

Table 1 List of SSR alleles that were chosen by the stepwise discriminant analyses for groups at K=3

No. of Variable	Variables	Variable IN/OUT	Status	Patial R2	F	Pr > F	Wilks Lambda	Pr < Lambda
1	umc1061_109	umc1061_109	IN				0.3850	<0.0001
2	phi029_147 /...	phi029_147	IN	0.524	65.76	<0.0001	0.1830	<0.0001
3	phi008_54 /...	phi008_54	IN	0.358	33.11	<0.0001	0.1180	<0.0001
4	phi008_54/...	phi109275-138	IN	0.270	21.84	<0.0001	0.0860	<0.0001
5	phi008_54/..	phi453121_217	IN	0.247	19.28	<0.0001	0.0650	<0.0001
6	phi008_54/...	phi059_157	IN	0.228	17.18	<0.0001	0.0500	<0.0001
7	phi008_54/...	umc1136_136	IN	0.192	13.75	<0.0001	0.0400	<0.0001
8	phi008_54/..	umc1143_83	IN	0.163	11.20	<0.0001	0.0340	<0.0001
9	phi008_54/...	phi109188_167	IN	0.215	15.73	<0.0001	0.0270	<0.0001
10	phi008_54/	phi114_166	IN	0.152	10.23	<0.0001	0.0220	<0.0001
11	phi008_54/..	phi051_139	IN	0.135	8.87	<0.0001	0.0190	<0.0001
12	phi008_54/...	umc1061_112	IN	0.119	7.58	<0.0001	0.0170	<0.0001
13	phi008_54/...	phi079_178	IN	0.110	6.92	0.000	0.0150	<0.0001
14	phi008_54/..	phi072_153	IN	0.110	6.85	0.000	0.0140	<0.0001
15	phi008_54/	umc1143_78	IN	0.093	5.65	0.001	0.0120	<0.0001
16	phi008_54/	phi029_151	IN	0.102	6.22	0.000	0.0110	<0.0001
17	phi008_54/..	phi051_136	IN	0.096	5.77	0.001	0.0100	<0.0001
18	phi008_54/	phi127_113	IN	0.089	5.34	0.002	0.0900	<0.0001
19	phi008_54/	phi014_159	IN	0.102	6.11	0.001	0.0800	<0.0001
20	phi008_54/..	phi96100_297	IN	0.094	5.59	0.001	0.0700	<0.0001
21	phi008_54/	phi059_154	IN	0.092	5.37	0.002	0.0700	<0.0001
22	phi008_54/	phi112_133	IN	0.090	5.22	0.002	0.0600	<0.0001
23	phi008_54/..	phi114_134	IN	0.085	4.92	0.003	0.0600	<0.0001

Continuing table 1

No. of Variable	Variables	Variable IN/OUT	Status	Patial R2	F	Pr > F	Wilks Lambda	Pr < Lambda
24	phi008_54/...	phi064_71	IN	0.105	6.14	0.001	0.0500	<0.0001
25	phi008_54/...	umc2047_126	IN	0.083	4.73	0.003	0.0500	<0.0001
26	phi008_54/..	phi014_162	IN	0.072	4.04	0.008	0.0400	<0.0001
27	phi008_54/...	phi089_87	OUT	0.084	4.74	0.003	0.0400	<0.0001
28	phi008_54/...	phi075_238	IN	0.074	4.06	0.008	0.0400	<0.0001
29	phi008_54/..	umc1136_136	IN	0.018	0.94	0.424	0.0400	<0.0001
30	phi008_54/...	phi015_95	IN	0.068	3.70	0.013	0.0300	<0.0001
31	phi008_54/...	phi112_149	IN	0.067	3.64	0.014	0.0300	<0.0001
32	phi008_54/..	phi115_301	IN	0.064	3.45	0.018	0.0300	<0.0001
33	phi008_54/...	phi062_164	IN	0.073	3.96	0.009	0.0300	<0.0001
34	phi008_54/...	phi102228_128	IN	0.082	4.41	0.005	0.0300	<0.0001
35	phi008_54/..	phi041_191	OUT	0.060	3.14	0.027	0.0200	<0.0001
36	phi008_54/...	phi084_151	IN	0.066	3.46	0.018	0.0200	<0.0001
37	phi008_54/...	umc2047_130	IN	0.078	4.14	0.008	0.0200	<0.0001
38	phi008_54/..	umc1161_137	IN	0.063	3.22	0.025	0.0200	<0.0001
39	phi008_54/...	phi051_139	IN	0.040	2.03	0.112	0.0200	<0.0001
40	phi008_54/...	phi031_189	IN	0.061	3.12	0.028	0.0200	<0.0001
41	phi008_54/..	phi064_87	IN	0.076	3.95	0.010	0.0200	<0.0001
42	phi008_54/...	phi109188_155	IN	0.075	3.84	0.011	0.0200	<0.0001
43	phi008_54/...	phi084_154	IN	0.073	3.70	0.013	0.0200	<0.0001
44	phi008_54/..	phi053_177	IN	0.073	3.71	0.013	0.0100	<0.0001
45	phi008_54/...	phi041_195	IN	0.088	4.48	0.005	0.0100	<0.0001
46	phi008_54/...	phi075_228	IN	0.065	3.20	0.025	0.0100	<0.0001

Continuing table 1

No. of Variable	Variables	Variable IN/OUT	Status	Patial R2	F	Pr > F	Wilks Lambda	Pr < Lambda
47	phi008_54/..	phi053_169	IN	0.065	3.19	0.026	0.0100	<0.0001
48	phi008_54/...	phi084_160	IN	0.066	3.25	0.024	0.0100	<0.0001
49	phi008_54/...	phi453121_223	IN	0.068	3.32	0.022	0.0100	<0.0001
50	phi008_54/..	umc1917_141	OUT	0.078	3.82	0.011	0.0100	<0.0001
51	phi008_54/...	phi308707_116	IN	0.073	3.53	0.017	0.0100	<0.0001
52	phi008_54/...	umc1917_132	IN	0.064	3.02	0.032	0.0100	<0.0001
53	phi008_54/	phi109188_163	IN	0.064	3.00	0.033	0.0100	<0.0001
54	phi008_54/	phi104127_169	IN	0.060	2.77	0.044	0.0100	<0.0001
55	phi008_54/	phi056_239	IN	0.059	2.74	0.046	0.0100	<0.0001
56	phi008_54/	phi014_159	IN	0.044	1.99	0.119	0.0100	<0.0001
57	phi008_54/	umc1332_143	IN	0.065	2.99	0.033	0.0100	<0.0001
58	phi008_54/	phi085_240	IN	0.072	3.33	0.022	0.0100	<0.0001
59	phi008_54/	umc1196_135	IN	0.071	3.25	0.024	0.0000	<0.0001
60	phi008_54/	phi96100_273	IN	0.071	3.23	0.025	0.0000	<0.0001
61	phi008_54/	umc1061_106	IN	0.074	3.36	0.021	0.0000	<0.0001
62	phi008_54/	umc1136_157	IN	0.067	2.97	0.035	0.0000	<0.0001
63	phi008_54/	phi085_255	IN	0.073	3.25	0.024	0.0000	<0.0001
64	phi008_54/	phi072_161	IN	0.078	3.46	0.019	0.0000	<0.0001
65	phi008_54/	umc2047_114	IN	0.079	3.51	0.017	0.0000	<0.0001
66	phi008_54/	umc1136_151	IN	0.072	3.13	0.028	0.0000	<0.0001
67	phi008_54/	phi014_156	IN	0.067	2.85	0.040	0.0000	<0.0001
68	phi008_54/	umc1136_139	IN	0.069	2.96	0.035	0.0000	<0.0001

* The chosen alleles had a P value of Pr < F 0.0001