Supplementary Material 2
Comparison of Smoke Chemistry, In vitro Cytotoxicity, and Genotoxicity Demonstrates Greater Toxicity of Cigarillos Compared to Cigarettes
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MN and TK Assay (Raw Data)

Micronuclei and TK Raw Data Sets

SEQUENCE	PRODUCT TYPE	PRODUCT DETAILS	PUFF
1	CIGARILLO	Swisher Sweets Perfecto Natural Sweet Cigarillo	PUFFING2
3	CIGARETTE	Marlboro Blue Fresh (Menthol)	PUFFING1
4	CIGARILLO	Swisher Sweets Sweet Original Cigarillos	PUFFING2
10	CIGARILLO	Winchester Original Blend Little Cigars	PUFFING2
11	CIGARETTE	Marlboro Blue Fresh (Menthol)	PUFFING2
13	CIGARETTE	Newport Menthol Blue	PUFFING2
15	CIGARILLO	Swisher Sweets Sweet Original Cigarillos	PUFFING1
19	CIGARILLO	White Owl Cigarillos	PUFFING1
20	CIGARILLO	Winchester Original Blend Little Cigars	PUFFING1
21	CIGARILLO	Swisher Sweets Grape Natural Cigarillo	PUFFING2
26	CIGARILLO	Black and Mild Classic/Natural Cigarillos	PUFFING1
27	CIGARETTE	Marlboro Red	PUFFING2
30	CIGARETTE	Marlboro Gold (Lights)	PUFFING1
41	CIGARILLO	Swisher Sweets Natural Sweet Cigarillo	PUFFING2
42	CIGARETTE	Pall Mall Menthol	PUFFING1
43	CIGARETTE	Newport Blue (Medium)	PUFFING2
44	CIGARETTE	Camel	PUFFING2
47	CIGARETTE	Newport Menthol Blue	PUFFING1
51	CIGARETTE	Newport Blue (Medium)	PUFFING1
54	CIGARILLO	Dutch Masters Palma Natural Corona	PUFFING2
59	CIGARETTE	Camel Menthol	PUFFING2
61	CIGARILLO	Black & Mild Cigarillo Natural Apple	PUFFING1
63	CIGARILLO	Swisher Sweets Grape Natural Cigarillo	PUFFING1
66	CIGARILLO	White Owl Cigarillos	PUFFING2
70	CIGARILLO	Dutch Masters Palma Natural Corona	PUFFING1
71	CIGARILLO	Swisher Sweets Natural Sweet Cigarillo	PUFFING1
74	CIGARETTE	Camel Menthol	PUFFING1
75	CIGARILLO	Black & Mild Tip Natural Cigarillo	PUFFING2
77	CIGARETTE	Marlboro Gold (Lights)	PUFFING2
79	CIGARETTE	Camel	PUFFING1
80	CIGARILLO	Black & Mild Tip Natural Cigarillo	PUFFING1
86	CIGARILLO	Black & Mild Cigarillo Natural Apple	PUFFING2
88	CIGARETTE	Pall Mall Red	PUFFING1
104	CIGARETTE	Newport Box (Full Flavor)	PUFFING2
108	CIGARETTE	Newport Box (Full Flavor)	PUFFING1
110	CIGARETTE	Marlboro Red	PUFFING1
116	CIGARETTE	Pall Mall Red	PUFFING2
117	CIGARILLO	Black and Mild Classic/Natural Cigarillos	PUFFING2
119	CIGARILLO	Swisher Sweets Perfecto Natural Sweet Cigarillo	PUFFING1
120	CIGARETTE	Pall Mall Menthol	PUFFING2

Cigarettes

Dose	MC_3 pS9	TC_3 pS9	Apoptosis_	MC_3 mS9	TC_3 mS9	Apoptosis_	MC_11 pS9	TC_11 pS9	Apoptosis_
DMSO Con	135	10000	647	132	10000	268	108	10000	79
DMSO Con	116	10000	748	106	10000	107	136	10000	65
DMSO Con	165	10000	832	99	10000	63	241	10000	99
DMSO Con	160	10000	567	106	10000	140	109	10000	76
Positive Co	149	10000	502	116	10000	109	164	10000	138
Positive Co	121	2884	1675	387	10000	193	166	10000	234
Positive Co	82	2964	1397	253	10000	101	203	10000	116
Positive Co	160	10000	833	159	10000	138	148	10000	175
0.0156	173	10000	370	43	4345	211	147	10000	74
0.0156	316	10000	539	57	5309	207	131	10000	57
0.0156	268	10000	858	150	9492	135	114	10000	53
0.0156				77	6326	190	99	10000	38
0.0313	167	10000	704	47	5176	230	119	10000	80
0.0313	405	10000	1063	115	8790	251	168	10000	84
0.0313				99	10000	112	108	10000	74
0.0313	162	10000	487	102	6623	238	114	10000	105
0.0625	209	10000	385	64	7736	370	173	10000	102
0.0625	346	10000	620	78	10000	149	99	10000	122
0.0625	266	10000	745	89	10000	87	98	10000	111
0.0625	101	10000	275	63	10000	56	116	10000	56
0.125	143	10000	573	71	6834	499	186	10000	158
0.125	181	10000	668	106	10000	72	136	10000	236
0.125	174	10000	513	137	8594	236	89	10000	150
0.125	145	10000	442	95	9589	315	97	10000	147

MC_11 mS	TC_11 mS9	Apoptosis_	MC_13 pS9	TC_13 pS9	Apoptosis_	MC_13 mS	TC_13 mS9	Apoptosis_	MC_27 pS9
241	10000	59	108	10000	79	241	10000	59	111
153	10000	33	136	10000	65	153	10000	33	90
189	10000	69	241	10000	99	189	10000	69	97
111	10000	60	109	10000	76	111	10000	60	156
234	10000	79	164	10000	138	234	10000	79	188
158	10000	71	166	10000	234	158	10000	71	171
168	10000	62	203	10000	116	168	10000	62	125
171	10000	60	148	10000	175	171	10000	60	162
140	10000	48	123	10000	121	94	10000	58	157
139	10000	33	117	8903	152	114	10000	40	162
99	10000	39	101	4808	96	121	10000	77	200
101	10000	35	118	7251	262	98	10000	56	145
136	10000	47	140	10000	75	118	10000	17	185
120	10000	34	116	8110	73	105	10000	31	216
144	10000	39	63	3171	81	67	10000	57	199
85	10000	52	148	9731	332	97	10000	113	125
147	10000	59	101	7279	205	128	10000	34	215
117	10000	67	94	5711	164	93	10000	70	163
110	10000	68	104	7684	177	107	10000	32	161
126	10000	41	135	9044	187	101	10000	61	150
147	10000	298	83	5099	194	106	8750	150	146
131	10000	247	59	4658	140	157	9052	389	128
348	9144	235	83	5886	155	73	7337	167	137
167	10000	100	80	4879	150	72	8870	210	154

TC_27 pS9	Apoptosis_	MC_27 mS	TC_27 mS9	Apoptosis_	MC_30 pS9	TC_30 pS9	Apoptosis_	MC_30 mS	TC_30 mS9
10000	352	111	10000	127	129	10000	25	86	10000
10000	351	128	10000	173	160	4765	27	106	7675
10000	214	93	10000	164	99	10000	23	199	9049
10000	267	105	10000	199	117	10000	39	111	7806
10000	422	111	10000	99	178	10000	55	132	8710
10000	351	117	10000	116	138	10000	47	135	8301
10000	399	111	10000	96	185	10000	143	199	8566
10000	318	189	10000	169	132	6934	188	113	6236
10000	222	100	10000	87	27	1941	60	84	6854
10000	183	114	10000	135	146	7352	84	95	5975
10000	358	95	10000	74	150	10000	59	86	7998
10000	257	93	10000	79	71	6964	100	93	4220
10000	295	104	10000	93	43	3055	33	39	3808
10000	419	120	10000	192	101	5325	35	53	5196
10000	720	96	10000	77	242	6983	47	54	4982
10000	1123	115	10000	215	112	9494	87	98	6946
10000	343	117	10000	93	48	4337	65	42	4400
10000	194	123	10000	100	92	5516	44	58	3573
10000	326	89	10000	72	136	4879	20	74	5197
10000	354	93	10000	87	92	6607	119	101	5786
10000	258	121	10000	132	130	5235	42	52	5343
10000	141	132	10000	123	128	8659	50	47	3770
10000	230	129	10000	141	131	7228	75	43	4596
10000	243	117	10000	156	110	6566	80	149	6689

Apoptosis_	MC_42 pS9	TC_42 pS9	Apoptosis_	MC_42 mS	TC_42 mS9	Apoptosis_	MC_43 pS9	TC_43 pS9	Apoptosis_
82	129	10000	25	102	10000	79	206	10000	1136
55	160	4765	27	77	10000	95	200	10000	2234
137	99	10000	23	73	10000	59	210	10000	1786
58	117	10000	39	97	10000	88	129	10000	1660
46	178	10000	55	98	10000	55	216	10000	2130
48	138	10000	47	113	10000	88	230	10000	2259
53	185	10000	143	97	10000	75	220	10000	2411
59	132	6934	188	187	10000	63	287	10000	4179
73	68	6774	89	142	10000	192	145	10000	795
76	150	8572	81	100	10000	133	155	10000	1754
112	120	9267	64	115	10000	107	127	10000	1326
76	129	6546	100	104	10000	177	203	10000	1737
24	122	8917	82	221	10000	167	168	10000	669
65	109	10000	72	89	10000	92	134	10000	1893
42	117	10000	84	72	10000	101	150	10000	1096
51	145	6442	52	29	10000	329	177	10000	1288
96	156	10000	49	156	10023	190	129	7244	639
60	187	10000	52	100	10000	213	173	10000	1217
108	118	6539	70	82	10000	188	142	10000	441
104	147	8350	72	99	10000	136	189	10000	706
44	46	2714	32	139	10000	187	170	10000	805
30	101	7093	29	124	10000	156	135	9578	1084
77	140	8325	40	101	10000	155	139	10000	795
86	113	8111	53	140	10000	182	134	10000	346

MC_43 mS	TC_43 mS9	Apoptosis_	MC_44 pS9	TC_44 pS9	Apoptosis_	MC_44 mS	TC_44 mS9	Apoptosis_	MC_47 pS9
105	10000	79	206	10000	1136	77	10000	46	109
90	10000	67	200	10000	2234	81	10000	42	163
77	10000	36	210	10000	1786	96	10000	34	182
82	10000	50	129	10000	1660	77	10000	41	103
74	10000	52	216	10000	2130	113	10000	47	195
99	10000	38	230	10000	2259	132	10000	54	288
100	10000	41	220	10000	2411	120	10000	67	227
143	10000	56	287	10000	4179	103	10000	74	126
151	10000	77	120	10000	683	96	10000	87	142
133	10000	77	128	10000	645	90	10000	102	182
188	10000	106	137	10000	278	101	10000	83	157
137	10000	98	192	10000	771	94	10000	77	115
105	10000	98	139	10000	606	108	10000	79	123
99	10000	98	117	10000	778	63	10000	49	196
136	10000	97	104	10000	568	71	10000	49	171
121	10000	100	108	10000	499	53	10000	74	209
57	10000	93	188	10000	688	97	10000	98	176
64	10000	79	157	10000	751	136	10000	129	145
122	10000	55	137	10000	357	81	10000	108	143
114	10000	62	163	8080	525	78	10000	101	275
64	10000	148	168	6196	684	122	10000	157	121
57	10000	185	106	7208	858	98	10000	81	160
100	10000	160	175	10000	410	74	10000	61	212
97	10000	130	184	10000	472	87	10000	122	166

TC_47 pS9	Apoptosis_	MC_47 mS	TC_47 mS9	Apoptosis_	MC_51 pS9	TC_51 pS9	Apoptosis_	MC_51 mS	TC_51 mS9
8555	442	80	3078	76	109	8555	442	80	3078
10000	626	153	3714	108	163	10000	626	153	3714
7648	514	93	3637	101	182	7648	514	93	3637
7850	404	117	3743	114	103	7850	404	117	3743
7590	518	244	3100	128	195	7590	518	244	3100
8705	464	319	3497	199	288	8705	464	319	3497
7911	421	220	3456	213	227	7911	421	220	3456
5720	378	279	2676	201	126	5720	378	279	2676
10000	61	99	3087	266	210	9064	131	90	2778
9891	98	56	3545	235	165	8527	263	88	2908
10000	128	105	3607	200	212	9640	97	111	3639
6803	66	79	3568	497	93	5513	93	169	5045
8237	168	55	2623	376	128	7915	132	66	2111
8236	104	68	2761	292	169	7532	212	72	2465
8090	106	67	1983	1062	140	8737	104	125	4302
10000	108	79	3020	408	119	6586	88	85	3106
7377	122	72	2202	161	99	7255	130	82	2751
7113	132	106	2847	107	157	9529	185	97	2362
7499	91	88	3068	128	154	10000	55	89	2578
10000	96	102	3517	174	172	10000	100	72	2983
6171	75	44	1933	106	110	6675	95	35	1798
6844	178	40	1701	152	151	6212	157	45	1819
10000	115	68	2775	195	140	7333	69	58	2098
6827	100	71	3173	227	168	7545	76	55	2333

Apoptosis_	MC_59 pS9	TC_59 pS9	Apoptosis_	MC_59 mS9	TC_59 mS9	Apoptosis_	MC_74 pS9	TC_74 pS9	Apoptosis_
76	81	10000	196	102	10000	79	145	10000	284
108	61	10000	253	77	10000	95	183	7787	322
101	59	10000	202	73	10000	59	181	10000	358
114	62	10000	268	97	10000	88	114	9579	379
128	188	10004	558	98	10000	55	147	5953	267
199	104	10000	487	113	10000	88	115	6573	272
213	167	10000	370	97	10000	75	310	7230	264
201	189	10000	333	187	10000	63	194	5497	162
88	68	10000	116	75	10000	108	124	10000	423
73	49	10000	98	55	10000	109	116	8893	343
144	54	10000	158	97	10000	94	75	6957	210
117	97	10000	118	73	10000	69	73	7150	398
105	38	10000	189	65	10000	195	64	8566	302
93	48	10000	142	77	10000	130	51	6661	260
104	56	10000	117	106	10000	121	68	4671	124
74	88	10000	148	112	10000	139	65	5055	359
119	60	10000	221	69	10000	193	95	10000	211
109	77	10000	181	87	10000	154	63	7098	148
132	66	10000	138	102	10000	159	32	4693	194
91	105	10000	147	122	10000	147	56	5784	193
134	62	10000	482	110	10000	258	109	9417	288
99	68	10000	380	92	10000	187	56	6509	215
114	55	10000	241	135	10000	95	59	6396	109
87	96	10000	225	123	10000	166	82	6783	181

MC_74 mS	TC_74 mS9	Apoptosis_	MC_77 pS9	TC_77 pS9	Apoptosis_	MC_77 mS	TC_77 mS9	Apoptosis_	MC_79 pS9
86	10000	82	75	2709	166	214	10000	67	75
106	7675	55	116	7509	240	198	10000	39	116
199	9049	137	73	3490	459	289	10000	75	73
111	7806	58	147	8374	359	227	10000	48	147
132	8710	46	128	3545	548	270	10000	79	128
135	8301	48	70	3234	534	246	10000	28	70
199	8566	53	114	3610	576	283	10000	44	114
113	6236	59	167	5675	653	250	10000	69	167
58	7967	122	194	9257	316	209	10000	253	159
51	7521	93	116	6692	274	217	10000	96	216
66	6205	74	97	6534	249	197	10000	174	82
45	5938	49	90	1671	134	258	10000	86	79
96	10000	116	199	9847	295	475	10000	166	116
42	5539	88	95	3925	219	128	10000	97	46
74	6808	65	89	6203	271	142	10000	150	17
62	6914	63	100	5366	300	132	10000	74	25
96	8215	158	79	3474	252	227	9124	200	128
78	6160	95	58	2177	105	196	10000	156	23
60	3810	51	98	5760	269	133	10000	155	87
37	4869	40	75	4870	308	169	10000	210	49
112	8398	129	161	7132	721	183	10000	153	111
74	5094	150	109	6605	633	152	10000	202	38
47	4318	63	112	5773	353	147	10000	264	55
28	3668	34	47	2050	101	97	10000	214	38

TC_79 pS9	Apoptosis_	MC_79 mS	TC_79 mS9	Apoptosis_	MC_88 pS9	TC_88 pS9	Apoptosis_	MC_88 mS	TC_88 mS9
2709	166	214	10000	67	75	2709	166	162	10000
7509	240	198	10000	39	116	7509	240	163	10000
3490	459	289	10000	75	73	3490	459	140	10000
8374	359	227	10000	48	147	8374	359	115	10000
3545	548	270	10000	79	128	3545	548	167	10000
3234	534	246	10000	28	70	3234	534	405	10000
3610	576	283	10000	44	114	3610	576	172	10000
5675	653	250	10000	69	167	5675	653	193	10000
7910	239	403	10000	88	153	10000	201	167	10000
10000	286	103	10000	88	110	10000	131	159	10000
6313	235	132	10000	110	86	5974	147	169	10000
7515	200	104	10000	103	131	9069	266	148	10000
6472	246	242	9290	150	141	10000	206	102	10000
3834	3379	176	10000	120	102	10000	255	107	10000
2623	2386	149	10000	104	75	8189	271	113	10000
2319	1853	121	10000	124	83	6879	345	96	10000
4953	228	228	10000	139	159	10000	202	156	10000
4958	397	201	10000	180	94	5975	186	147	10000
6297	239	143	10000	164	69	3986	201	149	10000
3567	171	129	10000	150	48	3108	298	136	10000
5826	776	183	10000	160	86	7018	419	142	10000
3972	328	151	10000	162	65	4879	325	131	10000
4899	450	137	10000	153	31	2125	191	107	10000
3732	222	115	10000	216	32	2666	145	96	10000

Apoptosis_	MC_104 pS	TC_104 pS	Apoptosis_	MC_104 m	TC_104 mS	Apoptosis_	MC_108 pS	TC_108 pS	Apoptosis_
200	75	2709	166	162	10000	200	208	10000	196
206	116	7509	240	163	10000	206	145	10000	236
36	73	3490	459	140	10000	36	144	10000	272
54	147	8374	359	115	10000	54	191	10000	285
77	128	3545	548	167	10000	77	290	10000	581
230	70	3234	534	405	10000	230	348	10000	329
66	114	3610	576	172	10000	66	308	10000	348
107	167	5675	653	193	10000	107	244	10000	992
99	116	9151	199	102	10000	95	146	10000	369
98	154	8825	219	126	10000	91	223	10000	513
107	79	8974	185	97	10000	78	226	10000	395
130	84	6831	183	128	10000	150	209	10000	338
77	112	6428	183	103	10000	130	131	10000	401
113	104	10000	324	168	10000	135	132	10000	267
126	95	7688	215	131	10000	78	171	10000	342
105	64	8433	399	127	10000	182	306	10000	307
123	96	8060	321	137	10000	106	87	10000	281
156	96	8679	495	114	10000	91	95	10000	327
143	108	10000	400	111	10000	88	112	10000	186
181	91	5907	426	118	10000	122	156	10000	177
187	115	6520	331	113	10000	143	65	10000	566
212	105	6571	259	116	10000	140	110	10000	284
203	109	5982	282	144	10000	150	129	10000	261
221	145	10000	781	80	10000	143	236	10000	214

MC_108 m	TC_108 mS	Apoptosis_	MC_110 pS	TC_110 pS	Apoptosis_	MC_110 m	TC_110 mS	Apoptosis_	MC_116 pS
105	10000	79	208	10000	196	105	10000	79	65
90	10000	67	145	10000	236	90	10000	67	78
77	10000	36	144	10000	272	77	10000	36	99
82	10000	50	191	10000	285	82	10000	50	82
74	10000	52	290	10000	581	74	10000	52	84
99	10000	38	348	10000	329	99	10000	38	114
100	10000	41	308	10000	348	100	10000	41	100
143	10000	56	244	10000	992	143	10000	56	100
69	10000	74	69	10000	312	71	10000	68	109
96	10000	60	110	10000	303	54	10000	58	60
91	10000	81	100	10000	264	78	10000	72	70
89	10000	63	165	10000	295	110	10000	95	61
53	10000	80	73	10000	247	33	10000	65	80
48	10000	110	99	10000	294	32	10000	84	81
79	10000	92	123	10000	245	64	10000	59	63
156	10000	100	199	10000	211	125	10000	49	79
44	10000	91	66	10000	391	33	10000	106	106
57	10000	69	71	10000	383	55	10000	76	78
83	10000	53	114	10000	257	61	10000	72	72
141	10000	81	125	10000	233	87	10000	75	61
52	10000	150	67	10000	455	52	10000	92	107
53	10000	87	130	10000	560	57	10000	110	82
72	10000	96	133	10000	938	78	10000	175	47
120	10000	74	136	10000	505	97	10000	100	51

TC_116 pS	Apoptosis_	MC_116 m	TC_116 mS	Apoptosis_	MC_120 pS	TC_120 pS	Apoptosis_	MC_120 m	TC_120 mS
10000	231	77	10000	46	65	10000	231	77	10000
10000	143	81	10000	42	78	10000	143	81	10000
10000	144	96	10000	34	99	10000	144	96	10000
10000	133	77	10000	41	82	10000	133	77	10000
10000	214	113	10000	47	84	10000	214	113	10000
10000	132	132	10000	54	114	10000	132	132	10000
10000	232	120	10000	67	100	10000	232	120	10000
10000	207	103	10000	74	100	10000	207	103	10000
10000	136	76	10000	76	106	10000	272	94	10000
10000	126	69	10000	55	56	10000	231	73	10000
10000	129	77	10000	35	58	10000	170	68	10000
10000	119	81	10000	70	62	10000	186	78	10000
10000	254	99	10000	80	93	10000	124	109	10000
10000	223	81	10000	44	95	10000	256	100	10000
10000	184	80	10000	48	101	10000	219	75	10000
10000	274	132	10000	117	83	10000	165	84	10000
10000	217	63	10000	88	89	10000	153	76	10000
10000	72	62	10000	40	78	10000	152	47	10000
10000	303	68	10000	49	79	10000	119	86	10000
10000	380	55	10000	55	97	10000	195	108	10000
10000	147	89	10000	133	76	10000	229	69	10000
10000	151	78	10000	120	60	10000	339	57	10000
10000	162	51	10000	97	64	10000	342	63	10000
10000	202	91	10000	118	75	10000	372	86	10000

Apoptosis_	MC_1 pS9	TC_1 pS9	Apoptosis_	MC_1 mS9	TC_1 mS9	Apoptosis_	MC_4 pS9	TC_4 pS9	Apoptosis_
46	135	10000	647	132	10000	268	135	10000	647
42	116	10000	748	106	10000	107	116	10000	748
34	165	10000	832	99	10000	63	165	10000	832
41	160	10000	567	106	10000	140	160	10000	567
47	149	10000	502	116	10000	109	149	10000	502
54	121	2884	1675	387	10000	193	121	2884	1675
67	82	2964	1397	253	10000	101	82	2964	1397
74	160	10000	833	159	10000	138	160	10000	833
84	140	10000	894	121	6010	727	159	10000	404
64	190	10000	384	70	3335	866	178	10000	497
39				95	10000	274	142	10000	461
58	240	10000	432	77	10000	521	134	10000	371
54	194	10000	392	114	6793	344	152	10000	503
78	211	10000	598	73	10000	154	169	10000	297
41	143	10000	429	121	10000	98	135	10000	367
41	178	10000	537	108	10000	108	140	10000	452
111	209	10000	257	69	3395	611	101	8140	532
144	125	10000	446	128	10000	157	186	10000	591
119	118	10000	272	102	10000	99	122	10000	589
52	171	10000	276	96	10000	205			
69	215	10000	432	152	10000	377	134	6013	703
64	210	10000	558	113	10000	464	210	10000	489
85	249	10000	499	71	5190	208	152	10000	356
80	489	8550	646	56	8085	530	165	10000	361

MC_4 mS9	TC_4 mS9	Apoptosis_	MC_10 pS9	TC_10 pS9	Apoptosis_	MC_10 mS	TC_10 mS9	Apoptosis_	MC_15 pS9
132	10000	268	108	10000	79	241	10000	59	111
106	10000	107	136	10000	65	153	10000	33	90
99	10000	63	241	10000	99	189	10000	69	97
106	10000	140	109	10000	76	111	10000	60	156
116	10000	109	164	10000	138	234	10000	79	188
387	10000	193	166	10000	234	158	10000	71	171
253	10000	101	203	10000	116	168	10000	62	125
159	10000	138	148	10000	175	171	10000	60	162
35	3179	1652	90	10000	114	95	10000	53	168
93	7085	118	76	6931	79	63	7431	34	111
128	7657	139	91	7345	72	107	10000	36	99
71	6441	169	118	6753	42	69	10000	46	134
132	6799	137	119	10000	129	109	10000	46	129
89	4239	116	27	1132	70	126	10000	45	115
126	10000	155	92	5356	44	169	9396	64	168
84	9778	153	93	5806	89	120	10000	34	172
41	5733	99	92	6621	62	130	10000	55	209
104	8209	66	134	7285	178	96	10000	43	170
112	9761	174	99	6347	82	136	10000	56	190
80	7642	477	85	5027	61	126	9311	47	130
64	8823	180	108	6221	125	112	4016	101	286
82	8114	357	62	4455	101	71	5618	159	210
61	5146	503	122	8693	163	87	8062	165	178
60	4158	319	107	6305	124	50	4388	145	134

TC_15 pS9	Apoptosis_	MC_15 mS	TC_15 mS9	Apoptosis_	MC_19 pS9	TC_19 pS9	Apoptosis_	MC_19 mS	TC_19 mS9
10000	352	111	10000	127	111	10000	352	111	10000
10000	351	128	10000	173	90	10000	351	128	10000
10000	214	93	10000	164	97	10000	214	93	10000
10000	267	105	10000	199	156	10000	267	105	10000
10000	422	111	10000	99	188	10000	422	111	10000
10000	351	117	10000	116	171	10000	351	117	10000
10000	399	111	10000	96	125	10000	399	111	10000
10000	318	189	10000	169	162	10000	318	189	10000
10000	94	118	10000	87	124	10000	281	129	10000
10000	101	88	10000	201	118	10000	408	74	10000
10000	115	107	10000	209	123	10000	440	85	10000
10000	184	106	10000	208	163	10000	359	99	10000
10000	147	142	10000	158	187	10000	183	124	10000
10000	119	90	10000	752	124	10000	294	152	10000
10000	212	121	10000	179	164	10000	288	146	10000
10000	139	106	10000	320	125	10000	161	110	10000
10000	213	132	10000	157	176	10000	431	135	10000
10000	170	100	10000	173	88	3775	148	150	10000
10000	254	218	10000	100	160	10000	455	147	10000
10000	151	102	10000	231	119	10000	452	130	8776
10000	266	141	10000	132	133	10000	422	126	10000
10000	207	157	10000	149	232	10000	500	174	10000
10000	227	130	10000	111	211	10000	515	171	10000
10000	225	128	10000	115	101	10000	309	127	10000

Apoptosis_	MC_20 pS9	TC_20 pS9	Apoptosis_	MC_20 mS	TC_20 mS9	Apoptosis_	MC_21 pS9	TC_21 pS9	Apoptosis_
127	129	10000	25	86	10000	82	206	10000	1136
173	160	4765	27	106	7675	55	200	10000	2234
164	99	10000	23	199	9049	137	210	10000	1786
199	117	10000	39	111	7806	58	129	10000	1660
99	178	10000	55	132	8710	46	216	10000	2130
116	138	10000	47	135	8301	48	230	10000	2259
96	185	10000	143	199	8566	53	220	10000	2411
169	132	6934	188	113	6236	59	287	10000	4179
116	177	9468	35	164	7460	80	369	10000	1454
142	206	10000	98	137	8126	53	168	10000	793
180	120	10000	22	120	7854	90	154	10000	686
223	131	10000	49	115	7882	97	140	10000	1358
110	246	10000	55	69	5574	71	185	10000	772
189	166	10000	63	73	4926	70	176	10000	595
766	188	10000	58	83	4631	61	194	10000	387
165	106	8198	86	42	4577	52	218	10000	1150
210	66	4350	53	109	7081	93	236	10000	644
314	83	7952	103	49	6321	119	175	10000	793
303	104	7471	67	59	4703	87	252	10000	573
420	110	9091	78	37	4799	127	167	10000	1705
235	35	3044	28	103	7134	147	142	4891	431
132	73	4987	46	74	5870	127	270	10000	850
152	136	10000	61	84	4791	56	205	10000	1289
134	127	7365	54	45	4526	87	172	10000	1301

MC_21 mS	TC_21 mS9	Apoptosis_	MC_26 pS9	TC_26 pS9	Apoptosis_	MC_26 mS	TC_26 mS9	Apoptosis_	MC_41 pS9
102	10000	79	206	10000	1136	105	10000	79	109
77	10000	95	200	10000	2234	90	10000	67	163
73	10000	59	210	10000	1786	77	10000	36	182
97	10000	88	129	10000	1660	82	10000	50	103
98	10000	55	216	10000	2130	74	10000	52	195
113	10000	88	230	10000	2259	99	10000	38	288
97	10000	75	220	10000	2411	100	10000	41	227
187	10000	63	287	10000	4179	143	10000	56	126
72	10000	135	212	10000	698	154	10000	76	43
102	10000	178	237	10000	1111	97	10000	70	74
60	10000	144	227	10000	603	148	10000	77	59
111	10000	177	211	10000	878	183	10000	70	128
58	10000	165	190	10000	982	124	10000	58	112
80	10000	127	191	10000	913	75	10000	80	118
84	10000	145	172	10000	785	71	10000	64	71
76	10000	104	159	10000	1060	69	10000	53	127
76	10000	206	110	5130	848	157	10000	67	22
117	10000	142	122	8622	1116	83	10000	86	60
66	10000	244	122	10000	649	54	10000	52	53
82	10000	130	136	10000	1024	62	10000	73	112
68	10000	183	84	4032	758	156	10000	146	
77	10000	146	206	9531	963	106	10000	86	56
74	10000	133	146	10000	1040	74	10000	80	57
99	10000	114	168	10000	871	73	10000	100	47

TC_41 pS9	Apoptosis_	MC_41 mS	TC_41 mS9	Apoptosis_	MC_54 pS9	TC_54 pS9	Apoptosis_	MC_54 mS	TC_54 mS9
8555	442	80	3078	76	109	8555	442	80	3078
10000	626	153	3714	108	163	10000	626	153	3714
7648	514	93	3637	101	182	7648	514	93	3637
7850	404	117	3743	114	103	7850	404	117	3743
7590	518	244	3100	128	195	7590	518	244	3100
8705	464	319	3497	199	288	8705	464	319	3497
7911	421	220	3456	213	227	7911	421	220	3456
5720	378	279	2676	201	126	5720	378	279	2676
1168	85	103	3526	137	27	1135	114	58	2828
3023	129	92	3658	191	58	4400	239	66	4410
2222	143	102	2862	115	120	7382	100	117	4221
7548	190	65	3546	160	86	6247	71	98	2926
6910	139	119	4426	160	10	1109	83	135	6518
4639	184	53	2198	228	92	7168	176		
4765	150	56	2427	150	89	5317	97	109	4354
6233	247	54	1692	109	124	7230	141	70	3632
1388	178	79	4052	282	23	1704	92	100	4261
3049	189	72	4060	725	39	2954	252	67	4038
4692	89	46	2018	578	51	3931	89	55	2851
4884	101	67	2354	264	50	4124	195	31	1905
		81	4890	326	119	8092	219	29	1448
2932	222	41	1917	1686	75	4061	98		
2870	110	37	1586	626	68	5172	48		
3744	123	26	1055	761	38	1670	82		

Apoptosis_	MC_61 pS9	TC_61 pS9	Apoptosis_	MC_61 mS	TC_61 mS9	Apoptosis_	MC_63 pS9	TC_63 pS9	Apoptosis_
76	81	10000	196	102	10000	79	81	10000	196
108	61	10000	253	77	10000	95	61	10000	253
101	59	10000	202	73	10000	59	59	10000	202
114	62	10000	268	97	10000	88	62	10000	268
128	188	10004	558	98	10000	55	188	10004	558
199	104	10000	487	113	10000	88	104	10000	487
213	167	10000	370	97	10000	75	167	10000	370
201	189	10000	333	187	10000	63	189	10000	333
133	48	10000	151	76	10000	120	90	10000	109
248	53	10000	90	82	10000	106	68	10000	119
159	66	10000	132	100	10000	91	56	10000	123
116	65	10000	122	150	10000	65	55	10000	132
127	41	10000	89	81	10000	80	89	10000	140
	61	10000	125	72	10000	104	63	10000	148
217	69	10000	143	82	10000	116	61	10000	121
301	69	10000	132	117	10000	109	59	10000	121
133	71	10000	298	77	10000	225	111	10000	562
510	50	10000	414	69	10000	124	132	10000	281
227	93	10000	548	97	10000	119	108	10000	369
631	80	10000	216	120	10000	97	110	10000	467
663	76	10000	252	101	9656	230	39	10000	463
	119	10000	575	86	10000	168	86	10000	343
	84	10000	393	85	10000	133	86	10000	588
	73	10000	326	123	10000	164	176	10000	324

MC_63 mS	TC_63 mS9	Apoptosis_	MC_66 pS9	TC_66 pS9	Apoptosis_	MC_66 mS	TC_66 mS9	Apoptosis_	MC_70 pS9
102	10000	79	145	10000	284	86	10000	82	145
77	10000	95	183	7787	322	106	7675	55	183
73	10000	59	181	10000	358	199	9049	137	181
97	10000	88	114	9579	379	111	7806	58	114
98	10000	55	147	5953	267	132	8710	46	147
113	10000	88	115	6573	272	135	8301	48	115
97	10000	75	310	7230	264	199	8566	53	310
187	10000	63	194	5497	162	113	6236	59	194
129	10000	111	107	5704	56	104	5190	46	109
108	10000	83	57	5502	72	85	6330	46	71
92	10000	146	180	8309	115	108	7386	41	65
79	10000	145	121	5183	146	127	8693	74	77
85	10000	130	18	4698	174	53	6041	28	66
84	10000	101	42	5206	165	70	5763	57	67
94	10000	126	67	4426	78	135	5781	116	74
68	7643	114	84	5910	138	124	4752	67	75
50	4442	134	90	5617	102	100	5873	56	97
76	10000	146	47	5527	83	105	6731	51	100
85	10000	107	64	6760	102	106	4931	47	94
95	10000	130	83	7379	100	54	3469	53	47
68	9726	280	49	3804	65	52	4251	137	61
59	10000	229	47	4480	241	67	5060	92	48
88	10000	213	101	5902	109	77	5817	125	35
178	10000	211	89	5208	105	136	6835	130	68

TC_70 pS9	Apoptosis_	MC_70 mS	TC_70 mS9	Apoptosis_	MC_71 pS9	TC_71 pS9	Apoptosis_	MC_71 mS	TC_71 mS9
10000	284	86	10000	82	75	2709	166	214	10000
7787	322	106	7675	55	116	7509	240	198	10000
10000	358	199	9049	137	73	3490	459	289	10000
9579	379	111	7806	58	147	8374	359	227	10000
5953	267	132	8710	46	128	3545	548	270	10000
6573	272	135	8301	48	70	3234	534	246	10000
7230	264	199	8566	53	114	3610	576	283	10000
5497	162	113	6236	59	167	5675	653	250	10000
9868	294	128	7614	69	68	10000	293	227	5169
7465	194	56	6176	49	78	10000	207	133	10000
7294	154	58	6540	92	59	10000	179	108	10000
8964	132	23	4627	37	36	5889	135	109	10000
8558	244	96	9447	108	147	9541	272	156	10000
9360	305	67	8295	163	89	8104	164	116	10000
9878	339	57	6021	82				173	10000
9495	225	76	9366	122	18	1147	297	76	10000
9729	268	77	8179	154	67	4468	424	89	3214
8437	229	106	7852	245	67	6835	527	154	10000
8644	237	169	8375	215	69	6429	558	233	10000
8925	627	75	7716	212	91	7825	761	169	10000
5410	180	63	5082	85	17	2555	528	322	9590
5904	86	52	5385	81	17	1716	854	267	10000
5361	66	126	6663	92	37	2383	717	166	10000
7346	114	120	7017	130	45	4850	161	127	10000

Apoptosis_	MC_75 pS9	TC_75 pS9	Apoptosis_	MC_75 mS	TC_75 mS9	Apoptosis_	MC_80 pS9	TC_80 pS9	Apoptosis_
67	75	2709	166	162	10000	200	208	10000	196
39	116	7509	240	163	10000	206	145	10000	236
75	73	3490	459	140	10000	36	144	10000	272
48	147	8374	359	115	10000	54	191	10000	285
79	128	3545	548	167	10000	77	290	10000	581
28	70	3234	534	405	10000	230	348	10000	329
44	114	3610	576	172	10000	66	308	10000	348
69	167	5675	653	193	10000	107	244	10000	992
98	152	10000	301	172	10000	74	258	10000	288
92	138	5510	218	191	10000	71	232	10000	240
92	125	5607	136	130	10000	91	205	10000	393
110	134	8032	348	123	10000	68	111	10000	372
198	144	10000	280	207	10000	139	304	10000	226
99	138	5926	247	144	10000	101	161	10000	235
160	124	7386	485	210	10000	129	177	10000	249
79	99	4330	229	149	10000	145	81	10000	368
65	157	10000	415	152	10000	85	266	10000	442
230	137	8229	528	161	10000	141	171	10000	374
263	97	6805	815	108	10000	222	131	10000	492
330	101	5124	718	131	10000	123	111	10000	830
158	151	10000	217	251	10000	210	228	10000	535
259	46	3645	252	147	10000	175	95	10000	579
126	67	4280	401	166	10000	169	97	10000	699
114	36	1631	378	146	10000	188	81	10000	704

MC_80 mS	TC_80 mS9	Apoptosis_	MC_86 pS9	TC_86 pS9	Apoptosis_	MC_86 mS	TC_86 mS9	Apoptosis_	MC_117 pS
105	10000	79	208	10000	196	105	10000	79	65
90	10000	67	145	10000	236	90	10000	67	78
77	10000	36	144	10000	272	77	10000	36	99
82	10000	50	191	10000	285	82	10000	50	82
74	10000	52	290	10000	581	74	10000	52	84
99	10000	38	348	10000	329	99	10000	38	114
100	10000	41	308	10000	348	100	10000	41	100
143	10000	56	244	10000	992	143	10000	56	100
76	10000	73	288	10000	323	116	10000	109	60
78	10000	85	251	10000	308	83	10000	84	39
55	10000	52	143	10000	340	83	10000	125	66
46	10000	62	92	10000	406	50	10000	94	98
98	10000	105	185	10000	318	156	10000	126	53
63	10000	59	158	10000	257	66	10000	77	56
64	10000	98	155	10000	262	49	10000	55	76
81	10000	111	112	10000	338	31	10000	81	68
74	10000	134	173	10000	348	117	10000	144	97
67	10000	92	249	10000	355	89	10000	99	70
55	10000	80	135	10000	575	62	10000	107	87
35	10000	81	109	10000	561	46	10000	106	108
98	10000	125	331	10000	598	111	10000	128	87
50	10000	130	178	10000	423	71	10000	139	91
50	10000	93	120	10000	421	43	10000	87	111
45	10000	119	110	10000	360	37	10000	210	110

TC_117 pS	Apoptosis_	MC_117 m	TC_117 mS	Apoptosis_	MC_119 pS	TC_119 pS	Apoptosis_	MC_119 m	TC_119 mS
10000	231	77	10000	46	65	10000	231	77	10000
10000	143	81	10000	42	78	10000	143	81	10000
10000	144	96	10000	34	99	10000	144	96	10000
10000	133	77	10000	41	82	10000	133	77	10000
10000	214	113	10000	47	84	10000	214	113	10000
10000	132	132	10000	54	114	10000	132	132	10000
10000	232	120	10000	67	100	10000	232	120	10000
10000	207	103	10000	74	100	10000	207	103	10000
10000	60	77	10000	80	92	10000	141	75	10000
10000	118	70	10000	54	97	10000	97	85	10000
10000	131	79	10000	65	62	10000	114	88	10000
10000	135	119	10000	70	67	10000	125	111	10000
10000	223	78	10000	81	56	10000	147	65	10000
10000	185	60	10000	68	73	10000	192	57	10000
10000	154	86	10000	99	63	10000	110	91	10000
10000	261	88	10000	124	87	10000	204	89	10000
10000	287	89	10000	137	69	10000	326	67	10000
10000	158	85	10000	89	76	10000	299	82	10000
10000	264	118	10000	93	80	10000	425	77	10000
10000	253	113	10000	112	80	10000	193	93	10000
10000	317	111	10000	107	94	10000	296	79	10000
10000	227	117	10000	63	71	10000	165	98	10000
10000	183	137	10000	131	93	10000	252	66	10000
10020	334	172	10000	110	98	10005	178	98	10000

Apoptosis_119 mS9
46
42
34
41
47
54
67
74
65
38
50
128
79
44
76
69
70
84
123
114
136
121
76
127

Cigarillos

Sequence	3 +S9	3 +S9	3 +S9	3 +S9	3 +S9	3 +S9	3 +S9	3 -S9	3 -S9
Date	20160829	20160829	20160829	20160829	20160829	20160829	20160829	20160829	20160829
Dose	TC_3 +S9	SC_3 +S9	LC_3 +S9	FC_3 +S9	P_3 +S9	N_3 +S9	F_3 +S9	TC_3 -S9	SC_3 -S9
Vehicle Cor	16	12	4	0	75	21	0	13	7
Vehicle Cor	9	8	1	0	78	18	0	11	6
Positive Co	14	11	3	0	35	61	0	24	17
Positive Co	14	11	3	0	31	65	0	25	18
0.125mg/m	7	6	1	0	58	38	0	12	8
0.125mg/m	15	10	5	0	59	37	0	12	6
0.0625mg/	15	11	4	0	71	25	0	16	11
0.0625mg/	13	10	3	0	63	33	0	12	9
0.03125mg	16	13	3	0	70	26	0	18	12
0.03125mg	11	8	3	0	69	27	0	9	7
0.015625m	10	7	3	0	60	36	0	7	3
0.015625m	8	7	1	0	63	33	0	5	5

Abbreviations
TC: Number of total colonies
SC: Number of small colonies <25% well diameter
LC: Number of large colonies > 25% well diameter
FC: Number of failed wells
P: Number of viability positive wells
N: Number of viability negative wells
F: Number of viability failed cells

3 -S9 20160829 LC_3 -S9	3 -S9 20160829 FC_3 -S9	3 -S9 20160829 P_3 -S9	3 -S9 20160829 N_3 -S9	3 -S9 20160829 F_3 -S9	11 +S9 20160308 TC_11 +S9	11 +S9 20160308 SC_11 +S9	11 +S9 20160308 LC_11 +S9	11 +S9 20160308 FC_11 +S9	11 +S9 20160308 P_11 +S9
6	0	78	18	0	9	6	3	0	53
5	0	73	23	0	8	7	1	0	61
7	0	58	38	0	26	15	11	0	28
7	0	49	47	0	22	11	11	0	30
4	0	63	33	0	23	15	8	0	42
6	0	70	26	0	20	13	7	0	59
5	0	75	21	0	17	10	7	0	38
3	0	74	22	0	14	9	5	0	46
6	0	65	31	0	10	4	6	0	49
2	0	69	27	0	15	10	5	0	52
4	0	58	38	0	13	8	5	0	54
0	0	65	31	0	10	7	3	0	49

11 +S9 20160308 N_11 +S9	11 +S9 20160308 F_11 +S9	11 -S9 20160308 TC_11 -S9	11 -S9 20160308 SC_11 -S9	11 -S9 20160308 LC_11 -S9	11 -S9 20160308 FC_11 -S9	11 -S9 20160308 P_11 -S9	11 -S9 20160308 N_11 -S9	11 -S9 20160308 F_11 -S9	13 +S9 20160328 TC_13 +S9
43	0	10	6	4	0	52	44	0	5
35	0	11	9	2	0	58	38	0	8
68	0	17	7	10	0	15	81	0	21
66	0	19	13	6	0	12	84	0	26
54	0	22	10	12	0	24	72	0	11
37	0	19	13	6	0	30	66	0	14
58	0	17	9	8	0	32	64	0	10
50	0	21	14	7	0	40	56	0	10
47	0	19	13	6	0	46	50	0	8
44	0	14	7	7	0	51	45	0	7
42	0	24	17	7	0	61	35	0	5
47	0	16	9	7	0	60	36	0	5

13 +S9 20160328 SC_13 +S9	13 +S9 20160328 LC_13 +S9	13 +S9 20160328 FC_13 +S9	13 +S9 20160328 P_13 +S9	13 +S9 20160328 N_13 +S9	13 +S9 20160328 F_13 +S9	13 -S9 20160328 TC_13 -S9	13 -S9 20160328 SC_13 -S9	13 -S9 20160328 LC_13 -S9	13 -S9 20160328 FC_13 -S9
2	3	0	66	30	0	5	4	1	0
4	4	0	66	30	0	7	3	4	0
15	6	0	47	49	0	37	28	9	0
18	8	0	53	43	0	33	27	6	0
9	2	0	44	52	0	18	16	2	0
11	3	0	48	48	0	15	13	2	0
10	0	0	50	46	0	16	12	4	0
8	2	0	58	38	0	6	4	2	0
5	3	0	64	32	0	9	3	6	0
4	3	0	54	42	0	13	9	4	0
4	1	0	57	39	0	7	4	3	0
3	2	0	65	31	0	10	7	3	0

13 -S9 20160328 P_13 -S9	13 -S9 20160328 N_13 -S9	13 -S9 20160328 F_13 -S9	27 +S9 20160329 TC_27 +S9	27 +S9 20160329 SC_27 +S9	27 +S9 20160329 LC_27 +S9	27 +S9 20160329 FC_27 +S9	27 +S9 20160329 P_27 +S9	27 +S9 20160329 N_27 +S9	27 +S9 20160329 F_27 +S9
49	47	0	14	8	6	0	53	42	1
55	41	0	11	4	7	0	51	45	0
29	67	0	32	25	7	3	53	43	0
31	65	0	47	40	7	0	51	45	0
21	75	0	17	15	2	1	51	45	0
25	71	0	15	13	2	0	57	39	0
67	29	0	16	11	5	0	62	34	0
65	31	0	13	9	4	0	56	40	0
57	39	0	10	9	1	0	65	31	0
67	29	0	12	9	3	0	65	31	0
57	39	0	9	7	2	0	46	50	0
58	38	0	7	5	2	0	50	46	0

27 -S9 20160329 TC_27 -S9	27 -S9 20160329 SC_27 -S9	27 -S9 20160329 LC_27 -S9	27 -S9 20160329 FC_27 -S9	27 -S9 20160329 P_27 -S9	27 -S9 20160329 N_27 -S9	27 -S9 20160329 F_27 -S9	30 +S9 20160412 TC_30 +S9	30 +S9 20160412 SC_30 +S9	30 +S9 20160412 LC_30 +S9
10	6	4	0	71	25	0	6	5	1
12	8	4	0	60	36	0	11	9	2
40	29	11	0	39	57	0	1	1	0
36	30	6	0	36	60	0	2	2	0
16	13	3	0	42	54	0	7	7	0
25	22	3	0	45	51	0	8	6	2
19	16	3	0	60	36	0	14	12	2
18	13	5	0	54	42	0	20	19	1
13	12	1	0	64	32	0	14	12	2
27	24	3	0	69	27	0	18	17	1
5	3	2	0	57	39	0	10	8	2
10	8	2	0	63	33	0	6	4	2

30 +S9 20160412 FC_30 +S9	30 +S9 20160412 P_30 +S9	30 +S9 20160412 N_30 +S9	30 +S9 20160412 F_30 +S9	30 -S9 20160412 TC_30 -S9	30 -S9 20160412 SC_30 -S9	30 -S9 20160412 LC_30 -S9	30 -S9 20160412 FC_30 -S9	30 -S9 20160412 P_30 -S9	30 -S9 20160412 N_30 -S9
0	40	56	0	7	7	0	0	45	51
0	41	55	0	10	8	2	0	54	42
0	3	93	0	14	13	1	0	24	72
0	7	89	0	22	18	4	0	20	76
0	13	83	0	16	14	2	0	28	68
0	14	82	0	13	11	2	0	50	46
0	47	49	0	7	5	2	0	37	59
0	44	52	0	9	8	1	0	49	47
0	42	54	0	11	9	2	0	33	63
0	37	59	0	3	3	0	0	51	45
0	48	48	0	8	7	1	0	29	67
1	42	54	0	9	7	2	0	39	57

30 -S9	42 +S9	42 +S9	42 +S9	42 +S9	42 +S9	42 +S9	42 +S9	42 -S9	42 -S9
20160412	20160412	20160412	20160412	20160412	20160412	20160412	20160412	20160412	20160412
F_30 -S9	TC_42 +S9	SC_42 +S9	LC_42 +S9	FC_42 +S9	P_42 +S9	N_42 +S9	F_42 +S9	TC_42 -S9	SC_42 -S9
0	6	5	1	0	40	56	0	7	7
0	11	9	2	0	41	55	0	10	8
0	1	1	0	0	3	93	0	14	13
0	2	2	0	0	7	89	0	22	18
0	6	5	1	0	17	79	0	9	5
0	7	6	1	0	11	85	0	14	12
0	12	11	1	0	49	47	0	12	8
0	18	17	1	0	46	50	0	8	6
0	9	6	3	0	43	53	0	13	10
0	6	5	1	0	42	54	0	13	7
0	13	12	1	0	46	50	0	8	5
0	11	10	1	0	43	53	0	14	14

42 -S9	42 -S9	42 -S9	42 -S9	42 -S9	43 +S9	43 +S9	43 +S9	43 +S9	43 +S9
20160412	20160412	20160412	20160412	20160412	20160830	20160830	20160830	20160830	20160830
LC_42 -S9	FC_42 -S9	P_42 -S9	N_42 -S9	F_42 -S9	TC_43 +S9	SC_43 +S9	LC_43 +S9	FC_43 +S9	P_43 +S9
0	0	45	51	0	2	1	1	0	60
2	0	54	42	0	8	4	4	0	62
1	0	24	72	0	26	21	5	0	48
4	0	20	76	0	27	18	9	0	40
4	0	21	75	0	14	10	4	0	49
2	0	16	80	0	13	10	3	0	39
4	0	59	37	0	7	4	3	0	63
2	0	54	42	0	6	3	3	0	51
3	0	57	39	0	10	4	6	0	63
6	0	52	44	0	7	4	3	0	71
3	0	50	46	0	10	7	3	0	67
0	0	62	34	0	6	4	2	0	76

43 +S9 20160830 N_43 +S9	43 +S9 20160830 F_43 +S9	43 -S9 20160830 TC_43 -S9	43 -S9 20160830 SC_43 -S9	43 -S9 20160830 LC_43 -S9	43 -S9 20160830 FC_43 -S9	43 -S9 20160830 P_43 -S9	43 -S9 20160830 N_43 -S9	43 -S9 20160830 F_43 -S9	44 +S9 20160830 TC_44 +S9
36	0	7	4	3	0	60	36	0	2
34	0	7	5	2	0	70	26	0	8
48	0	16	10	6	0	53	43	0	26
56	0	23	18	5	0	61	35	0	27
47	0	17	13	4	0	64	32	0	11
57	0	21	17	4	0	68	28	0	15
33	0	5	5	0	0	60	36	0	9
45	0	10	9	1	0	68	28	0	10
33	0	6	6	0	0	63	33	0	9
25	0	7	2	5	0	65	31	0	9
29	0	14	12	2	0	76	20	0	11
20	0	9	8	1	0	69	27	0	3

44 +S9 20160830 SC_44 +S9	44 +S9 20160830 LC_44 +S9	44 +S9 20160830 FC_44 +S9	44 +S9 20160830 P_44 +S9	44 +S9 20160830 N_44 +S9	44 +S9 20160830 F_44 +S9	44 -S9 20160830 TC_44 -S9	44 -S9 20160830 SC_44 -S9	44 -S9 20160830 LC_44 -S9	44 -S9 20160830 FC_44 -S9
1	1	0	60	36	0	7	4	3	0
4	4	0	62	34	0	7	5	2	0
21	5	0	48	48	0	16	10	6	0
18	9	0	40	56	0	23	18	5	0
11	0	0	60	36	0	14	8	6	0
8	7	0	52	44	0	12	10	2	0
4	5	0	66	30	0	11	10	1	0
7	3	0	64	32	0	13	11	2	0
7	2	0	53	43	0	9	7	2	0
5	4	0	55	41	0	3	2	1	0
11	0	0	62	34	0	8	5	3	0
1	2	0	72	24	0	13	11	2	0

44 -S9	44 -S9	44 -S9	47 +S9	47 +S9	47 +S9	47 +S9	47 +S9	47 +S9	47 +S9
20160830	20160830	20160830	20160622	20160622	20160622	20160622	20160622	20160622	20160622
P_44 -S9	N_44 -S9	F_44 -S9	TC_47 +S9	SC_47 +S9	LC_47 +S9	FC_47 +S9	P_47 +S9	N_47 +S9	F_47 +S9
60	36	0	11	8	3	0	46	50	0
70	26	0	13	10	3	0	41	55	0
53	43	0	29	28	1	0	44	52	0
61	35	0	24	23	1	0	40	56	0
65	31	0	18	17	1	0	62	34	0
58	38	0	19	17	2	0	60	36	0
67	29	0	11	11	0	0	45	51	0
70	26	0	6	6	0	0	52	44	0
63	33	0	7	3	4	0	46	50	0
70	26	0	13	13	0	0	55	41	0
67	29	0	10	5	5	0	52	44	0
60	36	0	9	7	2	0	45	51	0

47 -S9 20160622 TC_47 -S9	47 -S9 20160622 SC_47 -S9	47 -S9 20160622 LC_47 -S9	47 -S9 20160622 FC_47 -S9	47 -S9 20160622 P_47 -S9	47 -S9 20160622 N_47 -S9	47 -S9 20160622 F_47 -S9	51 +S9 20160622 TC_51 +S9	51 +S9 20160622 SC_51 +S9	51 +S9 20160622 LC_51 +S9
11	8	3	0	58	38	0	11	8	3
8	3	5	0	47	49	0	13	10	3
20	18	2	0	35	61	0	29	28	1
33	31	2	0	44	52	0	24	23	1
12	9	3	0	43	53	0	21	16	5
14	12	2	0	44	52	0	21	20	1
9	8	1	0	45	51	0	7	7	0
12	12	0	0	43	53	0	7	6	1
7	7	0	0	43	53	0	10	8	2
8	6	2	0	51	45	0	15	14	1
7	6	1	0	41	55	0	9	9	0
8	8	0	0	47	49	0	6	5	1

51 +S9 20160622 FC_51 +S9	51 +S9 20160622 P_51 +S9	51 +S9 20160622 N_51 +S9	51 +S9 20160622 F_51 +S9	51 -S9 20160622 TC_51 -S9	51 -S9 20160622 SC_51 -S9	51 -S9 20160622 LC_51 -S9	51 -S9 20160622 FC_51 -S9	51 -S9 20160622 P_51 -S9	51 -S9 20160622 N_51 -S9
0	46	50	0	11	8	3	0	58	38
0	41	55	0	8	3	5	0	47	49
0	44	52	0	20	18	2	0	35	61
0	40	56	0	33	31	2	0	44	52
0	56	40	0	10	6	4	0	47	49
0	63	33	0	9	7	2	0	40	56
0	45	51	0	9	5	4	0	48	48
0	43	53	0	14	12	2	0	37	59
0	48	48	0	12	10	2	0	47	49
0	45	51	0	4	4	0	0	56	40
9	44	52	0	8	8	0	0	35	61
0	43	53	0	8	6	2	0	42	54

51 -S9	59 +S9	59 +S9	59 +S9	59 +S9	59 +S9	59 +S9	59 +S9	59 -S9	59 -S9
20160622	20160523	20160523	20160523	20160523	20160523	20160523	20160523	20160523	20160523
F_51 -S9	TC_59 +S9	SC_59 +S9	LC_59 +S9	FC_59 +S9	P_59 +S9	N_59 +S9	F_59 +S9	TC_59 -S9	SC_59 -S9
0	7	5	2	0	40	56	0	7	5
0	5	5	0	0	46	50	0	2	1
0	22	21	1	0	40	56	0	39	38
0	20	19	1	0	31	65	0	37	34
0	14	11	3	0	59	37	0	17	16
0	10	7	3	0	57	39	0	13	13
0	12	10	2	0	50	46	0	8	7
0	5	4	1	0	63	33	0	14	13
0	7	7	0	0	61	35	0	8	5
0	5	3	2	0	62	34	0	7	5
0	4	4	0	0	53	43	0	10	9
0	7	7	0	0	53	43	0	5	4

59 -S9	59 -S9	59 -S9	59 -S9	59 -S9	74 +S9	74 +S9	74 +S9	74 +S9	74 +S9
20160523	20160523	20160523	20160523	20160523	20160524	20160524	20160524	20160524	20160524
LC_59 -S9	FC_59 -S9	P_59 -S9	N_59 -S9	F_59 -S9	TC_74 +S9	SC_74 +S9	LC_74 +S9	FC_74 +S9	P_74 +S9
2	0	44	52	0	11	9	2	1	39
1	0	50	46	0	11	9	2	0	45
1	0	36	60	0	5	5	0	0	8
3	0	37	59	0	6	6	0	0	7
1	0	48	48	0	22	22	0	0	35
0	0	64	32	0	14	14	0	0	40
1	0	55	41	0	13	13	0	0	40
1	0	52	44	0	20	20	0	0	36
3	0	57	39	0	22	21	1	0	60
2	0	57	39	0	25	23	2	1	57
1	0	51	45	0	13	13	0	0	44
1	0	56	40	0	16	11	5	0	40

74 +S9	74 +S9	74 -S9	74 -S9	74 -S9	74 -S9	74 -S9	74 -S9	74 -S9	77 +S9
20160524	20160524	20160524	20160524	20160524	20160524	20160524	20160524	20160524	20160927
N_74 +S9	F_74 +S9	TC_74 -S9	SC_74 -S9	LC_74 -S9	FC_74 -S9	P_74 -S9	N_74 -S9	F_74 -S9	TC_77 +S9
57	0	7	3	4	0	43	53	0	6
51	0	10	3	7	0	46	50	0	10
88	0	28	27	1	0	25	71	0	39
89	0	27	26	1	0	23	73	0	31
61	0	31	27	4	0	52	44	0	21
55	1	23	22	1	0	53	43	0	17
56	0	12	11	1	0	53	43	0	13
60	0	9	9	0	0	56	40	0	12
36	0	14	12	2	0	63	33	0	8
39	0	21	18	3	0	79	17	0	9
51	1	16	13	3	0	52	44	0	19
56	0	15	14	1	0	56	40	0	17

77 +S9 20160927 SC_77 +S9	77 +S9 20160927 LC_77 +S9	77 +S9 20160927 FC_77 +S9	77 +S9 20160927 P_77 +S9	77 +S9 20160927 N_77 +S9	77 +S9 20160927 F_77 +S9	77 -S9 20160927 TC_77 -S9	77 -S9 20160927 SC_77 -S9	77 -S9 20160927 LC_77 -S9	77 -S9 20160927 FC_77 -S9
2	4	0	59	37	0	12	9	3	0
6	4	0	68	28	0	9	5	4	0
39	0	0	67	29	0	37	34	3	0
30	1	0	60	36	0	28	24	4	0
11	10	0	61	35	0	24	16	8	0
12	5	0	64	32	0	28	20	8	0
11	2	0	65	31	0	19	16	3	0
9	3	0	65	31	0	17	14	3	0
6	2	0	58	38	0	19	14	5	0
5	4	0	53	43	0	12	7	5	0
13	6	0	60	36	0	14	11	3	0
13	4	0	68	28	0	19	8	11	0

77 -S9 20160927 P_77 -S9	77 -S9 20160927 N_77 -S9	77 -S9 20160927 F_77 -S9	79 +S9 20161003 TC_79 +S9	79 +S9 20161003 SC_79 +S9	79 +S9 20161003 LC_79 +S9	79 +S9 20161003 FC_79 +S9	79 +S9 20161003 P_79 +S9	79 +S9 20161003 N_79 +S9	79 +S9 20161003 F_79 +S9
69	27	0	16	12	4	0	79	17	0
66	30	0	18	15	3	0	70	26	0
49	47	0	16	13	3	0	52	44	0
56	40	0	22	19	3	0	53	43	0
66	30	0	26	24	2	0	65	31	0
61	35	0	28	22	6	0	66	30	0
67	29	0	22	18	4	0	67	29	0
68	28	0	24	22	2	0	71	25	0
68	28	0	13	10	3	0	74	22	0
67	29	0	15	12	3	0	76	20	0
68	28	0	10	9	1	0	65	31	0
68	28	0	12	9	3	0	57	39	0

79 -S9	79 -S9	79 -S9	79 -S9	79 -S9	79 -S9	79 -S9	88 +S9	88 +S9	88 +S9
20161003	20161003	20161003	20161003	20161003	20161003	20161003	20161004	20161004	20161004
TC_79 -S9	SC_79 -S9	LC_79 -S9	FC_79 -S9	P_79 -S9	N_79 -S9	F_79 -S9	TC_88 +S9	SC_88 +S9	LC_88 +S9
16	8	8	0	64	32	0	15	10	5
19	12	7	0	68	28	0	16	10	6
23	21	2	0	39	57	0	30	27	3
19	19	0	0	46	50	0	36	29	7
26	17	9	0	51	45	0	31	23	8
22	15	7	0	58	38	0	31	22	9
18	15	3	0	62	34	0	23	16	7
21	17	4	0	68	28	0	27	20	7
15	13	2	0	64	32	0	17	11	6
15	11	4	0	72	24	0	17	8	9
18	17	1	0	79	17	0	22	15	7
18	18	0	0	72	24	0	18	13	5

88 +S9 20161004 FC_88 +S9	88 +S9 20161004 P_88 +S9	88 +S9 20161004 N_88 +S9	88 +S9 20161004 F_88 +S9	88 -S9 20161004 TC_88 -S9	88 -S9 20161004 SC_88 -S9	88 -S9 20161004 LC_88 -S9	88 -S9 20161004 FC_88 -S9	88 -S9 20161004 P_88 -S9	88 -S9 20161004 N_88 -S9
0	69	27	0	21	12	9	0	73	23
0	70	26	0	18	13	5	0	69	27
0	58	38	0	39	33	6	0	43	53
0	62	34	0	44	36	8	0	54	42
0	72	24	0	10	9	1	0	31	65
0	75	21	0	13	6	7	0	28	68
0	77	19	0	27	22	5	0	67	29
0	77	19	0	29	25	4	0	69	27
0	73	23	0	24	16	8	0	59	37
0	68	28	0	11	5	6	0	54	42
0	80	16	0	22	17	5	0	65	31
0	76	20	0	24	18	6	0	71	25

88 -S9	104 +S9	104 +S9	104 +S9	104 +S9	104 +S9	104 +S9	104 +S9	104 -S9	104 -S9
20161004	20160815	20160815	20160815	20160815	20160815	20160815	20160815	20160815	20160815
F_88 -S9	TC_104 +S9	SC_104 +S9	LC_104 +S9	FC_104 +S9	P_104 +S9	N_104 +S9	F_104 +S9	TC_104 -S9	SC_104 -S9
0	6	6	0	0	66	30	0	14	9
0	23	18	5	0	63	33	0	16	10
0	10	10	0	0	28	68	0	20	16
0	18	15	3	0	31	65	0	26	22
0	8	5	3	0	46	50	0	14	8
0	15	10	5	0	48	48	0	12	9
0	13	11	2	0	57	39	0	15	11
0	20	17	3	0	57	39	0	15	12
0	9	5	4	0	60	36	0	6	2
0	11	9	2	0	63	33	0	10	4
0	12	12	0	0	57	39	0	9	7
0	9	5	4	0	65	31	0	15	10

104 -S9	104 -S9	104 -S9	104 -S9	104 -S9	108 +S9	108 +S9	108 +S9	108 +S9	108 +S9
20160815	20160815	20160815	20160815	20160815	20160816	20160816	20160816	20160816	20160816
LC_104 -S9	FC_104 -S9	P_104 -S9	N_104 -S9	F_104 -S9	TC_108 +S9	SC_108 +S9	LC_108 +S9	FC_108 +S9	P_108 +S9
5	0	73	23	0	5	3	2	0	72
6	0	69	27	0	13	4	9	0	77
4	0	40	56	0	30	18	12	0	60
4	0	39	57	0	27	19	8	0	51
6	0	50	46	0	13	3	10	0	67
3	0	67	29	0	13	5	8	0	52
4	0	66	30	0	8	4	4	0	61
3	0	74	22	0	12	8	4	0	51
4	0	71	25	0	11	7	4	0	61
6	0	71	25	0	9	2	7	0	58
2	0	64	32	0	10	4	6	0	67
5	0	77	19	0	6	0	6	0	51

108 +S9 20160816 N_108 +S9	108 +S9 20160816 F_108 +S9	108 -S9 20160816 TC_108 -S9	108 -S9 20160816 SC_108 -S9	108 -S9 20160816 LC_108 -S9	108 -S9 20160816 FC_108 -S9	108 -S9 20160816 P_108 -S9	108 -S9 20160816 N_108 -S9	108 -S9 20160816 F_108 -S9	110 +S9 20160816 TC_110 +S9
24	0	10	4	6	0	53	43	0	5
19	0	7	4	3	0	66	30	0	13
36	0	38	22	16	0	50	46	0	30
45	0	33	22	11	0	51	45	0	27
29	0	14	11	3	0	46	50	0	12
44	0	25	17	8	0	45	51	0	16
35	0	12	8	4	0	56	40	0	10
45	0	10	6	4	0	53	43	0	9
35	0	6	2	4	0	57	39	0	8
38	0	9	1	8	0	52	44	0	10
29	0	7	2	5	0	53	43	0	14
45	0	8	6	2	0	46	50	0	8

110 +S9	110 +S9	110 +S9	110 +S9	110 +S9	110 +S9	110 -S9	110 -S9	110 -S9	110 -S9
20160816	20160816	20160816	20160816	20160816	20160816	20160816	20160816	20160816	20160816
SC_110 +S9	LC_110 +S9	FC_110 +S9	P_110 +S9	N_110 +S9	F_110 +S9	TC_110 -S9	SC_110 -S9	LC_110 -S9	FC_110 -S9
3	2	0	72	24	0	10	4	6	0
4	9	0	77	19	0	7	4	3	0
18	12	0	60	36	0	38	22	16	0
19	8	0	51	45	0	33	22	11	0
4	8	0	57	39	0	18	9	9	0
10	6	0	58	38	0	16	9	7	0
5	5	0	59	37	0	12	7	5	0
5	4	0	50	46	0	14	7	7	0
6	2	0	66	30	0	7	2	5	0
5	5	0	61	35	0	8	3	5	0
9	5	0	66	30	0	12	4	8	0
4	4	0	65	31	0	16	7	9	0

110 -S9	110 -S9	110 -S9	116 +S9	116 +S9	116 +S9	116 +S9	116 +S9	116 +S9	116 +S9
20160816	20160816	20160816	20160912	20160912	20160912	20160912	20160912	20160912	20160912
P_110 -S9	N_110 -S9	F_110 -S9	TC_116 +S9	SC_116 +S9	LC_116 +S9	FC_116 +S9	P_116 +S9	N_116 +S9	F_116 +S9
53	43	0	12	8	4	0	71	25	0
66	30	0	23	15	8	0	75	21	0
50	46	0	25	22	3	0	47	49	0
51	45	0	23	17	6	0	56	40	0
60	36	0	18	15	3	0	57	39	0
64	32	0	29	22	7	0	61	35	0
67	29	0	13	11	2	0	67	29	0
61	35	0	15	11	4	0	70	26	0
63	33	0	17	11	6	0	66	30	0
65	31	0	15	11	4	0	75	21	0
63	33	0	10	7	3	0	66	30	0
60	36	0	15	9	6	0	70	26	0

110 -S9	110 -S9	110 -S9	116 +S9	116 +S9	116 +S9	116 +S9	116 +S9	116 +S9	116 +S9
20160816	20160816	20160816	20160912	20160912	20160912	20160912	20160912	20160912	20160912
P_110 -S9	N_110 -S9	F_110 -S9	TC_116 +S9	SC_116 +S9	LC_116 +S9	FC_116 +S9	P_116 +S9	N_116 +S9	F_116 +S9
53	43	0	12	8	4	0	71	25	0
66	30	0	23	15	8	0	75	21	0
50	46	0	25	22	3	0	47	49	0
51	45	0	23	17	6	0	56	40	0
60	36	0	18	15	3	0	57	39	0
64	32	0	29	22	7	0	61	35	0
67	29	0	13	11	2	0	67	29	0
61	35	0	15	11	4	0	70	26	0
63	33	0	17	11	6	0	66	30	0
65	31	0	15	11	4	0	75	21	0
63	33	0	10	7	3	0	66	30	0
60	36	0	15	9	6	0	70	26	0

116 -S9	116 -S9	116 -S9	116 -S9	116 -S9	116 -S9	116 -S9	120 +S9	120 +S9	120 +S9
20160912	20160912	20160912	20160912	20160912	20160912	20160912	20160913	20160913	20160913
TC_116 -S9	SC_116 -S9	LC_116 -S9	FC_116 -S9	P_116 -S9	N_116 -S9	F_116 -S9	TC_120 +S9	SC_120 +S9	LC_120 +S9
18	13	5	0	80	16	0	12	8	4
21	16	5	0	75	21	0	23	15	8
21	20	1	0	33	63	0	1	1	0
24	23	1	0	40	56	0	0	0	0
7	6	1	0	58	38	0	3	3	0
6	5	1	0	58	38	0	7	6	1
11	7	4	0	56	40	0	33	31	2
21	18	3	0	60	36	0	32	31	1
21	18	3	0	66	30	0	29	11	18
11	9	2	0	60	36	0	30	24	6
19	12	7	0	58	38	0	19	16	3
16	11	5	0	69	27	0	14	11	3

120 +S9	120 +S9	120 +S9	120 +S9	120 -S9	120 -S9	120 -S9	120 -S9	120 -S9	120 -S9
20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913
FC_120 +S9	P_120 +S9	N_120 +S9	F_120 +S9	TC_120 -S9	SC_120 -S9	LC_120 -S9	FC_120 -S9	P_120 -S9	N_120 -S9
0	71	25	0	13	8	5	0	68	28
0	75	21	0	6	2	4	0	76	20
0	2	94	0	40	28	12	0	65	31
0	2	94	0	39	30	9	0	58	38
0	18	78	0	16	12	4	0	56	40
0	10	86	0	15	13	2	0	50	46
0	62	34	0	12	8	4	0	71	25
0	74	22	0	20	14	6	0	67	29
0	64	32	0	16	6	10	0	76	20
0	53	43	0	10	4	6	0	84	12
0	54	42	0	11	7	4	0	74	22
0	58	38	0	14	8	6	0	79	17

120 -S9	1 +S9	1 +S9	1 +S9	1 +S9	1 +S9	1 +S9	1 +S9	1 -S9	1 -S9
20160913	20160926	20160926	20160926	20160926	20160926	20160926	20160926	20160926	20160926
F_120 -S9	TC_1 +S9	SC_1 +S9	LC_1 +S9	FC_1 +S9	P_1 +S9	N_1 +S9	F_1 +S9	TC_1 -S9	SC_1 -S9
0	12	6	6	0	80	16	0	13	8
0	17	7	10	0	73	23	0	19	9
0	26	20	6	0	58	38	0	26	20
0	27	22	5	0	66	30	0	26	21
0	30	26	4	0	67	29	0	16	8
0	22	18	4	0	64	32	0	32	21
0	23	14	9	0	69	27	0	21	13
0	21	11	10	0	74	22	0	26	19
0	13	7	6	0	70	26	0	20	12
0	16	7	9	0	75	21	0	17	12
0	12	8	4	0	57	39	0	13	8
0	17	11	6	0	60	36	0	6	4

1 -S9 20160926 LC_1 -S9	1 -S9 20160926 FC_1 -S9	1 -S9 20160926 P_1 -S9	1 -S9 20160926 N_1 -S9	1 -S9 20160926 F_1 -S9	4 +S9 20160926 TC_4 +S9	4 +S9 20160926 SC_4 +S9	4 +S9 20160926 LC_4 +S9	4 +S9 20160926 FC_4 +S9	4 +S9 20160926 P_4 +S9
5	0	68	28	0	12	6	6	0	80
10	0	71	25	0	17	7	10	0	73
6	0	30	66	0	26	20	6	0	58
5	0	40	56	0	27	22	5	0	66
8	0	70	26	0	30	22	8	0	58
11	0	81	15	0	29	21	8	0	62
8	0	80	16	0	22	10	12	0	67
7	0	73	23	0	23	13	10	0	78
8	0	67	29	0	17	9	8	0	75
5	0	73	23	0	24	19	5	0	74
5	0	69	27	0	22	13	9	0	73
2	0	69	27	0	23	15	8	0	69

4 +S9	4 +S9	4 -S9	4 -S9	4 -S9	4 -S9	4 -S9	4 -S9	4 -S9	10 +S9
20160926	20160926	20160926	20160926	20160926	20160926	20160926	20160926	20160926	20160328
N_4 +S9	F_4 +S9	TC_4 -S9	SC_4 -S9	LC_4 -S9	FC_4 -S9	P_4 -S9	N_4 -S9	F_4 -S9	TC_10 +S9
16	0	13	8	5	0	68	28	0	5
23	0	19	9	10	0	71	25	0	8
38	0	26	20	6	0	30	66	0	21
30	0	26	21	5	0	40	56	0	26
38	0	12	10	2	0	70	26	0	15
34	0	16	11	5	0	60	36	0	11
29	0	21	15	6	0	72	24	0	9
18	0	23	18	5	0	67	29	0	11
21	0	16	9	7	0	64	32	0	6
22	0	15	7	8	0	68	28	0	13
23	0	17	12	5	0	65	31	0	8
27	0	18	10	8	0	66	30	0	11

4 +S9	4 +S9	4 -S9	4 -S9	4 -S9	4 -S9	4 -S9	4 -S9	4 -S9	10 +S9
20160926	20160926	20160926	20160926	20160926	20160926	20160926	20160926	20160926	20160328
N_4 +S9	F_4 +S9	TC_4 -S9	SC_4 -S9	LC_4 -S9	FC_4 -S9	P_4 -S9	N_4 -S9	F_4 -S9	TC_10 +S9
16	0	13	8	5	0	68	28	0	5
23	0	19	9	10	0	71	25	0	8
38	0	26	20	6	0	30	66	0	21
30	0	26	21	5	0	40	56	0	26
38	0	12	10	2	0	70	26	0	15
34	0	16	11	5	0	60	36	0	11
29	0	21	15	6	0	72	24	0	9
18	0	23	18	5	0	67	29	0	11
21	0	16	9	7	0	64	32	0	6
22	0	15	7	8	0	68	28	0	13
23	0	17	12	5	0	65	31	0	8
27	0	18	10	8	0	66	30	0	11

10 +S9	10 +S9	10 +S9	10 +S9	10 +S9	10 +S9	10 -S9	10 -S9	10 -S9	10 -S9
20160328	20160328	20160328	20160328	20160328	20160328	20160328	20160328	20160328	20160328
SC_10 +S9	LC_10 +S9	FC_10 +S9	P_10 +S9	N_10 +S9	F_10 +S9	TC_10 -S9	SC_10 -S9	LC_10 -S9	FC_10 -S9
2	3	0	66	30	0	5	4	1	0
4	4	0	66	30	0	7	3	4	0
15	6	0	47	49	0	37	28	9	0
18	8	0	53	43	0	33	27	6	0
12	3	0	57	39	0	13	11	2	0
9	2	0	49	47	0	14	13	1	0
5	4	0	57	39	0	12	6	6	0
9	2	0	54	42	0	9	6	3	0
4	2	0	58	38	0	8	7	1	0
9	4	0	60	36	0	13	11	2	0
7	1	0	52	44	0	14	6	8	0
7	4	0	52	44	0	5	3	2	0

10 -S9	10 -S9	10 -S9	15 +S9	15 +S9	15 +S9	15 +S9	15 +S9	15 +S9	15 +S9
20160328	20160328	20160328	20160329	20160329	20160329	20160329	20160329	20160329	20160329
P_10 -S9	N_10 -S9	F_10 -S9	TC_15 +S9	SC_15 +S9	LC_15 +S9	FC_15 +S9	P_15 +S9	N_15 +S9	F_15 +S9
49	47	0	14	8	6	0	53	42	1
55	41	0	11	4	7	0	51	45	0
29	67	0	32	25	7	3	53	43	0
31	65	0	47	40	7	0	51	45	0
28	68	0	24	19	5	1	50	45	1
31	65	0	23	15	8	1	55	39	2
42	54	0	19	17	2	0	50	44	2
49	47	0	18	14	4	0	55	41	0
60	36	0	13	12	1	2	64	32	0
56	40	0	12	7	5	0	62	34	0
44	52	0	10	7	3	2	47	48	1
53	43	0	8	5	3	1	54	42	0

15 -S9 20160329 TC_15 -S9	15 -S9 20160329 SC_15 -S9	15 -S9 20160329 LC_15 -S9	15 -S9 20160329 FC_15 -S9	15 -S9 20160329 P_15 -S9	15 -S9 20160329 N_15 -S9	15 -S9 20160329 F_15 -S9	19 +S9 20160411 TC_19 +S9	19 +S9 20160411 SC_19 +S9	19 +S9 20160411 LC_19 +S9
10	6	4	0	71	25	0	10	7	3
12	8	4	0	60	36	0	6	4	2
40	29	11	0	39	57	0	18	14	4
36	30	6	0	36	60	0	18	13	5
15	9	6	0	45	51	0	23	19	4
15	11	4	0	38	58	0	8	6	2
20	14	6	0	72	24	0	11	9	2
18	12	6	0	62	34	0	12	9	3
16	13	3	0	54	42	0	5	4	1
15	7	8	0	64	32	0	8	4	4
19	14	5	0	60	36	0	11	9	2
15	13	2	0	63	33	0	6	6	0

19 +S9 20160411 FC_19 +S9	19 +S9 20160411 P_19 +S9	19 +S9 20160411 N_19 +S9	19 +S9 20160411 F_19 +S9	19 -S9 20160411 TC_19 -S9	19 -S9 20160411 SC_19 -S9	19 -S9 20160411 LC_19 -S9	19 -S9 20160411 FC_19 -S9	19 -S9 20160411 P_19 -S9	19 -S9 20160411 N_19 -S9
0	60	36	0	7	7	0	0	45	51
0	55	41	0	10	8	2	0	54	42
0	43	53	0	23	20	3	0	46	50
0	44	52	0	16	13	3	0	39	57
0	49	47	0	12	8	4	0	67	29
0	50	46	0	11	10	1	0	71	25
0	56	40	0	9	7	2	0	73	23
0	69	27	0	8	5	3	0	60	36
0	58	38	0	7	4	3	0	54	42
0	50	46	0	11	9	2	0	52	44
0	49	47	0	6	4	2	0	66	30
0	58	38	0	7	7	0	0	57	39

19 -S9 20160411 F_19 -S9	20 +S9 20160411 TC_20 +S9	20 +S9 20160411 SC_20 +S9	20 +S9 20160411 LC_20 +S9	20 +S9 20160411 FC_20 +S9	20 +S9 20160411 P_20 +S9	20 +S9 20160411 N_20 +S9	20 +S9 20160411 F_20 +S9	20 -S9 20160411 TC_20 -S9	20 -S9 20160411 SC_20 -S9
0	10	7	3	0	60	36	0	7	7
0	6	4	2	0	55	41	0	10	8
0	18	14	4	0	43	53	0	23	20
0	18	13	5	0	44	52	0	16	13
0	18	15	3	0	53	43	0	18	15
0	16	11	5	0	55	41	0	9	9
0	17	16	1	0	58	38	0	8	7
0	10	6	4	0	48	48	0	7	6
0	7	5	2	0	50	46	0	6	2
0	7	6	1	0	45	51	0	8	6
0	9	8	1	0	51	45	0	3	3
0	7	3	4	0	49	47	0	2	1

20 -S9	20 -S9	20 -S9	20 -S9	20 -S9	21 +S9	21 +S9	21 +S9	21 +S9	21 +S9
20160411	20160411	20160411	20160411	20160411	20160829	20160829	20160829	20160829	20160829
LC_20 -S9	FC_20 -S9	P_20 -S9	N_20 -S9	F_20 -S9	TC_21 +S9	SC_21 +S9	LC_21 +S9	FC_21 +S9	P_21 +S9
0	0	45	51	0	16	12	4	0	75
2	0	54	42	0	9	8	1	0	78
3	0	46	50	0	14	11	3	0	35
3	0	39	57	0	14	11	3	0	31
3	0	52	44	0	14	12	2	0	40
0	0	60	36	0	10	7	3	0	35
1	0	58	38	0	10	8	2	0	62
1	0	60	36	0	16	11	5	0	65
4	0	57	39	0	8	6	2	0	64
2	0	70	26	0	8	6	2	0	68
0	0	74	22	0	12	7	5	0	68
1	0	59	37	0	12	4	8	0	65

21 +S9 20160829 N_21 +S9	21 +S9 20160829 F_21 +S9	21 -S9 20160829 TC_21 -S9	21 -S9 20160829 SC_21 -S9	21 -S9 20160829 LC_21 -S9	21 -S9 20160829 FC_21 -S9	21 -S9 20160829 P_21 -S9	21 -S9 20160829 N_21 -S9	21 -S9 20160829 F_21 -S9	26 +S9 20160829 TC_26 +S9
21	0	13	7	6	0	78	18	0	16
18	0	11	6	5	0	73	23	0	9
61	0	24	17	7	0	58	38	0	14
65	0	25	18	7	0	49	47	0	14
56	0	21	13	8	0	54	42	0	16
61	0	20	16	4	0	56	40	0	8
34	0	17	15	2	0	69	27	0	16
31	0	13	10	3	0	71	25	0	13
32	0	12	10	2	0	67	29	0	10
28	0	18	13	5	0	60	36	0	10
28	0	12	9	3	0	69	27	0	9
31	0	8	5	3	0	62	34	0	14

26 +S9 20160829 SC_26 +S9	26 +S9 20160829 LC_26 +S9	26 +S9 20160829 FC_26 +S9	26 +S9 20160829 P_26 +S9	26 +S9 20160829 N_26 +S9	26 +S9 20160829 F_26 +S9	26 -S9 20160829 TC_26 -S9	26 -S9 20160829 SC_26 -S9	26 -S9 20160829 LC_26 -S9	26 -S9 20160829 FC_26 -S9
12	4	0	75	21	0	13	7	6	0
8	1	0	78	18	0	11	6	5	0
11	3	0	35	61	0	24	17	7	0
11	3	0	31	65	0	25	18	7	0
11	5	0	45	51	0	17	12	5	0
5	3	0	50	46	0	27	15	12	0
10	6	0	67	29	0	9	7	2	0
10	3	0	54	42	0	11	9	2	0
9	1	0	62	34	0	14	6	8	0
5	5	0	52	44	0	8	4	4	0
6	3	0	60	36	0	18	9	9	0
11	3	0	59	37	0	12	6	6	0

26 -S9 20160829 P_26 -S9	26 -S9 20160829 N_26 -S9	26 -S9 20160829 F_26 -S9	41 +S9 20160621 TC_41 +S9	41 +S9 20160621 SC_41 +S9	41 +S9 20160621 LC_41 +S9	41 +S9 20160621 FC_41 +S9	41 +S9 20160621 P_41 +S9	41 +S9 20160621 N_41 +S9	41 +S9 20160621 F_41 +S9
78	18	0	17	13	4	0	42	54	0
73	23	0	15	14	1	0	54	42	0
58	38	0	16	14	2	0	20	76	0
49	47	0	23	23	0	0	26	70	0
69	27	0	20	20	0	0	43	53	0
71	25	0	25	24	1	0	49	47	0
70	26	0	18	17	1	0	51	45	0
64	32	0	11	8	3	0	49	47	0
70	26	0	11	11	0	0	53	43	0
73	23	0	14	12	2	0	48	48	0
78	18	0	7	6	1	0	50	46	0
68	28	0	16	15	1	0	52	44	0

41 -S9 20160621 TC_41 -S9	41 -S9 20160621 SC_41 -S9	41 -S9 20160621 LC_41 -S9	41 -S9 20160621 FC_41 -S9	41 -S9 20160621 P_41 -S9	41 -S9 20160621 N_41 -S9	41 -S9 20160621 F_41 -S9	54 +S9 20160622 TC_54 +S9	54 +S9 20160622 SC_54 +S9	54 +S9 20160622 LC_54 +S9
11	10	1	0	56	40	0	11	8	3
8	8	0	0	56	40	0	13	10	3
32	31	1	0	46	50	0	29	28	1
21	21	0	0	37	59	0	24	23	1
19	19	0	0	35	61	0	16	15	1
8	8	0	0	55	41	0	19	17	2
14	14	0	0	62	34	0	11	11	0
14	14	0	0	62	34	0	8	8	0
7	7	0	0	50	46	0	9	5	4
8	7	1	0	47	49	0	10	7	3
8	8	0	0	65	31	0	6	5	1
15	15	0	0	60	36	0	4	3	1

54 +S9 20160622 FC_54 +S9	54 +S9 20160622 P_54 +S9	54 +S9 20160622 N_54 +S9	54 +S9 20160622 F_54 +S9	54 -S9 20160622 TC_54 -S9	54 -S9 20160622 SC_54 -S9	54 -S9 20160622 LC_54 -S9	54 -S9 20160622 FC_54 -S9	54 -S9 20160622 P_54 -S9	54 -S9 20160622 N_54 -S9
0	46	50	0	11	8	3	0	58	38
0	41	55	0	8	3	5	0	47	49
0	44	52	0	20	18	2	0	35	61
0	40	56	0	33	31	2	0	44	52
0	48	48	0	9	8	1	0	36	60
0	43	53	0	11	8	3	0	37	59
5	46	50	0	8	8	0	0	32	64
0	44	52	0	6	6	0	0	43	53
0	57	39	0	4	1	3	0	37	59
0	57	39	0	10	5	5	0	49	47
0	49	47	0	5	2	3	0	42	54
0	41	55	0	7	6	1	0	39	57

54 -S9	61 +S9	61 +S9	61 +S9	61 +S9	61 +S9	61 +S9	61 +S9	61 -S9	61 -S9
20160622	20160524	20160524	20160524	20160524	20160524	20160524	20160524	20160524	20160524
F_54 -S9	TC_61 +S9	SC_61 +S9	LC_61 +S9	FC_61 +S9	P_61 +S9	N_61 +S9	F_61 +S9	TC_61 -S9	SC_61 -S9
0	11	9	2	1	39	57	0	7	3
0	11	9	2	0	45	51	0	10	3
0	5	5	0	0	8	88	0	28	27
0	6	6	0	0	7	89	0	27	26
0	15	15	0	0	22	74	0	19	18
0	19	18	1	0	14	82	0	16	16
0	26	26	0	0	44	52	0	27	27
0	26	26	0	0	42	54	0	15	15
0	20	18	2	0	39	57	0	5	4
0	21	17	4	0	46	50	0	15	14
0	14	14	0	0	53	43	0	13	11
0	20	18	2	1	47	49	0	7	5

61 -S9 20160524 LC_61 -S9	61 -S9 20160524 FC_61 -S9	61 -S9 20160524 P_61 -S9	61 -S9 20160524 N_61 -S9	61 -S9 20160524 F_61 -S9	63 +S9 20160524 TC_63 +S9	63 +S9 20160524 SC_63 +S9	63 +S9 20160524 LC_63 +S9	63 +S9 20160524 FC_63 +S9	63 +S9 20160524 P_63 +S9
4	0	43	53	0	11	9	2	1	39
7	0	46	50	0	11	9	2	0	45
1	0	25	71	0	5	5	0	0	8
1	0	23	73	0	6	6	0	0	7
1	0	41	55	0	13	13	0	0	16
0	0	48	48	0	10	9	1	0	12
0	0	61	35	0	18	18	0	0	41
0	0	59	37	0	23	23	0	1	33
1	0	58	38	0	22	21	1	0	46
1	0	70	26	0	11	10	1	0	45
2	0	49	47	0	22	21	1	0	55
2	0	56	40	0	35	35	0	0	58

63 +S9	63 +S9	63 -S9	63 -S9	63 -S9	63 -S9	63 -S9	63 -S9	63 -S9	66 +S9
20160524	20160524	20160524	20160524	20160524	20160524	20160524	20160524	20160524	20160927
N_63 +S9	F_63 +S9	TC_63 -S9	SC_63 -S9	LC_63 -S9	FC_63 -S9	P_63 -S9	N_63 -S9	F_63 -S9	TC_66 +S9
57	0	7	3	4	0	43	53	0	6
51	0	10	3	7	0	46	50	0	10
88	0	28	27	1	0	25	71	0	39
89	0	27	26	1	0	23	73	0	31
80	0	30	28	2	0	49	47	0	20
84	0	26	26	0	0	57	39	0	23
55	0	24	24	0	0	59	37	0	22
63	0	22	17	5	0	60	36	0	18
50	0	17	11	6	0	53	43	0	13
51	0	11	10	1	0	51	45	0	8
41	0	15	13	2	0	34	62	0	11
38	0	11	7	4	0	55	41	0	13

66 +S9 20160927 SC_66 +S9	66 +S9 20160927 LC_66 +S9	66 +S9 20160927 FC_66 +S9	66 +S9 20160927 P_66 +S9	66 +S9 20160927 N_66 +S9	66 +S9 20160927 F_66 +S9	66 -S9 20160927 TC_66 -S9	66 -S9 20160927 SC_66 -S9	66 -S9 20160927 LC_66 -S9	66 -S9 20160927 FC_66 -S9
2	4	0	59	37	0	12	9	3	0
6	4	0	68	28	0	9	5	4	0
39	0	0	67	29	0	37	34	3	0
30	1	0	60	36	0	28	24	4	0
15	5	0	68	28	0	16	10	6	0
17	6	0	54	42	0	22	13	9	0
15	7	0	60	36	0	12	9	3	0
15	3	0	63	33	0	14	9	5	0
8	5	0	64	32	0	18	10	8	0
5	3	0	74	22	0	18	11	7	0
10	1	0	64	32	0	17	8	9	0
9	4	0	71	25	0	12	6	6	0

66 -S9 20160927 P_66 -S9	66 -S9 20160927 N_66 -S9	66 -S9 20160927 F_66 -S9	70 +S9 20160830 TC_70 +S9	70 +S9 20160830 SC_70 +S9	70 +S9 20160830 LC_70 +S9	70 +S9 20160830 FC_70 +S9	70 +S9 20160830 P_70 +S9	70 +S9 20160830 N_70 +S9	70 +S9 20160830 F_70 +S9
69	27	0	2	1	1	0	60	36	0
66	30	0	8	4	4	0	62	34	0
49	47	0	26	21	5	0	48	48	0
56	40	0	27	18	9	0	40	56	0
64	32	0	9	6	3	0	61	35	0
71	25	0	12	11	1	0	62	34	0
68	28	0	13	8	5	0	77	19	0
70	26	0	12	8	4	0	72	24	0
68	28	0	11	6	5	0	75	21	0
68	28	0	15	10	5	0	69	27	0
55	41	0	8	5	3	0	67	29	0
63	33	0	12	9	3	0	64	32	0

70 -S9 20160830 TC_70 -S9	70 -S9 20160830 SC_70 -S9	70 -S9 20160830 LC_70 -S9	70 -S9 20160830 FC_70 -S9	70 -S9 20160830 P_70 -S9	70 -S9 20160830 N_70 -S9	70 -S9 20160830 F_70 -S9	71 +S9 20161003 TC_71 +S9	71 +S9 20161003 SC_71 +S9	71 +S9 20161003 LC_71 +S9
7	4	3	0	60	36	0	16	12	4
7	5	2	0	70	26	0	18	15	3
16	10	6	0	53	43	0	16	13	3
23	18	5	0	61	35	0	22	19	3
20	10	10	0	67	29	0	17	13	4
25	13	12	0	57	39	0	15	14	1
16	11	5	0	71	25	0	24	20	4
8	4	4	0	58	38	0	19	12	7
5	3	2	0	55	41	0	17	14	3
9	5	4	0	52	44	0	17	11	6
2	1	1	0	58	38	0	22	17	5
8	3	5	0	59	37	0	23	17	6

71 +S9 20161003 FC_71 +S9	71 +S9 20161003 P_71 +S9	71 +S9 20161003 N_71 +S9	71 +S9 20161003 F_71 +S9	71 -S9 20161003 TC_71 -S9	71 -S9 20161003 SC_71 -S9	71 -S9 20161003 LC_71 -S9	71 -S9 20161003 FC_71 -S9	71 -S9 20161003 P_71 -S9	71 -S9 20161003 N_71 -S9
0	79	17	0	16	8	8	0	64	32
0	70	26	0	19	12	7	0	68	28
0	52	44	0	23	21	2	0	39	57
0	53	43	0	19	19	0	0	46	50
0	53	43	0	15	10	5	0	36	60
0	46	50	0	16	14	2	0	36	60
0	56	40	0	21	18	3	0	60	36
0	61	35	0	17	15	2	0	67	29
0	70	26	0	19	11	8	0	60	36
0	70	26	0	19	14	5	0	63	33
0	80	16	0	24	19	5	0	75	21
0	75	21	0	23	19	4	0	74	22

71 -S9 20161003 F_71 -S9	75 +S9 20161003 TC_75 +S9	75 +S9 20161003 SC_75 +S9	75 +S9 20161003 LC_75 +S9	75 +S9 20161003 FC_75 +S9	75 +S9 20161003 P_75 +S9	75 +S9 20161003 N_75 +S9	75 +S9 20161003 F_75 +S9	75 -S9 20161003 TC_75 -S9	75 -S9 20161003 SC_75 -S9
0	16	12	4	0	79	17	0	16	8
0	18	15	3	0	70	26	0	19	12
0	16	13	3	0	52	44	0	23	21
0	22	19	3	0	53	43	0	19	19
0	16	13	3	0	46	50	0	17	14
0	16	14	2	0	55	41	0	10	10
0	15	13	2	0	57	39	0	9	5
0	21	14	7	0	62	34	0	20	14
0	16	11	5	0	65	31	0	19	9
0	16	8	8	0	66	30	0	10	6
0	17	13	4	0	66	30	0	20	13
0	14	9	5	0	63	33	0	17	9

75 -S9	75 -S9	75 -S9	75 -S9	75 -S9	80 +S9	80 +S9	80 +S9	80 +S9	80 +S9
20161003	20161003	20161003	20161003	20161003	20160815	20160815	20160815	20160815	20160815
LC_75 -S9	FC_75 -S9	P_75 -S9	N_75 -S9	F_75 -S9	TC_80 +S9	SC_80 +S9	LC_80 +S9	FC_80 +S9	P_80 +S9
8	0	64	32	0	6	6	0	0	66
7	0	68	28	0	23	18	5	0	63
2	0	39	57	0	10	10	0	0	28
0	0	46	50	0	18	15	3	0	31
3	0	45	51	0	7	4	3	0	35
0	0	39	57	0	16	13	3	0	43
4	0	56	40	0	10	7	3	0	52
6	0	55	41	0	21	14	7	0	42
10	0	56	40	0	13	10	3	0	57
4	0	57	39	0	12	7	5	0	56
7	0	67	29	0	9	5	4	0	44
8	0	63	33	0	3	3	0	0	53

80 +S9	80 +S9	80 -S9	80 -S9	80 -S9	80 -S9	80 -S9	80 -S9	80 -S9	86 +S9
20160815	20160815	20160815	20160815	20160815	20160815	20160815	20160815	20160815	20160816
N_80 +S9	F_80 +S9	TC_80 -S9	SC_80 -S9	LC_80 -S9	FC_80 -S9	P_80 -S9	N_80 -S9	F_80 -S9	TC_86 +S9
30	0	14	9	5	0	73	23	0	5
33	0	16	10	6	0	69	27	0	13
68	0	20	16	4	0	40	56	0	30
65	0	26	22	4	0	39	57	0	27
61	0	17	13	4	0	67	29	0	16
53	0	23	17	6	0	63	33	0	13
44	0	8	6	2	0	55	41	0	13
54	0	11	5	6	0	61	35	0	17
39	0	8	4	4	0	54	42	0	11
40	0	8	4	4	0	66	30	0	15
52	0	9	5	4	0	57	39	0	4
43	0	11	6	5	0	58	38	0	8

86 +S9 20160816 SC_86 +S9	86 +S9 20160816 LC_86 +S9	86 +S9 20160816 FC_86 +S9	86 +S9 20160816 P_86 +S9	86 +S9 20160816 N_86 +S9	86 +S9 20160816 F_86 +S9	86 -S9 20160816 TC_86 -S9	86 -S9 20160816 SC_86 -S9	86 -S9 20160816 LC_86 -S9	86 -S9 20160816 FC_86 -S9
3	2	0	72	24	0	10	4	6	0
4	9	0	77	19	0	7	4	3	0
18	12	0	60	36	0	38	22	16	0
19	8	0	51	45	0	33	22	11	0
9	7	0	58	38	0	17	14	3	0
5	8	0	53	43	0	17	9	8	0
8	5	0	68	28	0	5	5	0	0
10	7	0	62	34	0	13	7	6	0
9	2	0	57	39	0	14	7	7	0
7	8	0	63	33	0	13	8	5	0
1	3	0	64	32	0	10	7	3	0
5	3	0	65	31	0	15	8	7	0

86 -S9 20160816 P_86 -S9	86 -S9 20160816 N_86 -S9	86 -S9 20160816 F_86 -S9	117 +S9 20160913 TC_117 +S9	117 +S9 20160913 SC_117 +S9	117 +S9 20160913 LC_117 +S9	117 +S9 20160913 FC_117 +S9	117 +S9 20160913 P_117 +S9	117 +S9 20160913 N_117 +S9	117 +S9 20160913 F_117 +S9
53	43	0	12	8	4	0	71	25	0
66	30	0	23	15	8	0	75	21	0
50	46	0	1	1	0	0	2	94	0
51	45	0	0	0	0	0	2	94	0
51	45	0	12	12	0	0	25	71	0
53	43	0	12	12	0	0	21	75	0
52	44	0	30	30	0	0	51	45	0
41	55	0	28	28	0	0	50	46	0
63	33	0	96	0	96	0	59	37	0
54	42	0	96	0	96	0	55	41	0
50	46	0	21	19	2	0	50	46	0
68	28	0	29	26	3	0	57	39	0

117 -S9	117 -S9	117 -S9	117 -S9	117 -S9	117 -S9	117 -S9	119 +S9	119 +S9	119 +S9
20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913
TC_117 -S9	SC_117 -S9	LC_117 -S9	FC_117 -S9	P_117 -S9	N_117 -S9	F_117 -S9	TC_119 +S9	SC_119 +S9	LC_119 +S9
13	8	5	0	68	28	0	12	8	4
6	2	4	0	76	20	0	23	15	8
40	28	12	0	65	31	0	1	1	0
39	30	9	0	58	38	0	0	0	0
34	24	10	0	63	33	0	8	7	1
27	19	8	0	69	27	0	9	9	0
16	11	5	0	66	30	0	36	33	3
13	9	4	0	74	22	0	42	36	6
9	5	4	0	70	26	0	32	27	5
13	8	5	0	68	28	0	20	16	4
7	5	2	0	66	30	0	26	24	2
11	9	2	0	72	24	0	22	19	3

119 +S9	119 +S9	119 +S9	119 +S9	119 -S9	119 -S9	119 -S9	119 -S9	119 -S9	119 -S9
20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913	20160913
FC_119 +S9	P_119 +S9	N_119 +S9	F_119 +S9	TC_119 -S9	SC_119 -S9	LC_119 -S9	FC_119 -S9	P_119 -S9	N_119 -S9
0	71	25	0	13	8	5	0	68	28
0	75	21	0	6	2	4	0	76	20
0	2	94	0	40	28	12	0	65	31
0	2	94	0	39	30	9	0	58	38
0	13	83	0	17	13	4	0	67	29
0	17	79	0	15	10	5	0	58	38
0	60	36	0	15	11	4	0	69	27
0	66	30	0	16	10	6	0	71	25
0	43	53	0	9	3	6	0	67	29
0	55	41	0	7	3	4	0	73	23
0	59	37	0	10	5	5	0	76	20
0	48	48	0	7	4	3	0	75	21

119 -S9
20160913
F_119 -S9
0
0
0
0
0
0
0
0
0
0
0
0