

Table S1. Description of individuals used for *Betula ermanii* range-wide provenance trials.

No. indiv.	ID	Site Abb.	Pop Abb.	Tape col.	Height (before)	Rabbit	Height (after)	Diameter (after)	Post-planting remarks
1	B-001	NYR	APW	blue	41.2	0	41.6	3.5	
2	B-002	NYR	APW	blue	28.9	0	28.6	3.6	
3	B-003	NYR	APW	blue	26.0	0	22.5	3.7	
4	B-004	NYR	APW	blue	26.5	0	26.5	3.5	
5	B-005	NYR	APW	blue	24.3	0	22.9	3.3	
6	B-006	NYR	APW	blue	22.5	0	22.0	2.9	
7	B-007	NYR	APW	blue	20.5	0	19.4	2.8	
8	B-008	NYR	APW	blue	21.3	0	20.5	3.2	
9	B-009	NYR	APW	blue	20.2	0	19.4	2.0	
10	B-010	NYR	APW	blue	19.6	0	19.7	2.5	
11	B-011	NYR	APW	blue	12.4	0	10.3	1.7	
12	B-012	NYR	APW	blue	21.0	0	19.7	2.5	
13	B-013	NYR	APW	blue	9.5	0	8.8	NA	
14	B-014	NYR	APW	blue	5.0	0	4.2	NA	
15	B-015	NYR	APW	blue	10.8	0	10.0	1.8	
16	B-016	NYR	APW	blue	15.2	0	14.4	1.8	
17	B-017	NYR	APW	blue	12.4	0	10.5	2.0	
18	B-018	NYR	APW	blue	10.5	0	10.1	1.3	
19	B-019	NYR	APW	blue	20.6	0	20.7	2.7	
20	B-020	NYR	APW	blue	19.0	0	17.8	2.4	
21	B-021	NYR	URU	white	22.2	0	22.0	3.0	
22	B-022	NYR	URU	white	22.0	0	21.5	2.2	
23	B-023	NYR	URU	white	24.0	0	24.5	2.9	
24	B-024	NYR	URU	white	22.5	0	23.0	2.8	
25	B-025	NYR	URU	white	20.0	0	19.5	2.5	
26	B-026	NYR	URU	white	22.4	0	21.0	3.3	
27	B-027	NYR	URU	white	30.6	0	37.0	3.5	
28	B-028	NYR	URU	white	24.8	0	14.6	3.2	
29	B-029	NYR	URU	white	29.8	0	28.9	3.1	
30	B-030	NYR	URU	white	30.5	0	29.3	3.1	
31	B-031	NYR	URU	white	36.7	0	36.5	3.6	

32	B-032	NYR	URU	white	33.0	0	32.3	3.6	
33	B-033	NYR	URU	white	32.0	0	32.2	3.9	
34	B-034	NYR	URU	white	38.8	0	37.6	4.3	
35	B-035	NYR	URU	white	35.2	0	33.6	4.6	
36	B-036	NYR	URU	white	39.0	0	37.1	4.2	
37	B-037	NYR	URU	white	42.6	0	41.7	3.5	
38	B-038	NYR	URU	white	36.5	0	36.4	3.3	
39	B-039	NYR	URU	white	44.0	0	43.7	4.1	
40	B-040	NYR	URU	white	46.5	0	45.1	3.8	
41	B-041	NYR	SHK	green	38.5	0	37.3	3.8	
42	B-042	NYR	SHK	green	31.5	0	31.4	3.1	
43	B-043	NYR	SHK	green	30.4	0	28.5	3.3	
44	B-044	NYR	SHK	green	25.2	0	24.5	3.1	
45	B-045	NYR	SHK	green	33.5	0	32.0	3.4	
46	B-046	NYR	SHK	green	25.2	0	24.0	2.7	
47	B-047	NYR	SHK	green	24.2	0	22.0	2.8	
48	B-048	NYR	SHK	green	22.5	0	17.3	2.1	
49	B-049	NYR	SHK	green	23.8	0	21.1	3.1	
50	B-050	NYR	SHK	green	21.0	0	20.0	2.9	
51	B-051	NYR	SHK	green	21.0	0	19.5	2.1	
52	B-052	NYR	SHK	green	19.2	0	18.1	2.5	
53	B-053	NYR	SHK	green	21.4	0	21.0	2.1	
54	B-054	NYR	SHK	green	21.2	0	20.5	3.2	
55	B-055	NYR	SHK	green	21.2	0	20.9	2.8	
56	B-056	NYR	SHK	green	16.2	0	12.3	1.9	
57	B-057	NYR	SHK	green	18.0	0	17.8	1.4	
58	B-058	NYR	SHK	green	15.0	0	13.1	2.7	
59	B-059	NYR	SHK	green	12.0	0	10.7	1.4	
60	B-060	NYR	SHK	green	12.0	0	11.8	1.7	
61	B-061	NYR	HKD	red	37.2	0	35.5	3.4	
62	B-062	NYR	HKD	red	37.5	0	36.7	3.8	
63	B-063	NYR	HKD	red	43.2	0	41.6	4.3	
64	B-064	NYR	HKD	red	41.2	0	39.9	3.9	
65	B-065	NYR	HKD	red	43.2	0	44.1	4.4	
66	B-066	NYR	HKD	red	34.0	0	38.2	3.6	

67	B-067	NYR	HKD	red	26.5	0	25.9	3.2	
68	B-068	NYR	HKD	red	28.5	0	27.7	3.4	
69	B-069	NYR	HKD	red	31.2	0	30.8	4.0	
70	B-070	NYR	HKD	red	36.4	0	36.7	3.5	
71	B-071	NYR	HKD	red	29.2	0	29.3	2.7	
72	B-072	NYR	HKD	red	24.5	0	25.2	2.6	
73	B-073	NYR	HKD	red	31.0	0	31.4	3.6	
74	B-074	NYR	HKD	red	33.5	0	33.6	4.2	
75	B-075	NYR	HKD	red	27.8	0	27.4	3.8	
76	B-076	NYR	HKD	red	18.5	0	18.8	1.8	
77	B-077	NYR	HKD	red	20.5	0	18.6	2.2	
78	B-078	NYR	HKD	red	17.4	0	17.3	2.2	
79	B-079	NYR	HKD	red	21.4	0	20.9	3.0	
80	B-080	NYR	HKD	red	23.4	0	20.1	2.2	
81	B-081	NYR	MKT	orange	44.5	0	44.5	4.0	
82	B-082	NYR	MKT	orange	42.5	0	42.8	3.4	
83	B-083	NYR	MKT	orange	37.5	0	37.5	3.4	
84	B-084	NYR	MKT	orange	38.2	0	39.7	4.1	
85	B-085	NYR	MKT	orange	40.6	0	40.5	3.5	
86	B-086	NYR	MKT	orange	35.4	0	36.3	3.8	
87	B-087	NYR	MKT	orange	40.8	0	39.5	2.9	
88	B-088	NYR	MKT	orange	33.2	0	32.0	3.0	
89	B-089	NYR	MKT	orange	34.5	0	35.4	3.8	
90	B-090	NYR	MKT	orange	39.5	0	39.5	2.6	
91	B-091	NYR	MKT	orange	32.8	0	31.3	2.9	
92	B-092	NYR	MKT	orange	29.2	0	29.0	2.8	
93	B-093	NYR	MKT	orange	34.4	0	34.4	2.4	
94	B-094	NYR	MKT	orange	28.8	0	28.2	2.9	
95	B-095	NYR	MKT	orange	27.6	0	28.0	2.8	
96	B-096	NYR	MKT	orange	23.0	0	25.0	3.3	
97	B-097	NYR	MKT	orange	24.0	0	20.4	3.0	
98	B-098	NYR	MKT	orange	20.4	0	21.3	3.0	
99	B-099	NYR	MKT	orange	21.8	0	22.1	2.5	
100	B-100	NYR	MKT	orange	19.2	0	17.4	2.1	
101	B-101	NYR	BDS	gray	51.5	0	51.1	3.7	

102	B-102	NYR	BDS	gray	46.6	0	47.1	4.2	
103	B-103	NYR	BDS	gray	42.0	0	42.5	3.5	
104	B-104	NYR	BDS	gray	39.1	0	38.7	3.5	
105	B-105	NYR	BDS	gray	32.0	0	31.1	3.0	
106	B-106	NYR	BDS	gray	32.0	0	31.8	3.0	
107	B-107	NYR	BDS	gray	31.0	0	30.4	3.5	
108	B-108	NYR	BDS	gray	34.5	0	33.4	3.5	
109	B-109	NYR	BDS	gray	27.0	0	27.1	2.7	
110	B-110	NYR	BDS	gray	27.5	0	28.0	2.8	
111	B-111	NYR	BDS	gray	29.3	0	29.8	2.9	
112	B-112	NYR	BDS	gray	29.5	0	29.8	2.4	
113	B-113	NYR	BDS	gray	28.5	0	29.6	2.4	
114	B-114	NYR	BDS	gray	20.5	0	23.5	2.4	
115	B-115	NYR	BDS	gray	19.8	0	19.9	2.0	
116	B-116	NYR	BDS	gray	17.5	0	15.1	1.7	
117	B-117	NYR	BDS	gray	21.5	0	22.3	2.6	
118	B-118	NYR	BDS	gray	22.0	0	23.9	2.0	
119	B-119	NYR	BDS	gray	12.4	0	11.9	1.6	
120	B-120	NYR	BDS	gray	21.5	0	21.0	2.1	
121	B-121	NYR	APS	pink	39.2	0	38.3	3.9	
122	B-122	NYR	APS	pink	39.6	0	40.3	4.1	
123	B-123	NYR	APS	pink	41.4	0	41.0	3.9	
124	B-124	NYR	APS	pink	35.2	0	35.8	3.9	
125	B-125	NYR	APS	pink	37.4	0	38.0	3.6	
126	B-126	NYR	APS	pink	37.5	0	37.0	3.8	
127	B-127	NYR	APS	pink	38.0	0	39.0	3.9	
128	B-128	NYR	APS	pink	35.0	0	34.7	3.8	
129	B-129	NYR	APS	pink	34.5	0	34.8	3.0	
130	B-130	NYR	APS	pink	34.2	0	34.0	3.6	
131	B-131	NYR	APS	pink	26.5	0	27.0	2.9	
132	B-132	NYR	APS	pink	27.2	0	27.1	2.8	
133	B-133	NYR	APS	pink	34.2	0	34.4	4.0	
134	B-134	NYR	APS	pink	33.0	0	33.1	3.0	
135	B-135	NYR	APS	pink	31.5	0	31.2	3.3	
136	B-136	NYR	APS	pink	20.0	0	19.9	1.4	

137	B-137	NYR	APS	pink	17.2	0	16.7	2.5	
138	B-138	NYR	APS	pink	23.0	0	22.2	2.2	
139	B-139	NYR	APS	pink	23.0	0	21.9	2.6	
140	B-140	NYR	APS	pink	27.5	0	27.5	2.8	
141	B-141	NYR	NGH	yellow	48.0	0	47.1	4.2	
142	B-142	NYR	NGH	yellow	42.5	0	42.8	3.6	
143	B-143	NYR	NGH	yellow	39.6	0	39.8	4.3	
144	B-144	NYR	NGH	yellow	38.5	0	38.8	4.4	
145	B-145	NYR	NGH	yellow	38.8	0	39.6	4.1	
146	B-146	NYR	NGH	yellow	38.2	0	38.6	3.7	
147	B-147	NYR	NGH	yellow	36.5	0	35.4	3.6	
148	B-148	NYR	NGH	yellow	40.0	0	36.6	3.4	
149	B-149	NYR	NGH	yellow	34.5	0	33.8	3.3	
150	B-150	NYR	NGH	yellow	37.0	0	35.8	3.5	
151	B-151	NYR	NGH	yellow	27.8	0	26.2	3.0	
152	B-152	NYR	NGH	yellow	36.0	0	34.4	3.3	
153	B-153	NYR	NGH	yellow	30.5	0	28.7	3.6	
154	B-154	NYR	NGH	yellow	28.4	0	26.9	2.5	
155	B-155	NYR	NGH	yellow	27.4	0	24.8	2.8	
156	B-156	NYR	NGH	yellow	27.0	0	27.3	2.8	
157	B-157	NYR	NGH	yellow	27.0	0	25.5	2.5	
158	B-158	NYR	NGH	yellow	20.6	0	21.0	2.0	
159	B-159	NYR	NGH	yellow	19.0	0	19.0	1.5	
160	B-160	NYR	NGH	yellow	15.2	0	15.3	1.6	
161	B-161	NYR	GYS	light_blue	35.5	0	34.9	3.9	
162	B-162	NYR	GYS	light_blue	43.5	0	44.0	3.4	
163	B-163	NYR	GYS	light_blue	47.2	0	46.5	4.3	
164	B-164	NYR	GYS	light_blue	50.4	0	50.4	4.7	
165	B-165	NYR	GYS	light_blue	53.4	0	54.5	3.6	
166	B-166	NYR	GYS	light_blue	21.0	0	23.1	2.2	
167	B-167	NYR	GYS	light_blue	31.0	0	27.6	2.5	
168	B-168	NYR	GYS	light_blue	27.0	0	26.3	2.4	
169	B-169	NYR	GYS	light_blue	34.0	0	33.6	3.1	
170	B-170	NYR	GYS	light_blue	34.4	0	34.4	2.7	
171	B-171	NYR	AKS	black	29.5	0	27.6	2.7	

172	B-172	NYR	AKS	black	34.8	0	30.5	3.3	
173	B-173	NYR	AKS	black	37.5	0	37.3	3.9	
174	B-174	NYR	AKS	black	42.0	0	41.4	4.0	
175	B-175	NYR	AKS	black	51.8	0	49.1	3.6	
176	B-176	NYR	AKS	black	14.2	0	12.3	1.4	
177	B-177	NYR	AKS	black	33.0	0	30.1	2.0	
178	B-178	NYR	AKS	black	20.4	0	20.9	2.3	
179	B-179	NYR	AKS	black	28.5	0	28.3	2.9	
180	B-180	NYR	CKS	lime	34.8	0	34.5	4.2	
181	B-181	NYR	CKS	lime	18.0	0	20.6	2.7	
182	B-182	NYR	CKS	lime	23.0	0	21.5	2.9	
183	B-183	NYR	CKS	lime	29.4	0	28.2	3.5	
184	B-201	SDL	APW	blue	37.0	0	37.1	3.4	
185	B-202	SDL	APW	blue	31.0	0	30.8	3.6	
186	B-203	SDL	APW	blue	27.6	0	26.8	3.9	
187	B-204	SDL	APW	blue	26.0	0	25.6	3.4	
188	B-205	SDL	APW	blue	24.0	0	23.7	2.3	
189	B-206	SDL	APW	blue	24.5	0	24.1	2.7	
190	B-207	SDL	APW	blue	22.0	0	21.7	2.6	
191	B-208	SDL	APW	blue	20.2	0	20.2	2.1	
192	B-209	SDL	APW	blue	20.8	0	20.3	2.3	
193	B-210	SDL	APW	blue	20.0	0	19.6	2.7	
194	B-211	SDL	APW	blue	15.8	0	15.7	2.1	
195	B-212	SDL	APW	blue	19.0	0	18.7	2.8	
196	B-213	SDL	APW	blue	17.5	0	17.0	2.1	
197	B-214	SDL	APW	blue	15.0	0	15.4	1.8	
198	B-215	SDL	APW	blue	14.0	0	13.7	1.2	
199	B-216	SDL	APW	blue	12.8	0	11.8	1.3	
200	B-217	SDL	APW	blue	10.8	0	9.9	NA	
201	B-218	SDL	APW	blue	9.8	0	9.0	NA	
202	B-219	SDL	APW	blue	9.8	0	10.0	NA	
203	B-220	SDL	APW	blue	4.8	0	3.5	NA	
204	B-221	SDL	URU	white	22.5	0	22.4	2.7	
205	B-222	SDL	URU	white	21.5	0	21.0	2.5	
206	B-223	SDL	URU	white	20.6	0	20.9	2.5	

207	B-224	SDL	URU	white	23.5	0	23.0	2.2	
208	B-225	SDL	URU	white	18.0	0	18.7	1.6	
209	B-226	SDL	URU	white	26.5	0	26.6	2.9	
210	B-227	SDL	URU	white	30.5	0	30.3	3.0	
211	B-228	SDL	URU	white	29.2	0	29.0	2.9	
212	B-229	SDL	URU	white	28.0	0	27.9	3.4	
213	B-230	SDL	URU	white	30.5	0	30.0	2.9	
214	B-231	SDL	URU	white	29.0	0	29.1	2.7	
215	B-232	SDL	URU	white	38.2	0	38.4	3.8	
216	B-233	SDL	URU	white	33.0	0	33.3	3.3	
217	B-234	SDL	URU	white	39.0	0	39.3	4.2	
218	B-235	SDL	URU	white	39.8	0	38.5	3.9	
219	B-236	SDL	URU	white	33.2	0	33.4	2.8	
220	B-237	SDL	URU	white	34.4	0	34.5	3.7	
221	B-238	SDL	URU	white	39.2	0	39.9	4.2	
222	B-239	SDL	URU	white	46.2	0	46.2	4.6	
223	B-240	SDL	URU	white	48.2	0	48.2	4.7	
224	B-241	SDL	SHK	green	32.5	0	30.4	3.7	
225	B-242	SDL	SHK	green	29.8	0	29.8	2.6	
226	B-243	SDL	SHK	green	28.5	0	28.2	3.0	
227	B-244	SDL	SHK	green	28.2	0	28.4	3.0	
228	B-245	SDL	SHK	green	16.5	0	15.8	1.8	
229	B-246	SDL	SHK	green	26.5	0	24.1	2.7	
230	B-247	SDL	SHK	green	24.2	0	24.0	2.7	
231	B-248	SDL	SHK	green	23.0	0	23.0	2.6	
232	B-249	SDL	SHK	green	20.5	0	20.5	3.0	
233	B-250	SDL	SHK	green	21.2	0	21.5	2.6	
234	B-251	SDL	SHK	green	18.8	0	21.9	3.1	
235	B-252	SDL	SHK	green	18.4	0	17.8	1.7	
236	B-253	SDL	SHK	green	21.0	0	21.0	2.7	
237	B-254	SDL	SHK	green	21.0	0	20.7	2.2	
238	B-255	SDL	SHK	green	16.5	0	17.0	2.0	
239	B-256	SDL	SHK	green	10.0	0	9.4	NA	
240	B-257	SDL	SHK	green	16.0	0	16.1	1.8	
241	B-258	SDL	SHK	green	12.0	0	12.8	1.5	

242	B-259	SDL	SHK	green	16.5	0	16.5	1.4	
243	B-260	SDL	SHK	green	16.8	0	17.7	2.2	
244	B-261	SDL	HKD	red	44.5	0	45.0	4.6	
245	B-262	SDL	HKD	red	50.0	0	50.2	4.8	
246	B-263	SDL	HKD	red	43.0	0	44.0	4.1	
247	B-264	SDL	HKD	red	40.0	0	40.2	4.2	
248	B-265	SDL	HKD	red	40.5	0	41.9	3.6	
249	B-266	SDL	HKD	red	31.5	0	33.1	3.8	
250	B-267	SDL	HKD	red	37.0	0	37.6	4.3	
251	B-268	SDL	HKD	red	34.0	0	34.1	3.7	
252	B-269	SDL	HKD	red	32.5	0	32.7	3.2	
253	B-270	SDL	HKD	red	29.0	0	29.1	3.0	
254	B-271	SDL	HKD	red	22.8	0	17.0	1.6	
255	B-272	SDL	HKD	red	25.0	0	23.4	1.9	
256	B-273	SDL	HKD	red	26.5	0	26.8	3.1	
257	B-274	SDL	HKD	red	26.2	0	26.5	2.7	
258	B-275	SDL	HKD	red	25.0	0	25.2	2.9	
259	B-276	SDL	HKD	red	28.5	0	27.6	2.7	
260	B-277	SDL	HKD	red	19.0	0	18.6	2.2	
261	B-278	SDL	HKD	red	16.0	0	17.1	1.6	
262	B-279	SDL	HKD	red	16.4	0	16.4	1.3	
263	B-280	SDL	HKD	red	16.0	0	25.7	2.3	
264	B-281	SDL	MKT	orange	45.5	0	46.1	3.3	
265	B-282	SDL	MKT	orange	48.6	0	51.1	3.2	
266	B-283	SDL	MKT	orange	38.5	0	40.4	2.8	
267	B-284	SDL	MKT	orange	49.5	0	49.7	4.2	
268	B-285	SDL	MKT	orange	50.5	0	52.0	3.7	
269	B-286	SDL	MKT	orange	35.8	0	36.0	2.7	
270	B-287	SDL	MKT	orange	27.5	0	27.9	2.9	
271	B-288	SDL	MKT	orange	27.2	0	26.6	3.0	
272	B-289	SDL	MKT	orange	45.8	0	46.7	3.4	
273	B-290	SDL	MKT	orange	39.5	0	39.9	2.5	
274	B-291	SDL	MKT	orange	27.8	0	28.2	2.4	
275	B-292	SDL	MKT	orange	38.5	0	40.6	2.2	
276	B-293	SDL	MKT	orange	27.5	0	28.0	2.4	

277	B-294	SDL	MKT	orange	35.2	0	35.9	2.7	
278	B-295	SDL	MKT	orange	31.5	0	32.6	2.6	
279	B-296	SDL	MKT	orange	46.4	0	46.9	3.3	
280	B-297	SDL	MKT	orange	37.0	0	38.8	2.4	
281	B-298	SDL	MKT	orange	21.0	0	21.4	2.1	
282	B-299	SDL	MKT	orange	45.2	0	45.3	3.7	
283	B-300	SDL	MKT	orange	26.0	0	26.1	2.1	
284	B-301	SDL	BDS	gray	47.5	0	48.3	3.9	
285	B-302	SDL	BDS	gray	47.2	0	49.3	3.4	
286	B-303	SDL	BDS	gray	40.4	0	43.1	3.0	
287	B-304	SDL	BDS	gray	43.0	0	44.2	3.1	
288	B-305	SDL	BDS	gray	36.8	0	38.9	4.0	
289	B-306	SDL	BDS	gray	36.5	0	37.5	2.9	
290	B-307	SDL	BDS	gray	33.0	0	35.7	3.1	
291	B-308	SDL	BDS	gray	31.5	0	31.7	2.4	
292	B-309	SDL	BDS	gray	33.2	0	34.3	2.6	
293	B-310	SDL	BDS	gray	28.5	0	28.6	2.3	
294	B-311	SDL	BDS	gray	29.4	0	29.6	2.5	
295	B-312	SDL	BDS	gray	25.5	0	26.9	2.2	
296	B-313	SDL	BDS	gray	26.4	0	26.4	2.8	
297	B-314	SDL	BDS	gray	22.5	0	22.8	2.2	
298	B-315	SDL	BDS	gray	24.2	0	24.1	2.1	
299	B-316	SDL	BDS	gray	23.2	0	23.0	1.7	
300	B-317	SDL	BDS	gray	12.8	0	12.9	1.1	
301	B-318	SDL	BDS	gray	19.5	0	19.7	1.7	
302	B-319	SDL	BDS	gray	22.0	0	26.6	2.3	
303	B-320	SDL	BDS	gray	22.0	0	21.9	2.4	
304	B-321	SDL	APS	pink	52.0	0	52.7	4.7	
305	B-322	SDL	APS	pink	46.2	0	48.1	2.6	
306	B-323	SDL	APS	pink	38.2	0	38.8	3.9	
307	B-324	SDL	APS	pink	36.5	0	38.6	3.7	
308	B-325	SDL	APS	pink	37.4	0	39.2	3.4	
309	B-326	SDL	APS	pink	34.8	0	37.8	3.1	
310	B-327	SDL	APS	pink	36.5	0	37.8	3.7	
311	B-328	SDL	APS	pink	41.5	0	42.0	3.3	

312	B-329	SDL	APS	pink	36.8	0	36.7	3.6	
313	B-330	SDL	APS	pink	34.5	0	35.7	3.6	
314	B-331	SDL	APS	pink	26.0	0	26.9	2.7	
315	B-332	SDL	APS	pink	30.0	0	29.8	2.7	
316	B-333	SDL	APS	pink	33.5	0	33.6	2.7	
317	B-334	SDL	APS	pink	36.0	0	36.2	3.0	
318	B-335	SDL	APS	pink	33.0	0	34.1	2.6	
319	B-336	SDL	APS	pink	18.0	0	17.7	1.1	
320	B-337	SDL	APS	pink	16.5	0	16.5	2.0	
321	B-338	SDL	APS	pink	25.4	0	25.5	1.9	
322	B-339	SDL	APS	pink	29.8	0	32.2	2.4	
323	B-340	SDL	APS	pink	26.5	0	26.5	2.3	
324	B-341	SDL	NGH	yellow	46.2	0	46.9	4.6	
325	B-342	SDL	NGH	yellow	44.0	0	45.0	4.2	
326	B-343	SDL	NGH	yellow	38.2	0	39.0	3.2	
327	B-344	SDL	NGH	yellow	38.0	0	38.8	3.7	
328	B-345	SDL	NGH	yellow	37.5	0	37.9	3.7	
329	B-346	SDL	NGH	yellow	37.5	0	38.0	3.2	
330	B-347	SDL	NGH	yellow	32.8	0	32.3	3.1	
331	B-348	SDL	NGH	yellow	35.5	0	36.6	3.1	
332	B-349	SDL	NGH	yellow	34.8	0	35.1	2.7	
333	B-350	SDL	NGH	yellow	32.0	0	31.5	2.9	
334	B-351	SDL	NGH	yellow	32.0	0	33.0	2.4	
335	B-352	SDL	NGH	yellow	29.0	0	28.5	3.0	
336	B-353	SDL	NGH	yellow	34.8	0	36.0	3.0	
337	B-354	SDL	NGH	yellow	28.5	0	28.5	2.8	
338	B-355	SDL	NGH	yellow	28.0	0	27.8	2.5	
339	B-356	SDL	NGH	yellow	26.5	0	26.2	2.1	
340	B-357	SDL	NGH	yellow	24.0	0	23.6	1.9	
341	B-358	SDL	NGH	yellow	23.0	0	22.9	1.9	
342	B-359	SDL	NGH	yellow	13.0	0	13.2	0.8	
343	B-360	SDL	NGH	yellow	19.8	0	18.3	1.9	
344	B-361	SDL	GYS	light_blue	36.2	0	36.5	3.7	
345	B-362	SDL	GYS	light_blue	44.6	0	45.9	3.3	
346	B-363	SDL	GYS	light_blue	47.5	0	47.8	4.3	

347	B-364	SDL	GYS	light_blue	52.2	0	53.8	3.5	
348	B-365	SDL	GYS	light_blue	48.5	0	51.8	3.0	
349	B-366	SDL	GYS	light_blue	24.0	0	23.9	1.7	
350	B-367	SDL	GYS	light_blue	25.0	0	25.1	2.6	
351	B-368	SDL	GYS	light_blue	25.5	0	26.1	2.5	
352	B-369	SDL	GYS	light_blue	31.0	0	31.0	3.7	
353	B-370	SDL	GYS	light_blue	42.0	0	43.9	3.0	
354	B-371	SDL	AKS	black	27.6	0	27.9	2.7	
355	B-372	SDL	AKS	black	29.5	0	30.0	2.6	
356	B-373	SDL	AKS	black	28.4	0	38.5	3.7	
357	B-374	SDL	AKS	black	39.5	0	39.6	4.2	
358	B-375	SDL	AKS	black	46.0	0	46.1	3.6	
359	B-376	SDL	AKS	black	15.8	0	16.4	1.4	
360	B-377	SDL	AKS	black	20.2	0	20.8	1.7	
361	B-378	SDL	AKS	black	22.5	0	22.0	2.5	
362	B-379	SDL	AKS	black	21.0	0	21.2	2.3	
363	B-380	SDL	CKS	lime	24.2	0	24.6	2.8	
364	B-381	SDL	CKS	lime	21.5	0	21.1	3.2	
365	B-382	SDL	CKS	lime	35.8	0	35.7	3.2	
366	B-383	SDL	CKS	lime	32.5	0	31.8	3.1	
367	B-401	SDH	APW	blue	35.5	0	37.2	3.6	
368	B-402	SDH	APW	blue	27.5	0	26.4	3.3	
369	B-403	SDH	APW	blue	27.0	0	27.0	3.2	
370	B-404	SDH	APW	blue	27.0	1	13.0	1.4	
371	B-405	SDH	APW	blue	23.5	1	2.8	NA	
372	B-406	SDH	APW	blue	18.0	0	19.4	2.8	
373	B-407	SDH	APW	blue	20.0	0	21.0	3.1	
374	B-408	SDH	APW	blue	20.5	0	21.5	2.6	
375	B-409	SDH	APW	blue	21.0	0	18.5	2.3	
376	B-410	SDH	APW	blue	21.5	1	NA	NA	dead
377	B-411	SDH	APW	blue	19.0	0	19.4	2.1	
378	B-412	SDH	APW	blue	19.5	0	12.7	2.2	
379	B-413	SDH	APW	blue	15.0	0	NA	NA	dead
380	B-414	SDH	APW	blue	14.0	1	3.2	NA	
381	B-415	SDH	APW	blue	12.2	1	1.0	NA	

382	B-416	SDH	APW	blue	12.5	0	12.8	1.9	
383	B-417	SDH	APW	blue	10.2	0	9.5	NA	
384	B-418	SDH	APW	blue	9.0	0	8.7	NA	
385	B-419	SDH	APW	blue	8.0	1	NA	NA	dead
386	B-420	SDH	APW	blue	4.3	1	2.3	NA	
387	B-421	SDH	URU	white	19.5	0	9.2	NA	
388	B-422	SDH	URU	white	24.0	0	25.2	2.7	
389	B-423	SDH	URU	white	21.0	0	19.8	2.5	
390	B-424	SDH	URU	white	24.4	0	25.9	2.6	
391	B-425	SDH	URU	white	15.5	0	13.7	1.4	
392	B-426	SDH	URU	white	36.2	0	37.8	3.4	
393	B-427	SDH	URU	white	34.4	0	38.6	3.0	
394	B-428	SDH	URU	white	29.0	0	29.0	3.1	
395	B-429	SDH	URU	white	28.8	0	28.7	2.5	
396	B-430	SDH	URU	white	23.5	0	25.2	2.9	
397	B-431	SDH	URU	white	31.2	0	32.1	3.3	
398	B-432	SDH	URU	white	35.8	0	38.9	3.6	
399	B-433	SDH	URU	white	29.5	0	29.8	3.5	
400	B-434	SDH	URU	white	38.4	0	29.4	3.4	
401	B-435	SDH	URU	white	29.8	1	5.0	NA	
402	B-436	SDH	URU	white	41.4	1	21.0	4.2	
403	B-437	SDH	URU	white	43.2	0	44.5	3.5	
404	B-438	SDH	URU	white	38.2	0	2.2	NA	
405	B-439	SDH	URU	white	44.0	0	NA	NA	dead
406	B-440	SDH	URU	white	47.6	0	NA	NA	dead
407	B-441	SDH	SHK	green	32.6	0	32.2	3.5	
408	B-442	SDH	SHK	green	30.5	0	32.5	3.3	
409	B-443	SDH	SHK	green	29.0	0	28.5	3.3	
410	B-444	SDH	SHK	green	34.2	0	35.8	3.2	
411	B-445	SDH	SHK	green	24.0	0	25.5	2.9	
412	B-446	SDH	SHK	green	25.5	0	25.5	3.4	
413	B-447	SDH	SHK	green	27.8	0	28.6	2.6	
414	B-448	SDH	SHK	green	27.0	0	26.0	2.8	
415	B-449	SDH	SHK	green	19.5	0	19.8	2.6	
416	B-450	SDH	SHK	green	23.5	0	22.4	2.9	

417	B-451	SDH	SHK	green	22.5	0	21.3	2.6	
418	B-452	SDH	SHK	green	24.8	0	NA	NA	dead
419	B-453	SDH	SHK	green	21.2	0	21.4	3.3	
420	B-454	SDH	SHK	green	25.5	0	25.4	3.0	
421	B-455	SDH	SHK	green	18.5	0	18.9	2.8	
422	B-456	SDH	SHK	green	10.5	0	11.0	1.2	
423	B-457	SDH	SHK	green	12.0	0	11.0	1.6	
424	B-458	SDH	SHK	green	14.0	0	15.5	1.7	
425	B-459	SDH	SHK	green	17.0	0	14.6	1.5	
426	B-460	SDH	SHK	green	16.5	1	11.9	1.4	
427	B-461	SDH	HKD	red	43.5	0	43.2	4.4	
428	B-462	SDH	HKD	red	42.2	0	38.8	4.3	
429	B-463	SDH	HKD	red	43.5	0	44.0	3.8	
430	B-464	SDH	HKD	red	35.0	0	36.0	2.9	
431	B-465	SDH	HKD	red	38.5	0	39.2	3.9	
432	B-466	SDH	HKD	red	35.0	0	35.4	3.2	
433	B-467	SDH	HKD	red	31.5	0	33.3	3.2	
434	B-468	SDH	HKD	red	32.2	0	33.1	3.3	
435	B-469	SDH	HKD	red	37.0	0	38.8	4.6	
436	B-470	SDH	HKD	red	31.5	0	33.5	2.8	
437	B-471	SDH	HKD	red	32.0	0	33.0	3.7	
438	B-472	SDH	HKD	red	35.0	0	36.9	3.2	
439	B-473	SDH	HKD	red	30.0	0	29.1	2.9	
440	B-474	SDH	HKD	red	29.0	0	3.5	NA	
441	B-475	SDH	HKD	red	25.0	1	10.0	NA	
442	B-476	SDH	HKD	red	27.5	0	26.5	3.1	
443	B-477	SDH	HKD	red	28.5	0	29.7	2.9	
444	B-478	SDH	HKD	red	23.4	0	22.5	2.3	
445	B-479	SDH	HKD	red	24.8	0	27.2	2.6	
446	B-480	SDH	HKD	red	16.8	0	13.6	1.4	
447	B-481	SDH	MKT	orange	37.6	1	9.2	NA	
448	B-482	SDH	MKT	orange	38.0	1	6.4	NA	
449	B-483	SDH	MKT	orange	37.0	1	4.2	NA	
450	B-484	SDH	MKT	orange	36.2	1	NA	NA	dead
451	B-485	SDH	MKT	orange	41.2	1	NA	NA	dead

452	B-486	SDH	MKT	orange	32.5	1	17.7	2.7	
453	B-487	SDH	MKT	orange	31.6	1	22.8	2.7	
454	B-488	SDH	MKT	orange	44.8	1	6.8	NA	
455	B-489	SDH	MKT	orange	32.4	1	4.0	NA	
456	B-490	SDH	MKT	orange	37.8	1	8.4	NA	
457	B-491	SDH	MKT	orange	26.0	0	26.6	2.7	
458	B-492	SDH	MKT	orange	32.4	1	17.3	2.4	
459	B-493	SDH	MKT	orange	33.0	1	NA	NA	dead
460	B-494	SDH	MKT	orange	27.0	1	4.0	NA	
461	B-495	SDH	MKT	orange	30.0	1	5.2	NA	
462	B-496	SDH	MKT	orange	21.0	0	21.5	1.7	
463	B-497	SDH	MKT	orange	31.5	1	10.0	NA	
464	B-498	SDH	MKT	orange	18.8	0	20.9	2.2	
465	B-499	SDH	MKT	orange	24.0	1	6.2	NA	
466	B-500	SDH	MKT	orange	22.5	1	15.0	1.7	
467	B-501	SDH	BDS	gray	37.5	1	17.0	3.5	
468	B-502	SDH	BDS	gray	33.5	0	32.4	2.8	
469	B-503	SDH	BDS	gray	35.8	1	10.3	2.7	
470	B-504	SDH	BDS	gray	45.8	1	13.1	3.2	
471	B-505	SDH	BDS	gray	54.4	1	10.5	4.2	
472	B-506	SDH	BDS	gray	40.8	0	40.4	3.3	
473	B-507	SDH	BDS	gray	37.8	1	16.1	2.8	
474	B-508	SDH	BDS	gray	31.6	1	NA	NA	dead
475	B-509	SDH	BDS	gray	24.0	1	9.3	NA	
476	B-510	SDH	BDS	gray	32.4	1	7.5	NA	
477	B-511	SDH	BDS	gray	24.0	0	20.6	2.5	
478	B-512	SDH	BDS	gray	24.5	0	26.0	2.6	
479	B-513	SDH	BDS	gray	28.8	0	31.5	2.5	
480	B-514	SDH	BDS	gray	26.0	1	21.6	2.6	
481	B-515	SDH	BDS	gray	21.5	1	7.9	NA	
482	B-516	SDH	BDS	gray	16.2	0	17.2	1.9	
483	B-517	SDH	BDS	gray	21.0	0	12.1	1.3	
484	B-518	SDH	BDS	gray	16.0	0	16.4	1.5	
485	B-519	SDH	BDS	gray	19.4	0	18.3	1.9	
486	B-520	SDH	BDS	gray	20.4	0	NA	NA	dead

487	B-521	SDH	APS	pink	43.8	1	1.0	NA	
488	B-522	SDH	APS	pink	41.8	0	42.2	3.9	
489	B-523	SDH	APS	pink	37.4	0	39.2	4.0	
490	B-524	SDH	APS	pink	39.5	1	NA	NA	dead
491	B-525	SDH	APS	pink	38.4	0	39.8	3.2	
492	B-526	SDH	APS	pink	36.8	0	39.7	3.0	
493	B-527	SDH	APS	pink	35.2	0	38.5	3.0	
494	B-528	SDH	APS	pink	36.0	0	38.0	3.9	
495	B-529	SDH	APS	pink	35.5	0	37.9	3.7	
496	B-530	SDH	APS	pink	36.0	0	36.7	2.9	
497	B-531	SDH	APS	pink	23.4	0	24.7	2.4	
498	B-532	SDH	APS	pink	27.0	0	31.0	2.6	
499	B-533	SDH	APS	pink	30.5	0	31.5	2.6	
500	B-534	SDH	APS	pink	35.0	0	39.3	3.3	
501	B-535	SDH	APS	pink	37.5	0	35.6	3.4	
502	B-536	SDH	APS	pink	12.5	0	8.8	NA	
503	B-537	SDH	APS	pink	23.5	0	25.1	2.1	
504	B-538	SDH	APS	pink	23.5	0	24.2	2.2	
505	B-539	SDH	APS	pink	24.5	0	25.2	2.4	
506	B-540	SDH	APS	pink	31.4	0	31.4	3.0	
507	B-541	SDH	NGH	yellow	43.5	0	45.0	3.8	
508	B-542	SDH	NGH	yellow	41.6	0	37.5	4.1	
509	B-543	SDH	NGH	yellow	43.2	0	34.2	4.1	
510	B-544	SDH	NGH	yellow	37.2	0	35.5	3.8	
511	B-545	SDH	NGH	yellow	37.2	0	39.0	3.5	
512	B-546	SDH	NGH	yellow	39.0	0	40.7	2.9	
513	B-547	SDH	NGH	yellow	32.4	0	30.6	2.5	
514	B-548	SDH	NGH	yellow	26.5	0	28.1	3.0	
515	B-549	SDH	NGH	yellow	29.5	0	30.0	3.2	
516	B-550	SDH	NGH	yellow	29.0	0	33.3	3.2	
517	B-551	SDH	NGH	yellow	26.6	0	27.8	3.1	
518	B-552	SDH	NGH	yellow	30.0	0	30.5	2.6	
519	B-553	SDH	NGH	yellow	27.0	0	28.3	3.0	
520	B-554	SDH	NGH	yellow	29.0	0	31.1	2.9	
521	B-555	SDH	NGH	yellow	26.2	0	27.2	2.8	

522	B-556	SDH	NGH	yellow	27.0	0	26.2	2.2	
523	B-557	SDH	NGH	yellow	22.0	0	21.2	1.6	
524	B-558	SDH	NGH	yellow	21.0	0	18.4	2.0	
525	B-559	SDH	NGH	yellow	12.0	0	12.0	1.7	
526	B-560	SDH	NGH	yellow	12.2	0	12.5	1.9	
527	B-561	SDH	GYS	light_blue	44.0	1	8.1	NA	
528	B-562	SDH	GYS	light_blue	37.5	0	39.0	3.7	
529	B-563	SDH	GYS	light_blue	43.0	0	37.0	3.5	
530	B-564	SDH	GYS	light_blue	53.0	0	55.6	4.1	
531	B-565	SDH	GYS	light_blue	52.5	0	53.3	4.3	
532	B-566	SDH	GYS	light_blue	23.5	0	24.8	3.2	
533	B-567	SDH	GYS	light_blue	22.8	0	25.0	3.0	
534	B-568	SDH	GYS	light_blue	24.0	0	28.2	3.3	
535	B-569	SDH	GYS	light_blue	27.0	0	28.2	3.2	
536	B-570	SDH	GYS	light_blue	34.2	0	34.0	2.9	
537	B-571	SDH	AKS	black	25.0	0	25.0	2.5	
538	B-572	SDH	AKS	black	33.5	0	28.1	3.9	
539	B-573	SDH	AKS	black	35.2	0	39.5	3.7	
540	B-574	SDH	AKS	black	41.0	0	41.5	4.1	
541	B-575	SDH	AKS	black	43.8	0	44.3	4.4	
542	B-576	SDH	AKS	black	13.0	0	12.2	1.2	
543	B-577	SDH	AKS	black	20.2	0	19.7	1.7	
544	B-578	SDH	AKS	black	26.5	0	28.4	2.9	
545	B-579	SDH	AKS	black	21.2	0	19.8	2.9	
546	B-580	SDH	CKS	lime	20.0	0	19.2	2.5	
547	B-581	SDH	CKS	lime	22.5	0	19.7	3.0	
548	B-582	SDH	CKS	lime	31.0	0	31.6	3.5	
549	B-583	SDH	CKS	lime	39.0	0	16.0	3.2	
550	B-601	TKB	APW	blue	30.0	0	29.5	3.7	
551	B-602	TKB	APW	blue	29.2	0	29.5	3.4	
552	B-603	TKB	APW	blue	26.6	0	25.9	3.6	
553	B-604	TKB	APW	blue	29.0	0	28.5	3.5	
554	B-605	TKB	APW	blue	22.2	0	21.8	2.9	
555	B-606	TKB	APW	blue	18.2	0	18.0	2.2	
556	B-607	TKB	APW	blue	20.0	0	19.9	2.6	

557	B-608	TKB	APW	blue	23.8	0	22.6	3.1	
558	B-609	TKB	APW	blue	21.0	0	21.0	3.4	
559	B-610	TKB	APW	blue	20.8	0	20.5	3.0	
560	B-611	TKB	APW	blue	17.5	0	16.0	1.9	
561	B-612	TKB	APW	blue	15.6	0	14.8	3.5	
562	B-613	TKB	APW	blue	14.0	0	13.5	1.5	
563	B-614	TKB	APW	blue	13.0	0	13.5	1.5	
564	B-615	TKB	APW	blue	11.8	0	11.0	1.1	
565	B-616	TKB	APW	blue	14.0	0	12.7	1.8	
566	B-617	TKB	APW	blue	9.0	0	8.3	0.0	
567	B-618	TKB	APW	blue	8.2	0	8.8	0.0	
568	B-619	TKB	APW	blue	6.8	0	5.8	0.0	
569	B-620	TKB	APW	blue	8.0	0	7.8	0.0	
570	B-621	TKB	URU	white	32.0	0	32.3	4.4	
571	B-622	TKB	URU	white	24.2	0	24.5	2.9	
572	B-623	TKB	URU	white	19.6	0	18.9	2.2	
573	B-624	TKB	URU	white	23.0	0	22.0	2.4	
574	B-625	TKB	URU	white	16.0	0	16.5	2.1	
575	B-626	TKB	URU	white	36.5	0	24.4	3.0	
576	B-627	TKB	URU	white	36.0	0	35.8	3.5	
577	B-628	TKB	URU	white	35.5	0	35.8	3.6	
578	B-629	TKB	URU	white	27.0	0	26.6	2.8	
579	B-630	TKB	URU	white	25.5	0	25.5	3.2	
580	B-631	TKB	URU	white	28.0	0	27.8	3.1	
581	B-632	TKB	URU	white	33.0	0	32.4	2.8	
582	B-633	TKB	URU	white	37.0	0	35.5	3.8	
583	B-634	TKB	URU	white	37.5	0	35.8	3.9	
584	B-635	TKB	URU	white	35.5	0	35.5	3.5	
585	B-636	TKB	URU	white	40.5	0	40.0	3.5	
586	B-637	TKB	URU	white	41.0	0	41.0	3.9	
587	B-638	TKB	URU	white	39.0	0	39.0	3.9	
588	B-639	TKB	URU	white	41.0	0	40.8	3.9	
589	B-640	TKB	URU	white	43.2	0	43.5	5.0	
590	B-641	TKB	SHK	green	34.6	0	34.5	4.4	
591	B-642	TKB	SHK	green	29.5	0	29.2	3.5	

592	B-643	TKB	SHK	green	27.5	0	27.1	2.8	
593	B-644	TKB	SHK	green	28.8	0	28.4	3.0	
594	B-645	TKB	SHK	green	24.4	0	23.0	2.6	
595	B-646	TKB	SHK	green	27.5	0	27.0	3.4	
596	B-647	TKB	SHK	green	24.0	0	24.0	2.8	
597	B-648	TKB	SHK	green	25.0	0	22.8	2.0	
598	B-649	TKB	SHK	green	21.0	0	21.3	2.1	
599	B-650	TKB	SHK	green	19.6	0	19.6	2.2	
600	B-651	TKB	SHK	green	21.8	0	22.3	2.9	
601	B-652	TKB	SHK	green	19.0	0	18.7	2.7	
602	B-653	TKB	SHK	green	29.0	0	28.6	2.0	
603	B-654	TKB	SHK	green	21.4	0	21.6	3.4	
604	B-655	TKB	SHK	green	16.5	0	16.0	2.4	
605	B-656	TKB	SHK	green	12.0	0	11.7	1.7	
606	B-657	TKB	SHK	green	13.4	0	13.5	1.5	
607	B-658	TKB	SHK	green	16.0	0	16.0	2.3	
608	B-659	TKB	SHK	green	15.5	0	14.9	1.6	
609	B-660	TKB	SHK	green	17.2	0	17.2	2.3	
610	B-661	TKB	HKD	red	41.0	0	31.1	5.2	
611	B-662	TKB	HKD	red	40.5	0	40.2	3.9	
612	B-663	TKB	HKD	red	38.5	0	37.5	3.6	
613	B-664	TKB	HKD	red	39.4	0	38.0	3.6	
614	B-665	TKB	HKD	red	37.6	0	36.5	3.8	
615	B-666	TKB	HKD	red	33.5	0	32.5	4.2	
616	B-667	TKB	HKD	red	36.5	0	36.1	4.2	
617	B-668	TKB	HKD	red	32.0	0	33.4	4.5	
618	B-669	TKB	HKD	red	35.4	0	35.2	3.9	
619	B-670	TKB	HKD	red	30.5	0	30.3	3.5	
620	B-671	TKB	HKD	red	22.5	0	22.1	2.8	
621	B-672	TKB	HKD	red	24.0	0	22.3	2.3	
622	B-673	TKB	HKD	red	27.2	0	27.0	3.0	
623	B-674	TKB	HKD	red	28.0	0	27.5	4.0	
624	B-675	TKB	HKD	red	31.2	0	31.4	3.1	
625	B-676	TKB	HKD	red	22.5	0	21.9	2.6	
626	B-677	TKB	HKD	red	25.2	0	34.7	2.8	

627	B-678	TKB	HKD	red	17.0	0	15.5	1.7	
628	B-679	TKB	HKD	red	19.5	0	19.4	2.7	
629	B-680	TKB	HKD	red	16.0	0	15.8	2.2	
630	B-681	TKB	MKT	orange	48.0	0	49.3	4.1	
631	B-682	TKB	MKT	orange	42.5	0	42.8	3.8	
632	B-683	TKB	MKT	orange	49.2	0	49.5	3.8	
633	B-684	TKB	MKT	orange	49.5	0	50.1	3.9	
634	B-685	TKB	MKT	orange	54.8	0	55.8	3.9	
635	B-686	TKB	MKT	orange	37.0	0	36.3	3.4	
636	B-687	TKB	MKT	orange	44.0	0	44.0	3.9	
637	B-688	TKB	MKT	orange	37.0	0	36.7	3.4	
638	B-689	TKB	MKT	orange	31.5	0	31.2	3.7	
639	B-690	TKB	MKT	orange	29.5	0	29.8	3.6	
640	B-691	TKB	MKT	orange	35.4	0	36.1	3.3	
641	B-692	TKB	MKT	orange	33.5	0	32.0	3.0	
642	B-693	TKB	MKT	orange	30.0	0	30.0	2.8	
643	B-694	TKB	MKT	orange	34.0	0	33.6	2.9	
644	B-695	TKB	MKT	orange	38.5	0	28.1	2.8	
645	B-696	TKB	MKT	orange	27.0	0	26.0	2.8	
646	B-697	TKB	MKT	orange	28.2	0	26.4	2.1	
647	B-698	TKB	MKT	orange	25.6	0	25.8	2.7	
648	B-699	TKB	MKT	orange	32.0	0	32.0	2.8	
649	B-700	TKB	MKT	orange	23.5	0	23.0	2.2	
650	B-701	TKB	BDS	gray	57.0	0	61.0	4.3	
651	B-702	TKB	BDS	gray	45.0	0	45.7	3.9	
652	B-703	TKB	BDS	gray	38.8	0	39.7	3.6	
653	B-704	TKB	BDS	gray	35.5	0	35.7	3.1	
654	B-705	TKB	BDS	gray	43.0	0	45.7	4.2	
655	B-706	TKB	BDS	gray	36.8	0	35.7	3.4	
656	B-707	TKB	BDS	gray	33.8	0	33.0	2.2	
657	B-708	TKB	BDS	gray	35.0	0	33.0	2.5	
658	B-709	TKB	BDS	gray	30.0	0	30.7	3.0	
659	B-710	TKB	BDS	gray	22.2	0	21.3	2.4	
660	B-711	TKB	BDS	gray	23.5	0	24.3	2.7	
661	B-712	TKB	BDS	gray	26.0	0	25.5	3.2	

662	B-713	TKB	BDS	gray	27.5	0	26.9	2.1	
663	B-714	TKB	BDS	gray	20.2	0	19.7	2.3	
664	B-715	TKB	BDS	gray	21.0	0	21.0	2.3	
665	B-716	TKB	BDS	gray	22.0	0	20.8	2.3	
666	B-717	TKB	BDS	gray	17.0	0	15.8	2.3	
667	B-718	TKB	BDS	gray	20.0	0	19.9	1.7	
668	B-719	TKB	BDS	gray	20.2	0	20.8	1.9	
669	B-720	TKB	BDS	gray	25.0	0	25.2	2.1	
670	B-721	TKB	APS	pink	35.5	0	35.6	2.8	
671	B-722	TKB	APS	pink	44.5	0	45.2	3.9	
672	B-723	TKB	APS	pink	43.0	0	44.0	3.9	
673	B-724	TKB	APS	pink	49.2	0	51.0	5.9	
674	B-725	TKB	APS	pink	55.0	0	55.6	4.5	
675	B-726	TKB	APS	pink	38.0	0	40.2	3.9	
676	B-727	TKB	APS	pink	36.0	0	36.2	3.0	
677	B-728	TKB	APS	pink	40.0	0	40.0	3.8	
678	B-729	TKB	APS	pink	36.5	0	38.0	3.1	
679	B-730	TKB	APS	pink	35.0	0	36.0	3.3	
680	B-731	TKB	APS	pink	34.2	0	34.5	3.8	
681	B-732	TKB	APS	pink	29.8	0	29.2	3.1	
682	B-733	TKB	APS	pink	30.2	0	30.1	3.2	
683	B-734	TKB	APS	pink	24.0	0	24.5	3.0	
684	B-735	TKB	APS	pink	26.0	0	27.0	3.3	
685	B-736	TKB	APS	pink	29.8	0	29.3	3.1	
686	B-737	TKB	APS	pink	28.5	0	29.3	2.4	
687	B-738	TKB	APS	pink	27.0	0	23.2	2.7	
688	B-739	TKB	APS	pink	17.0	0	16.7	1.9	
689	B-740	TKB	APS	pink	14.8	0	14.9	1.3	
690	B-741	TKB	NGH	yellow	49.0	0	48.5	4.4	
691	B-742	TKB	NGH	yellow	44.2	0	44.0	3.7	
692	B-743	TKB	NGH	yellow	39.4	0	39.3	4.6	
693	B-744	TKB	NGH	yellow	38.5	0	40.1	3.8	
694	B-745	TKB	NGH	yellow	35.6	0	35.3	3.8	
695	B-746	TKB	NGH	yellow	35.5	0	34.6	3.2	
696	B-747	TKB	NGH	yellow	36.5	0	37.6	2.8	

697	B-748	TKB	NGH	yellow	33.5	0	33.0	3.5	
698	B-749	TKB	NGH	yellow	34.0	0	33.7	3.2	
699	B-750	TKB	NGH	yellow	38.0	0	28.7	2.8	
700	B-751	TKB	NGH	yellow	35.0	0	36.2	3.4	
701	B-752	TKB	NGH	yellow	34.4	0	33.8	3.1	
702	B-753	TKB	NGH	yellow	29.4	0	29.3	2.8	
703	B-754	TKB	NGH	yellow	25.0	0	25.7	3.5	
704	B-755	TKB	NGH	yellow	30.4	0	28.9	2.4	
705	B-756	TKB	NGH	yellow	27.0	0	26.8	2.7	
706	B-757	TKB	NGH	yellow	25.0	0	26.5	3.2	
707	B-758	TKB	NGH	yellow	21.6	0	21.3	1.6	
708	B-759	TKB	NGH	yellow	13.0	0	13.0	1.9	
709	B-760	TKB	NGH	yellow	23.0	0	23.5	1.6	
710	B-761	TKB	GYS	light_blue	42.4	0	42.3	3.1	
711	B-762	TKB	GYS	light_blue	45.2	0	44.0	3.1	
712	B-763	TKB	GYS	light_blue	44.8	0	44.6	4.1	
713	B-764	TKB	GYS	light_blue	46.0	0	46.7	3.6	
714	B-765	TKB	GYS	light_blue	47.2	0	47.2	4.6	
715	B-766	TKB	GYS	light_blue	22.0	0	22.0	2.2	
716	B-767	TKB	GYS	light_blue	23.0	0	20.2	2.4	
717	B-768	TKB	GYS	light_blue	27.0	0	17.1	2.9	
718	B-769	TKB	GYS	light_blue	35.5	0	37.5	3.2	
719	B-770	TKB	GYS	light_blue	36.8	0	37.5	3.9	
720	B-771	TKB	AKS	black	24.5	0	25.0	2.1	
721	B-772	TKB	AKS	black	30.0	0	30.5	3.9	
722	B-773	TKB	AKS	black	39.5	0	41.0	3.5	
723	B-774	TKB	AKS	black	45.5	0	44.3	4.1	
724	B-775	TKB	AKS	black	50.0	0	51.4	4.1	
725	B-776	TKB	AKS	black	22.0	0	21.6	2.5	
726	B-777	TKB	AKS	black	24.5	0	25.5	2.8	
727	B-778	TKB	AKS	black	13.2	0	13.3	1.6	
728	B-779	TKB	AKS	black	15.0	0	16.1	1.4	
729	B-780	TKB	CKS	lime	40.2	0	38.5	3.2	
730	B-781	TKB	CKS	lime	26.0	0	26.0	3.4	
731	B-782	TKB	CKS	lime	20.0	0	21.3	3.3	

732	B-783	TKB	CKS	lime	18.2	0	16.4	1.6	
733	B-801	YGT	APW	blue	30.0	1	1.0	NA	
734	B-802	YGT	APW	blue	27.0	1	3.0	NA	
735	B-803	YGT	APW	blue	28.2	1	1.0	NA	
736	B-804	YGT	APW	blue	25.2	1	1.0	NA	
737	B-805	YGT	APW	blue	25.0	1	1.0	NA	
738	B-806	YGT	APW	blue	23.5	1	2.0	NA	
739	B-807	YGT	APW	blue	15.4	1	1.0	NA	
740	B-808	YGT	APW	blue	19.8	1	5.0	NA	
741	B-809	YGT	APW	blue	20.8	1	1.0	NA	
742	B-810	YGT	APW	blue	21.5	1	1.0	NA	
743	B-811	YGT	APW	blue	19.0	0	19.0	3.0	
744	B-812	YGT	APW	blue	15.0	0	15.0	1.5	
745	B-813	YGT	APW	blue	19.2	1	2.0	NA	
746	B-814	YGT	APW	blue	15.4	1	1.0	NA	
747	B-815	YGT	APW	blue	15.5	1	1.0	NA	
748	B-816	YGT	APW	blue	11.0	0	12.0	1.4	
749	B-817	YGT	APW	blue	7.8	0	9.0	NA	
750	B-818	YGT	APW	blue	10.8	0	12.0	1.5	
751	B-819	YGT	APW	blue	9.0	0	9.0	NA	
752	B-820	YGT	APW	blue	11.0	1	1.0	NA	
753	B-821	YGT	URU	white	35.5	0	37.0	3.2	
754	B-822	YGT	URU	white	34.4	0	32.0	2.4	
755	B-823	YGT	URU	white	27.0	0	26.0	3.3	
756	B-824	YGT	URU	white	29.8	1	7.0	NA	
757	B-825	YGT	URU	white	21.5	1	2.0	NA	
758	B-826	YGT	URU	white	21.5	0	24.0	2.1	
759	B-827	YGT	URU	white	22.0	0	22.0	1.5	
760	B-828	YGT	URU	white	21.5	0	19.0	1.7	
761	B-829	YGT	URU	white	34.6	1	15.0	1.2	
762	B-830	YGT	URU	white	27.5	1	8.0	NA	
763	B-831	YGT	URU	white	38.5	0	39.0	3.6	
764	B-832	YGT	URU	white	34.5	0	35.0	3.6	
765	B-833	YGT	URU	white	36.5	0	39.0	3.5	
766	B-834	YGT	URU	white	24.4	0	25.0	3.5	

767	B-835	YGT	URU	white	32.8	0	31.0	2.7	
768	B-836	YGT	URU	white	37.5	1	19.0	3.5	
769	B-837	YGT	URU	white	39.8	0	39.0	3.5	
770	B-838	YGT	URU	white	39.2	0	37.0	4.2	
771	B-839	YGT	URU	white	42.5	0	42.0	3.5	
772	B-840	YGT	URU	white	47.5	0	48.0	3.4	
773	B-841	YGT	SHK	green	41.2	0	42.0	3.2	
774	B-842	YGT	SHK	green	31.4	0	32.0	2.8	
775	B-843	YGT	SHK	green	28.5	0	29.0	3.4	
776	B-844	YGT	SHK	green	28.2	0	27.0	2.7	
777	B-845	YGT	SHK	green	27.0	0	27.0	1.7	
778	B-846	YGT	SHK	green	22.0	0	23.0	3.1	
779	B-847	YGT	SHK	green	26.0	0	28.0	3.0	
780	B-848	YGT	SHK	green	27.0	0	26.0	3.0	
781	B-849	YGT	SHK	green	24.4	0	23.0	3.1	
782	B-850	YGT	SHK	green	22.5	0	21.0	2.9	
783	B-851	YGT	SHK	green	18.5	0	21.0	2.7	
784	B-852	YGT	SHK	green	20.6	0	19.0	2.4	
785	B-853	YGT	SHK	green	22.0	0	21.0	2.9	
786	B-854	YGT	SHK	green	20.0	0	20.0	2.5	
787	B-855	YGT	SHK	green	20.8	0	21.0	3.1	
788	B-856	YGT	SHK	green	19.8	0	20.0	1.9	
789	B-857	YGT	SHK	green	15.5	0	15.0	1.8	
790	B-858	YGT	SHK	green	14.0	0	12.0	1.2	
791	B-859	YGT	SHK	green	16.0	0	15.0	1.9	
792	B-860	YGT	SHK	green	14.0	0	14.0	1.3	
793	B-861	YGT	HKD	red	39.5	0	37.0	3.7	
794	B-862	YGT	HKD	red	41.0	0	41.0	4.4	
795	B-863	YGT	HKD	red	41.2	0	41.0	4.4	
796	B-864	YGT	HKD	red	42.0	0	42.0	4.1	
797	B-865	YGT	HKD	red	46.5	0	46.0	3.4	
798	B-866	YGT	HKD	red	38.5	0	37.0	3.0	
799	B-867	YGT	HKD	red	31.0	0	32.0	3.8	
800	B-868	YGT	HKD	red	33.5	0	33.0	3.6	
801	B-869	YGT	HKD	red	27.0	0	28.0	3.0	

802	B-870	YGT	HKD	red	24.8	1	12.0	3.2	
803	B-871	YGT	HKD	red	33.0	1	1.0	NA	
804	B-872	YGT	HKD	red	35.0	1	2.0	NA	
805	B-873	YGT	HKD	red	33.0	0	33.0	3.2	
806	B-874	YGT	HKD	red	31.5	0	33.0	3.4	
807	B-875	YGT	HKD	red	35.2	0	36.0	3.0	
808	B-876	YGT	HKD	red	29.0	1	5.0	NA	
809	B-877	YGT	HKD	red	26.6	1	1.0	NA	
810	B-878	YGT	HKD	red	23.5	1	4.0	NA	
811	B-879	YGT	HKD	red	23.0	1	2.0	NA	
812	B-880	YGT	HKD	red	19.8	0	18.0	1.7	
813	B-881	YGT	MKT	orange	44.0	0	45.0	3.6	
814	B-882	YGT	MKT	orange	48.0	0	46.0	3.4	
815	B-883	YGT	MKT	orange	49.2	1	9.0	NA	
816	B-884	YGT	MKT	orange	49.0	1	6.0	NA	
817	B-885	YGT	MKT	orange	55.5	1	9.0	NA	
818	B-886	YGT	MKT	orange	44.8	0	44.0	2.5	
819	B-887	YGT	MKT	orange	43.0	0	43.0	3.1	
820	B-888	YGT	MKT	orange	39.8	1	8.0	NA	
821	B-889	YGT	MKT	orange	38.0	1	7.0	NA	
822	B-890	YGT	MKT	orange	30.0	1	7.0	NA	
823	B-891	YGT	MKT	orange	34.0	0	33.0	2.5	
824	B-892	YGT	MKT	orange	33.4	0	32.0	2.7	
825	B-893	YGT	MKT	orange	35.0	0	36.0	3.0	
826	B-894	YGT	MKT	orange	34.6	1	7.0	NA	
827	B-895	YGT	MKT	orange	37.0	1	5.0	NA	
828	B-896	YGT	MKT	orange	29.2	0	28.0	3.1	
829	B-897	YGT	MKT	orange	29.5	0	27.0	2.4	
830	B-898	YGT	MKT	orange	25.0	1	9.0	NA	
831	B-899	YGT	MKT	orange	21.0	1	6.0	NA	
832	B-900	YGT	MKT	orange	19.5	1	7.0	NA	
833	B-901	YGT	BDS	gray	58.1	0	60.0	4.6	
834	B-902	YGT	BDS	gray	47.4	1	9.0	NA	
835	B-903	YGT	BDS	gray	42.0	1	9.0	NA	
836	B-904	YGT	BDS	gray	34.0	1	6.0	NA	

837	B-905	YGT	BDS	gray	38.2	0	1.0	NA	
838	B-906	YGT	BDS	gray	41.7	0	41.0	3.3	
839	B-907	YGT	BDS	gray	34.2	0	36.0	2.6	
840	B-908	YGT	BDS	gray	29.7	0	29.0	2.7	
841	B-909	YGT	BDS	gray	31.5	1	9.0	NA	
842	B-910	YGT	BDS	gray	27.5	1	33.0	2.8	
843	B-911	YGT	BDS	gray	29.7	0	28.0	3.2	
844	B-912	YGT	BDS	gray	19.5	0	18.0	2.1	
845	B-913	YGT	BDS	gray	30.2	0	30.0	2.0	
846	B-914	YGT	BDS	gray	27.0	0	25.0	2.1	
847	B-915	YGT	BDS	gray	22.6	1	8.0	NA	
848	B-916	YGT	BDS	gray	19.0	1	3.0	NA	
849	B-917	YGT	BDS	gray	24.5	0	24.0	1.9	
850	B-918	YGT	BDS	gray	21.0	0	22.0	1.8	
851	B-919	YGT	BDS	gray	13.0	0	11.0	1.7	
852	B-920	YGT	BDS	gray	15.5	0	16.0	1.6	
853	B-921	YGT	APS	pink	41.5	0	42.0	2.8	
854	B-922	YGT	APS	pink	42.0	0	40.0	3.1	
855	B-923	YGT	APS	pink	41.2	0	42.0	3.8	
856	B-924	YGT	APS	pink	42.0	0	43.0	4.2	
857	B-925	YGT	APS	pink	46.8	0	47.0	4.2	
858	B-926	YGT	APS	pink	28.8	0	40.0	3.0	
859	B-927	YGT	APS	pink	35.5	0	35.0	3.3	
860	B-928	YGT	APS	pink	35.5	0	35.0	3.1	
861	B-929	YGT	APS	pink	36.5	0	39.0	3.5	
862	B-930	YGT	APS	pink	35.5	0	35.0	3.2	
863	B-931	YGT	APS	pink	28.5	0	28.0	2.4	
864	B-932	YGT	APS	pink	30.5	0	32.0	3.0	
865	B-933	YGT	APS	pink	35.0	0	36.0	3.0	
866	B-934	YGT	APS	pink	26.5	0	28.0	2.8	
867	B-935	YGT	APS	pink	30.2	0	31.0	2.6	
868	B-936	YGT	APS	pink	34.0	0	32.0	2.7	
869	B-937	YGT	APS	pink	24.0	0	23.0	2.2	
870	B-938	YGT	APS	pink	24.0	0	26.0	1.7	
871	B-939	YGT	APS	pink	21.0	0	19.0	1.6	

872	B-940	YGT	APS	pink	15.5	0	14.0	1.2	
873	B-941	YGT	NGH	yellow	46.5	0	47.0	4.0	
874	B-942	YGT	NGH	yellow	44.8	0	42.0	3.3	
875	B-943	YGT	NGH	yellow	40.0	0	40.0	3.3	
876	B-944	YGT	NGH	yellow	37.5	0	38.0	3.7	
877	B-945	YGT	NGH	yellow	37.5	0	35.0	3.0	
878	B-946	YGT	NGH	yellow	34.0	0	34.0	3.0	
879	B-947	YGT	NGH	yellow	33.5	0	35.0	4.7	
880	B-948	YGT	NGH	yellow	33.8	0	33.0	3.6	
881	B-949	YGT	NGH	yellow	39.0	0	38.0	2.5	
882	B-950	YGT	NGH	yellow	33.4	0	32.0	3.3	
883	B-951	YGT	NGH	yellow	27.4	0	28.0	3.4	
884	B-952	YGT	NGH	yellow	26.8	0	26.0	3.3	
885	B-953	YGT	NGH	yellow	27.0	0	25.0	2.3	
886	B-954	YGT	NGH	yellow	29.5	0	28.0	2.5	
887	B-955	YGT	NGH	yellow	27.0	0	27.0	2.9	
888	B-956	YGT	NGH	yellow	27.5	0	30.0	2.6	
889	B-957	YGT	NGH	yellow	28.0	0	29.0	2.4	
890	B-958	YGT	NGH	yellow	18.2	0	20.0	2.3	
891	B-959	YGT	NGH	yellow	24.0	0	23.0	2.4	
892	B-960	YGT	NGH	yellow	17.6	0	15.0	1.5	
893	B-961	YGT	GYS	light_blue	39.5	1	1.0	NA	
894	B-962	YGT	GYS	light_blue	26.4	1	1.0	NA	
895	B-963	YGT	GYS	light_blue	38.0	1	2.0	NA	
896	B-964	YGT	GYS	light_blue	47.0	1	9.0	NA	
897	B-965	YGT	GYS	light_blue	56.2	1	9.0	NA	
898	B-966	YGT	GYS	light_blue	22.0	1	3.0	NA	
899	B-967	YGT	GYS	light_blue	25.2	1	1.0	NA	
900	B-968	YGT	GYS	light_blue	25.0	0	25.0	3.1	
901	B-969	YGT	GYS	light_blue	29.5	0	30.0	3.2	
902	B-970	YGT	GYS	light_blue	37.0	0	37.0	4.0	
903	B-971	YGT	AKS	black	28.5	0	28.0	2.6	
904	B-972	YGT	AKS	black	34.5	0	35.0	3.6	
905	B-973	YGT	AKS	black	44.5	0	44.0	3.6	
906	B-974	YGT	AKS	black	40.5	0	40.0	3.4	

907	B-975	YGT	AKS	black	45.5	0	45.0	4.1	
908	B-976	YGT	AKS	black	25.8	0	27.0	3.2	
909	B-977	YGT	AKS	black	34.5	0	33.0	2.5	
910	B-978	YGT	AKS	black	22.0	0	22.0	1.9	
911	B-979	YGT	AKS	black	18.0	0	18.0	1.4	
912	B-980	YGT	CKS	lime	39.2	0	38.0	3.5	
913	B-981	YGT	CKS	lime	29.5	0	29.0	2.8	
914	B-982	YGT	CKS	lime	23.0	0	22.0	2.4	
915	B-983	YGT	CKS	lime	14.2	0	15.0	1.4	
916	C-001	INA	APW	blue	27.7	1	6.9	NA	H <10cm
917	C-002	INA	APW	blue	29.5	1	4.9	NA	H <10cm
918	C-003	INA	APW	blue	27.5	1	5.5	NA	H <10cm
919	C-004	INA	APW	blue	26.7	1	9.0	NA	H <10cm
920	C-005	INA	APW	blue	23.3	1	9.6	NA	
921	C-006	INA	APW	blue	22.8	1	5.5	NA	
922	C-007	INA	APW	blue	24.4	1	11.2	2.5	
923	C-008	INA	APW	blue	18.5	1	10.3	2.4	
924	C-009	INA	APW	blue	18.0	1	13.6	2.8	
925	C-010	INA	APW	blue	18.5	1	10.5	1.9	
926	C-011	INA	APW	blue	17.6	1	3.6	NA	
927	C-012	INA	APW	blue	15.0	0	16.3	1.1	
928	C-013	INA	APW	blue	17.7	0	14.0	2.1	trunk broken
929	C-014	INA	APW	blue	17.4	1	10.5	0.4	trunk broken
930	C-015	INA	APW	blue	13.3	1	10.2	2.1	trunk broken
931	C-016	INA	APW	blue	5.0	0	3.2	NA	
932	C-017	INA	APW	blue	9.6	0	6.0	NA	
933	C-018	INA	APW	blue	10.3	0	10.0	NA	
934	C-019	INA	APW	blue	9.0	0	9.5	NA	
935	C-020	INA	APW	blue	11.0	0	10.0	NA	
936	C-021	INA	URU	white	43.9	0	44.0	2.8	
937	C-022	INA	URU	white	40.8	0	40.2	3.7	
938	C-023	INA	URU	white	38.5	0	38.2	2.6	
939	C-024	INA	URU	white	38.0	0	40.3	2.4	
940	C-025	INA	URU	white	37.0	0	37.0	3.0	
941	C-026	INA	URU	white	35.7	1	4.6	NA	

942	C-027	INA	URU	white	36.0	0	35.6	3.4	
943	C-028	INA	URU	white	37.6	0	38.0	3.1	
944	C-029	INA	URU	white	34.2	0	33.1	3.9	
945	C-030	INA	URU	white	36.5	0	39.0	2.9	
946	C-031	INA	URU	white	30.0	0	31.5	1.7	
947	C-032	INA	URU	white	25.9	0	26.3	3.0	
948	C-033	INA	URU	white	29.0	0	24.1	3.0	trunk broken
949	C-034	INA	URU	white	36.6	0	36.0	3.1	
950	C-035	INA	URU	white	34.9	0	33.8	2.9	
951	C-036	INA	URU	white	13.2	0	12.5	1.5	
952	C-037	INA	URU	white	25.0	0	25.2	3.2	
953	C-038	INA	URU	white	25.0	0	24.2	2.6	
954	C-039	INA	URU	white	25.0	0	23.6	2.9	
955	C-040	INA	URU	white	26.0	0	24.5	1.9	
956	C-041	INA	SHK	green	32.5	1	16.0	3.7	
957	C-042	INA	SHK	green	32.0	1	13.3	2.8	
958	C-043	INA	SHK	green	28.5	1	12.4	2.3	
959	C-044	INA	SHK	green	27.0	1	15.7	2.0	
960	C-045	INA	SHK	green	27.5	0	26.6	3.6	
961	C-046	INA	SHK	green	28.0	1	11.3	2.9	
962	C-047	INA	SHK	green	27.9	1	10.5	3.5	
963	C-048	INA	SHK	green	27.0	1	8.7	NA	
964	C-049	INA	SHK	green	26.4	1	12.6	2.4	
965	C-050	INA	SHK	green	23.6	1	13.1	2.6	
966	C-051	INA	SHK	green	25.0	1	11.0	3.1	
967	C-052	INA	SHK	green	20.6	1	10.2	2.5	
968	C-053	INA	SHK	green	20.0	1	10.5	1.8	
969	C-054	INA	SHK	green	19.5	1	9.2	NA	
970	C-055	INA	SHK	green	18.0	1	10.4	2.9	
971	C-056	INA	SHK	green	18.0	1	15.2	2.0	broken
972	C-057	INA	SHK	green	15.8	0	15.0	1.2	
973	C-058	INA	SHK	green	16.0	1	11.2	1.9	broken
974	C-059	INA	SHK	green	13.5	1	9.4	NA	broken
975	C-060	INA	SHK	green	10.0	0	10.8	NA	
976	C-061	INA	HKD	red	39.0	1	22.7	3.7	

977	C-062	INA	HKD	red	42.5	0	42.5	3.8	
978	C-063	INA	HKD	red	42.6	1	30.4	3.8	broken
979	C-064	INA	HKD	red	40.0	0	37.5	3.8	
980	C-065	INA	HKD	red	44.0	1	21.1	4.7	
981	C-066	INA	HKD	red	36.0	0	33.7	4.3	
982	C-067	INA	HKD	red	35.0	0	33.2	3.4	
983	C-068	INA	HKD	red	36.8	0	37.3	4.3	
984	C-069	INA	HKD	red	35.0	1	28.0	3.4	broken
985	C-070	INA	HKD	red	35.0	0	33.2	3.0	
986	C-071	INA	HKD	red	35.0	0	37.3	2.2	
987	C-072	INA	HKD	red	28.7	0	27.2	2.9	
988	C-073	INA	HKD	red	31.5	0	31.5	2.9	
989	C-074	INA	HKD	red	29.6	0	28.5	2.9	
990	C-075	INA	HKD	red	27.2	0	27.0	2.5	
991	C-076	INA	HKD	red	24.5	0	22.0	2.4	
992	C-077	INA	HKD	red	28.4	0	27.9	2.9	
993	C-078	INA	HKD	red	21.0	0	22.8	2.0	
994	C-079	INA	HKD	red	20.3	0	20.0	2.5	
995	C-080	INA	HKD	red	17.3	0	16.6	1.1	
996	C-081	INA	MKT	orange	46.9	1	9.0	NA	
997	C-082	INA	MKT	orange	43.6	1	3.0	NA	
998	C-083	INA	MKT	orange	38.6	1	4.5	NA	
999	C-084	INA	MKT	orange	37.8	1	3.8	NA	
1000	C-085	INA	MKT	orange	35.0	1	1.5	NA	
1001	C-086	INA	MKT	orange	35.5	1	8.9	NA	
1002	C-087	INA	MKT	orange	38.9	1	6.0	NA	
1003	C-088	INA	MKT	orange	34.4	1	6.0	NA	
1004	C-089	INA	MKT	orange	43.5	1	2.0	NA	
1005	C-090	INA	MKT	orange	35.0	1	5.3	NA	
1006	C-091	INA	MKT	orange	33.9	1	9.8	NA	
1007	C-092	INA	MKT	orange	34.5	1	2.5	NA	
1008	C-093	INA	MKT	orange	33.7	1	4.7	NA	
1009	C-094	INA	MKT	orange	27.8	1	13.3	2.5	
1010	C-095	INA	MKT	orange	25.0	1	1.4	NA	
1011	C-096	INA	MKT	orange	25.0	0	23.3	1.5	

1012	C-097	INA	MKT	orange	23.7	0	22.3	1.6	
1013	C-098	INA	MKT	orange	24.5	1	8.5	NA	
1014	C-099	INA	MKT	orange	21.0	0	21.1	2.2	
1015	C-100	INA	MKT	orange	27.0	1	5.3	NA	
1016	C-101	INA	BDS	gray	58.6	1	10.1	3.9	
1017	C-102	INA	BDS	gray	53.5	1	13.2	3.9	
1018	C-103	INA	BDS	gray	39.0	1	8.0	NA	
1019	C-104	INA	BDS	gray	39.0	1	7.7	NA	
1020	C-105	INA	BDS	gray	35.0	1	9.1	NA	
1021	C-106	INA	BDS	gray	34.6	1	8.9	NA	
1022	C-107	INA	BDS	gray	33.0	1	11.3	2.4	
1023	C-108	INA	BDS	gray	32.5	1	10.5	2.7	
1024	C-109	INA	BDS	gray	28.4	1	12.7	3.0	
1025	C-110	INA	BDS	gray	27.5	1	6.5	NA	
1026	C-111	INA	BDS	gray	31.5	1	4.5	NA	
1027	C-112	INA	BDS	gray	29.0	1	7.2	NA	
1028	C-113	INA	BDS	gray	30.0	1	11.1	2.4	
1029	C-114	INA	BDS	gray	21.5	1	7.0	NA	
1030	C-115	INA	BDS	gray	20.0	1	4.5	NA	
1031	C-116	INA	BDS	gray	18.0	0	2.0	NA	
1032	C-117	INA	BDS	gray	20.2	0	0.2	NA	
1033	C-118	INA	BDS	gray	16.2	0	0.2	NA	
1034	C-119	INA	BDS	gray	16.0	1	3.1	NA	
1035	C-120	INA	BDS	gray	13.0	0	13.6	1.2	
1036	C-121	INA	APS	pink	40.0	1	8.5	NA	
1037	C-122	INA	APS	pink	39.0	1	5.9	NA	
1038	C-123	INA	APS	pink	43.4	1	0.7	NA	
1039	C-124	INA	APS	pink	48.4	1	5.0	NA	
1040	C-125	INA	APS	pink	46.0	1	2.5	NA	
1041	C-126	INA	APS	pink	36.8	1	4.0	NA	
1042	C-127	INA	APS	pink	40.5	1	6.3	NA	
1043	C-128	INA	APS	pink	37.7	1	4.2	NA	
1044	C-129	INA	APS	pink	40.6	1	5.1	NA	
1045	C-130	INA	APS	pink	35.0	1	6.0	NA	
1046	C-131	INA	APS	pink	37.0	1	5.0	NA	

1047	C-132	INA	APS	pink	38.0	1	7.5	NA	
1048	C-133	INA	APS	pink	32.6	1	9.0	NA	
1049	C-134	INA	APS	pink	34.5	1	8.7	NA	
1050	C-135	INA	APS	pink	28.0	1	8.5	NA	
1051	C-136	INA	APS	pink	34.5	0	0.1	NA	
1052	C-137	INA	APS	pink	20.0	1	8.0	NA	
1053	C-138	INA	APS	pink	20.6	1	4.2	NA	
1054	C-139	INA	APS	pink	20.0	1	7.6	NA	
1055	C-140	INA	APS	pink	15.0	0	11.5	1.8	trunk broken
1056	C-141	INA	NGH	yellow	37.4	0	1.0	NA	H <10cm
1057	C-142	INA	NGH	yellow	43.0	1	3.0	NA	H <10cm
1058	C-143	INA	NGH	yellow	38.8	1	5.6	NA	H <10cm
1059	C-144	INA	NGH	yellow	44.9	1	8.0	NA	H <10cm
1060	C-145	INA	NGH	yellow	45.9	1	8.0	NA	H <10cm
1061	C-146	INA	NGH	yellow	37.0	1	2.0	NA	H <10cm
1062	C-147	INA	NGH	yellow	36.6	1	4.5	NA	H <10cm
1063	C-148	INA	NGH	yellow	35.0	1	2.4	NA	H <10cm
1064	C-149	INA	NGH	yellow	28.0	1	3.7	NA	H <10cm
1065	C-150	INA	NGH	yellow	30.0	1	8.2	NA	H <10cm
1066	C-151	INA	NGH	yellow	36.1	1	1.0	NA	H <10cm
1067	C-152	INA	NGH	yellow	29.0	0	2.0	NA	H <10cm
1068	C-153	INA	NGH	yellow	27.1	1	3.0	NA	H <10cm
1069	C-154	INA	NGH	yellow	31.5	1	11.0	NA	
1070	C-155	INA	NGH	yellow	25.8	1	0.6	NA	H <10cm
1071	C-156	INA	NGH	yellow	25.0	0	0.1	NA	H <10cm
1072	C-157	INA	NGH	yellow	22.3	0	2.0	NA	H <10cm
1073	C-158	INA	NGH	yellow	25.4	0	0.2	NA	H <10cm
1074	C-159	INA	NGH	yellow	18.2	1	0.5	NA	H <10cm
1075	C-160	INA	NGH	yellow	19.0	1	0.3	NA	H <10cm
1076	C-161	INA	GYS	light_blue	34.0	0	22.6	3.1	
1077	C-162	INA	GYS	light_blue	34.8	0	33.0	3.3	
1078	C-163	INA	GYS	light_blue	41.2	1	32.4	2.5	
1079	C-164	INA	GYS	light_blue	46.4	1	31.1	3.2	broken
1080	C-165	INA	GYS	light_blue	52.4	0	49.9	2.8	
1081	C-166	INA	GYS	light_blue	29.0	1	18.8	1.3	roken

1082	C-167	INA	GYS	light_blue	29.5	0	29.0	3.1	
1083	C-168	INA	GYS	light_blue	26.0	0	25.6	3.1	
1084	C-169	INA	GYS	light_blue	38.5	0	37.0	3.2	
1085	C-170	INA	GYS	light_blue	36.0	0	35.1	3.0	
1086	C-171	INA	AKS	black	30.0	1	12.6	3.4	
1087	C-172	INA	AKS	black	31.0	1	12.9	2.8	
1088	C-173	INA	AKS	black	38.0	1	13.7	2.9	
1089	C-174	INA	AKS	black	37.5	1	34.5	3.2	
1090	C-175	INA	AKS	black	39.8	1	21.5	3.8	
1091	C-176	INA	AKS	black	28.5	1	15.3	2.1	broken
1092	C-177	INA	AKS	black	27.7	0	24.9	2.2	
1093	C-178	INA	AKS	black	33.5	1	10.4	2.2	
1094	C-179	INA	AKS	black	16.0	0	14.9	0.2	
1095	C-180	INA	CKS	lime	31.0	1	1.3	NA	
1096	C-181	INA	CKS	lime	28.3	1	5.2	NA	
1097	C-182	INA	CKS	lime	22.7	1	12.1	3.2	
1098	C-183	INA	CKS	lime	15.5	0	14.5	0.8	
1099	C-201	TNR	APW	blue	33.7	0	31.2	3.7	
1100	C-202	TNR	APW	blue	31.0	0	28.1	3.3	
1101	C-203	TNR	APW	blue	28.8	0	26.9	2.6	
1102	C-204	TNR	APW	blue	27.5	0	24.6	2.8	
1103	C-205	TNR	APW	blue	23.7	0	22.4	2.9	
1104	C-206	TNR	APW	blue	23.0	0	21.8	2.7	
1105	C-207	TNR	APW	blue	23.0	0	20.2	2.6	
1106	C-208	TNR	APW	blue	19.2	0	18.8	2.7	
1107	C-209	TNR	APW	blue	20.0	0	18.8	2.8	
1108	C-210	TNR	APW	blue	20.5	0	19.7	2.8	
1109	C-211	TNR	APW	blue	19.5	0	16.3	2.4	
1110	C-212	TNR	APW	blue	19.5	0	16.7	2.9	
1111	C-213	TNR	APW	blue	15.0	0	14.1	2.0	
1112	C-214	TNR	APW	blue	16.5	0	15.7	2.3	
1113	C-215	TNR	APW	blue	13.3	0	11.8	1.2	
1114	C-216	TNR	APW	blue	9.7	0	4.7	NA	
1115	C-217	TNR	APW	blue	10.0	0	8.1	NA	
1116	C-218	TNR	APW	blue	9.0	0	8.1	NA	

1117	C-219	TNR	APW	blue	12.0	0	12.0	1.1	
1118	C-220	TNR	APW	blue	10.6	0	10.5	1.3	
1119	C-221	TNR	URU	white	43.7	0	44.6	3.7	
1120	C-222	TNR	URU	white	41.7	0	41.7	5.0	
1121	C-223	TNR	URU	white	38.6	0	36.8	3.9	
1122	C-224	TNR	URU	white	38.8	0	37.8	4.1	
1123	C-225	TNR	URU	white	37.5	0	35.8	3.5	
1124	C-226	TNR	URU	white	37.0	0	36.0	3.8	
1125	C-227	TNR	URU	white	33.8	0	32.1	4.2	
1126	C-228	TNR	URU	white	31.8	0	30.3	3.8	
1127	C-229	TNR	URU	white	36.5	0	34.9	3.2	
1128	C-230	TNR	URU	white	33.0	0	29.9	2.4	
1129	C-231	TNR	URU	white	26.7	0	24.6	3.1	
1130	C-232	TNR	URU	white	27.5	0	25.0	2.7	
1131	C-233	TNR	URU	white	29.5	0	28.4	3.0	
1132	C-234	TNR	URU	white	25.1	0	22.0	2.9	
1133	C-235	TNR	URU	white	30.0	0	27.4	3.1	
1134	C-236	TNR	URU	white	27.5	0	25.1	2.5	
1135	C-237	TNR	URU	white	22.2	0	19.8	1.9	
1136	C-238	TNR	URU	white	29.0	0	25.5	2.6	
1137	C-239	TNR	URU	white	26.0	0	26.0	3.0	
1138	C-240	TNR	URU	white	28.0	0	28.0	3.1	
1139	C-241	TNR	SHK	green	35.5	0	33.8	3.2	
1140	C-242	TNR	SHK	green	34.7	0	34.0	2.9	
1141	C-243	TNR	SHK	green	30.0	0	28.3	2.6	
1142	C-244	TNR	SHK	green	31.7	0	29.9	3.2	
1143	C-245	TNR	SHK	green	26.0	0	24.0	3.4	
1144	C-246	TNR	SHK	green	23.0	0	21.9	3.1	
1145	C-247	TNR	SHK	green	23.4	0	22.9	2.9	
1146	C-248	TNR	SHK	green	26.0	0	22.6	2.1	
1147	C-249	TNR	SHK	green	22.7	0	21.2	3.1	
1148	C-250	TNR	SHK	green	23.8	0	23.2	2.6	
1149	C-251	TNR	SHK	green	20.0	0	15.9	2.3	
1150	C-252	TNR	SHK	green	17.8	0	17.1	2.3	
1151	C-253	TNR	SHK	green	17.5	0	17.8	2.1	

1152	C-254	TNR	SHK	green	19.0	0	18.6	2.1	
1153	C-255	TNR	SHK	green	24.0	0	24.1	2.6	
1154	C-256	TNR	SHK	green	24.4	0	13.5	1.9	
1155	C-257	TNR	SHK	green	17.0	0	15.8	1.8	
1156	C-258	TNR	SHK	green	16.2	0	14.7	2.1	
1157	C-259	TNR	SHK	green	14.5	0	14.2	1.8	
1158	C-260	TNR	SHK	green	13.0	0	9.8	NA	
1159	C-261	TNR	HKD	red	42.2	0	40.4	3.6	
1160	C-262	TNR	HKD	red	36.2	0	32.4	3.6	
1161	C-263	TNR	HKD	red	44.0	0	42.8	2.7	
1162	C-264	TNR	HKD	red	39.6	0	38.6	4.3	
1163	C-265	TNR	HKD	red	46.8	0	45.4	3.8	
1164	C-266	TNR	HKD	red	41.0	0	41.3	3.9	
1165	C-267	TNR	HKD	red	39.8	0	37.9	3.6	
1166	C-268	TNR	HKD	red	34.2	0	33.1	3.1	
1167	C-269	TNR	HKD	red	32.8	0	31.6	3.4	
1168	C-270	TNR	HKD	red	39.6	0	28.6	3.2	
1169	C-271	TNR	HKD	red	31.0	0	28.0	3.0	
1170	C-272	TNR	HKD	red	28.0	0	27.4	2.9	
1171	C-273	TNR	HKD	red	24.2	0	24.5	3.4	
1172	C-274	TNR	HKD	red	25.5	0	23.9	2.5	
1173	C-275	TNR	HKD	red	25.2	0	23.9	2.7	
1174	C-276	TNR	HKD	red	24.0	0	22.7	2.2	
1175	C-277	TNR	HKD	red	23.6	0	20.6	2.6	
1176	C-278	TNR	HKD	red	29.0	0	17.8	1.7	
1177	C-279	TNR	HKD	red	18.0	0	16.2	2.1	
1178	C-280	TNR	HKD	red	15.6	0	13.4	1.7	
1179	C-281	TNR	MKT	orange	39.0	0	37.0	3.3	
1180	C-282	TNR	MKT	orange	40.6	0	37.9	3.1	
1181	C-283	TNR	MKT	orange	38.2	0	36.3	2.9	
1182	C-284	TNR	MKT	orange	39.0	0	34.6	3.4	
1183	C-285	TNR	MKT	orange	37.0	0	36.6	3.6	
1184	C-286	TNR	MKT	orange	33.0	0	30.5	2.8	
1185	C-287	TNR	MKT	orange	32.5	0	28.6	2.8	
1186	C-288	TNR	MKT	orange	30.2	0	28.6	2.8	

1187	C-289	TNR	MKT	orange	38.5	0	38.1	3.2	
1188	C-290	TNR	MKT	orange	42.0	0	41.7	3.7	
1189	C-291	TNR	MKT	orange	35.0	0	32.5	2.7	
1190	C-292	TNR	MKT	orange	28.6	0	27.6	2.8	
1191	C-293	TNR	MKT	orange	32.0	0	29.3	2.6	
1192	C-294	TNR	MKT	orange	29.0	0	32.2	2.3	
1193	C-295	TNR	MKT	orange	38.5	0	37.8	2.4	
1194	C-296	TNR	MKT	orange	23.0	0	21.5	1.9	
1195	C-297	TNR	MKT	orange	33.5	0	27.7	2.7	
1196	C-298	TNR	MKT	orange	31.5	0	19.3	2.2	
1197	C-299	TNR	MKT	orange	28.5	0	27.4	2.1	
1198	C-300	TNR	MKT	orange	33.6	0	32.2	2.2	
1199	C-301	TNR	BDS	gray	40.5	0	40.1	3.2	
1200	C-302	TNR	BDS	gray	43.0	0	43.3	3.4	
1201	C-303	TNR	BDS	gray	39.6	0	38.2	3.1	
1202	C-304	TNR	BDS	gray	42.4	0	43.1	2.8	
1203	C-305	TNR	BDS	gray	49.5	0	48.7	3.6	
1204	C-306	TNR	BDS	gray	32.0	0	30.7	3.0	
1205	C-307	TNR	BDS	gray	34.0	0	34.2	3.7	
1206	C-308	TNR	BDS	gray	35.0	0	34.0	3.8	
1207	C-309	TNR	BDS	gray	31.6	0	28.2	3.1	
1208	C-310	TNR	BDS	gray	32.0	0	31.5	3.0	
1209	C-311	TNR	BDS	gray	22.5	0	20.6	2.6	
1210	C-312	TNR	BDS	gray	27.0	0	26.2	2.0	
1211	C-313	TNR	BDS	gray	25.0	0	24.4	2.7	
1212	C-314	TNR	BDS	gray	25.0	0	22.0	2.4	
1213	C-315	TNR	BDS	gray	29.5	0	26.9	2.5	
1214	C-316	TNR	BDS	gray	20.0	0	17.9	1.8	
1215	C-317	TNR	BDS	gray	13.7	0	12.4	1.3	
1216	C-318	TNR	BDS	gray	16.0	0	16.0	1.7	
1217	C-319	TNR	BDS	gray	16.0	0	17.2	2.1	
1218	C-320	TNR	BDS	gray	27.9	0	25.7	2.3	
1219	C-321	TNR	APS	pink	40.4	0	39.8	3.3	
1220	C-322	TNR	APS	pink	40.6	0	37.8	3.1	
1221	C-323	TNR	APS	pink	43.4	0	42.1	4.3	

1222	C-324	TNR	APS	pink	45.0	0	43.1	3.9	
1223	C-325	TNR	APS	pink	48.2	0	46.5	3.6	
1224	C-326	TNR	APS	pink	34.6	0	33.7	3.9	
1225	C-327	TNR	APS	pink	42.0	0	40.0	3.2	
1226	C-328	TNR	APS	pink	39.6	0	37.8	2.7	
1227	C-329	TNR	APS	pink	39.8	0	38.7	3.2	
1228	C-330	TNR	APS	pink	36.8	0	36.4	2.8	
1229	C-331	TNR	APS	pink	21.8	0	29.8	2.9	
1230	C-332	TNR	APS	pink	37.4	0	36.7	2.8	
1231	C-333	TNR	APS	pink	35.0	0	35.2	3.2	
1232	C-334	TNR	APS	pink	39.8	0	38.8	3.2	
1233	C-335	TNR	APS	pink	35.4	0	34.4	3.1	
1234	C-336	TNR	APS	pink	15.6	0	16.0	1.6	
1235	C-337	TNR	APS	pink	24.0	0	21.4	1.8	
1236	C-338	TNR	APS	pink	24.4	0	23.2	1.9	
1237	C-339	TNR	APS	pink	28.2	0	25.0	1.8	
1238	C-340	TNR	APS	pink	32.8	0	31.1	2.7	
1239	C-341	TNR	NGH	yellow	40.8	0	38.7	2.9	
1240	C-342	TNR	NGH	yellow	45.2	0	44.3	3.7	
1241	C-343	TNR	NGH	yellow	46.8	0	45.8	3.8	
1242	C-344	TNR	NGH	yellow	40.8	0	44.7	4.3	
1243	C-345	TNR	NGH	yellow	50.6	0	49.8	4.2	
1244	C-346	TNR	NGH	yellow	22.2	0	32.0	3.2	
1245	C-347	TNR	NGH	yellow	32.2	0	31.9	3.7	
1246	C-348	TNR	NGH	yellow	34.4	0	32.6	3.0	
1247	C-349	TNR	NGH	yellow	40.2	0	38.8	3.0	
1248	C-350	TNR	NGH	yellow	35.4	0	36.1	3.2	
1249	C-351	TNR	NGH	yellow	30.8	0	29.6	3.5	
1250	C-352	TNR	NGH	yellow	31.6	0	31.9	2.8	
1251	C-353	TNR	NGH	yellow	28.4	0	25.6	2.9	
1252	C-354	TNR	NGH	yellow	28.8	0	28.7	3.2	
1253	C-355	TNR	NGH	yellow	26.8	0	25.7	2.5	
1254	C-356	TNR	NGH	yellow	23.0	0	20.1	1.5	
1255	C-357	TNR	NGH	yellow	24.0	0	23.0	2.4	
1256	C-358	TNR	NGH	yellow	24.2	0	25.6	2.5	

1257	C-359	TNR	NGH	yellow	32.0	0	31.0	3.7	
1258	C-360	TNR	NGH	yellow	27.0	0	25.8	3.3	
1259	C-361	TNR	GYS	light_blue	35.3	0	33.5	4.4	
1260	C-362	TNR	GYS	light_blue	46.2	0	45.7	3.7	
1261	C-363	TNR	GYS	light_blue	37.4	0	36.3	3.8	
1262	C-364	TNR	GYS	light_blue	48.4	0	47.2	4.2	
1263	C-365	TNR	GYS	light_blue	48.2	0	48.0	3.8	
1264	C-366	TNR	GYS	light_blue	33.9	0	32.1	3.4	
1265	C-367	TNR	GYS	light_blue	28.2	0	26.1	3.1	
1266	C-368	TNR	GYS	light_blue	31.4	0	29.9	3.1	
1267	C-369	TNR	GYS	light_blue	33.3	0	32.0	3.7	
1268	C-370	TNR	GYS	light_blue	31.2	0	32.5	4.0	
1269	C-371	TNR	AKS	black	33.2	0	33.5	3.7	
1270	C-372	TNR	AKS	black	32.2	0	31.7	3.7	
1271	C-373	TNR	AKS	black	31.6	0	29.6	3.3	
1272	C-374	TNR	AKS	black	41.4	0	38.9	3.0	
1273	C-375	TNR	AKS	black	52.3	0	49.8	3.8	
1274	C-376	TNR	AKS	black	21.2	0	21.2	1.9	
1275	C-377	TNR	AKS	black	24.3	0	24.5	1.7	
1276	C-378	TNR	AKS	black	21.2	0	19.8	2.5	
1277	C-379	TNR	AKS	black	23.6	0	22.3	2.3	
1278	C-380	TNR	CKS	lime	19.2	0	19.9	2.6	
1279	C-381	TNR	CKS	lime	27.1	0	27.2	2.3	
1280	C-382	TNR	CKS	lime	31.4	0	31.8	2.7	
1281	C-383	TNR	CKS	lime	41.9	0	42.1	4.3	
1282	C-401	STR	APW	blue	32.0	0	28.9	2.9	
1283	C-402	STR	APW	blue	24.7	0	22.5	3.2	
1284	C-403	STR	APW	blue	27.5	0	26.7	3.9	
1285	C-404	STR	APW	blue	26.3	0	26.5	2.9	
1286	C-405	STR	APW	blue	25.6	0	24.5	3.2	
1287	C-406	STR	APW	blue	24.4	0	23.4	3.6	
1288	C-407	STR	APW	blue	23.2	0	23.4	2.9	
1289	C-408	STR	APW	blue	20.3	0	18.2	2.5	
1290	C-409	STR	APW	blue	19.2	0	18.5	2.4	
1291	C-410	STR	APW	blue	17.4	0	18.0	2.1	

1292	C-411	STR	APW	blue	19.7	0	18.5	1.8	
1293	C-412	STR	APW	blue	16.9	0	17.7	2.8	
1294	C-413	STR	APW	blue	17.7	0	16.6	2.3	
1295	C-414	STR	APW	blue	16.1	0	16.0	2.2	
1296	C-415	STR	APW	blue	14.2	0	12.6	1.3	
1297	C-416	STR	APW	blue	4.6	0	3.8	0.0	H <10cm
1298	C-417	STR	APW	blue	8.9	0	7.8	0.0	H <10cm
1299	C-418	STR	APW	blue	11.9	0	12.2	1.6	
1300	C-419	STR	APW	blue	10.6	0	9.0	0.0	H <10cm
1301	C-420	STR	APW	blue	11.8	0	12.0	1.3	
1302	C-421	STR	URU	white	43.4	0	41.0	4.3	
1303	C-422	STR	URU	white	38.6	0	37.6	3.4	
1304	C-423	STR	URU	white	38.1	0	37.4	4.1	
1305	C-424	STR	URU	white	35.2	0	34.8	3.7	
1306	C-425	STR	URU	white	38.4	0	38.1	3.1	
1307	C-426	STR	URU	white	33.9	0	33.5	4.1	
1308	C-427	STR	URU	white	37.6	0	36.9	3.9	
1309	C-428	STR	URU	white	37.1	0	36.6	3.5	
1310	C-429	STR	URU	white	34.2	0	31.6	3.3	
1311	C-430	STR	URU	white	27.5	0	27.9	2.9	
1312	C-431	STR	URU	white	32.2	0	31.8	3.4	
1313	C-432	STR	URU	white	28.7	0	28.0	2.1	
1314	C-433	STR	URU	white	35.7	0	35.0	3.6	
1315	C-434	STR	URU	white	28.9	0	27.4	2.8	
1316	C-435	STR	URU	white	31.6	0	32.0	3.4	
1317	C-436	STR	URU	white	21.6	0	21.3	2.4	
1318	C-437	STR	URU	white	25.7	0	22.8	2.4	
1319	C-438	STR	URU	white	21.4	0	22.3	2.1	
1320	C-439	STR	URU	white	24.4	0	23.7	2.7	
1321	C-440	STR	URU	white	21.9	0	22.6	2.7	
1322	C-441	STR	SHK	green	32.5	0	33.6	4.1	
1323	C-442	STR	SHK	green	29.7	0	28.9	4.0	
1324	C-443	STR	SHK	green	26.8	0	24.9	2.9	
1325	C-444	STR	SHK	green	26.5	0	26.6	2.9	
1326	C-445	STR	SHK	green	21.7	0	21.4	2.9	

1327	C-446	STR	SHK	green	26.1	0	36.4	3.3	
1328	C-447	STR	SHK	green	23.7	0	23.5	3.0	
1329	C-448	STR	SHK	green	21.9	0	21.3	2.8	
1330	C-449	STR	SHK	green	22.6	0	22.3	2.9	
1331	C-450	STR	SHK	green	24.5	0	23.8	2.5	
1332	C-451	STR	SHK	green	20.9	0	22.0	2.0	
1333	C-452	STR	SHK	green	17.4	0	16.7	1.5	
1334	C-453	STR	SHK	green	20.6	0	19.7	3.4	
1335	C-454	STR	SHK	green	15.4	0	16.0	2.3	
1336	C-455	STR	SHK	green	19.4	0	17.9	1.7	
1337	C-456	STR	SHK	green	14.9	0	14.6	2.3	
1338	C-457	STR	SHK	green	14.4	0	14.6	1.8	
1339	C-458	STR	SHK	green	13.9	0	13.4	1.6	
1340	C-459	STR	SHK	green	13.8	0	13.8	2.1	
1341	C-460	STR	SHK	green	13.8	0	15.1	1.8	
1342	C-461	STR	HKD	red	36.7	0	36.2	3.5	
1343	C-462	STR	HKD	red	36.5	0	33.8	3.5	
1344	C-463	STR	HKD	red	45.3	0	45.8	4.2	
1345	C-464	STR	HKD	red	46.3	0	45.3	4.2	
1346	C-465	STR	HKD	red	43.2	0	42.3	3.9	
1347	C-466	STR	HKD	red	40.4	0	39.0	3.5	
1348	C-467	STR	HKD	red	35.7	0	35.0	3.3	
1349	C-468	STR	HKD	red	36.2	0	35.2	3.9	
1350	C-469	STR	HKD	red	33.8	0	31.7	2.9	
1351	C-470	STR	HKD	red	28.4	0	26.9	2.6	
1352	C-471	STR	HKD	red	28.6	0	27.4	3.4	
1353	C-472	STR	HKD	red	24.9	0	24.8	2.9	
1354	C-473	STR	HKD	red	31.3	0	30.6	2.7	
1355	C-474	STR	HKD	red	27.2	0	27.1	2.7	
1356	C-475	STR	HKD	red	28.1	0	28.1	2.4	
1357	C-476	STR	HKD	red	28.9	0	29.4	3.1	
1358	C-477	STR	HKD	red	26.3	0	26.2	2.6	
1359	C-478	STR	HKD	red	19.9	0	20.2	2.6	
1360	C-479	STR	HKD	red	16.2	0	15.1	1.8	
1361	C-480	STR	HKD	red	15.6	0	15.6	2.6	

1362	C-481	STR	MKT	orange	49.3	0	49.7	4.0	
1363	C-482	STR	MKT	orange	41.8	0	41.3	3.6	
1364	C-483	STR	MKT	orange	35.6	0	36.6	3.3	
1365	C-484	STR	MKT	orange	40.3	0	40.7	3.1	
1366	C-485	STR	MKT	orange	37.4	0	37.6	2.8	
1367	C-486	STR	MKT	orange	31.1	0	30.2	2.7	
1368	C-487	STR	MKT	orange	35.6	0	33.5	2.6	
1369	C-488	STR	MKT	orange	33.7	0	33.2	3.1	
1370	C-489	STR	MKT	orange	32.1	0	32.5	2.7	
1371	C-490	STR	MKT	orange	34.4	0	36.0	4.0	
1372	C-491	STR	MKT	orange	30.1	0	28.3	2.9	
1373	C-492	STR	MKT	orange	30.3	0	27.9	2.6	
1374	C-493	STR	MKT	orange	34.3	0	33.1	3.0	
1375	C-494	STR	MKT	orange	28.9	0	26.5	2.7	
1376	C-495	STR	MKT	orange	25.2	0	22.1	2.3	
1377	C-496	STR	MKT	orange	20.4	0	21.2	2.6	
1378	C-497	STR	MKT	orange	29.6	0	29.1	2.0	
1379	C-498	STR	MKT	orange	28.1	0	15.3	1.9	
1380	C-499	STR	MKT	orange	16.5	0	16.5	1.6	
1381	C-500	STR	MKT	orange	27.8	0	26.7	1.8	
1382	C-501	STR	BDS	gray	33.7	0	34.0	3.0	
1383	C-502	STR	BDS	gray	38.7	0	40.3	3.5	
1384	C-503	STR	BDS	gray	38.8	0	37.1	3.1	
1385	C-504	STR	BDS	gray	44.9	0	43.2	3.7	
1386	C-505	STR	BDS	gray	53.2	0	52.6	3.6	
1387	C-506	STR	BDS	gray	30.1	0	32.0	3.4	
1388	C-507	STR	BDS	gray	28.2	0	29.6	3.0	
1389	C-508	STR	BDS	gray	26.9	0	28.5	2.3	
1390	C-509	STR	BDS	gray	36.1	0	36.5	3.1	
1391	C-510	STR	BDS	gray	38.2	0	38.3	3.4	
1392	C-511	STR	BDS	gray	22.9	0	21.7	2.3	
1393	C-512	STR	BDS	gray	21.1	0	21.5	2.3	
1394	C-513	STR	BDS	gray	21.4	0	19.9	2.4	
1395	C-514	STR	BDS	gray	28.2	0	26.5	2.5	
1396	C-515	STR	BDS	gray	32.4	0	33.1	2.7	

1397	C-516	STR	BDS	gray	17.3	0	18.2	1.3	
1398	C-517	STR	BDS	gray	14.1	0	14.0	1.8	
1399	C-518	STR	BDS	gray	17.9	0	17.5	1.8	
1400	C-519	STR	BDS	gray	16.1	0	15.5	1.3	
1401	C-520	STR	BDS	gray	21.6	0	22.5	2.4	
1402	C-521	STR	APS	pink	40.9	0	43.7	3.5	
1403	C-522	STR	APS	pink	41.2	0	39.3	3.9	
1404	C-523	STR	APS	pink	43.7	0	43.3	3.9	
1405	C-524	STR	APS	pink	46.3	0	46.1	4.2	
1406	C-525	STR	APS	pink	43.1	0	44.5	4.3	
1407	C-526	STR	APS	pink	42.6	0	40.9	4.0	
1408	C-527	STR	APS	pink	39.2	0	40.2	3.2	
1409	C-528	STR	APS	pink	35.1	0	35.3	3.6	
1410	C-529	STR	APS	pink	39.2	0	39.2	3.4	
1411	C-530	STR	APS	pink	40.1	0	33.4	3.4	
1412	C-531	STR	APS	pink	30.2	0	30.0	2.7	
1413	C-532	STR	APS	pink	35.2	0	36.6	2.9	
1414	C-533	STR	APS	pink	33.2	0	32.4	2.6	
1415	C-534	STR	APS	pink	35.1	0	35.0	2.8	
1416	C-535	STR	APS	pink	36.8	0	36.7	3.1	
1417	C-536	STR	APS	pink	20.6	0	20.8	1.3	
1418	C-537	STR	APS	pink	29.1	0	29.0	2.4	
1419	C-538	STR	APS	pink	18.8	0	19.1	2.1	
1420	C-539	STR	APS	pink	31.2	0	30.8	2.9	
1421	C-540	STR	APS	pink	28.3	0	26.6	2.5	
1422	C-541	STR	NGH	yellow	42.0	0	41.2	3.5	
1423	C-542	STR	NGH	yellow	42.6	0	40.8	3.2	
1424	C-543	STR	NGH	yellow	45.2	0	43.5	4.0	
1425	C-544	STR	NGH	yellow	41.6	0	42.2	3.6	
1426	C-545	STR	NGH	yellow	48.4	0	49.7	4.7	
1427	C-546	STR	NGH	yellow	30.0	0	28.3	3.0	
1428	C-547	STR	NGH	yellow	32.9	0	31.9	3.9	
1429	C-548	STR	NGH	yellow	36.6	0	38.1	2.8	
1430	C-549	STR	NGH	yellow	35.6	0	35.1	2.4	
1431	C-550	STR	NGH	yellow	33.2	0	32.7	3.2	

1432	C-551	STR	NGH	yellow	31.4	0	31.4	2.4	
1433	C-552	STR	NGH	yellow	34.2	0	33.2	2.9	
1434	C-553	STR	NGH	yellow	23.4	0	22.0	2.7	
1435	C-554	STR	NGH	yellow	29.1	0	28.6	2.4	
1436	C-555	STR	NGH	yellow	20.9	0	21.5	2.7	
1437	C-556	STR	NGH	yellow	25.2	0	33.4	2.8	
1438	C-557	STR	NGH	yellow	34.1	0	34.6	2.8	
1439	C-558	STR	NGH	yellow	23.2	0	25.0	2.7	
1440	C-559	STR	NGH	yellow	17.1	0	17.6	2.1	
1441	C-560	STR	NGH	yellow	14.2	0	13.9	3.0	
1442	C-561	STR	GYS	light_blue	41.3	0	42.3	3.8	
1443	C-562	STR	GYS	light_blue	33.6	0	32.1	3.9	
1444	C-563	STR	GYS	light_blue	51.1	0	50.1	3.6	
1445	C-564	STR	GYS	light_blue	47.6	0	47.6	4.1	
1446	C-565	STR	GYS	light_blue	47.3	0	44.5	4.2	
1447	C-566	STR	GYS	light_blue	24.4	0	21.4	2.6	
1448	C-567	STR	GYS	light_blue	26.2	0	26.1	2.6	
1449	C-568	STR	GYS	light_blue	30.8	0	31.9	3.7	
1450	C-569	STR	GYS	light_blue	34.6	0	36.7	3.6	
1451	C-570	STR	GYS	light_blue	32.6	0	33.4	1.3	
1452	C-571	STR	AKS	black	32.9	0	32.4	3.8	
1453	C-572	STR	AKS	black	28.6	0	27.5	3.6	
1454	C-573	STR	AKS	black	33.6	0	32.8	3.5	
1455	C-574	STR	AKS	black	41.9	0	41.7	3.9	
1456	C-575	STR	AKS	black	59.6	0	58.8	3.9	
1457	C-576	STR	AKS	black	20.6	0	21.9	1.5	
1458	C-577	STR	AKS	black	26.4	0	24.9	2.1	
1459	C-578	STR	AKS	black	21.2	0	21.6	2.3	
1460	C-579	STR	AKS	black	19.2	0	19.2	2.0	
1461	C-580	STR	CKS	lime	17.2	0	16.9	2.3	
1462	C-581	STR	CKS	lime	20.4	0	20.5	2.5	
1463	C-582	STR	CKS	lime	39.2	0	39.4	3.5	
1464	C-583	STR	CKS	lime	36.4	0	36.8	3.6	
1465	C-601	CBA	APW	blue	30.2	1	0.5	NA	
1466	C-602	CBA	APW	blue	30.2	0	29.2	3.6	

1467	C-603	CBA	APW	blue	28.4	1	4.1	NA	
1468	C-604	CBA	APW	blue	24.5	0	24.1	2.6	
1469	C-605	CBA	APW	blue	25.2	0	23.8	3.5	
1470	C-606	CBA	APW	blue	23.0	1	0.5	NA	
1471	C-607	CBA	APW	blue	21.0	0	20.2	2.4	
1472	C-608	CBA	APW	blue	19.8	0	18.4	2.5	
1473	C-609	CBA	APW	blue	19.6	0	18.6	2.7	
1474	C-610	CBA	APW	blue	21.0	0	21.4	2.6	
1475	C-611	CBA	APW	blue	28.2	1	0.7	NA	
1476	C-612	CBA	APW	blue	18.5	0	18.7	3.2	
1477	C-613	CBA	APW	blue	16.8	0	15.0	2.5	
1478	C-614	CBA	APW	blue	16.2	0	15.6	2.0	
1479	C-615	CBA	APW	blue	14.2	0	14.0	1.9	
1480	C-616	CBA	APW	blue	8.0	1	5.3	NA	broken
1481	C-617	CBA	APW	blue	9.0	0	8.8	NA	
1482	C-618	CBA	APW	blue	14.2	0	13.6	2.0	
1483	C-619	CBA	APW	blue	13.8	0	12.5	2.0	
1484	C-620	CBA	APW	blue	13.2	0	12.5	1.3	
1485	C-621	CBA	URU	white	46.2	0	46.6	4.5	
1486	C-622	CBA	URU	white	38.4	0	37.7	4.8	
1487	C-623	CBA	URU	white	42.5	0	42.8	4.7	
1488	C-624	CBA	URU	white	42.6	0	43.6	3.9	
1489	C-625	CBA	URU	white	35.5	0	36.0	3.9	
1490	C-626	CBA	URU	white	33.2	1	0.4	NA	
1491	C-627	CBA	URU	white	40.0	1	16.0	3.6	
1492	C-628	CBA	URU	white	36.4	0	36.3	3.9	
1493	C-629	CBA	URU	white	36.6	1	24.2	4.1	
1494	C-630	CBA	URU	white	33.5	1	13.4	3.9	
1495	C-631	CBA	URU	white	30.0	1	0.6	NA	
1496	C-632	CBA	URU	white	27.8	1	0.8	NA	
1497	C-633	CBA	URU	white	28.5	1	11.1	2.5	
1498	C-634	CBA	URU	white	34.6	1	18.9	3.7	
1499	C-635	CBA	URU	white	29.0	1	13.8	3.4	
1500	C-636	CBA	URU	white	26.0	1	0.6	NA	
1501	C-637	CBA	URU	white	25.0	1	0.3	NA	

1502	C-638	CBA	URU	white	26.2	1	5.0	NA	
1503	C-639	CBA	URU	white	28.4	1	4.0	NA	
1504	C-640	CBA	URU	white	18.5	1	3.1	NA	
1505	C-641	CBA	SHK	green	32.2	1	6.3	NA	
1506	C-642	CBA	SHK	green	27.8	1	12.3	4.3	
1507	C-643	CBA	SHK	green	29.5	0	29.8	2.9	
1508	C-644	CBA	SHK	green	34.0	0	33.5	3.7	
1509	C-645	CBA	SHK	green	26.0	0	25.8	3.7	
1510	C-646	CBA	SHK	green	28.5	1	8.3	3.4	
1511	C-647	CBA	SHK	green	29.5	0	28.1	2.4	
1512	C-648	CBA	SHK	green	22.0	0	21.4	2.9	
1513	C-649	CBA	SHK	green	20.4	0	19.7	2.2	
1514	C-650	CBA	SHK	green	24.0	0	23.7	2.3	
1515	C-651	CBA	SHK	green	19.8	0	18.8	2.5	
1516	C-652	CBA	SHK	green	16.5	0	16.8	1.8	
1517	C-653	CBA	SHK	green	23.2	0	23.4	2.7	
1518	C-654	CBA	SHK	green	20.8	0	21.0	2.5	
1519	C-655	CBA	SHK	green	24.5	0	24.0	2.5	
1520	C-656	CBA	SHK	green	16.8	0	15.8	2.0	
1521	C-657	CBA	SHK	green	15.0	0	13.8	1.6	
1522	C-658	CBA	SHK	green	12.8	0	13.0	2.4	
1523	C-659	CBA	SHK	green	12.6	0	12.7	1.6	
1524	C-660	CBA	SHK	green	10.4	0	10.2	NA	not measured
1525	C-661	CBA	HKD	red	37.0	0	36.5	4.2	
1526	C-662	CBA	HKD	red	43.5	1	15.7	4.2	
1527	C-663	CBA	HKD	red	44.2	1	23.8	4.4	
1528	C-664	CBA	HKD	red	40.8	1	3.5	NA	
1529	C-665	CBA	HKD	red	43.0	1	21.3	4.3	
1530	C-666	CBA	HKD	red	26.5	1	5.1	NA	
1531	C-667	CBA	HKD	red	33.8	1	5.1	NA	
1532	C-668	CBA	HKD	red	34.2	1	6.5	NA	
1533	C-669	CBA	HKD	red	34.2	1	1.2	NA	
1534	C-670	CBA	HKD	red	37.6	1	0.4	NA	
1535	C-671	CBA	HKD	red	29.5	1	5.2	NA	
1536	C-672	CBA	HKD	red	29.2	1	7.5	NA	

1537	C-673	CBA	HKD	red	29.2	1	4.5	NA	
1538	C-674	CBA	HKD	red	30.0	1	4.6	NA	
1539	C-675	CBA	HKD	red	18.5	1	0.5	NA	
1540	C-676	CBA	HKD	red	19.6	1	5.2	NA	
1541	C-677	CBA	HKD	red	19.5	1	5.6	NA	
1542	C-678	CBA	HKD	red	24.8	1	4.5	NA	
1543	C-679	CBA	HKD	red	25.0	1	4.8	NA	
1544	C-680	CBA	HKD	red	21.4	1	0.6	NA	
1545	C-681	CBA	MKT	orange	41.5	1	14.3	3.1	
1546	C-682	CBA	MKT	orange	43.4	1	7.9	NA	
1547	C-683	CBA	MKT	orange	40.2	1	7.3	NA	
1548	C-684	CBA	MKT	orange	39.0	1	7.3	NA	
1549	C-685	CBA	MKT	orange	39.5	1	8.0	NA	
1550	C-686	CBA	MKT	orange	34.0	1	15.7	3.2	
1551	C-687	CBA	MKT	orange	31.0	1	4.9	NA	
1552	C-688	CBA	MKT	orange	30.5	1	7.7	NA	
1553	C-689	CBA	MKT	orange	37.5	1	9.5	NA	
1554	C-690	CBA	MKT	orange	34.0	1	10.8	3.9	
1555	C-691	CBA	MKT	orange	30.2	1	17.9	2.8	
1556	C-692	CBA	MKT	orange	32.6	1	6.0	NA	
1557	C-693	CBA	MKT	orange	34.5	1	8.3	NA	
1558	C-694	CBA	MKT	orange	35.2	1	13.2	3.0	
1559	C-695	CBA	MKT	orange	36.0	1	14.6	3.4	
1560	C-696	CBA	MKT	orange	22.6	0	22.5	2.2	
1561	C-697	CBA	MKT	orange	22.5	1	10.2	2.3	
1562	C-698	CBA	MKT	orange	24.8	1	11.2	2.1	
1563	C-699	CBA	MKT	orange	25.0	1	11.1	2.4	
1564	C-700	CBA	MKT	orange	36.2	1	14.1	3.5	
1565	C-701	CBA	BDS	gray	37.0	1	17.1	3.1	
1566	C-702	CBA	BDS	gray	37.1	1	11.0	3.6	
1567	C-703	CBA	BDS	gray	37.0	1	12.0	3.5	
1568	C-704	CBA	BDS	gray	40.2	1	16.5	3.2	
1569	C-705	CBA	BDS	gray	53.4	0	54.0	4.0	
1570	C-706	CBA	BDS	gray	33.0	1	18.8	3.0	
1571	C-707	CBA	BDS	gray	35.2	1	17.4	3.3	

1572	C-708	CBA	BDS	gray	29.2	0	29.9	3.1	
1573	C-709	CBA	BDS	gray	36.0	1	21.2	2.9	
1574	C-710	CBA	BDS	gray	36.0	0	36.3	3.1	
1575	C-711	CBA	BDS	gray	31.7	0	30.7	3.0	
1576	C-712	CBA	BDS	gray	25.4	0	24.6	2.7	
1577	C-713	CBA	BDS	gray	25.0	0	25.7	2.0	
1578	C-714	CBA	BDS	gray	27.2	0	26.9	2.1	
1579	C-715	CBA	BDS	gray	19.2	0	20.0	3.2	
1580	C-716	CBA	BDS	gray	23.8	0	22.7	2.4	
1581	C-717	CBA	BDS	gray	22.4	0	24.9	2.1	
1582	C-718	CBA	BDS	gray	20.2	0	19.9	2.1	
1583	C-719	CBA	BDS	gray	17.0	0	16.6	1.4	
1584	C-720	CBA	BDS	gray	17.4	0	12.6	1.1	deep planting?
1585	C-721	CBA	APS	pink	42.5	0	41.7	3.6	
1586	C-722	CBA	APS	pink	44.5	0	44.4	4.2	
1587	C-723	CBA	APS	pink	42.0	1	24.5	3.8	
1588	C-724	CBA	APS	pink	47.0	0	45.8	4.0	
1589	C-725	CBA	APS	pink	46.5	1	9.6	NA	H <10cm
1590	C-726	CBA	APS	pink	38.5	1	20.1	2.8	
1591	C-727	CBA	APS	pink	41.0	1	20.9	3.6	
1592	C-728	CBA	APS	pink	42.8	1	33.0	3.0	
1593	C-729	CBA	APS	pink	38.0	1	9.0	NA	H <10cm
1594	C-730	CBA	APS	pink	34.2	1	6.2	NA	H <10cm
1595	C-731	CBA	APS	pink	30.0	1	25.4	2.7	trunk broken
1596	C-732	CBA	APS	pink	33.0	0	33.3	2.8	
1597	C-733	CBA	APS	pink	30.5	1	23.4	2.7	
1598	C-734	CBA	APS	pink	31.5	1	28.3	2.9	
1599	C-735	CBA	APS	pink	34.5	1	6.3	NA	H <10cm
1600	C-736	CBA	APS	pink	18.2	0	17.7	1.2	
1601	C-737	CBA	APS	pink	18.5	0	18.5	1.6	
1602	C-738	CBA	APS	pink	25.0	0	24.9	1.9	
1603	C-739	CBA	APS	pink	33.5	1	18.1	3.0	
1604	C-740	CBA	APS	pink	29.0	1	17.0	3.0	
1605	C-741	CBA	NGH	yellow	48.2	1	18.1	4.2	
1606	C-742	CBA	NGH	yellow	41.2	1	19.2	3.7	

1607	C-743	CBA	NGH	yellow	40.2	1	13.6	4.0	
1608	C-744	CBA	NGH	yellow	39.8	1	11.6	3.6	
1609	C-745	CBA	NGH	yellow	33.5	1	9.8	NA	
1610	C-746	CBA	NGH	yellow	40.5	1	13.3	3.9	
1611	C-747	CBA	NGH	yellow	33.5	1	14.1	2.9	
1612	C-748	CBA	NGH	yellow	36.8	1	13.8	3.6	
1613	C-749	CBA	NGH	yellow	36.5	1	9.9	NA	
1614	C-750	CBA	NGH	yellow	40.6	1	7.4	NA	
1615	C-751	CBA	NGH	yellow	35.4	1	15.8	4.4	
1616	C-752	CBA	NGH	yellow	30.0	1	13.7	2.5	
1617	C-753	CBA	NGH	yellow	34.5	1	10.0	NA	
1618	C-754	CBA	NGH	yellow	27.0	1	9.5	NA	
1619	C-755	CBA	NGH	yellow	23.5	1	6.5	NA	
1620	C-756	CBA	NGH	yellow	25.0	1	13.3	3.0	
1621	C-757	CBA	NGH	yellow	22.6	1	13.8	2.6	
1622	C-758	CBA	NGH	yellow	19.2	1	10.3	2.1	
1623	C-759	CBA	NGH	yellow	14.0	1	5.6	NA	
1624	C-760	CBA	NGH	yellow	22.0	1	5.6	NA	
1625	C-761	CBA	GYS	light_blue	40.5	0	41.4	3.3	
1626	C-762	CBA	GYS	light_blue	39.6	0	40.0	4.1	
1627	C-763	CBA	GYS	light_blue	49.2	1	4.0	NA	
1628	C-764	CBA	GYS	light_blue	46.4	0	47.5	4.0	
1629	C-765	CBA	GYS	light_blue	60.0	0	59.7	4.6	
1630	C-766	CBA	GYS	light_blue	26.2	0	25.8	1.9	
1631	C-767	CBA	GYS	light_blue	31.5	0	23.1	3.0	
1632	C-768	CBA	GYS	light_blue	33.4	0	31.3	3.2	
1633	C-769	CBA	GYS	light_blue	37.8	0	37.7	3.3	
1634	C-770	CBA	GYS	light_blue	37.0	0	37.8	4.2	
1635	C-771	CBA	AKS	black	25.0	0	26.0	3.4	
1636	C-772	CBA	AKS	black	40.5	0	41.0	3.7	
1637	C-773	CBA	AKS	black	36.2	0	36.5	3.5	
1638	C-774	CBA	AKS	black	38.2	1	28.7	4.5	
1639	C-775	CBA	AKS	black	51.2	0	51.6	4.1	
1640	C-776	CBA	AKS	black	11.8	0	11.5	1.5	sprouting
1641	C-777	CBA	AKS	black	26.5	0	27.1	2.3	

1642	C-778	CBA	AKS	black	17.5	0	16.3	2.3	
1643	C-779	CBA	AKS	black	19.5	0	19.1	2.8	
1644	C-780	CBA	CKS	lime	14.0	0	13.5	2.3	
1645	C-781	CBA	CKS	lime	22.0	1	17.2	2.6	
1646	C-782	CBA	CKS	lime	32.5	1	26.4	3.9	
1647	C-783	CBA	CKS	lime	32.0	1	2.7	NA	
1648	C-801	HRZ	APW	blue	30.0	0	29.2	3.4	
1649	C-802	HRZ	APW	blue	28.8	0	27.6	3.3	
1650	C-803	HRZ	APW	blue	26.8	0	24.4	2.6	
1651	C-804	HRZ	APW	blue	23.5	0	23.5	3.0	
1652	C-805	HRZ	APW	blue	24.5	0	24.0	3.3	
1653	C-806	HRZ	APW	blue	23.8	0	20.1	2.6	
1654	C-807	HRZ	APW	blue	22.0	0	21.5	2.8	
1655	C-808	HRZ	APW	blue	21.5	0	21.7	2.5	
1656	C-809	HRZ	APW	blue	19.4	0	18.0	1.6	
1657	C-810	HRZ	APW	blue	17.5	0	16.0	2.5	
1658	C-811	HRZ	APW	blue	17.4	0	17.3	2.0	
1659	C-812	HRZ	APW	blue	15.2	0	15.2	1.9	
1660	C-813	HRZ	APW	blue	16.4	0	16.5	2.0	
1661	C-814	HRZ	APW	blue	13.4	0	13.0	1.6	
1662	C-815	HRZ	APW	blue	10.8	0	10.1	2.0	
1663	C-816	HRZ	APW	blue	9.8	0	9.9	2.0	
1664	C-817	HRZ	APW	blue	8.6	0	7.5	1.4	
1665	C-818	HRZ	APW	blue	13.2	0	12.9	1.0	
1666	C-819	HRZ	APW	blue	10.4	0	9.2	2.2	
1667	C-820	HRZ	APW	blue	13.8	0	13.2	1.2	
1668	C-821	HRZ	URU	white	46.4	0	45.7	4.1	
1669	C-822	HRZ	URU	white	40.2	0	38.6	3.3	
1670	C-823	HRZ	URU	white	37.2	0	38.4	4.7	
1671	C-824	HRZ	URU	white	35.0	0	35.2	4.0	
1672	C-825	HRZ	URU	white	40.5	0	41.0	4.5	
1673	C-826	HRZ	URU	white	36.4	0	37.0	3.5	
1674	C-827	HRZ	URU	white	35.0	0	33.7	3.0	
1675	C-828	HRZ	URU	white	34.0	0	32.4	3.6	
1676	C-829	HRZ	URU	white	31.6	0	32.0	3.3	

1677	C-830	HRZ	URU	white	34.0	0	33.8	3.5	
1678	C-831	HRZ	URU	white	34.5	0	36.0	4.0	
1679	C-832	HRZ	URU	white	30.7	0	29.7	2.9	
1680	C-833	HRZ	URU	white	29.7	0	29.4	2.9	
1681	C-834	HRZ	URU	white	30.2	0	29.4	2.5	
1682	C-835	HRZ	URU	white	24.6	0	23.3	2.4	
1683	C-836	HRZ	URU	white	25.5	0	25.9	2.7	
1684	C-837	HRZ	URU	white	26.0	0	26.7	2.1	
1685	C-838	HRZ	URU	white	28.2	0	28.3	2.6	
1686	C-839	HRZ	URU	white	25.8	0	25.8	2.9	
1687	C-840	HRZ	URU	white	19.5	0	18.0	1.7	
1688	C-841	HRZ	SHK	green	34.8	0	35.2	2.9	
1689	C-842	HRZ	SHK	green	27.2	0	27.6	3.3	
1690	C-843	HRZ	SHK	green	30.0	0	29.0	3.1	
1691	C-844	HRZ	SHK	green	26.5	0	23.5	3.5	
1692	C-845	HRZ	SHK	green	24.0	0	23.7	2.9	
1693	C-846	HRZ	SHK	green	23.0	0	22.8	2.8	
1694	C-847	HRZ	SHK	green	26.5	0	22.5	2.4	
1695	C-848	HRZ	SHK	green	24.0	0	22.9	2.1	
1696	C-849	HRZ	SHK	green	21.2	0	21.7	2.6	
1697	C-850	HRZ	SHK	green	21.4	0	21.5	2.3	
1698	C-851	HRZ	SHK	green	19.0	0	16.4	2.9	
1699	C-852	HRZ	SHK	green	17.0	0	16.7	1.8	
1700	C-853	HRZ	SHK	green	19.5	0	19.8	2.4	
1701	C-854	HRZ	SHK	green	18.5	0	18.0	2.2	
1702	C-855	HRZ	SHK	green	20.0	0	17.6	1.7	
1703	C-856	HRZ	SHK	green	16.8	0	16.7	2.1	
1704	C-857	HRZ	SHK	green	15.8	0	15.9	1.5	
1705	C-858	HRZ	SHK	green	15.0	0	14.8	1.7	
1706	C-859	HRZ	SHK	green	16.0	0	14.6	1.8	
1707	C-860	HRZ	SHK	green	18.0	0	16.6	1.6	
1708	C-861	HRZ	HKD	red	47.2	0	46.8	4.0	
1709	C-862	HRZ	HKD	red	43.4	0	43.2	4.3	
1710	C-863	HRZ	HKD	red	40.0	0	38.7	3.2	
1711	C-864	HRZ	HKD	red	44.3	0	45.0	4.5	

1712	C-865	HRZ	HKD	red	39.5	0	37.6	3.1	
1713	C-866	HRZ	HKD	red	35.8	0	35.7	3.7	
1714	C-867	HRZ	HKD	red	36.5	0	36.3	3.8	
1715	C-868	HRZ	HKD	red	32.0	0	32.2	3.3	
1716	C-869	HRZ	HKD	red	29.0	0	29.9	3.6	
1717	C-870	HRZ	HKD	red	32.5	0	33.6	3.5	
1718	C-871	HRZ	HKD	red	32.0	0	31.6	3.7	
1719	C-872	HRZ	HKD	red	31.2	0	30.5	3.3	
1720	C-873	HRZ	HKD	red	31.5	0	31.0	2.9	
1721	C-874	HRZ	HKD	red	31.0	0	29.7	2.5	
1722	C-875	HRZ	HKD	red	28.0	0	27.2	2.2	
1723	C-876	HRZ	HKD	red	28.4	0	28.8	1.7	
1724	C-877	HRZ	HKD	red	24.4	0	23.4	3.7	
1725	C-878	HRZ	HKD	red	27.0	0	27.6	2.2	
1726	C-879	HRZ	HKD	red	16.4	0	15.8	2.5	
1727	C-880	HRZ	HKD	red	18.5	0	16.7	1.7	
1728	C-881	HRZ	MKT	orange	43.0	0	43.2	3.5	
1729	C-882	HRZ	MKT	orange	43.2	0	42.0	3.8	
1730	C-883	HRZ	MKT	orange	40.8	0	40.3	3.4	
1731	C-884	HRZ	MKT	orange	38.4	0	35.6	3.2	
1732	C-885	HRZ	MKT	orange	33.8	0	32.4	3.5	
1733	C-886	HRZ	MKT	orange	42.4	0	40.7	3.6	
1734	C-887	HRZ	MKT	orange	34.5	0	34.2	3.2	
1735	C-888	HRZ	MKT	orange	32.6	0	32.0	2.9	
1736	C-889	HRZ	MKT	orange	35.0	0	33.8	3.3	
1737	C-890	HRZ	MKT	orange	33.4	0	34.5	3.0	
1738	C-891	HRZ	MKT	orange	31.0	0	30.5	2.9	
1739	C-892	HRZ	MKT	orange	31.5	0	32.0	3.0	
1740	C-893	HRZ	MKT	orange	25.0	0	25.3	3.1	
1741	C-894	HRZ	MKT	orange	27.0	0	27.0	2.5	
1742	C-895	HRZ	MKT	orange	24.5	0	24.5	2.5	
1743	C-896	HRZ	MKT	orange	27.5	0	26.8	2.6	
1744	C-897	HRZ	MKT	orange	25.2	0	25.3	2.3	
1745	C-898	HRZ	MKT	orange	28.6	0	28.9	2.2	
1746	C-899	HRZ	MKT	orange	22.0	0	20.0	1.8	

1747	C-900	HRZ	MKT	orange	18.0	0	17.0	1.7	
1748	C-901	HRZ	BDS	gray	33.5	0	34.0	2.9	
1749	C-902	HRZ	BDS	gray	34.5	0	34.4	2.8	
1750	C-903	HRZ	BDS	gray	41.4	0	33.6	3.5	
1751	C-904	HRZ	BDS	gray	39.0	0	40.6	3.6	
1752	C-905	HRZ	BDS	gray	45.0	0	46.4	3.6	
1753	C-906	HRZ	BDS	gray	29.2	0	29.5	3.0	
1754	C-907	HRZ	BDS	gray	30.5	0	29.9	3.2	
1755	C-908	HRZ	BDS	gray	34.6	0	34.8	4.0	
1756	C-909	HRZ	BDS	gray	31.5	0	32.6	3.5	
1757	C-910	HRZ	BDS	gray	28.0	0	26.3	2.3	
1758	C-911	HRZ	BDS	gray	32.5	0	31.9	2.9	
1759	C-912	HRZ	BDS	gray	29.0	0	30.2	2.7	
1760	C-913	HRZ	BDS	gray	20.5	0	20.5	2.5	
1761	C-914	HRZ	BDS	gray	22.0	0	20.2	2.1	
1762	C-915	HRZ	BDS	gray	22.0	0	21.9	2.0	
1763	C-916	HRZ	BDS	gray	20.2	0	19.4	2.0	
1764	C-917	HRZ	BDS	gray	15.5	0	15.6	2.1	
1765	C-918	HRZ	BDS	gray	14.5	0	14.9	1.7	
1766	C-919	HRZ	BDS	gray	22.5	0	19.8	1.9	
1767	C-920	HRZ	BDS	gray	22.8	0	20.0	1.5	
1768	C-921	HRZ	APS	pink	40.5	0	40.1	3.1	
1769	C-922	HRZ	APS	pink	41.5	0	44.4	4.1	
1770	C-923	HRZ	APS	pink	43.5	0	43.9	3.9	
1771	C-924	HRZ	APS	pink	47.5	0	48.5	4.3	
1772	C-925	HRZ	APS	pink	45.0	0	45.7	4.4	
1773	C-926	HRZ	APS	pink	36.0	0	36.0	3.3	
1774	C-927	HRZ	APS	pink	40.2	0	40.2	3.8	
1775	C-928	HRZ	APS	pink	48.2	0	40.5	3.3	
1776	C-929	HRZ	APS	pink	40.5	0	39.2	2.8	
1777	C-930	HRZ	APS	pink	35.5	0	36.0	3.7	
1778	C-931	HRZ	APS	pink	29.0	0	29.0	3.4	
1779	C-932	HRZ	APS	pink	28.5	0	28.9	2.9	
1780	C-933	HRZ	APS	pink	29.5	0	31.0	3.0	
1781	C-934	HRZ	APS	pink	34.5	0	34.6	3.2	

1782	C-935	HRZ	APS	pink	33.0	0	32.6	3.3	
1783	C-936	HRZ	APS	pink	32.5	0	31.8	2.9	
1784	C-937	HRZ	APS	pink	26.5	0	26.4	2.5	
1785	C-938	HRZ	APS	pink	17.0	0	17.0	2.1	
1786	C-939	HRZ	APS	pink	16.5	0	14.7	1.1	
1787	C-940	HRZ	APS	pink	15.0	0	12.4	0.8	
1788	C-941	HRZ	NGH	yellow	38.5	0	35.2	4.0	
1789	C-942	HRZ	NGH	yellow	42.5	0	44.0	4.1	
1790	C-943	HRZ	NGH	yellow	40.8	0	42.4	3.7	
1791	C-944	HRZ	NGH	yellow	40.2	0	38.9	3.9	
1792	C-945	HRZ	NGH	yellow	37.5	0	37.4	3.6	
1793	C-946	HRZ	NGH	yellow	39.0	0	38.9	3.8	
1794	C-947	HRZ	NGH	yellow	40.5	0	40.5	3.0	
1795	C-948	HRZ	NGH	yellow	34.0	0	35.0	2.7	
1796	C-949	HRZ	NGH	yellow	31.2	0	29.3	2.9	
1797	C-950	HRZ	NGH	yellow	36.5	0	35.3	3.3	
1798	C-951	HRZ	NGH	yellow	37.0	0	36.9	2.9	
1799	C-952	HRZ	NGH	yellow	28.0	0	25.1	2.7	
1800	C-953	HRZ	NGH	yellow	27.0	0	28.0	3.2	
1801	C-954	HRZ	NGH	yellow	31.5	0	31.5	3.6	
1802	C-955	HRZ	NGH	yellow	24.0	0	24.0	2.6	
1803	C-956	HRZ	NGH	yellow	24.0	0	24.0	2.5	
1804	C-957	HRZ	NGH	yellow	27.2	0	26.2	2.7	
1805	C-958	HRZ	NGH	yellow	28.7	0	26.9	1.9	
1806	C-959	HRZ	NGH	yellow	21.5	0	21.5	2.4	
1807	C-960	HRZ	NGH	yellow	14.0	0	14.2	1.2	
1808	C-961	HRZ	GYS	light_blue	43.4	0	43.0	3.4	
1809	C-962	HRZ	GYS	light_blue	42.8	0	43.1	4.2	
1810	C-963	HRZ	GYS	light_blue	46.4	0	46.3	3.8	
1811	C-964	HRZ	GYS	light_blue	40.6	0	41.1	3.4	
1812	C-965	HRZ	GYS	light_blue	48.4	0	48.3	4.2	
1813	C-966	HRZ	GYS	light_blue	30.2	0	26.6	3.0	
1814	C-967	HRZ	GYS	light_blue	28.6	0	28.5	3.2	
1815	C-968	HRZ	GYS	light_blue	37.2	0	36.6	3.7	
1816	C-969	HRZ	GYS	light_blue	31.8	0	30.5	2.5	

1817	C-970	HRZ	GYS	light_blue	42.6	0	42.4	3.8	
1818	C-971	HRZ	AKS	black	36.6	0	26.4	3.6	
1819	C-972	HRZ	AKS	black	43.0	0	42.2	3.5	
1820	C-973	HRZ	AKS	black	37.8	0	36.7	3.4	
1821	C-974	HRZ	AKS	black	44.8	0	44.7	3.6	
1822	C-975	HRZ	AKS	black	48.4	0	46.7	3.7	
1823	C-976	HRZ	AKS	black	25.2	0	24.3	3.1	
1824	C-977	HRZ	AKS	black	7.0	0	7.0	0.7	
1825	C-978	HRZ	AKS	black	24.8	0	24.6	1.8	
1826	C-979	HRZ	AKS	black	21.2	0	21.3	2.1	
1827	C-980	HRZ	CKS	lime	33.6	0	33.0	3.4	
1828	C-981	HRZ	CKS	lime	32.0	0	31.2	3.5	
1829	C-982	HRZ	CKS	lime	25.0	0	24.5	3.0	
1830	C-983	HRZ	CKS	lime	18.0	0	19.0	2.1	
1831	A-501	TAN	APW	blue	30.1	1	5.2	NA	H <10cm
1832	A-502	TAN	APW	blue	27.9	1	6.0	NA	H <10cm
1833	A-503	TAN	APW	blue	26.2	1	7.6	NA	H <10cm
1834	A-504	TAN	APW	blue	24.1	1	6.0	NA	H <10cm
1835	A-505	TAN	APW	blue	23.2	1	5.4	NA	H <10cm
1836	A-506	TAN	APW	blue	20.0	1	13.0	3.0	
1837	A-507	TAN	APW	blue	23.9	1	11.0	2.6	
1838	A-508	TAN	APW	blue	23.2	1	NA	NA	
1839	A-509	TAN	APW	blue	21.1	1	9.5	NA	H < 10cm
1840	A-510	TAN	APW	blue	16.9	1	5.9	NA	H <10cm
1841	A-511	TAN	APW	blue	17.1	0	15.5	2.4	
1842	A-512	TAN	APW	blue	19.2	0	19.0	2.9	
1843	A-513	TAN	APW	blue	15.2	1	10.9	2.8	
1844	A-514	TAN	APW	blue	15.0	0	NA	NA	
1845	A-515	TAN	APW	blue	12.4	1	9.0	NA	H <10cm
1846	A-516	TAN	APW	blue	15.0	0	15.0	2.4	
1847	A-517	TAN	APW	blue	13.6	0	13.0	1.9	
1848	A-518	TAN	APW	blue	10.2	0	9.9	NA	H <10cm
1849	A-519	TAN	APW	blue	12.0	0	NA	NA	
1850	A-520	TAN	APW	blue	8.0	0	6.0	NA	H <10cm
1851	A-521	TAN	URU	white	44.2	1	16.5	4.4	

1852	A-522	TAN	URU	white	50.2	1	17.7	4.4	
1853	A-523	TAN	URU	white	41.0	1	12.2	4.2	
1854	A-524	TAN	URU	white	38.6	1	11.1	2.8	
1855	A-525	TAN	URU	white	35.4	1	10.1	3.2	
1856	A-526	TAN	URU	white	35.8	0	36.1	3.4	
1857	A-527	TAN	URU	white	36.2	0	36.2	3.6	
1858	A-528	TAN	URU	white	30.8	1	16.5	4.2	
1859	A-529	TAN	URU	white	33.6	1	16.2	3.2	
1860	A-530	TAN	URU	white	30.6	1	12.7	3.8	
1861	A-531	TAN	URU	white	28.8	0	25.5	2.6	
1862	A-532	TAN	URU	white	31.4	0	32.6	2.7	
1863	A-533	TAN	URU	white	31.2	1	18.5	3.3	
1864	A-534	TAN	URU	white	29.2	0	28.8	3.6	
1865	A-535	TAN	URU	white	24.4	0	23.5	3.0	
1866	A-536	TAN	URU	white	26.0	1	NA	NA	
1867	A-537	TAN	URU	white	26.0	1	1.0	NA	H <10cm
1868	A-538	TAN	URU	white	31.4	0	29.5	2.7	
1869	A-539	TAN	URU	white	25.0	0	24.6	2.5	
1870	A-540	TAN	URU	white	19.6	1	1.0	NA	H <10cm
1871	A-541	TAN	SHK	green	31.6	1	NA	NA	
1872	A-542	TAN	SHK	green	34.4	1	NA	NA	
1873	A-543	TAN	SHK	green	29.2	1	NA	NA	
1874	A-544	TAN	SHK	green	23.0	1	NA	NA	
1875	A-545	TAN	SHK	green	26.2	0	23.6	1.8	
1876	A-546	TAN	SHK	green	25.4	1	NA	NA	
1877	A-547	TAN	SHK	green	28.2	1	NA	NA	dead
1878	A-548	TAN	SHK	green	24.4	1	NA	NA	
1879	A-549	TAN	SHK	green	23.4	1	NA	NA	
1880	A-550	TAN	SHK	green	26.0	0	27.6	2.7	H < 10cm
1881	A-551	TAN	SHK	green	19.8	1	NA	NA	
1882	A-552	TAN	SHK	green	19.4	1	NA	NA	dead
1883	A-553	TAN	SHK	green	19.2	1	NA	NA	
1884	A-554	TAN	SHK	green	19.2	0	13.9	3.1	
1885	A-555	TAN	SHK	green	15.8	0	14.2	3.2	
1886	A-556	TAN	SHK	green	19.2	1	NA	NA	

1887	A-557	TAN	SHK	green	15.4	1	NA	NA	
1888	A-558	TAN	SHK	green	16.6	0	NA	NA	
1889	A-559	TAN	SHK	green	15.2	0	15.0	1.4	
1890	A-560	TAN	SHK	green	12.6	0	NA	NA	
1891	A-561	TAN	HKD	red	47.2	1	NA	NA	
1892	A-562	TAN	HKD	red	43.0	0	41.0	3.9	
1893	A-563	TAN	HKD	red	40.0	0	39.6	3.5	
1894	A-564	TAN	HKD	red	44.8	0	45.0	3.7	
1895	A-565	TAN	HKD	red	37.6	0	35.0	2.9	
1896	A-566	TAN	HKD	red	38.4	1	1.0	NA	H <10cm
1897	A-567	TAN	HKD	red	36.8	1	NA	NA	
1898	A-568	TAN	HKD	red	35.8	0	34.1	3.6	
1899	A-569	TAN	HKD	red	35.5	0	34.0	2.8	
1900	A-570	TAN	HKD	red	28.8	0	25.2	2.6	
1901	A-571	TAN	HKD	red	37.8	1	NA	NA	
1902	A-572	TAN	HKD	red	28.4	0	27.6	2.5	
1903	A-573	TAN	HKD	red	32.4	0	31.3	3.2	
1904	A-574	TAN	HKD	red	31.6	1	NA	NA	
1905	A-575	TAN	HKD	red	27.4	0	25.7	2.5	
1906	A-576	TAN	HKD	red	28.4	1	6.3	NA	H <10cm
1907	A-577	TAN	HKD	red	31.2	1	16.2	3.7	
1908	A-578	TAN	HKD	red	25.4	0	24.3	2.9	
1909	A-579	TAN	HKD	red	19.0	0	19.0	2.8	
1910	A-580	TAN	HKD	red	16.8	0	13.8	2.3	
1911	A-581	TAN	MKT	orange	50.0	0	48.5	4.0	
1912	A-582	TAN	MKT	orange	41.8	0	40.2	3.5	
1913	A-583	TAN	MKT	orange	39.6	1	5.5	NA	H <10cm
1914	A-584	TAN	MKT	orange	39.4	1	6.0	NA	H <10cm
1915	A-585	TAN	MKT	orange	40.8	1	3.0	NA	H <10cm
1916	A-586	TAN	MKT	orange	36.8	0	35.6	3.0	
1917	A-587	TAN	MKT	orange	35.8	0	34.0	3.0	
1918	A-588	TAN	MKT	orange	40.0	0	39.7	3.4	
1919	A-589	TAN	MKT	orange	37.6	1	6.1	NA	H <10cm
1920	A-590	TAN	MKT	orange	32.6	1	NA	NA	
1921	A-591	TAN	MKT	orange	32.2	0	32.7	3.0	

1922	A-592	TAN	MKT	orange	29.0	0	27.3	2.4	
1923	A-593	TAN	MKT	orange	30.8	0	31.0	2.5	
1924	A-594	TAN	MKT	orange	29.6	1	7.0	NA	H <10cm
1925	A-595	TAN	MKT	orange	26.8	1	NA	NA	
1926	A-596	TAN	MKT	orange	28.6	0	25.6	2.4	
1927	A-597	TAN	MKT	orange	28.6	0	27.3	2.6	
1928	A-598	TAN	MKT	orange	24.4	0	24.0	2.8	
1929	A-599	TAN	MKT	orange	26.2	0	22.2	2.1	
1930	A-600	TAN	MKT	orange	17.4	0	17.0	2.0	
1931	A-601	TAN	BDS	gray	53.6	0	52.7	4.1	
1932	A-602	TAN	BDS	gray	50.8	0	49.9	3.8	
1933	A-603	TAN	BDS	gray	39.4	0	38.5	3.5	
1934	A-604	TAN	BDS	gray	42.8	0	42.3	3.3	
1935	A-605	TAN	BDS	gray	35.9	0	35.1	3.2	
1936	A-606	TAN	BDS	gray	32.2	1	20.1	3.5	
1937	A-607	TAN	BDS	gray	29.6	0	27.9	2.7	
1938	A-608	TAN	BDS	gray	31.6	0	34.1	2.9	
1939	A-609	TAN	BDS	gray	33.8	0	35.7	3.0	
1940	A-610	TAN	BDS	gray	32.8	0	32.7	2.3	
1941	A-611	TAN	BDS	gray	26.8	1	12.2	2.1	
1942	A-612	TAN	BDS	gray	17.4	1	16.9	3.3	
1943	A-613	TAN	BDS	gray	21.6	0	23.9	2.6	
1944	A-614	TAN	BDS	gray	29.2	0	25.6	2.4	
1945	A-615	TAN	BDS	gray	24.2	0	24.6	1.9	
1946	A-616	TAN	BDS	gray	19.0	1	7.2	NA	
1947	A-617	TAN	BDS	gray	21.4	1	9.7	NA	
1948	A-618	TAN	BDS	gray	15.4	0	7.9	NA	
1949	A-619	TAN	BDS	gray	21.4	0	20.2	0.9	
1950	A-620	TAN	BDS	gray	14.0	0	7.0	NA	
1951	A-621	TAN	APS	pink	39.8	1	7.2	NA	
1952	A-622	TAN	APS	pink	42.0	1	8.0	NA	
1953	A-623	TAN	APS	pink	46.6	1	7.0	NA	
1954	A-624	TAN	APS	pink	45.0	1	NA	NA	
1955	A-625	TAN	APS	pink	47.2	1	4.0	NA	
1956	A-626	TAN	APS	pink	41.4	1	6.0	NA	

1957	A-627	TAN	APS	pink	45.0	1	NA	NA	
1958	A-628	TAN	APS	pink	40.6	1	5.0	NA	
1959	A-629	TAN	APS	pink	42.0	1	NA	NA	
1960	A-630	TAN	APS	pink	38.8	1	NA	NA	
1961	A-631	TAN	APS	pink	33.2	1	NA	NA	
1962	A-632	TAN	APS	pink	26.4	1	8.9	NA	
1963	A-633	TAN	APS	pink	34.6	1	NA	NA	
1964	A-634	TAN	APS	pink	23.6	1	NA	NA	dead
1965	A-635	TAN	APS	pink	38.2	1	NA	NA	
1966	A-636	TAN	APS	pink	39.6	1	8.8	NA	
1967	A-637	TAN	APS	pink	28.2	1	8.9	NA	
1968	A-638	TAN	APS	pink	25.8	1	5.8	NA	
1969	A-639	TAN	APS	pink	23.8	1	2.0	NA	
1970	A-640	TAN	APS	pink	15.0	1	NA	NA	
1971	A-641	TAN	NGH	yellow	50.5	1	9.5	NA	
1972	A-642	TAN	NGH	yellow	45.0	1	8.6	NA	
1973	A-643	TAN	NGH	yellow	41.2	1	7.9	NA	
1974	A-644	TAN	NGH	yellow	37.4	1	4.9	NA	
1975	A-645	TAN	NGH	yellow	42.2	1	NA	NA	
1976	A-646	TAN	NGH	yellow	38.6	1	NA	NA	
1977	A-647	TAN	NGH	yellow	36.6	1	5.5	NA	
1978	A-648	TAN	NGH	yellow	34.0	1	NA	NA	
1979	A-649	TAN	NGH	yellow	34.2	1	NA	NA	
1980	A-650	TAN	NGH	yellow	30.0	1	NA	NA	
1981	A-651	TAN	NGH	yellow	37.2	1	1.0	NA	
1982	A-652	TAN	NGH	yellow	29.2	1	5.0	NA	
1983	A-653	TAN	NGH	yellow	29.4	1	1.8	NA	
1984	A-654	TAN	NGH	yellow	30.6	1	1.0	NA	
1985	A-655	TAN	NGH	yellow	26.2	1	NA	NA	
1986	A-656	TAN	NGH	yellow	23.2	1	NA	NA	
1987	A-657	TAN	NGH	yellow	23.8	1	1.0	NA	
1988	A-658	TAN	NGH	yellow	24.2	1	NA	NA	
1989	A-659	TAN	NGH	yellow	18.2	1	NA	NA	
1990	A-660	TAN	NGH	yellow	16.6	1	NA	NA	
1991	A-661	TAN	GYS	light_blue	41.2	1	3.2	NA	

1992	A-662	TAN	GYS	light_blue	45.0	1	5.2	NA	
1993	A-663	TAN	GYS	light_blue	41.6	1	5.6	NA	
1994	A-664	TAN	GYS	light_blue	44.2	1	9.5	NA	
1995	A-665	TAN	GYS	light_blue	44.8	1	5.2	NA	
1996	A-666	TAN	GYS	light_blue	35.8	1	8.0	NA	
1997	A-667	TAN	GYS	light_blue	37.6	1	15.0	3.2	
1998	A-668	TAN	GYS	light_blue	39.2	1	15.6	3.3	
1999	A-669	TAN	GYS	light_blue	39.2	1	7.9	NA	
2000	A-670	TAN	GYS	light_blue	39.0	1	9.6	NA	
2001	A-671	TAN	AKS	black	32.0	1	26.9	3.3	
2002	A-672	TAN	AKS	black	39.8	0	39.4	4.3	
2003	A-673	TAN	AKS	black	42.1	0	41.5	3.6	
2004	A-674	TAN	AKS	black	37.6	1	11.9	4.1	
2005	A-675	TAN	AKS	black	47.2	0	45.0	4.8	
2006	A-676	TAN	AKS	black	16.6	0	9.5	NA	
2007	A-677	TAN	AKS	black	10.2	0	5.5	NA	
2008	A-678	TAN	AKS	black	23.6	0	22.3	2.4	
2009	A-679	TAN	AKS	black	37.8	0	36.8	3.3	
2010	A-680	TAN	CKS	lime	19.4	0	17.9	3.4	
2011	A-681	TAN	CKS	lime	22.6	0	20.3	2.7	
2012	A-682	TAN	CKS	lime	26.8	0	26.5	2.8	
2013	A-683	TAN	CKS	lime	36.6	1	21.1	4.4	

No.indiv.: Serial number of individuals. No. ID: ID of individual, Site Abb.: Site abbreviation is consistent with Table 2. Pop Abb.: Population abbreviation is consistent with Table 1. Tape col.: Color of vinyl tape to distinguish populations. Height (before): Height in August 2019 before planting. Rabbit: Damaged (1), no damage (0) during winter 2019. Height (after): Height measured after planting. Diameter (after): Average diameter after planting.

Site characteristics of *Betula ermanii* range-wide provenance trials [revised version]

B-087	B-066	B-133	B-041	B-119	B-177	B-151	APW	blue
B-129	B-034	B-061	B-072	B-105	B-009	B-108	URU	white
B-071	B-059	B-006	B-139	B-017	B-123	B-008	SHK	green
B-082	B-074	B-043	B-163	B-015	B-048	B-141	HKD	red
B-144	B-118	B-011	B-127	B-172	B-147	B-107	MKT	orange
B-005	B-081	B-063	B-115	B-165	B-145	B-171	BDS	gray
B-178	B-002	B-023	B-112	B-160	B-113	B-042	APS	pink
B-051	B-114	B-070	B-180	B-122	B-156	B-090	NGH	yellow
B-168	B-053	B-161	B-159	B-054	B-110	B-019	GYS	light_blue
B-155	B-016	B-031	B-096	B-146	B-026	B-079	AKS	black
B-170	B-130	B-138	B-069	B-046	B-040	B-060	CKS	lime
B-086	B-057	B-093	B-028	B-140	B-030	B-076		
B-157	B-092	B-022	B-089	B-083	B-065	B-125		
B-162	B-154	B-091	B-062	B-164	B-103	B-095		
B-126	B-143	B-149	B-182	B-098	B-176	B-025		
B-010	B-029	B-037	B-137	B-124	B-027	B-055		
B-173	B-044	B-131	B-001	B-021	B-158	B-174		
B-012	B-003	B-166	B-045	B-035	B-036	B-073		
B-078	B-153	B-097	B-183	B-050	B-136	B-052		
B-181	B-128	B-116	B-167	B-080	B-106	B-148		
B-018	B-064	B-099	B-013	B-014	B-085	B-047		
B-056	B-058	B-077	B-150	B-039	B-088	B-101		
B-004	B-111	B-038	B-132	B-102	B-104	B-135		
B-024	B-134	B-075	B-067	B-068	B-100	B-094		
B-142	B-007	B-179	B-084	B-117	B-152	B-020		
B-109	B-120	B-175	B-169	B-032	B-049	B-121		
						B-033		

NYR

B-214	B-331	B-246	B-208	B-258	B-297	B-380	B-299	B-312	B-302	B-339	B-209	B-356	B-310	B-336	B-314	B-366
B-264	B-273	B-281	B-240	B-352	B-242	B-218	B-318	B-284	B-221	B-268	B-370	B-206	B-376	B-225	B-256	B-272
B-282	B-340	B-227	B-205	B-374	B-353	B-306	B-381	B-223	B-347	B-311	B-239	B-354	B-273	B-277	B-265	B-383
B-296	B-334	B-325	B-269	B-203	B-305	B-257	B-274	B-322	B-270	B-279	B-303	B-372	B-211	B-290	B-251	B-259
B-371	B-293	B-207	B-254	B-327	B-300	B-379	B-229	B-342	B-245	B-226	B-271	B-301	B-250	B-224	B-332	B-266
B-309	B-329	B-346	B-324	B-230	B-216	B-232	B-294	B-285	B-335	B-213	B-382	B-320	B-283	B-237	B-348	B-280
B-228	B-220	B-204	B-247	B-363	B-235	B-345	B-278	B-243	B-261	B-344	B-337	B-360	B-330	B-358	B-369	B-338
B-357	B-326	B-212	B-260	B-343	B-365	B-267	B-215	B-315	B-333	B-368	B-201	B-375	B-287	B-202	B-362	B-217
B-378	B-210	B-241	B-236	B-293	B-321	B-377	B-298	B-367	B-248	B-323	B-361	B-233	B-249	B-308	B-238	B-288
B-351	B-219	B-292	B-349	B-262	B-317	B-234	B-231	B-313	B-355	B-244	B-315	B-319	B-222	B-276	B-291	B-350
B-359	B-275	B-295	B-364	B-373	B-304	B-286	B-341	B-316	B-255	B-328	B-253	B-252				

SDH

Figure S1. Layout of individual trees for each site. Maps are arranged in the order shown in **Table 2**.

Site characteristics of *Betula ermanii* range-wide provenance trials [revised version]

B-578	B-462	B-542	B-571	B-524	B-499	B-404	B-490	B-476	B-467	B-457	B-577	B-430	B-480	B-460	B-473	B-414	B-428
B-522	B-520	B-488	B-563	B-426	B-535	B-569	B-479	B-500	B-556	B-523	B-416	B-576	B-412	B-559	B-532	B-504	B-511
B-492	B-458	B-558	B-565	B-411	B-429	B-478	B-402	B-557	B-443	B-481	B-561	B-427	B-519	B-515	B-513	B-401	B-489
B-502	B-456	B-447	B-514	B-570	B-465	B-528	B-507	B-449	B-508	B-518	B-469	B-408	B-573	B-501	B-534	B-537	B-419
B-406	B-494	B-574	B-540	B-453	B-496	B-407	B-550	B-440	B-539	B-560	B-506	B-470	B-529	B-555	B-444	B-512	B-409
B-475	B-454	B-432	B-448	B-544	B-580	B-552	B-484	B-485	B-452	B-581	B-403	B-483	B-486	B-546	B-442	B-517	B-466
B-562	B-583	B-575	B-543	B-422	B-549	B-437	B-510	B-536	B-521	B-441	B-461	B-424	B-455	B-438	B-421	B-459	B-497
B-425	B-451	B-567	B-525	B-435	B-417	B-516	B-579	B-471	B-463	B-415	B-566	B-410	B-487	B-564	B-418	B-568	B-436
B-413	B-572	B-533	B-547	B-493	B-450	B-405	B-495	B-423	B-531	B-445	B-420	B-548	B-530	B-482	B-554	B-491	B-468
B-434	B-582	B-503	B-433	B-505	B-464	B-545	B-553	B-474	B-439	B-538	B-472	B-477	B-551	B-509	B-498	B-431	B-526

SDL



B-770	B-694	B-676	B-664	B-603	B-668	B-754	B-782	B-738	B-697	B-613	B-695	B-607	B-763	B-659	B-730
B-634	B-636	B-630	B-727	B-746	B-655	B-661	B-663	B-733	B-638	B-778	B-624	B-688	B-683	B-732	B-673
B-674	B-757	B-658	B-698	B-677	B-723	B-602	B-614	B-631	B-717	B-605	B-629	B-604	B-620	B-678	B-648
B-755	B-712	B-667	B-606	B-759	B-610	B-718	B-689	B-681	B-640	B-714	B-765	B-609	B-719	B-642	
B-611	B-687	B-720	B-705	B-633	B-736	B-708	B-647	B-637	B-662	B-657	B-700	B-692	B-628	B-649	
B-612	B-741	B-696	B-617	B-608	B-686	B-652	B-752	B-669	B-776	B-750	B-665	B-758	B-779	B-743	
B-721	B-725	B-685	B-646	B-621	B-684	B-729	B-654	B-618	B-739	B-644	B-764	B-781	B-639	B-615	
B-724	B-740	B-703	B-761	B-702	B-783	B-691	B-672	B-722	B-716	B-745	B-616	B-660	B-653	B-760	
B-711	B-756	B-622	B-774	B-645	B-671	B-623	B-731	B-734	B-627	B-666	B-715	B-704	B-726	B-748	
B-768	B-742	B-699	B-762	B-737	B-766	B-749	B-625	B-656	B-773	B-670	B-635	B-641	B-707	B-643	
B-693	B-751	B-632	B-651	B-772	B-680	B-706	B-650	B-775	B-728	B-753	B-701	B-675	B-690	B-769	
B-626	B-679	B-713	B-747	B-767	B-601	B-744	B-682	B-735	B-777	B-709	B-710	B-619	B-771	B-780	

TKB



B-947	B-805	B-860	B-972	B-848	B-938	B-952	B-973	B-849	B-812	B-869	B-830	B-847	B-901	B-941	B-836
B-978	B-810	B-815	B-831	B-868	B-939	B-959	B-850	B-894	B-970	B-898	B-935	B-884	B-907	B-974	B-957
B-980	B-858	B-822	B-880	B-876	B-853	B-829	B-982	B-915	B-821	B-931	B-842	B-932	B-940	B-927	B-925
B-896	B-937	B-862	B-943	B-908	B-887	B-934	B-916	B-885	B-962	B-961	B-813	B-818	B-886	B-955	
B-878	B-923	B-879	B-820	B-902	B-856	B-948	B-979	B-895	B-963	B-924	B-807	B-833	B-960	B-958	
B-832	B-844	B-922	B-863	B-920	B-865	B-966	B-921	B-945	B-883	B-803	B-861	B-910	B-875	B-877	
B-946	B-834	B-904	B-873	B-801	B-816	B-976	B-824	B-964	B-929	B-804	B-905	B-975	B-859	B-951	
B-851	B-906	B-802	B-954	B-928	B-841	B-819	B-965	B-855	B-944	B-806	B-969	B-826	B-903	B-840	
B-899	B-919	B-852	B-835	B-817	B-845	B-825	B-893	B-843	B-888	B-864	B-811	B-983	B-857	B-909	
B-823	B-956	B-950	B-837	B-917	B-828	B-911	B-942	B-846	B-968	B-874	B-926	B-881	B-890	B-967	
B-949	B-808	B-930	B-889	B-953	B-809	B-872	B-971	B-867	B-897	B-918	B-936	B-854	B-839	B-977	
B-866	B-900	B-913	B-891	B-838	B-814	B-892	B-912	B-882	B-933	B-870	B-981	B-827	B-871	B-914	

YGT



Figure S1. Continued

C-072	C-118	C-018	C-148	C-086	C-098	C-022	C-136	C-021	C-163
C-064	C-164	C-001	C-093	C-017	C-162	C-045	C-183	C-040	C-128
C-028	C-160	C-013	C-106	C-038	C-134	C-023	C-122	C-042	C-111
C-061			C-151	C-058	C-139	C-003	C-112		C-090
C-010	C-168	C-065	C-147	C-078	C-113	C-024	C-097		C-057
C-075	C-135	C-041	C-120	C-030			C-127	C-082	C-049
C-047	C-182	C-026	C-124	C-084	C-095	C-071	C-149	C-031	C-115
C-079	C-094	C-029	C-167		C-143	C-020	C-132		C-129
C-054	C-117	C-033	C-091	C-059	C-133	C-014	C-125	C-080	C-043
C-006	C-158	C-081	C-121	C-016	C-146	C-083	C-096	C-044	C-012
C-052	C-110	C-089	C-126	C-067	C-150	C-068		C-116	C-107
C-051	C-181	C-063	C-173	C-037	C-138	C-046	C-105	C-100	C-154
C-027	C-156	C-035	C-140	C-076	C-155	C-062	C-179	C-114	C-025
C-085	C-176		C-092	C-050	C-177	C-019	C-137	C-152	C-145
C-036	C-144	C-088	C-131	C-011	C-175	C-032	C-157	C-159	C-165
C-073	C-109	C-055	C-178	C-077		C-004	C-119	C-180	C-060
C-008	C-123	C-005		C-069	C-161	C-087		C-103	C-053
C-002	C-099	C-007	C-171	C-015	C-130	C-048	C-142	C-102	C-169
C-056	C-101	C-039	C-141	C-066	C-104	C-009	C-153	C-174	
C-074	C-170	C-034		C-070	C-108		C-166	C-172	

INA



C-352														
C-220	C-323	C-310	C-219	C-336	C-271	C-210	C-316	C-244	C-340	C-231	C-309	C-334	C-370	
C-346	C-251	C-299	C-351	C-212	C-262	C-289	C-322	C-285	C-254	C-320	C-304	C-261	C-260	
C-236	C-242	C-245	C-226	C-332	C-303	C-369	C-206	C-347	C-312	C-348	C-240	C-295	C-350	
C-243	C-333	C-246	C-229	C-302	C-300	C-259	C-263	C-319	C-214	C-270	C-293	C-331	C-223	
C-298	C-349	C-324	C-227	C-301	C-379	C-224	C-318	C-209	C-361	C-372	C-308	C-337	C-281	
C-208	C-325	C-279	C-292	C-234	C-278	C-264	C-341	C-362	C-275	C-207	C-364	C-235	C-382	
C-280	C-359	C-381	C-305	C-257	C-314	C-282	C-256	C-272	C-313	C-247	C-233	C-241	C-380	
C-358	C-201	C-249	C-328	C-269	C-258	C-216	C-342	C-252	C-267	C-353	C-205	C-294	C-360	
C-222	C-221	C-321	C-204	C-237	C-326	C-367	C-377	C-374	C-287	C-239	C-215	C-268	C-286	
C-218	C-330	C-307	C-255	C-371	C-306	C-329	C-376	C-356	C-211	C-203	C-357	C-265	C-248	
C-230	C-228	C-297	C-253	C-363	C-311	C-217	C-327	C-368	C-354	C-383	C-274	C-366	C-338	
C-296	C-276	C-343	C-273	C-378	C-355	C-315	C-284	C-365	C-288	C-238	C-277	C-225	C-290	
C-344	C-345	C-250	C-266	C-202	C-335	C-339	C-213	C-375	C-283	C-291	C-373	C-317	C-232	

TNR



Figure S1. Continued

C-569	C-498	C-441	C-520	C-445	C-558	C-496	C-460	C-562	C-493	C-451	C-422	C-379	C-426	C-483	C-439	C-453	C-557	C-402	C-544	C-414	C-576	C-550
C-418	C-431	C-421	C-494	C-469	C-433	C-419	C-514	C-513	C-407	C-497	C-456	C-502	C-471	C-459	C-527	C-537	C-565	C-403	C-561	C-467	C-466	C-424
C-446	C-406	C-574	C-428	C-490	C-530	C-582	C-440	C-436	C-554	C-508	C-568	C-509	C-506	C-556	C-563	C-412	C-408	C-538	C-444	C-458	C-413	C-515
C-486	C-560	C-485	C-487	C-465	C-491	C-583	C-577	C-507	C-449	C-533	C-425	C-570	C-411	C-555	C-454	C-464	C-477	C-564	C-461	C-447	C-528	C-567
C-571	C-580	C-448	C-534	C-405	C-540	C-549	C-489	C-551	C-476	C-420	C-473	C-472	C-504	C-427	C-468	C-511	C-478	C-536	C-531	C-404	C-457	C-522
C-543	C-518	C-575	C-442	C-443	C-484	C-452	C-546	C-480	C-435	C-482	C-526	C-416	C-423	C-453	C-438	C-409	C-566	C-462	C-495	C-517	C-432	C-503
C-488	C-529	C-430	C-521	C-450	C-516	C-539	C-499	C-512	C-474	C-578	C-545	C-510	C-553	C-525	C-532	C-547	C-552	C-410	C-413	C-481	C-559	C-470
C-479	C-523	C-535	C-501	C-463	C-581	C-401	C-429	C-542	C-434	C-505	C-573	C-572	C-500	C-415	C-524	C-437	C-541	C-519	C-492	C-548	C-473	

STR



									C-605	C-709	C-673
C-769	C-651	C-684	C-727	C-629	C-761	C-781	C-604	C-762	C-740	C-694	C-653
C-621	C-775	C-613	C-644	C-602	C-660	C-608	C-778	C-614	C-627	C-645	C-782
C-693	C-737	C-702	C-624	C-699	C-665	C-716	C-664	C-768	C-776	C-661	C-616
C-735	C-703	C-657	C-607	C-766	C-708	C-757	C-630	C-728	C-745	C-623	C-650
C-672	C-697	C-707	C-625	C-743	C-656	C-675	C-753	C-626	C-714	C-670	C-700
C-649	C-713	C-774	C-669	C-704	C-721	C-773	C-638	C-668	C-722	C-706	C-739
C-731	C-779	C-764	C-691	C-736	C-750	C-755	C-667	C-648	C-759	C-609	C-733
C-758	C-720	C-679	C-603	C-710	C-642	C-698	C-689	C-705	C-618	C-760	C-748
C-620	C-695	C-783	C-658	C-654	C-754	C-730	C-640	C-692	C-756	C-723	C-611
C-681	C-746	C-636	C-612	C-732	C-715	C-633	C-712	C-752	C-619	C-643	C-725
C-724	C-726	C-749	C-718	C-780	C-652	C-610	C-688	C-647	C-729	C-742	C-682
C-751	C-615	C-678	C-687	C-744	C-680	C-683	C-738	C-662	C-690	C-663	C-646
C-659	C-635	C-696	C-632	C-676	C-655	C-641	C-617	C-717	C-747	C-771	C-674
C-777	C-677	C-606	C-763	C-767	C-719	C-639	C-671	C-634	C-772	C-601	C-637
C-631	C-765	C-685	C-741	C-711	C-628	C-734	C-622	C-770	C-701	C-686	C-666

CBA



Figure S1. Continued

Site characteristics of *Betula ermanii* range-wide provenance trials [revised version]

C-944	C-873	C-871	C-877	C-893	C-846	C-839	C-808	C-947	C-950	C-934	C-904	C-845	C-975	C-878	C-827
C-905	C-864	C-874	C-857	C-910	C-821	C-880	C-929	C-941	C-939	C-981	C-964	C-919	C-956	C-906	C-851
C-928	C-882	C-830	C-968	C-807	C-801	C-911	C-903	C-863	C-962	C-842	C-881	C-884	C-848	C-940	C-946
C-971	C-825	C-912	C-951	C-811	C-816	C-915	C-802	C-826	C-926	C-977	C-909	C-806	C-899	C-902	
C-887	C-860	C-976	C-966	C-955	C-974	C-834	C-967	C-953	C-854	C-949	C-840	C-812	C-973	C-922	
C-978	C-938	C-923	C-829	C-868	C-933	C-913	C-883	C-969	C-856	C-982	C-824	C-805	C-886	C-850	
C-813	C-918	C-972	C-895	C-900	C-843	C-979	C-917	C-820	C-920	C-914	C-907	C-885	C-924	C-897	
C-908	C-889	C-852	C-948	C-810	C-896	C-901	C-935	C-980	C-867	C-916	C-943	C-831	C-957	C-832	
C-892	C-879	C-954	C-898	C-803	C-961	C-931	C-818	C-837	C-855	C-833	C-875	C-862	C-925	C-809	
C-888	C-838	C-858	C-960	C-861	C-983	C-836	C-932	C-936	C-921	C-841	C-970	C-965	C-853	C-894	
C-942	C-945	C-849	C-828	C-891	C-958	C-835	C-823	C-814	C-819	C-869	C-859	C-822	C-815	C-847	
C-817	C-876	C-866	C-804	C-959	C-937	C-870	C-890	C-865	C-963	C-952	C-930	C-872	C-844	C-927	

HRZ



A-514	A-567	A-561	A-522	A-518	A-513	A-677	A-588	A-539	A-620	A-666	A-574	A-626	A-583	A-656
A-577	A-645	A-528	A-612	A-542	A-555	A-538	A-613	A-579	A-575	A-585	A-591	A-624	A-667	A-526
A-519	A-546	A-535	A-623	A-534	A-515	A-655	A-566	A-586	A-559	A-589	A-653	A-536	A-672	A-568
A-554	A-597	A-673	A-611	A-592	A-650	A-578	A-659	A-618	A-637	A-558	A-501	A-646	A-507	A-671
A-590	A-544	A-523	A-506	A-551	A-652	A-605	A-529	A-537	A-630	A-516	A-573	A-606	A-525	A-631
A-675	A-520	A-570	A-563	A-625	A-643	A-641	A-594	A-603	A-517	A-604	A-508	A-596	A-548	A-648
A-541	A-582	A-663	A-607	A-674	A-564	A-676	A-642	A-640	A-565	A-654	A-510	A-540	A-521	A-657
A-531	A-504	A-610	A-560	A-635	A-553	A-533	A-549	A-660	A-627	A-505	A-576	A-593	A-601	A-647
A-632	A-679	A-617	A-668	A-571	A-580	A-665	A-584	A-503	A-628	A-509	A-543	A-622	A-599	A-524
A-644	A-682	A-502	A-670	A-639	A-662	A-572	A-532	A-600	A-664	A-651	A-619	A-658	A-636	A-595
A-616	A-661	A-569	A-562	A-512	A-629	A-608	A-545	A-581	A-527	A-609	A-511	A-615	A-649	A-638
A-633	A-550	A-683	A-680	A-678	A-557	A-598	A-530	A-602	A-614	A-681	A-556	A-621	A-587	A-669

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Figure S1. Continued