

Supplementary material for the agarose gel electrophoresis:

All strains were analyzed using the same 50bp ladder.

The sample setup was: Runtime: 2 h45 min, Voltage: 90 mV

At the end of the document a table containing the band sizes analysed by ImageJ ist given.

GeneRuler 50 bp DNA Ladder

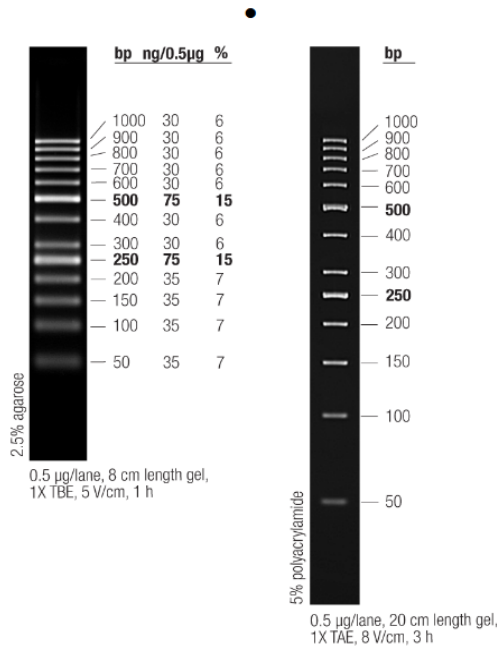


Figure S3: All strains were analysed in order, followed by a negative control (example given):



Figure S4: Example of the agarose gel. All strains tested are in order. Strain 1 followed by strain 2, 3,... in that order. At the end a negative control was done.

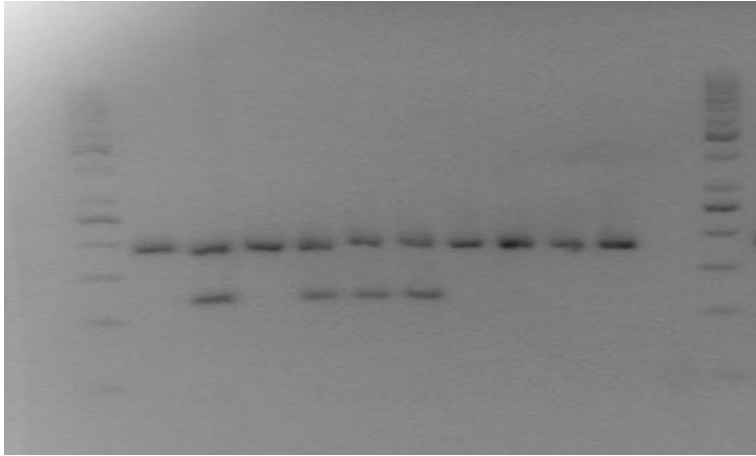


Figure S5: Strain 1-10; Primer Bc7, Bc10.

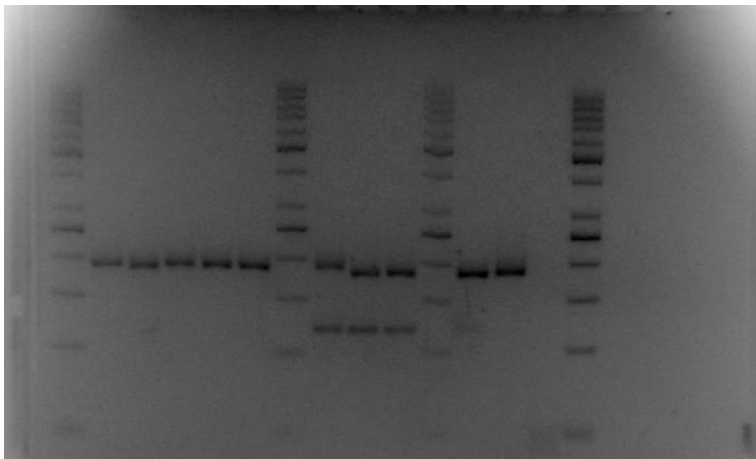


Figure S6: Strain 11-20; Primer Bc7, Bc10

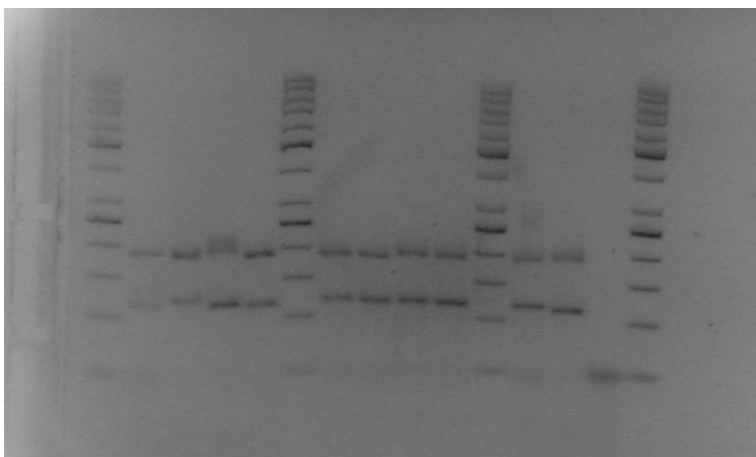


Figure S7: Strain 21-30; Primer Bc7, Bc10

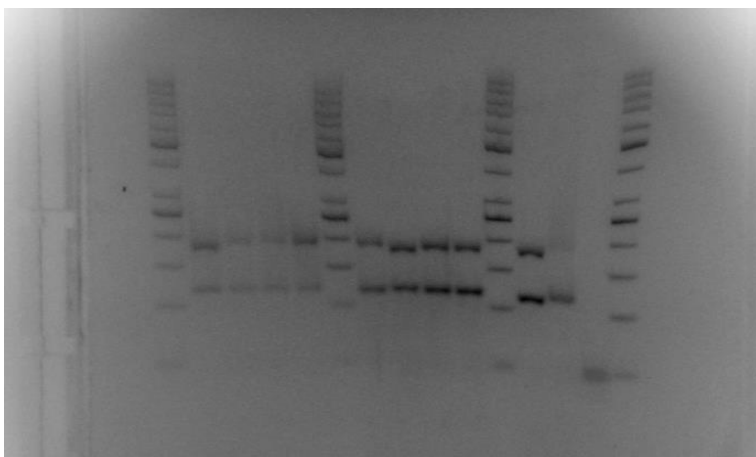


Figure S8: Strain 31-40; Primer Bc7, Bc10

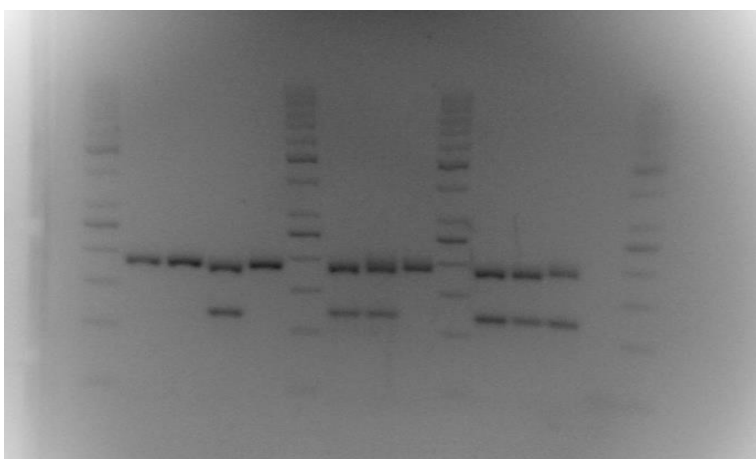


Figure S9: Strain 41-50; Primer Bc7, Bc10

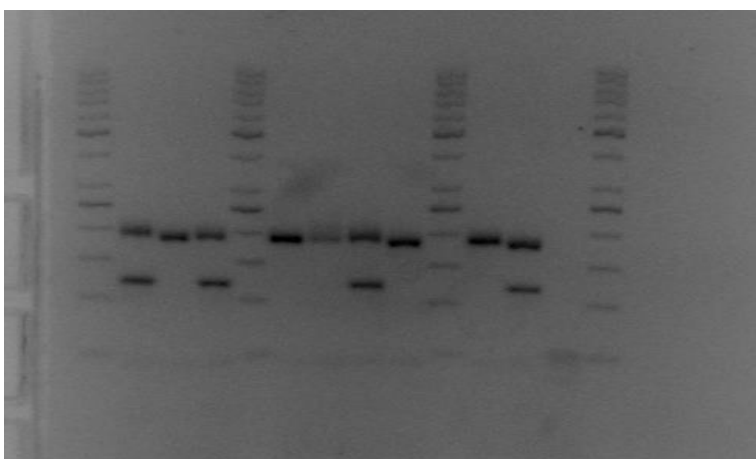


Figure S10: Strain 51-59; Primer Bc7, Bc10

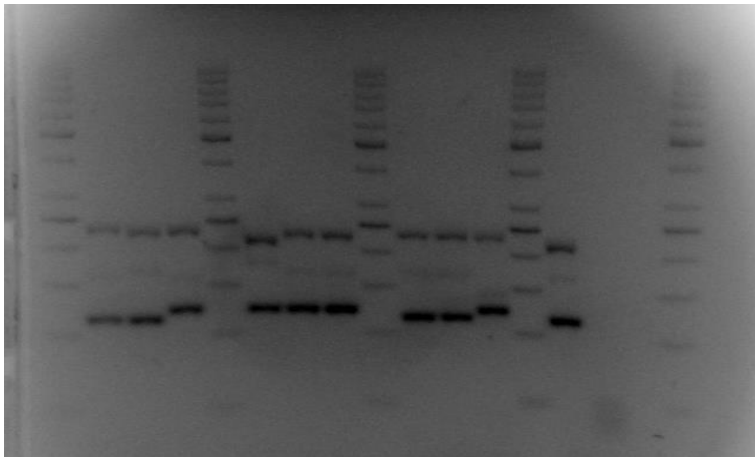


Figure S11: Strain 1-10; Primer Bc1, Bc2, Bc4

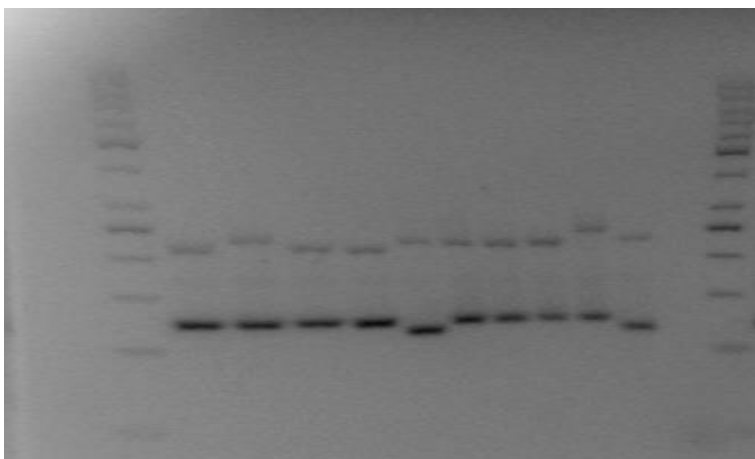


Figure S12: Strain 11-20; Primer Bc1, Bc2, Bc4

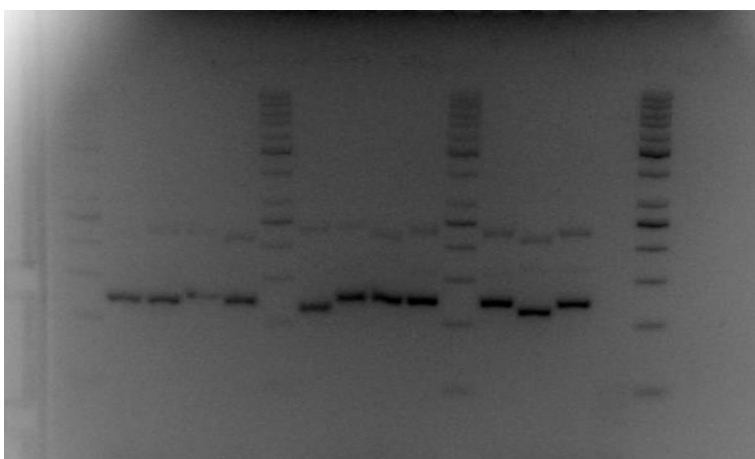


Figure S13: Strain 21-30; Primer Bc1, Bc2, Bc4

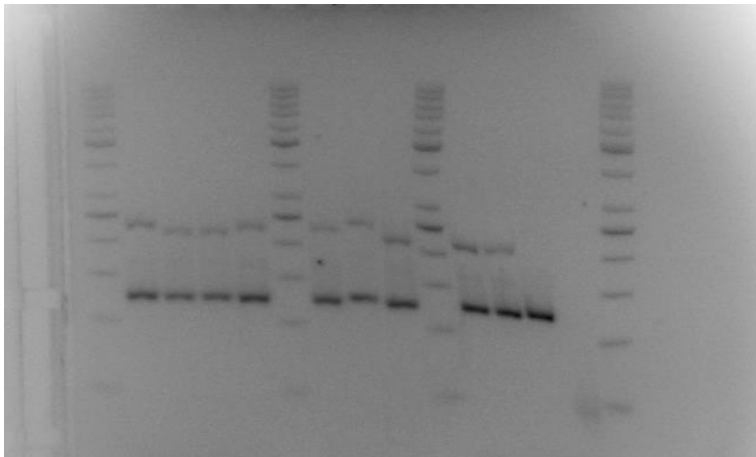


Figure S14: Strain 31-40; Primer Bc1, Bc2, Bc4

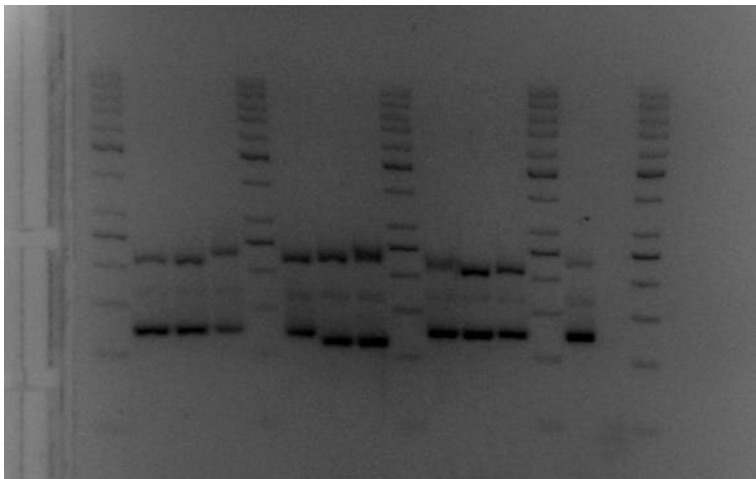


Figure S15: Strain 41-50; Primer Bc1, Bc2, Bc4

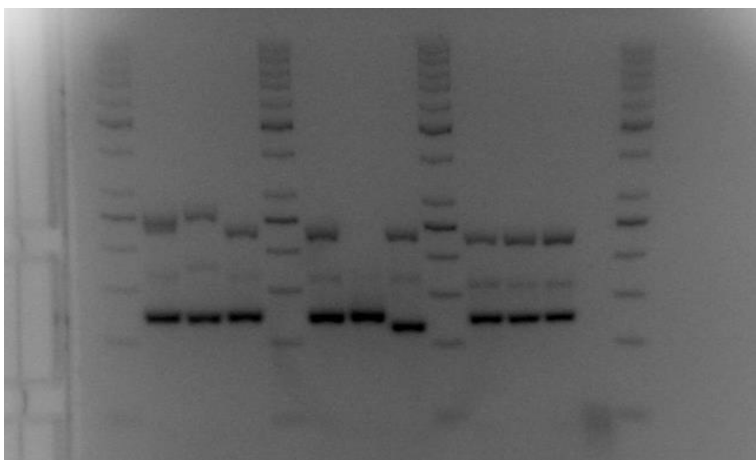


Figure S16: Strain 51-59; Primer Bc1, Bc2, Bc 4

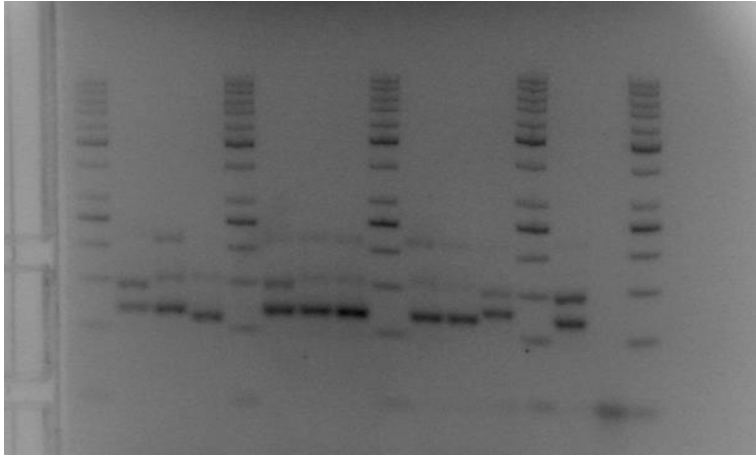


Figure S17: Strain 1-10; Primer Bc3, Bc5, Bc6

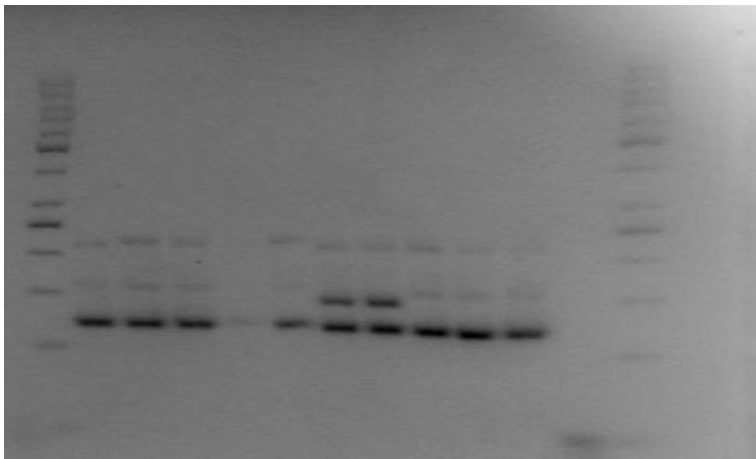


Figure S18: Strain 11-20; Primer Bc3, Bc5, Bc6

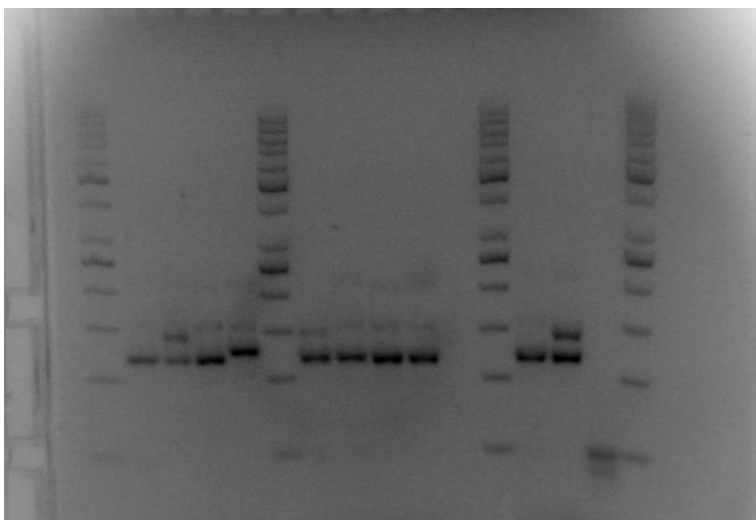


Figure S19: Strain 21-30; Primer Bc3, Bc5, Bc6

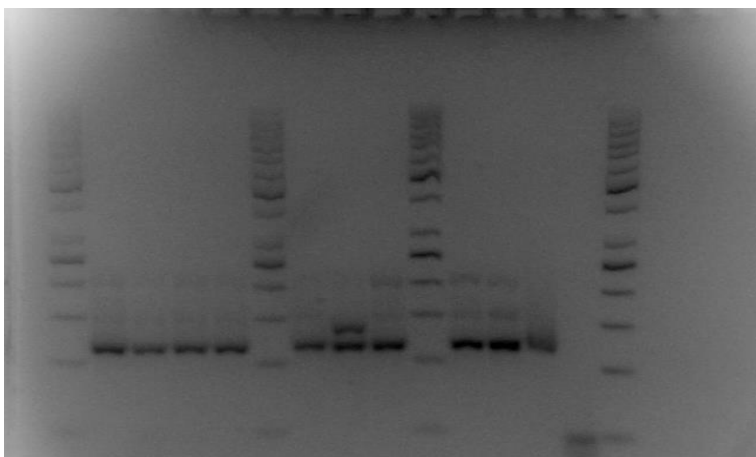


Figure S20: Strain 31-40; Primer Bc3, Bc5, Bc6

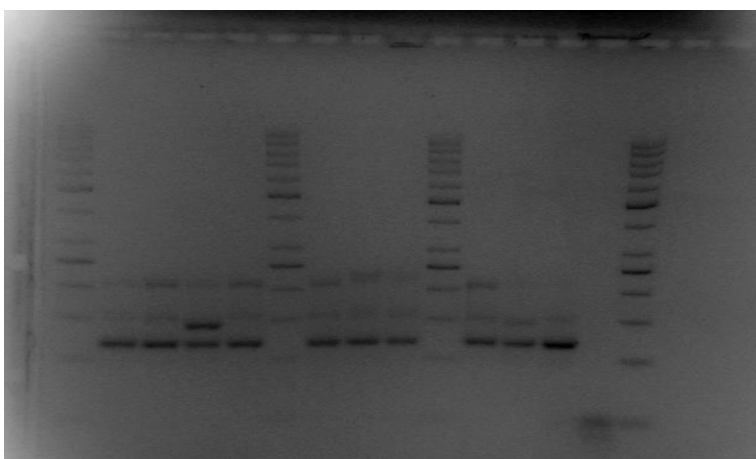


Figure S21: Strain 41-50; Primer Bc3, Bc5, Bc6

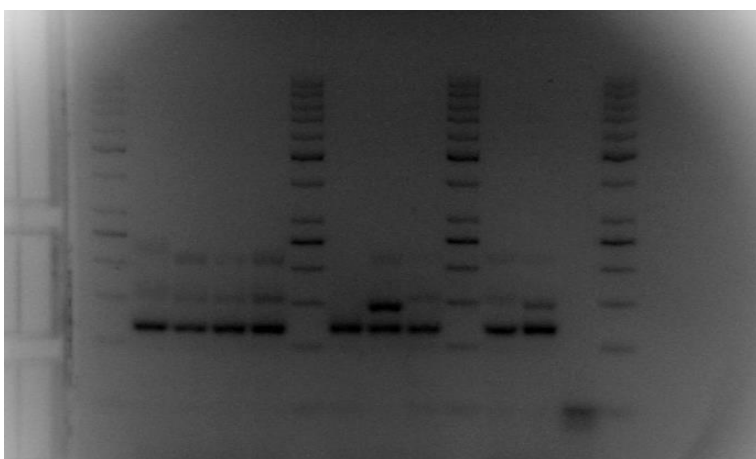


Figure S22: Strain 51-59; Primer Bc3, Bc5, Bc6

Table S2: Overview of the band sizes analysed with agarose gel electrophoresis and ImageJ. Given are the analysed strains and the primers used with their specific band sizes. Empty cells represent no detectable bands with the specific strain/primer.

Strain	Bc1	Bc2	Bc3	Bc4	Bc5	Bc6	Bc7	Bc10
1	234	163		115	145	116	187	
2	228	170	215	115	153	114	186	119
3	228	156		123	151	105	187	
4	214	181	218	123	149	117	190	120
5	224	164	218	120	154	116	189	118
6	217	163	217	118	152	113	185	115
7	229	167	214	111	152	113	185	
8	224	162	208	111	146	110	178	
9	222	132		115	137	113	172	
10	217	167	224	114	148	119	182	
11	214		220	120	158	117	194	
12	231		222	121	154	116	193	
13	218		221	122	154	116	194	
14	217			122		116	192	
15	235		224	116	152	116	190	
16	230		214	126	137	112	191	117
17	230		213	127	135	111	177	114
18	231		210	129	144	109	175	115
19	256		208	130	143	108	189	
20	240		206	121	142	107	189	
21				119		116	188	112
22	229			114	138	111	183	115
23	209		204	112	149	111	192	111
24	233		200	115	145	116	183	112
25	243			129	154	122	191	120
26	224		231	125	162	123	183	115
27	230		231	123	167	127	187	112
28	231		240	122	168	130	176	108
29	220			110	157	117	190	113
30	233		220	122	140	114	189	107
31	236	168	206	121	149	113	187	119
32	227	167		121	149	111	192	116
33	226	168	204	120	147	111	194	116
34	233	171	202	119	146	112	193	116
35	228	163		117	161	118	196	117
36	233	177	225	116	149	121	183	119
37	195	146	234	107	169	127	187	116
38	216	162	203	121	149	115	184	114
39	210	156	198	115	147	110	182	109
40		154		111		110	191	108
41	213	163	208	120	147	115	183	
42	209	165	203	118	146	115	176	
43	220	162	201	117	136	114	165	107
44	227	166	200	121	147	114	167	
45	223	165	215	110	154	118	181	118
46	221	158	227	107	160	118	178	115
47	226	171	226	123	156	117	176	
48	208	165	211	120	153	117	180	116
49	207	161		118	147	115	175	110
50	231	169		121	147	111	174	105
51	241	167	223	118	152	114	196	119
52	255	178	206	119	149	110	182	
53	226	166	200	118	143	107	185	111
54	229	165	189	120	139	107	195	
55				118		119	196	
56	225	161	217	107	145	118	200	121
57	237	167		125	156	118	189	
58	238	168	215	127	153	115	191	
59	240	171	209	131	142	113	186	117