	218	20.518	0.297301923	0.176050958	0.59	0.409
359	1267BK12#1457#aspartic 3	232	20.518	0.705454968	0.994868867	1.41	0.323
360	1267BK12#1457#aspartic 3	306	20.518	0.019117918	0.021865901	1.14	0.495
361	1267BK12#1457#pyroglutamic	156	20.518	4.095899000	5.326416353	1.30	0.434

362	1267BK12#1457#pyroglutamic	258	20.518	0.704729194	1.393321437	1.98	0.003
363	1267BK12#1457#pyroglutamic	230	20.518	0.544872955	1.257591302	2.31	0.008
364	1267BK12#1485	84	20.771	0.200670498	0.295291999	1.47	0.286
365	1267BK12#1492	263	20.834	0.209833592	0.143725102	0.68	0.213
366	1267BK12#1507	292	20.970	0.171292339	0.178427068	1.04	0.676
367	1267BK12#1520	249	21.069	0.016420971	0.000838969	0.05	0.386
368	1267BK12#1547#threonic	292	21.331	0.058994747	0.077598054	1.32	0.042
369	1267BK12#1547#threonic	220	21.331	0.041447178	0.046486945	1.12	0.388
370	1267BK12#1547#threonic	205	21.331	0.025899678	0.043246089	1.67	0.156
371	1267BK12#1569	160	21.529	0.003437275	0.001395497	0.41	0.346
372	1267BK12#1587	205	21.701	0.019450352	0.011889618	0.61	0.034
373	1267BK12#1609	71	21.891	0.057424456	0.085963831	1.50	0.265
374	1267BK12#1609	250	21.891	0.005752627	0.000520183	0.09	0.396
375	1267BK12#1627	342	22.043	0.005091068	0.002359814	0.46	0.401
376	1267BK12#1631#asparagine 4	188	22.088	0.177943133	0.275175573	1.55	0.110
377	1267BK12#1631#asparagine 4	216	22.088	0.116808880	0.198534409	1.70	0.109
378	1267BK12#1631#asparagine 4	231	22.088	0.028097276	0.039004533	1.39	0.331
379	1267BK12#1674#glutamic 3	246	22.477	1.100301617	1.246157979	1.13	0.749
380	1267BK12#1674#glutamic 3	363	22.477	0.056681301	0.033767894	0.60	0.301
381	1267BK12#1680#phenylalanine 2	192	22.532	0.062717896	0.072588952	1.16	0.681
382	1267BK12#1680#phenylalanine 2	266	22.532	0.449951530	0.005642170	0.01	0.390
383	1267BK12#1733	245	23.010	0.007473365	0.007651222	1.02	0.924
384	1267BK12#1751#xylose MX2	307	23.173	0.025658860	0.016992230	0.66	0.127
385	1267BK12#1751#xylose MX2	217	23.173	0.034731081	0.033157853	0.95	0.879
386	1267BK12#1765#arabinose MX2	307	23.299	0.006066642	0.010638927	1.75	0.348
387	1267BK12#1765#arabinose MX2	160	23.299	0.004178009	0.004998767	1.20	0.739
388	1267BK12#1779#asparagine 3	116	23.426	0.350169152	0.797910918	2.28	0.091
389	1267BK12#1779#asparagine 3	188	23.426	0.121078435	0.279854962	2.31	0.103
390	1267BK12#1794#ribose MX	307	23.570	0.017370717	0.015834084	0.91	0.783
391	1267BK12#1794#ribose MX	160	23.570	0.013406871	0.005801335	0.43	0.264
392	1267BK12#1809	307	23.706	0.016676934	0.012888187	0.77	0.568
393	1267BK12#1824	295	23.832	0.002418140	0.001116147	0.46	0.072
394	1267BK12#1824	202	23.824	0.006298911	0.002950931	0.47	0.198
395	1267BK12#1827	307	23.860	0.003157191	0.002503429	0.79	0.268
396	1267BK12#1837	290	23.914	0.002031441	0.001323304	0.65	0.104
397	1267BK12#1846	133	24.032	0.095435513	0.103972484	1.09	0.751
398	1267BK12#1849	202	24.059	0.060241345	0.005074825	0.08	0.378
399	1267BK12#1859	242	24.149	0.000715016	0.000970088	1.36	0.603
400	1267BK12#1859	334	24.149	0.002010091	0.000997910	0.50	0.272
401	1267BK12#1870#rhamnose MX1	117	24.249	0.022811418	0.025418963	1.11	0.730
402	1267BK12#1870#rhamnose MX1	160	24.249	0.003969019	0.004434995	1.12	0.767
403	1267BK12#1877	307	24.313	0.517392740	0.687696842	1.33	0.396
404	1267BK12#1885#ribitol	422	24.385	0.280377460	0.041186737	0.15	0.392
405	1267BK12#1885#ribitol	319	24.385	0.749767086	1.000238673	1.33	0.390
406	1267BK12#1885#ribitol TMS	319	24.395	1.000000000	1.000000000	1.00	#DIV/0!
407	1267BK12#1885#ribitol TMS	319	24.395	0.999430797	1.000238673	1.00	0.061
408	1267BK12#1885#ribitol TMS	307	24.395	0.691694724	0.687651216	0.99	0.504
409	1267BK12#1885#ribitol TMS	307	24.395	0.691694724	0.687696842	0.99	0.508
410	1267BK12#1885#ribitol TMS	422	24.395	0.041219456	0.041191608	1.00	0.984
411	1267BK12#1885#ribitol TMS	422	24.395	0.041219456	0.041186737	1.00	0.981
412	1267BK12#1896#putrescine 4	174	24.487	1.218619212	4.523549706	3.71	0.001
413	1267BK12#1903	416	24.559	0.000068493	0.000056965	0.83	0.722
414	1267BK12#1908	133	24.595	0.068691648	0.065599279	0.95	0.900
415	1267BK12#1916	205	24.676	0.049575351	0.010273468	0.21	0.053
416	1267BK12#1918	392	24.685	0.006865501	0.004921095	0.72	0.118
417	1267BK12#1918	392	24.685	0.016211223	0.006850209	0.42	0.303
418	1267BK12#1925	292	24.749	0.028815682	0.032279138	1.12	0.759
419	1267BK12#1925	465	24.749	0.001574785	0.000015442	0.01	0.386
420	1267BK12#1940	292	24.884	0.036519207	0.032279138	0.88	0.386
421	1267BK12#1940	333	24.884	0.024217074	0.026755060	1.10	0.789
422	1267BK12#1946	133	24.948	0.028093792	0.032174582	1.15	0.714
423	1267BK12#1953	346	25.012	0.050243163	0.000454021	0.01	0.386
424	1267BK12#1953	133	25.012	0.164679237	0.141202649	0.86	0.650



425	1267BK12#1961	422	25.079	0.024998901	0.014311716	0.57	0.318
426	1267BK12#1961	116	25.079	0.062669322	0.045595287	0.73	0.052
427	1267BK12#1967	276	25.124	0.029217584	0.016696948	0.57	0.419
428	1267BK12#1967	392	25.124	0.065020197	0.075863762	1.17	0.539
429	1267BK12#1967	302	25.124	0.014811611	0.023014041	1.55	0.142
430	1267BK12#1970	319	25.166	0.006745352	0.010263907	1.52	0.202
431	1267BK12#1970	275	25.166	0.017653493	0.000448715	0.03	0.391
432	1267BK12#1970	392	25.166	0.063887360	0.075863762	1.19	0.526
433	1267BK12#1997	392	25.401	0.047473443	0.003971632	0.08	0.381
434	1267BK12#2001	436	25.437	0.001406904	0.000990032	0.70	0.685
435	1267BK12#2008	292	25.501	0.000306518	0.024351082	79.44	0.394
436	1267BK12#2019	312	25.595	0.028381647	0.005090326	0.18	0.410
437	1267BK12#2025	392	25.655	0.014345448	0.023341615	1.63	0.277
438	1267BK12#2025	249	25.655	0.001339266	0.000370217	0.28	0.145
439	1267BK12#2030	392	25.709	0.021036505	0.023341615	1.11	0.728
440	1267BK12#2030	317	25.709	0.008714654	0.002106167	0.24	0.402
441	1267BK12#2038	292	25.782	0.006900837	0.008585937	1.24	0.073
442	1267BK12#2038	333	25.782	0.013222954	0.009104446	0.69	0.496
443	1267BK12#2053	244	25.909	0.007387320	0.004265746	0.58	0.438
444	1267BK12#2062#shikimic	204	25.990	0.104447269	0.109397585	1.05	0.951
445	1267BK12#2062#shikimic	462	25.990	0.000922730	0.000498252	0.54	0.391
446	1267BK12#2062#shikimic	372	25.990	0.000454679	0.001303735	2.87	0.092
447	1267BK12#2074#citric	375	26.100	0.219644885	0.131694998	0.60	0.495
448	1267BK12#2074#citric	273	26.100	0.776302011	0.736814833	0.95	0.845
449	1267BK12#2081#isocitric	319	26.172	0.012032470	0.007949710	0.66	0.345
450	1267BK12#2087	304	26.208	0.011894892	0.006536461	0.55	0.297
451	1267BK12#2114	316	26.461	0.002374034	0.026590028	11.20	0.000
452	1267BK12#2114	206	26.461	0.005938761	0.001640206	0.28	0.028
453	1267BK12#2124#dehydroascorbic	316	26.552	0.043729078	0.026590028	0.61	0.255
454	1267BK12#2124#dehydroascorbic	173	26.552	0.079083563	0.071243881	0.90	0.480
455	1267BK12#2124#dehydroascorbic	157	26.552	0.051855373	0.057213068	1.10	0.778
456	1267BK12#2145#quinic	255	26.743	0.001242131	0.001269670	1.02	0.962
457	1267BK12#2145#quinic	345	26.743	0.007759316	0.001606958	0.21	0.461
458	1267BK12#2151	260	26.798	0.003292392	0.003112861	0.95	0.862
459	1267BK12#2162	149	26.924	0.074511711	0.126413982	1.70	0.187
460	1267BK12#2171#fru MX1	307	26.980	4.972523200	5.793940884	1.17	0.655
461	1267BK12#2171#fru MX1	569	26.980	0.065359762	0.042173012	0.65	0.261
462	1267BK12#2177	389	27.026	0.009599675	0.002234321	0.23	0.346
463	1267BK12#2177	157	27.026	1.189145666	0.273033778	0.23	0.487
464	1267BK12#2181	307	27.082	2.960210744	5.500089216	1.86	0.238
465	1267BK12#2181	245	27.082	0.011806447	0.027116356	2.30	0.363
466	1267BK12#2190#fru MX2	307	27.154	3.930347848	4.588236525	1.17	0.652
467	1267BK12#2190#fru MX2	569	27.154	0.044512150	0.048218111	1.08	0.702
468	1267BK12#2196#man MX	160	27.208	0.032246161	0.034987121	1.09	0.776
469	1267BK12#2196#man MX	319	27.208	0.992102017	0.086374311	0.09	0.400
470	1267BK12#2216#glc MX1	160	27.390	2.641443197	2.468408163	0.93	0.891
471	1267BK12#2216#glc MX1	466	27.390	0.028606998	0.037700479	1.32	0.396
472	1267BK12#2220#nonadecane	85	27.429	3.451920085	2.714772556	0.79	0.017
473	1267BK12#2237#tyramine	174	27.591	0.132542244	0.125430432	0.95	0.911
474	1267BK12#2237#tyramine	338	27.591	0.000382712	0.000623305	1.63	0.218
475	1267BK12#2248#glc MX2	160	27.691	0.742254631	0.757441804	1.02	0.851
476	1267BK12#2248#glc MX2	319	27.691	1.078219918	1.358523584	1.26	0.311
477	1267BK12#2259	242	27.791	0.001973916	0.003967344	2.01	0.470
478	1267BK12#2259	389	27.791	0.026424646	0.003858173	0.15	0.443
479	1267BK12#2265	244	27.846	0.003913720	0.005708634	1.46	0.192
480	1267BK12#2270	362	27.891	0.003795075	0.002047614	0.54	0.176
481	1267BK12#2285	229	28.027	0.001620947	0.001514834	0.93	0.885
482	1267BK12#2285	330	28.027	0.001924487	0.000597120	0.31	0.286
483	1267BK12#2290#tyrosine	354	28.073	0.046005702	0.005150113	0.11	0.397
484	1267BK12#2298	404	28.137	0.007800952	0.002151612	0.28	0.448
485	1267BK12#2298	244	28.137	0.018645625	0.032283815	1.73	0.138
486	1267BK12#2309#L-ascorbic	332	28.246	0.001601921	0.001915755	1.20	0.610
487	1267BK12#2309#L-ascorbic	449	28.246	0.007748383	0.022575817	2.91	0.252

488	1267BK12#2309#L-ascorbic	464	28.246	0.001970570	0.002921038	1.48	0.117
489	1267BK12#2320#D-isoascorbic	332	28.348	0.001401401	0.001758044	1.25	0.534
490	1267BK12#2320#D-isoascorbic	332	28.348	0.001401401	0.001758044	1.25	0.534
491	1267BK12#2320#D-isoascorbic	449	28.348	0.017604660	0.029747723	1.69	0.190
492	1267BK12#2320#D-isoascorbic	449	28.348	0.017604660	0.029747723	1.69	0.190
493	1267BK12#2320#D-isoascorbic	464	28.348	0.001923349	0.000361224	0.19	0.097
494	1267BK12#2320#D-isoascorbic	464	28.348	0.001923349	0.000361224	0.19	0.097
495	1267BK12#2320#D-isoascorbic	332	28.348	0.001522381	0.001758044	1.15	0.665
496	1267BK12#2320#D-isoascorbic	464	28.348	0.001637603	0.000361224	0.22	0.199
497	1267BK12#2325	299	28.396	0.010497562	0.015143876	1.44	0.251
498	1267BK12#2336	420	28.496	0.000974558	0.000339606	0.35	0.082
499	1267BK12#2336	330	28.496	0.000560945	0.000201515	0.36	0.072
500	1267BK12#2341	420	28.550	0.000785079	0.000339606	0.43	0.240
501	1267BK12#2354	394	28.668	0.000127353	0.000053235	0.42	0.080
502	1267BK12#2364#c-caffeic	219	28.750	0.000616225	0.000361677	0.59	0.505
503	1267BK12#2364#c-caffeic	396	28.750	0.000091395	0.000072048	0.79	0.574
504	1267BK12#2364#c-caffeic	381	28.750	0.000091960	0.000076748	0.83	0.573
505	1267BK12#2370	204	28.806	0.047460680	0.054735034	1.15	0.783
506	1267BK12#2384	332	28.942	0.001351861	0.001366743	1.01	0.983
507	1267BK12#2384	190	28.942	0.006616168	0.002639092	0.40	0.229
508	1267BK12#2396	447	29.051	0.007475853	0.006683907	0.89	0.776
509	1267BK12#2401	190	29.079	0.001626983	0.001761988	1.08	0.884
510	1267BK12#2401	230	29.079	0.001718116	0.000442348	0.26	0.423
511	1267BK12#2412	206	29.188	0.006793444	0.006494740	0.96	0.746
512	1267BK12#2412	116	29.188	0.004497967	0.004780523	1.06	0.835
513	1267BK12#2436	174	29.406	0.037902133	0.056658639	1.49	0.286
514	1267BK12#2455	319	29.578	0.054976981	0.079577042	1.45	0.298
515	1267BK12#2463	373	29.652	0.012254778	0.000382139	0.03	0.389
516	1267BK12#2476#16:0	313	29.770	0.044204802	0.056241778	1.27	0.296
517	1267BK12#2483	360	29.833	0.019236460	0.000615016	0.03	0.394
518	1267BK12#2512	484	30.097	0.000488740	0.000084028	0.17	0.430
519	1267BK12#2527#dopamine	174	30.234	0.000691317	0.001460794	2.11	0.285
520	1267BK12#2527#dopamine	426	30.234	0.000037873	0.000024372	0.64	0.182
521	1267BK12#2537	288	30.326	0.000565899	0.000625998	1.11	0.699
522	1267BK12#2548#myo-ino	507	30.426	0.153834633	0.024180639	0.16	0.396
523	1267BK12#2548#myo-ino	305	30.426	0.546821172	0.773500500	1.41	0.322
524	1267BK12#2559	262	30.527	0.000672889	0.000548040	0.81	0.480
525	1267BK12#2559	205	30.527	0.043137593	0.072924617	1.69	0.300
526	1267BK12#2560#t-ferulic	338	30.536	0.001163299	0.001053168	0.91	0.708
527	1267BK12#2560#t-ferulic	249	30.536	0.000670201	0.000653734	0.98	0.850
528	1267BK12#2560#t-ferulic	323	30.536	0.000868380	0.000717132	0.83	0.312
529	1267BK12#2584	373	30.756	0.001336613	0.002764884	2.07	0.332
530	1267BK12#2589	319	30.784	0.043206868	0.040777883	0.94	0.888
531	1267BK12#2609	319	30.975	0.008128493	0.012040246	1.48	0.322
532	1267BK12#2620	352	31.102	0.003109082	0.000314586	0.10	0.331
533	1267BK12#2633#t-caffeic	396	31.194	0.000521240	0.000372082	0.71	0.478
534	1267BK12#2633#t-caffeic	219	31.194	0.000950999	0.001115776	1.17	0.668
535	1267BK12#2633#t-caffeic	381	31.194	0.002695633	0.000100551	0.04	0.393
536	1267BK12#2639	319	31.258	0.008622428	0.003477968	0.40	0.329
537	1267BK12#2660#noradrenalin 5	174	31.449	0.000580459	0.001847163	3.18	0.071
538	1267BK12#2685	364	31.686	0.000676242	0.000474361	0.70	0.012
539	1267BK12#2685	230	31.686	0.000682343	0.000668445	0.98	0.955
540	1267BK12#2715	249	31.950	0.030989711	0.041465114	1.34	0.683
541	1267BK12#2715	204	31.950	0.069711136	0.451306272	6.47	0.000
542	1267BK12#2723	218	32.024	0.003463843	0.018904916	5.46	0.000
543	1267BK12#2723	235	32.024	0.003547136	0.005081053	1.43	0.446
544	1267BK12#2734#docosane	85	32.126	3.133778053	2.663952196	0.85	0.057
545	1267BK12#2738	357	32.166	0.000089363	0.000548898	6.14	0.092
546	1267BK12#2738	445	32.166	0.001058173	0.000176395	0.17	0.449
547	1267BK12#2742#tryptophan 2	202	32.204	0.007626627	0.021320479	2.80	0.010
548	1267BK12#2742#tryptophan 2	391	32.204	0.000393953	0.000788347	2.00	0.002
549	1267BK12#2742#tryptophan 2	278	32.204	0.000489168	0.001277262	2.61	0.001
550	1267BK12#2758#tryptophan 3	202	32.350	0.042697558	0.241992059	5.67	0.001

551	1267BK12#2758#tryptophan 3	291	32.350	0.004628605	0.024833977	5.37	0.001
552	1267BK12#2758#tryptophan 3	200	32.350	0.003528661	0.007086318	2.01	0.096
553	1267BK12#2801#18:0	341	32.742	0.040054854	0.052101615	1.30	0.444
554	1267BK12#2809#t-sinapic	368	32.815	0.066537339	0.061467105	0.92	0.629
555	1267BK12#2809#t-sinapic	338	32.815	0.058507765	0.063093569	1.08	0.725
556	1267BK12#2809#t-sinapic	353	32.815	0.025578238	0.032958073	1.29	0.509
557	1267BK12#2822	159	32.933	0.011871699	0.012762266	1.08	0.809
558	1267BK12#2822	286	32.933	0.001673830	0.001839839	1.10	0.744
559	1267BK12#2859	290	33.272	0.015772331	0.022999144	1.46	0.151
560	1267BK12#2859	319	33.272	0.005876300	0.009476935	1.61	0.209
561	1267BK12#2881	263	33.472	0.000415629	0.000387877	0.93	0.887
562	1267BK12#2881	259	33.472	0.004464872	0.000064796	0.01	0.387
563	1267BK12#2907	328	33.719	0.007830349	0.006716495	0.86	0.708
564	1267BK12#2908#fru-6-P MX	315	33.718	0.001242129	0.003151150	2.54	0.198
565	1267BK12#2908#fru-6-P MX	260	33.718	0.000325501	0.000241582	0.74	0.507
566	1267BK12#2921	173	33.820	0.015749585	0.001120814	0.07	0.385
567	1267BK12#2926#glc-6-P MX1	387	33.892	0.004137425	0.007501585	1.81	0.385
568	1267BK12#2944	277	34.057	0.000845764	0.000097214	0.11	0.361
569	1267BK12#2944	204	34.057	0.005834471	0.003032232	0.52	0.388
570	1267BK12#2953#glc-6-P MX2	387	34.131	0.001314515	0.001468894	1.12	0.857
571	1267BK12#2958	417	34.177	0.000768482	0.000921755	1.20	0.612
572	1267BK12#2958	489	34.177	0.000993415	0.000379167	0.38	0.426
573	1267BK12#2975	331	34.332	0.002667214	0.005227129	1.96	0.005
574	1267BK12#2975	204	34.332	0.002029094	0.008842734	4.36	0.037
575	1267BK12#2975	172	34.332	0.001274263	0.000894505	0.70	0.369
576	1267BK12#2980	331	34.379	0.005169575	0.005227129	1.01	0.962
577	1267BK12#2980	262	34.379	0.002887988	0.002740162	0.95	0.770
578	1267BK12#2980	421	34.379	0.002929841	0.002202651	0.75	0.502
579	1267BK12#3007	351	34.626	0.019836219	0.000878084	0.04	0.401
580	1267BK12#3007	204	34.626	0.073453831	0.033914481	0.46	0.240
581	1267BK12#3014	292	34.690	0.045423275	0.016973250	0.37	0.150
582	1267BK12#3014	204	34.690	0.080749312	0.060631032	0.75	0.542
583	1267BK12#3034	91	34.872	0.002777340	0.000832326	0.30	0.046
584	1267BK12#3034	204	34.872	0.003475514	0.061748044	17.77	0.063
585	1267BK12#3058	356	35.138	0.001843289	0.001902195	1.03	0.952
586	1267BK12#3058	262	35.138	0.001809559	0.001034230	0.57	0.255
587	1267BK12#3061#myo-ino-2-P 1	318	35.131	0.002119435	0.003359978	1.59	0.097
588	1267BK12#3081	159	35.302	0.000147428	0.001082531	7.34	0.000
589	1267BK12#3097	245	35.458	0.000836623	0.001173297	1.40	0.061
590	1267BK12#3097	360	35.458	0.000478561	0.000769393	1.61	0.211
591	1267BK12#3118	430	35.642	0.001241585	0.001665473	1.34	0.340
592	1267BK12#3118	360	35.642	0.002723423	0.001545509	0.57	0.511
593	1267BK12#3179	204	36.200	0.009947955	0.021901004	2.20	0.038
594	1267BK12#3179	247	36.200	0.000197923	0.000259947	1.31	0.576
595	1267BK12#3189	105	36.292	0.001069595	0.001090345	1.02	0.959
596	1267BK12#3189	356	36.292	0.001274864	0.001367552	1.07	0.881
597	1267BK12#3189	223	36.292	0.000299706	0.000390580	1.30	0.507
598	1267BK12#3203	321	36.419	0.075274410	0.038774633	0.52	0.471
599	1267BK12#3203	204	36.419	0.144945150	0.233613364	1.61	0.171
600	1267BK12#3203	361	36.419	0.009220366	0.016236420	1.76	0.136
601	1267BK12#3258	219	36.923	0.012186371	0.010298456	0.85	0.705
602	1267BK12#3278	290	37.107	0.000091086	0.000200632	2.20	0.026
603	1267BK12#3283	304	37.144	0.000106553	0.000063522	0.60	0.431
604	1267BK12#3283	175	37.144	0.000095826	0.000272143	2.84	0.175
605	1267BK12#3302	361	37.336	0.003656941	0.004943636	1.35	0.410
606	1267BK12#3302	267	37.336	0.000538499	0.000335665	0.62	0.342
607	1267BK12#3317	254	37.465	0.000182982	0.000373107	2.04	0.167
608	1267BK12#3323	535	37.520	0.000175786	0.000219324	1.25	0.655
609	1267BK12#3382#sucrose	437	38.090	0.435879183	0.446249474	1.02	0.949
610	1267BK12#3386#sucrose	451	38.099	0.334671499	0.178835654	0.53	0.235
611	1267BK12#3391	423	38.169	0.072172234	0.004578381	0.06	0.378
612	1267BK12#3431	204	38.510	0.022683419	0.039434020	1.74	0.003
613	1267BK12#3467	450	38.859	0.002776694	0.000135627	0.05	0.404

614	1267BK12#3487	204	39.034	0.011611188	0.010212952	0.88	0.352
615	1267BK12#3515#maltose MX1	204	39.300	0.021981185	0.011416432	0.52	0.267
616	1267BK12#3515#maltose MX1	160	39.300	0.002098732	0.001352235	0.64	0.406
617	1267BK12#3522#trehalose	191	39.356	0.013428924	0.005414362	0.40	0.007
618	1267BK12#3559	193	39.695	0.001358616	0.002074303	1.53	0.310
619	1267BK12#3586	105	39.944	0.123505934	0.098291605	0.80	0.142
620	1267BK12#3586	179	39.944	0.119456733	0.142171266	1.19	0.622
621	1267BK12#3594#octacosane	85	40.018	2.707432619	2.318165637	0.86	0.043
622	1267BK12#3622	277	40.279	0.026159948	0.000056451	0.00	0.390
623	1267BK12#3633	450	40.380	0.000116516	0.000160440	1.38	0.326
624	1267BK12#3668	345	40.730	0.000141225	0.000185021	1.31	0.455
625	1267BK12#3668	175	40.730	0.000142828	0.000151805	1.06	0.888
626	1267BK12#3674	312	40.766	0.000128492	0.000040544	0.32	0.366
627	1267BK12#3674	219	40.766	0.000465130	0.000954689	2.05	0.056
628	1267BK12#3721	280	41.199	0.000094223	0.000111602	1.18	0.748
629	1267BK12#3768	191	41.631	0.001454321	0.000987728	0.68	0.415
630	1267BK12#3768	204	41.631	0.002075413	0.003362512	1.62	0.490
631	1267BK12#3775	289	41.688	0.000102837	0.000075726	0.74	0.595
632	1267BK12#3802	345	41.945	0.000108962	0.000067702	0.62	0.136
633	1267BK12#3802	249	41.945	0.000083495	0.000135476	1.62	0.230
634	1267BK12#3821	249	42.130	0.004635384	0.000088055	0.02	0.391
635	1267BK12#3827	204	42.167	0.075485107	0.238195392	3.16	0.002
636	1267BK12#3827	191	42.167	0.019262424	0.057969370	3.01	0.003
637	1267BK12#3827	433	42.167	0.003214682	0.010899851	3.39	0.003
638	1267BK12#3841#3-c-caffeoquinic	345	42.296	0.000543963	0.001715091	3.15	0.005
639	1267BK12#3841#3-c-caffeoquinic	255	42.296	0.000269272	0.000460580	1.71	0.342
640	1267BK12#3856	204	42.434	0.196441361	0.210208244	1.07	0.858
641	1267BK12#3856	433	42.434	0.016844416	0.005493078	0.33	0.340
642	1267BK12#3856	191	42.434	0.036158591	0.037829596	1.05	0.906
643	1267BK12#3858#5-c-caffeoquinic	345	42.462	0.000915279	0.001022862	1.12	0.762
644	1267BK12#3858#5-c-caffeoquinic	447	42.453	0.001441962	0.000023698	0.02	0.391
645	1267BK12#3865#4-c-caffeoquinic	307	42.517	0.001004049	0.001039547	1.04	0.923
646	1267BK12#3865#4-c-caffeoquinic	489	42.517	0.000313741	0.000057547	0.18	0.419
647	1267BK12#3930	396	43.127	0.000436114	0.000082498	0.19	0.432
648	1267BK12#3930	219	43.127	0.004076020	0.004136939	1.01	0.976
649	1267BK12#3954	396	43.339	0.000269650	0.000039648	0.15	0.368
650	1267BK12#3954	219	43.339	0.002561636	0.000244119	0.10	0.160
651	1267BK12#3963	345	43.431	0.000118693	0.000054685	0.46	0.289
652	1267BK12#3963	396	43.431	0.000045267	0.000019762	0.44	0.056
653	1267BK12#3987#3-t-caffeoquinic	345	43.644	0.000064442	0.000058610	0.91	0.675
654	1267BK12#3987#3-t-caffeoquinic	255	43.644	0.000135465	0.000048818	0.36	0.389
655	1267BK12#3996	204	43.730	0.161809605	0.317988716	1.97	0.091
656	1267BK12#3996	363	43.730	0.005415253	0.004038616	0.75	0.535
657	1267BK12#4004	597	43.806	0.043322393	0.015937795	0.37	0.472
658	1267BK12#4045	249	44.176	0.000274212	0.000168248	0.61	0.385
659	1267BK12#4045	255	44.176	0.003303858	0.000094056	0.03	0.375
660	1267BK12#4062#4-t-caffeoquinic	307	44.343	0.000079464	0.000061929	0.78	0.266
661	1267BK12#4062#4-t-caffeoquinic	489	44.343	0.000031521	0.000052796	1.67	0.272
662	1267BK12#4075#dotriacontane	85	44.468	2.572212548	2.251510938	0.88	0.080
663	1267BK12#4085#5-t-caffeoquinic	307	44.565	0.000077421	0.000072343	0.93	0.808
664	1267BK12#4085#5-t-caffeoquinic	447	44.565	0.000032229	0.000022005	0.68	0.077
665	1267BK12#4096	204	44.658	0.001239398	0.000390145	0.31	0.115
666	1267BK12#4096	345	44.658	0.000093944	0.000040984	0.44	0.078
667	1267BK12#4175	279	45.399	0.000239304	0.000213003	0.89	0.813
668	1267BK12#4175	255	45.399	0.000100042	0.000084073	0.84	0.735
669	1267BK12#4278	361	46.352	0.182274557	0.474392265	2.60	0.001
670	1267BK12#4278	450	46.352	0.000487511	0.001139725	2.34	0.205
671	1267BK12#4278	319	46.352	0.007140818	0.026724953	3.74	0.000
672	1267BK12#4302	441	46.585	0.011792717	0.034330675	2.91	0.002
673	1267BK12#4500#hexatriacontane	85	48.418	2.266417812	1.984821912	0.88	0.078
674	1267BK14#3416	204	38.418	0.013318841	0.012901323	0.97	0.910
675	1267BK14#3416	217	38.418	0.004552101	0.004537836	1.00	0.993
676	1267BK14#3416	451	38.418	0.000911712	0.000124525	0.14	0.380

677	1267BK14#3416	361	38.418	0.004039469	0.002446936	0.61	0.251
678	1267BK38#3430	204	38.538	0.017549562	0.039434020	2.25	0.023
679	1267BK38#3430	361	38.538	0.002378486	0.003396845	1.43	0.101
680	1267BK38#3430	423	38.538	0.000894622	0.001383330	1.55	0.251
681	1267BK38#3466	361	38.873	0.010071977	0.007149685	0.71	0.603
682	1267BK38#3466	423	38.873	0.001616263	0.000084465	0.05	0.408
683	1267BK38#3466	217	38.873	0.020954970	0.009473851	0.45	0.281
684	1267BK38#4348	259	47.146	0.000085852	0.000085757	1.00	0.998
685	1267BK38#4348	217	47.146	0.000182150	0.000174941	0.96	0.925
686	1267BK38#4348	349	47.146	0.000025124	0.000032221	1.28	0.423
687	1267BK38#4360	361	47.254	0.000094157	0.000068241	0.72	0.343
688	1267BK38#4360	204	47.254	0.000184522	0.000174088	0.94	0.838
689	1267BK38#4360	271	47.254	0.000055056	0.000057324	1.04	0.922
690	1283BV06#2056#glyceric-3-P	357	25.932	0.003454063	0.002132847	0.62	0.091
691	1286BU03#0764#norvaline 2	144	14.409	0.000542816	0.000596734	1.10	0.887
692	1286BU03#0764#norvaline 2	218	14.409	0.008170127	0.000110535	0.01	0.178
693	1286BU04#2069#isocitric	245	26.178	0.028169646	0.007026241	0.25	0.437
694	1286BU04#2069#isocitric	375	26.178	0.104704392	0.098157941	0.94	0.853
695	1286BU07#2401#saccharic	292	29.206	0.004150191	0.008903920	2.15	0.041
696	1286BU08#2094	160	26.428	0.008381594	0.009278467	1.11	0.771
697	1286BU08#2094	334	26.428	0.001470557	0.000371103	0.25	0.368
698	1286BU08#2094	189	26.428	0.002119142	0.002116492	1.00	0.999
699	1286BU08#2283#galacturonic MX1	160	28.162	0.003495111	0.026471248	7.57	0.411
700	1286BU08#2314#galacturonic MX2	160	28.449	0.001719500	0.000882558	0.51	0.476
701	1286BU10#2380#gluconic	333	29.046	0.034844498	0.021033265	0.60	0.235
702	1286BU10#2380#gluconic	292	29.046	0.028526453	0.032322487	1.13	0.730
703	1286BU10#2380#gluconic	423	29.046	0.004339764	0.002514239	0.58	0.333
704	1286BU10#2380#gluconic	433	29.046	0.016284199	0.003375076	0.21	0.377
705	1286BU13#1452#g-aminobutyric 3	174	20.640	0.615801065	1.194297808	1.94	0.055
706	1286BU13#1452#g-aminobutyric 3	304	20.640	0.247364784	0.233790718	0.95	0.898
707	1310BK02#3728#d-tocopherol	474+475	41.175	0.000054501	0.000045172	0.83	0.575
708	1310BK02#3728#d-tocopherol	208	41.175	0.000319473	0.000232004	0.73	0.465
709	1310BK02#3834#b-tocopherol	488+489	42.144	0.000065954	0.000064406	0.98	0.945
710	1310BK02#3834#b-tocopherol	223	42.144	0.000499417	0.000224516	0.45	0.551
711	1310BK02#3848#g-tocopherol	488+489	42.273	0.000040755	0.000034712	0.85	0.682
712	1310BK02#3848#g-tocopherol	223	42.273	0.000088537	0.000118484	1.34	0.477
713	1310BK02#4014#a-tocopherol	502+503	43.815	0.000084226	0.000049066	0.58	0.092
714	1310BK02#4014#a-tocopherol	237	43.815	0.001794024	0.000083180	0.05	0.384
715	1310BK02#4065#a-tocopherolacet	430	44.291	0.000098842	0.000083688	0.85	0.738
716	1310BK02#4065#a-tocopherolacet	165	44.291	0.000176194	0.000204600	1.16	0.771
717	1323AU19#2803#myo-ino-1-P 1	299	35.149	0.001700509	0.001714414	1.01	0.971
718	1323AU19#2803#myo-ino-1-P 1	318	35.149	0.002119435	0.003359978	1.59	0.097
719	1323AU19#2803#myo-ino-1-P 1	387	35.149	0.000526837	0.000943592	1.79	0.123
720	1323AU19#2897#myo-ino-1-P 2	318	35.928	0.000121159	0.000110073	0.91	0.799
721	1323AU19#2897#myo-ino-1-P 2	387	35.928	0.000036322	0.000035732	0.98	0.937
722	1323AU19#2897#myo-ino-1-P 2	494	35.928	0.000042748	0.000026572	0.62	0.247
723	1323AU30#3400#isomaltose	361	40.963	0.002913065	0.007428176	2.55	0.032
724	1323AU30#3400#isomaltose	160	40.963	0.000803882	0.002360852	2.94	0.032
725	1323AU30#3400#isomaltose	480	40.963	0.000090606	0.000348941	3.85	0.015
726	1323AU39#2079#ononitol	265	28.275	0.001149028	0.000639766	0.56	0.272
727	1323AU39#2079#ononitol	318	28.275	0.002215326	0.002611919	1.18	0.671
728	1323AU39#2079#ononitol	507	28.275	0.000177625	0.000089217	0.50	0.149
729	1324BK14#2728#glc-6-P MX1	160	33.886	0.009571304	0.003574372	0.37	0.492
730	1324BK14#2752#glc-6-P MX2	299	34.122	0.000713643	0.001764985	2.47	0.261
731	1324BK14#2752#glc-6-P MX2	471	34.122	0.000840806	0.000397222	0.47	0.586
732	1324BK16#2662#fru-6-P MX	459	33.716	0.000131611	0.000293434	2.23	0.290
733	1324BK20#2928#gluconic-6-P	299	35.281	0.000602761	0.000060348	0.10	0.209
734	1324BK20#2928#gluconic-6-P	387	35.281	0.000893097	0.000051631	0.06	0.385
735	1324BK22#2721#man-6-P MX1	387	33.720	0.001187156	0.001380004	1.16	0.641
736	1324BK22#2721#man-6-P MX1	160	33.720	0.002147911	0.002139317	1.00	0.992
737	1324BK22#2739#man-6-P MX2	387	33.893	0.005999733	0.007501585	1.25	0.736
738	1324BK23#1767#glycerol-3-P MX1	384	24.156	0.000050839	0.000028550	0.56	0.168
739	1324BK23#1767#glycerol-3-P MX1	299	24.156	0.000274394	0.000218905	0.80	0.650



740	1324BK23#1792#glyceral-3-P MX2	328	24.394	0.000146902	0.000437483	2.98	0.254
741	1324BK23#1792#glyceral-3-P MX2	299	24.395	0.004340765	0.000339570	0.08	0.412
742	1324BK24#1877#glycerol-1-P	357	25.120	0.002490244	0.006390816	2.57	0.001
743	1324BK24#1877#glycerol-1-P	299	25.120	0.003329256	0.007208658	2.17	0.006
744	1324BK31#2823#myo-ino-2-P 1	387	35.131	0.000538397	0.000943592	1.75	0.120
745	1324BK31#2898#myo-ino-2-P 2	387	35.873	0.000052185	0.000051527	0.99	0.951
746	1324BK31#2898#myo-ino-2-P 2	318	35.873	0.000189551	0.000113040	0.60	0.363
747	1325BK16#0403#d4-alanine 2	120	11.028	0.003972608	0.014430561	3.63	0.075
748	1325BK16#0914#g-aminobutyric 2	102	15.830	0.085118225	0.026856588	0.32	0.131
749	1325BK16#0914#g-aminobutyric 2	232	15.830	0.007689593	0.003180694	0.41	0.050
750	1325BK16#1034	266	16.936	0.647355353	0.391328956	0.60	0.379
751	1325BK16#1034	192	16.936	1.982360829	2.311879957	1.17	0.705
752	1325BK16#1302	338	19.407	0.058159082	0.037681224	0.65	0.502
753	1325BK16#1302	236	19.407	0.242499288	0.375001110	1.55	0.363
754	1325BK16#1308	232	19.462	0.024854129	0.034510842	1.39	0.405
755	1325BK16#1403	283	20.347	0.009142633	0.005753935	0.63	0.208
756	1325BK16#1537	247	21.624	0.009948456	0.017594343	1.77	0.075
757	1325BK16#1537	349	21.624	0.002155335	0.003168425	1.47	0.036
758	1325BK16#1546	306	21.692	0.016042891	0.010913847	0.68	0.165
759	1325BK16#1552	142	21.757	0.024774101	0.034979497	1.41	0.176
760	1325BK16#1552	186	21.757	0.026144865	0.030141316	1.15	0.499
761	1325BK16#1589	273	22.099	0.015354306	0.023484319	1.53	0.233
762	1325BK16#1610	160	22.293	0.007087330	0.001589561	0.22	0.321
763	1325BK16#1749	159	23.595	0.003955916	0.003273602	0.83	0.827
764	1325BK16#1900	273	25.004	0.047710802	0.048962005	1.03	0.946
765	1325BK16#1946	174	25.435	0.004286699	0.003721854	0.87	0.828
766	1325BK16#1946	299	25.435	0.001916988	0.005087199	2.65	0.229
767	1325BK16#2257	203	28.362	0.004515106	0.004433809	0.98	0.980
768	1325BK16#2261	299	28.410	0.010805689	0.015094837	1.40	0.245
769	1325BK16#2261	204	28.410	0.005292764	0.007852784	1.48	0.484
770	1325BK16#2280	284	28.593	0.000193077	0.000110297	0.57	0.418
771	1325BK16#2280	244	28.593	0.000543684	0.000294573	0.54	0.358
772	1325BK16#2372	185	29.448	0.000807060	0.000250898	0.31	0.414
773	1325BK16#2500#uric 4	456	30.735	0.003232018	0.003404309	1.05	0.869
774	1325BK16#2500#uric 4	441	30.735	0.003526632	0.004115954	1.17	0.733
775	1325BK16#2538	319	31.100	0.010829536	0.012046880	1.11	0.790
776	1325BK16#2547	319	31.189	0.012825495	0.013594824	1.06	0.884
777	1325BK16#2620	199	31.914	0.000106956	0.000159665	1.49	0.429
778	1325BK16#2633	263	32.041	0.001298863	0.001840609	1.42	0.771
779	1325BK16#2721	179	32.913	0.001897693	0.001023403	0.54	0.362
780	1325BK16#2781	250	33.500	0.000176659	0.000278768	1.58	0.230
781	1325BK16#2785	246	33.539	0.000173632	0.000278082	1.60	0.265
782	1325BK16#2906	387	34.720	0.000066762	0.000032901	0.49	0.081
783	1325BK16#2906	299	34.720	0.000836079	0.000460687	0.55	0.615
784	1325BK16#2954	390	35.184	0.000135397	0.000156293	1.15	0.665
785	1325BK16#2978	348	35.419	0.000078978	0.000057330	0.73	0.454
786	1325BK16#3052	374	36.146	0.003036523	0.000041678	0.01	0.393
787	1325BK16#3060	374	36.226	0.000032995	0.000052527	1.59	0.194
788	1325BK16#3075	374	36.376	0.000081081	0.000028463	0.35	0.280
789	1325BK16#3075	260	36.376	0.000189302	0.000205787	1.09	0.718
790	1325BK16#3089	204	36.514	0.141770989	0.233521884	1.65	0.178
791	1325BK16#3089	421	36.514	0.008757495	0.000044344	0.01	0.391
792	1325BK16#3138	462	37.006	0.005330192	0.000015891	0.00	0.391
793	1325BK16#3138	204	37.006	0.014026342	0.013890590	0.99	0.981
794	1325BK16#3148	473	37.105	0.000020919	0.000015342	0.73	0.482
795	1325BK16#3171	271	37.336	0.000899344	0.001135784	1.26	0.537
796	1325BK16#3184	186	37.464	0.000134316	0.000075210	0.56	0.340
797	1325BK16#3191	204	37.533	0.001398417	0.001255155	0.90	0.835
798	1325BK16#3191	117	37.533	0.002001070	0.002989107	1.49	0.389
799	1325BK16#3281	423	38.416	0.004640113	0.000404758	0.09	0.391
800	1325BK16#3284	349	38.446	0.000128130	0.000151692	1.18	0.840
801	1325BK16#3284	259	38.446	0.000307608	0.000571977	1.86	0.238
802	1325BK16#3293	156	38.535	0.000263652	0.000173686	0.66	0.312

803	1325BK16#3293	317	38.535	0.006021744	0.000366325	0.06	0.404
804	1325BK16#3299	450	38.593	0.000772421	0.000701527	0.91	0.785
805	1325BK16#3299	284	38.593	0.001200201	0.002017329	1.68	0.162
806	1325BK16#3311	175	38.712	0.000122137	0.000151953	1.24	0.561
807	1325BK16#3387	466	39.459	0.000478613	0.000201288	0.42	0.288
808	1325BK16#3387	262	39.459	0.001133867	0.000788325	0.70	0.478
809	1325BK16#3392	433	39.508	0.000444409	0.000467953	1.05	0.835
810	1325BK16#3414	160	39.724	0.002246874	0.002126526	0.95	0.776
811	1325BK16#3426	348	39.842	0.000840346	0.001584844	1.89	0.121
812	1325BK16#3481	355	40.380	0.000172875	0.000187483	1.08	0.725
813	1325BK16#3496	189	40.533	0.002732510	0.000528152	0.19	0.372
814	1325BK16#3496	204	40.533	0.006907593	0.010500875	1.52	0.214
815	1325BK16#3521	312	40.778	0.000043595	0.000046714	1.07	0.806
816	1325BK16#3530	525	40.866	0.001413478	0.000073163	0.05	0.395
817	1325BK16#3530	204	40.866	0.006669204	0.016053205	2.41	0.044
818	1325BK16#3530	345	40.866	0.000178937	0.000227998	1.27	0.482
819	1325BK16#3549	251	41.051	0.000052389	0.000129458	2.47	0.035
820	1325BK16#3549	292	41.051	0.000389182	0.000138110	0.35	0.484
821	1325BK16#3566	332	41.216	0.001023390	0.001258438	1.23	0.180
822	1325BK16#3566	361	41.216	0.000546066	0.001433235	2.62	0.034
823	1325BK16#3571	358	41.255	0.000313585	0.000048321	0.15	0.399
824	1325BK16#3607	251	41.615	0.000071874	0.000133479	1.86	0.132
825	1325BK16#3607	292	41.615	0.000085037	0.000079520	0.94	0.908
826	1325BK16#3614	318	41.684	0.000563032	0.000271379	0.48	0.589
827	1325BK16#3622	204	41.762	0.004648494	0.007680504	1.65	0.046
828	1325BK16#3663	318	42.161	0.020994566	0.004722833	0.22	0.452
829	1325BK16#3692	318	42.441	0.068828030	0.004719369	0.07	0.382
830	1325BK16#3703	204	42.548	0.194863589	0.210208244	1.08	0.845
831	1325BK16#3703	259	42.548	0.000609758	0.000436824	0.72	0.544
832	1325BK16#3802	375	43.487	0.000065066	0.000134376	2.07	0.177
833	1325BK16#3802	318	43.487	0.000103943	0.000155622	1.50	0.505
834	1325BK16#3825	91	43.721	0.036551214	0.001022041	0.03	0.389
835	1325BK16#3825	204	43.721	0.161125388	0.317213465	1.97	0.096
836	1325BK16#3923	91	44.673	0.000236805	0.000338962	1.43	0.376
837	1325BK16#3923	204	44.673	0.000863766	0.000238479	0.28	0.128
838	1325BK16#3944	349	44.873	0.000034916	0.000040972	1.17	0.699
839	1325BK16#3976	119	45.182	0.000419006	0.000150197	0.36	0.108
840	1325BK16#3976	259	45.182	0.000599355	0.000097785	0.16	0.389
841	1325BK16#4011	91	45.511	0.000205822	0.000249283	1.21	0.696
842	1325BK16#4011	204	45.511	0.001003760	0.000428128	0.43	0.027
843	1325BK16#4041	349	45.796	0.000032671	0.000023798	0.73	0.417
844	1325BK16#4304	441	48.284	0.001706020	0.000288251	0.17	0.185
845	1331BK22#2910	202	34.720	0.006668305	0.000170147	0.03	0.022
846	1331BK22#2910	361	34.720	0.016303169	0.004717528	0.29	0.058
847	1333BN04#2233#galacturonic MX1	333	28.162	0.001821804	0.001550419	0.85	0.716
848	1333BN06#2264#galacturonic MX1	364	28.162	0.000416797	0.000207766	0.50	0.198
849	1333BN06#2295#galacturonic MX2	333	28.450	0.003997324	0.005223448	1.31	0.417
850	1333BN06#2376#saccharic	373	29.206	0.002089970	0.000223006	0.11	0.373
851	1333BN07#2253	243	28.406	0.011981039	0.002408884	0.20	0.400
852	1333BN09#2268	333	28.910	0.021542766	0.013865641	0.64	0.336
853	1333BN09#2268	292	28.910	0.044973804	0.040765753	0.91	0.453
854	1334BV09#1143#O-acet-serine	174	17.897	0.019121941	0.101502347	5.31	0.000
855	1334BV11#1880#putrescine 4	361	24.487	0.050599351	0.132123919	2.61	0.044
856	1334BV11#1880#putrescine 4	214	24.487	0.108519696	0.739976474	6.82	0.001
857	1334BV11#1885	256	24.533	0.448709732	0.204566209	0.46	0.600
858	1334BV12#1883	174	24.533	0.184928879	2.206757957	11.93	0.152
859	1334BV12#1883	213	24.533	0.054654977	0.349920299	6.40	0.000
860	1334BV12#1883	314	24.533	0.047156957	0.348286762	7.39	0.000
861	1334BV17#1407#N-acet-serine	132	20.301	0.008936142	0.019880796	2.22	0.002
862	1334BV17#1407#N-acet-serine	186	20.301	0.009045870	0.027980849	3.09	0.000
863	1334BV17#1407#N-acet-serine	261	20.301	0.014809481	0.020893224	1.41	0.445
864	1334BV19#3944	204	43.806	0.163215030	0.317487561	1.95	0.094
865	1334BV19#3944	337	43.806	0.014092794	0.017313144	1.23	0.467

866	1334BV20#2975	451	34.690	0.009064386	0.004063969	0.45	0.079
867	1334BV20#2975	375	34.690	0.018846756	0.009357178	0.50	0.050
868	1334BV20#3961	202	43.806	0.034415765	0.000876529	0.03	0.029
869	1334BV20#3961	227	43.806	0.054230985	0.001335351	0.02	0.172
870	1334BV21#1152#O-acet-serine	116	17.897	0.010025907	0.037160811	3.71	0.000
871	1334BV21#1152#O-acet-serine	132	17.897	0.013700058	0.045013923	3.29	0.001
872	1334BV21#1407	289	20.257	0.002663213	0.031839085	11.96	0.004
873	1334BV21#1407	304	20.257	0.074019845	0.015379180	0.21	0.477
874	1334BV21#2181	174	27.244	0.109747383	0.897144421	8.17	0.000
875	1334BV21#2181	347	27.244	0.010604683	0.074711442	7.05	0.001
876	1334BV21#2181	405	27.244	0.057864892	0.046725488	0.81	0.841
877	1334BV27#1828	392	24.032	0.006547375	0.003782452	0.58	0.111
878	1334BV27#1828	275	24.032	0.037092511	0.018578609	0.50	0.539
879	1334BV27#2301	257	28.358	0.015662859	0.005377805	0.34	0.151
880	1334BV27#2301	188	28.358	0.010013559	0.017601662	1.76	0.348
881	1334BV27#3745	361	41.695	0.003758417	0.000573762	0.15	0.085
882	1334BV27#3745	306	41.695	0.001542784	0.000101538	0.07	0.157
883	1334BV27#3745	217	41.695	0.003572058	0.002423672	0.68	0.392
884	1334BV27#3812	361	42.311	0.002567016	0.000137671	0.05	0.055
885	1334BV27#3812	319	42.311	0.002348970	0.000083334	0.04	0.346
886	1334BV27#3812	85	42.311	0.006461335	0.007931136	1.23	0.517
887	1334BV27#3844	140	42.609	0.010028063	0.000705641	0.07	0.033
888	1334BV27#3844	361	42.609	0.004254137	0.000306263	0.07	0.050
889	1334BV27#3844	169	42.609	0.065552624	0.063133639	0.96	0.975
890	1334BV27#3864	324	42.790	0.096841848	0.350102689	3.62	0.001
891	1334BV27#3864	361	42.790	0.067146042	0.272861836	4.06	0.002
892	1334BV27#3864	450	42.790	0.015779252	0.065838294	4.17	0.003
893	1334BV27#3887	361	42.991	0.028931947	0.144012624	4.98	0.203
894	1334BV27#3887	217	42.991	0.016041721	0.213894502	13.33	0.046
895	1334BV27#3887	169	42.991	0.023057885	0.097515076	4.23	0.075
896	1334BV27#3920	361	43.298	0.010611502	0.000312752	0.03	0.014
897	1334BV27#3920	217	43.298	0.007202977	0.001121681	0.16	0.048
898	1334BV27#3920	169	43.298	0.002774307	0.000244432	0.09	0.092
899	1334BV27#4011	130	44.138	0.019117235	0.000799440	0.04	0.032
900	1334BV27#4011	155	44.138	0.009138850	0.000517378	0.06	0.002
901	1334BV27#4011	361	44.138	0.009503110	0.000342164	0.04	0.071
902	1334BV27#4073	105	44.722	0.001641770	0.000199702	0.12	0.001
903	1334BV27#4073	361	44.722	0.000755270	0.000071820	0.10	0.024
904	1334BV27#4073	217	44.722	0.001702394	0.000271739	0.16	0.013
905	1334BV27#4103	257	45.004	0.006835972	0.000700614	0.10	0.033
906	1334BV27#4103	232	45.004	0.006525541	0.000594913	0.09	0.030
907	1334BV27#4103	379	45.004	0.000604501	0.000046692	0.08	0.020
908	1334BV28#1746	275	23.324	0.082479840	0.286401690	3.47	0.001
909	1334BV28#1746	244	23.324	0.016126066	0.038675797	2.40	0.000
910	1334BV28#1746	155	23.324	0.019520045	0.048041487	2.46	0.004
911	1334BV28#1779	243	23.526	0.027543474	0.235628295	8.55	0.000
912	1334BV28#1779	345	23.526	0.004053317	0.031525732	7.78	0.000
913	1334BV28#1779	317	23.526	0.003172997	0.026618213	8.39	0.000
914	1334BV28#1818	319	23.978	0.023657432	0.095305739	4.03	0.000
915	1334BV28#1818	304	23.978	0.012954144	0.042036384	3.25	0.000
916	1334BV28#1818	190	23.978	0.042211419	0.044549711	1.06	0.944
917	1334BV28#2060	231	26.208	0.019910155	0.019249067	0.97	0.896
918	1334BV28#2060	333	26.208	0.007034101	0.008293698	1.18	0.396
919	1334BV28#2060	480	26.208	0.076684569	0.004294175	0.06	0.392
920	1334BV28#2242	200	27.883	0.002098240	0.033866870	16.14	0.059
921	1334BV28#2242	389	27.883	0.000779830	0.017085692	21.91	0.065
922	1334BV28#2242	506	27.883	0.001359809	0.003464471	2.55	0.264
923	1334BV28#2287	347	28.308	0.015974135	0.015057173	0.94	0.879
924	1334BV28#2287	232	28.308	0.049422128	0.077897884	1.58	0.211
925	1334BV28#2287	449	28.308	0.017542087	0.029747723	1.70	0.190
926	1334BV28#2613	326	31.222	0.002253590	0.005768437	2.56	0.332
927	1334BV28#2613	290	31.222	0.001471725	0.009486040	6.45	0.025
928	1334BV28#2613	428	31.222	0.000674179	0.002285024	3.39	0.328

929	1334BV28#3011	204	35.139	0.003012987	0.045683574	15.16	0.017
930	1334BV28#3011	157	35.139	0.001248754	0.020031308	16.04	0.020
931	1334BV28#3011	191	35.139	0.001368091	0.011004014	8.04	0.018
932	1334BV28#3022	204	35.238	0.003026673	0.017294964	5.71	0.006
933	1334BV28#3022	157	35.238	0.001987489	0.018743722	9.43	0.006
934	1334BV28#3022	331	35.238	0.000373699	0.003450031	9.23	0.007
935	1334BV28#3050	105	35.495	0.005747475	0.010814237	1.88	0.052
936	1334BV28#3050	331	35.495	0.002682082	0.000757116	0.28	0.387
937	1334BV28#3050	217	35.495	0.006351564	0.011195080	1.76	0.075
938	1334BV28#3103	446	35.994	0.000103767	0.000438970	4.23	0.073
939	1334BV28#3103	415	35.994	0.001153074	0.000112620	0.10	0.375
940	1334BV28#3103	217	35.994	0.000909262	0.001991245	2.19	0.531
941	1334BV28#3422	406	38.997	0.015717168	0.012454690	0.79	0.408
942	1334BV28#3422	217	38.997	0.021194913	0.026528449	1.25	0.529
943	1334BV28#3422	495	38.997	0.001050859	0.001304652	1.24	0.592
944	1334BV28#3687	324	41.474	0.002904317	0.012180906	4.19	0.000
945	1334BV28#3687	450	41.474	0.001321282	0.002262947	1.71	0.165
946	1334BV28#3687	361	41.474	0.003302856	0.010237131	3.10	0.002
947	1334BV28#3753	204	42.076	0.016346717	0.178044187	10.89	0.000
948	1334BV28#3753	357	42.076	0.001095448	0.010521016	9.60	0.000
949	1334BV28#3753	239	42.076	0.001010696	0.011125791	11.01	0.000
950	1334BV28#3871	354	43.152	0.013056409	0.038383956	2.94	0.001
951	1334BV28#3871	361	43.152	0.008185596	0.020973322	2.56	0.009
952	1334BV28#3871	450	43.152	0.012927688	0.007683678	0.59	0.628
953	1338AU05#2775#sorbitol-6-P	387	34.463	0.000062949	0.000068773	1.09	0.777
954	1338AU05#2775#sorbitol-6-P	299	34.463	0.000149726	0.000088555	0.59	0.263
955	1338AU05#2775#sorbitol-6-P	315	34.463	0.000111148	0.000077248	0.69	0.362
956	1338AU07#2713#gal-6-P MX1	299	33.813	0.006307509	0.008616761	1.37	0.624
957	1338AU07#2713#gal-6-P MX1	387	33.813	0.003681053	0.007456389	2.03	0.340
958	1338AU07#2713#gal-6-P MX1	160	33.813	0.002158937	0.003562653	1.65	0.434
959	1338AU07#2745#gal-6-P MX2	387	34.107	0.000625034	0.001468894	2.35	0.249
960	1338AU12#1860#glyceric-3-P	299	25.932	0.001223204	0.000644536	0.53	0.096
961	1338AU12#1860#glyceric-3-P	387	25.932	0.000329574	0.000274939	0.83	0.807
962	1338AU12#1860#glyceric-3-P	459	25.932	0.000667391	0.000116184	0.17	0.399
963	1340AU03#1851#p-aminobenzoic	266	26.300	0.000715823	0.000445309	0.62	0.049
964	1340AU03#1851#p-aminobenzoic	281	26.300	0.000552920	0.000400743	0.72	0.447
965	1340AU03#1851#p-aminobenzoic	222	26.300	0.002069685	0.001429225	0.69	0.651
966	1340AU04#0792#norleucine 2	158	16.236	0.000095311	0.000127361	1.34	0.636
967	1340AU04#0792#norleucine 2	232	16.236	0.000084340	0.000071988	0.85	0.570
968	1340AU04#0792#norleucine 2	260	16.236	0.000112109	0.000137771	1.23	0.580
969	1340AU06#1981#allantoin 4	331	27.205	0.194120250	0.174451960	0.90	0.777
970	1340AU06#1981#allantoin 4	431	27.205	0.046827371	0.033697552	0.72	0.244
971	1340AU06#1981#allantoin 4	446	27.205	0.039174949	0.032540507	0.83	0.583
972	1340AU06#2014#allantoin 5	518	27.512	0.000422514	0.002353718	5.57	0.040
973	1340AU06#2014#allantoin 5	428	27.512	0.000355054	0.001595304	4.49	0.068
974	1340AU06#2014#allantoin 5	403	27.512	0.628369781	0.001252175	0.00	0.392
975	1340AU07#1942#adenine	264	26.916	0.064065832	0.012058313	0.19	0.388
976	1340AU07#1942#adenine	279	26.916	0.065053908	0.001011504	0.02	0.180
977	1340AU07#1942#adenine	192	26.916	0.001876016	0.001064404	0.57	0.181
978	1340AU09#2378#guanine	352	31.071	0.000534240	0.000182862	0.34	0.238
979	1340AU09#2378#guanine	367	31.071	0.000150548	0.000063228	0.42	0.176
980	1340AU09#2378#guanine	264	31.071	0.000337105	0.000304601	0.90	0.729
981	1340AU10#1717#aconitic	285	24.894	0.003201435	0.002180760	0.68	0.516
982	1340AU10#1717#aconitic	375	24.894	0.006267753	0.002594387	0.41	0.427
983	1340AU10#1717#aconitic	229	24.894	0.013743442	0.007454312	0.54	0.461
984	1340AU11#2058#p-coumaric	249	28.101	0.000788985	0.003504440	4.44	0.000
985	1340AU11#2058#p-coumaric	293	28.101	0.001710785	0.001321545	0.77	0.247
986	1340AU11#2058#p-coumaric	308	28.101	0.001436526	0.002381115	1.66	0.420
987	1340AU12#1826#o-coumaric	293	25.885	0.004099773	0.003293120	0.80	0.731
988	1340AU12#1826#o-coumaric	308	25.885	0.002020535	0.000475794	0.24	0.376
989	1340AU12#1826#o-coumaric	161	25.885	0.006704389	0.002786976	0.42	0.021
990	1340AU14#3254#adenosine	322	38.986	0.000087951	0.000103225	1.17	0.494
991	1340AU14#3254#adenosine	465	38.986	0.000122274	0.000116957	0.96	0.910

992	1340AU14#3254#adenosine	540	38.986	0.000324320	0.000018451	0.06	0.392
993	1340AU15#2109#indole-3-acetic	202	28.475	0.001660661	0.000235741	0.14	0.319
994	1340AU15#2109#indole-3-acetic	319	28.475	0.001645346	0.001694886	1.03	0.931
995	1340AU15#2109#indole-3-acetic	276	28.475	0.001558497	0.000123845	0.08	0.356
996	1340AU18#2564#spermidine	156	32.807	0.019245631	0.003728528	0.19	0.437
997	1340AU20#1028#S-me-cysteine 2	162	18.434	0.002013459	0.007949703	<b>3.95</b>	<b>0.009</b>
998	1340AU20#1028#S-me-cysteine 2	218	18.434	0.002103898	0.002124315	1.01	0.964
999	1340AU20#1028#S-me-cysteine 2	236	18.434	0.009606447	0.001068465	0.11	0.395
1000	1340AU21#0999#glutaric	158	18.132	0.002251241	0.001844307	0.82	0.216
1001	1340AU21#0999#glutaric	261	18.132	0.001378398	0.001278302	0.93	0.787
1002	1340AU21#0999#glutaric	233	18.132	0.000574618	0.000377318	0.66	0.094
1003	2009AU02#4302	204	46.743	0.015260477	0.001319016	0.09	0.405
1004	2009AU02#4302	191	46.743	0.007257180	0.004472396	0.62	0.556
1005	2009AU02#4302	259	46.743	0.000362285	0.000245694	0.68	0.499
1006	2009AU04#3664#melibiose MX1	204	40.845	0.007188742	0.016053205	<b>2.23</b>	<b>0.038</b>
1007	2009AU04#3664#melibiose MX1	361	40.845	0.002913946	0.007787842	<b>2.67</b>	<b>0.030</b>
1008	2009AU04#3664#melibiose MX1	480	40.845	0.000108319	0.000349548	<b>3.23</b>	<b>0.019</b>
1009	2009AU04#4352#melezitose	361	47.192	0.000084581	0.000109308	1.29	0.501
1010	2009AU04#4352#melezitose	451	47.192	0.000058427	0.000059311	1.02	0.954
1011	2009AU04#4352#melezitose	271	47.192	0.000097348	0.000062785	0.64	0.416
1012	2009AU07#3699#melibiose MX2	204	41.168	0.001187690	0.002722820	<b>2.29</b>	<b>0.023</b>
1013	2009AU07#3699#melibiose MX2	361	41.168	0.000557862	0.001454288	<b>2.61</b>	<b>0.028</b>
1014	2009AU07#3699#melibiose MX2	160	41.168	0.000202143	0.000544960	<b>2.70</b>	<b>0.030</b>
1015	2009AU13#3506#trehalose	169	39.356	0.027997516	0.001676866	0.06	0.053
1016	2009AU13#3506#trehalose	361	39.356	0.059962315	0.008081474	<b>0.13</b>	<b>0.040</b>
1017	2015BV03#0799#serine 2	219	14.818	0.050183867	0.164064026	<b>3.27</b>	<b>0.001</b>
1018	2015BV03#1056#serine 3	204	17.133	0.677968993	1.527944785	<b>2.25</b>	<b>0.025</b>
1019	2015BV03#1056#serine 3	278	17.133	0.038917721	0.087368595	<b>2.24</b>	<b>0.030</b>
1020	2015BV30#2713#tryptamine	174	32.434	0.001426448	0.002131900	1.49	0.459
1021	2015BV30#2713#tryptamine	273	32.434	0.000113422	0.000190791	1.68	0.343
1022	2015BV30#2713#tryptamine	361	32.434	0.009417697	0.000170781	0.02	0.394
1023	2066BN03#1003#nicotine	84	16.891	0.040887062	0.001357066	0.03	0.390
1024	2066BN03#1003#nicotine	133	16.891	0.158668655	0.138516364	0.87	0.837
1025	2066BN03#1003#nicotine	161+162	16.891	0.006236001	0.026192100	4.20	0.159
1026	2066BN03#1003#nicotine	85	16.891	0.002624836	0.003552021	1.35	0.695
1027	2066BN03#1382#salicylic	267	20.265	0.003506008	0.005141205	1.47	0.140
1028	2066BN03#1382#salicylic	268	20.265	0.001034903	0.001491603	1.44	0.148
1029	2066BN03#1382#salicylic	209	20.265	0.000678044	0.000810665	1.20	0.160
1030	2066BN03#1382#salicylic	91	20.265	0.003229301	0.001068645	0.33	0.426
1031	2066BN03#1722#t-o-coumaric	190	23.300	0.002226128	0.002394789	1.08	0.871
1032	2066BN03#1722#t-o-coumaric	293	23.300	0.000626762	0.000310734	0.50	0.427
1033	2066BN03#1722#t-o-coumaric	308	23.300	0.001643394	0.001512193	0.92	0.603
1034	2066BN03#1722#t-o-coumaric	161	23.300	0.004101349	0.001634880	0.40	0.281
1035	2077BN06#1973#galactonic	333	28.978	0.021542766	0.013865641	0.64	0.336
1036	2077BN06#1973#galactonic	292	28.978	0.032474324	0.040765753	1.26	0.520
1037	2077BN06#1973#galactonic	423	28.978	0.001743328	0.000912078	0.52	0.344
1038	2077BN06#1973#galactonic	433	28.978	0.003351911	0.003466334	1.03	0.894
1039	2077BN07#1944#gulonic	333	28.433	0.005012206	0.005392017	1.08	0.618
1040	2077BN07#1944#gulonic	292	28.433	0.004076369	0.005094759	1.25	0.491
1041	2077BN07#1944#gulonic	423	28.433	0.000463283	0.000401250	0.87	0.396
1042	2077BN07#1944#gulonic	433	28.433	0.003487127	0.000465668	0.13	0.370
1043	2077BN11#1910#glucuronic MX1	333	28.018	0.005184454	0.004649168	0.90	0.599
1044	2077BN11#1910#glucuronic MX1	160	28.018	0.003761140	0.003635951	0.97	0.927
1045	2077BN11#1910#glucuronic MX1	423	28.018	0.005047415	0.000296898	0.06	0.388
1046	2077BN11#1932#glucuronic MX2	160	28.245	0.002797808	0.002689293	0.96	0.934
1047	2077BN11#1932#glucuronic MX2	292	28.245	0.003707812	0.004753141	1.28	0.520
1048	2077BN11#1932#glucuronic MX2	393	28.245	0.001469873	0.003511795	2.39	0.428
1049	2081BN03#2686#t-3,5ME4OHcin MX	174	30.838	0.001391739	0.002665351	1.92	0.093
1050	2081BN03#2686#t-3,5ME4OHcin MX	248	30.838	0.000269646	0.000150284	0.56	0.163
1051	2081BN03#2686#t-3,5ME4OHcin MX	309	30.838	0.000259153	0.000161341	0.62	0.246
1052	2081BN04#2381#coniferyl alcol	324	28.143	0.001207546	0.001267489	1.05	0.812
1053	2081BN04#2381#coniferyl alcol	293	28.143	0.001451923	0.001160150	0.80	0.614
1054	2081BN04#2381#coniferyl alcol	235	28.143	0.000886748	0.000410474	0.46	0.263



1055	2081BN05#2389#t-3ME4OHcin MX2	248	28.252	0.000680091	0.000440490	0.65	0.578
1056	2081BN05#2389#t-3ME4OHcin MX2	279	28.252	0.000959795	0.000224052	0.23	0.292
1057	2081BN05#2389#t-3ME4OHcin MX2	218	28.252	0.002682203	0.003407635	1.27	0.493
1058	2081BN05#2406#t-3ME4OHcin MX1	279	28.437	0.000354350	0.000050122	0.14	0.000
1059	2081BN05#2406#t-3ME4OHcin MX1	248	28.437	0.000259623	0.000251487	0.97	0.950
1060	2081BN05#2406#t-3ME4OHcin MX1	218	28.437	0.001678036	0.002743472	1.63	0.587
1061	2081BN06#2646#sinapyl alkol	354	30.473	0.000529956	0.000404506	0.76	0.186
1062	2081BN06#2646#sinapyl alkol	234	30.473	0.001132191	0.001462333	1.29	0.427
1063	2081BN06#2646#sinapyl alkol	323	30.473	0.006217185	0.000884390	0.14	0.246
1064	2081BN09#3943	556	41.942	0.000015291	0.000023022	1.51	0.543
1065	2081BN09#3943	526	41.942	0.000032642	0.000014325	0.44	0.176
1066	2081BN09#3943	279	41.942	0.001339272	0.000146591	0.11	0.421
1067	2081BN33#3156	174	35.040	0.000266148	0.001047932	3.94	0.046
1068	2081BN33#3156	324	35.040	0.000048521	0.000123493	2.55	0.010
1069	2081BN33#3156	455	35.040	0.000563549	0.000034363	0.06	0.399
1070	2081BN33#3665	556	39.454	0.000019912	0.000009530	0.48	0.110
1071	2081BN33#3665	526	39.454	0.000070805	0.000034689	0.49	0.337
1072	2081BN33#3665	279	39.454	0.002385152	0.000170990	0.07	0.392