

Table S5. Results of parent-child analysis with Cervus 3.0 using 900SNPS markers.

Offspring(G2)	Parent										TrioLOD score	TrioDelta score	Trio confidence
	candidate_1					candidate_2							
	Clone (G1)	mismatching			PairLODscore	Clone (G1)	mismatching			PairLODscore			
F1103_A-3	P3126_fuj1	0	/	900	74	P3086_yam1	2	/	900	120	253	253	≥ 95%
F1107_A-7	P3126_fuj1	1	/	900	75	P3086_yam1	0	/	900	130	278	278	≥ 95%
F1111_A-11	P3127_fuj2	1	/	900	106	P3126_fuj1	0	/	900	94	265	265	≥ 95%
F1112_A-12	P3127_fuj2	1	/	900	111	P3126_fuj1	0	/	900	83	253	253	≥ 95%
F1120_A-20	P3165_kar4	1	/	900	109	P3126_fuj1	2	/	900	69	237	237	≥ 95%
F1121_A-21	P3165_kar4	0	/	900	123	P3126_fuj1	1	/	900	77	263	263	≥ 95%
F1122_A-22	P3165_kar4	0	/	900	121	P3126_fuj1	1	/	900	72	263	263	≥ 95%
F1128_A-28	P3153_ima1	1	/	900	103	P3126_fuj1	2	/	900	63	241	241	≥ 95%
F1130_A-30	P3153_ima1	0	/	900	89	P3126_fuj1	0	/	900	86	243	243	≥ 95%
F1131_A-31	P3153_ima1	0	/	900	90	P3126_fuj1	1	/	900	65	238	238	≥ 95%
F1136_A-36	P3127_fuj2	2	/	900	110	P3126_fuj1	0	/	900	99	278	278	≥ 95%
F1137_A-37	P3127_fuj2	0	/	900	101	P3126_fuj1	1	/	900	90	254	254	≥ 95%
F1140_A-40	P3154_ima2	0	/	900	83	P3086_yam1	1	/	900	89	250	250	≥ 95%
F1141_A-41	P3169_kar8	1	/	900	77	P3126_fuj1	0	/	900	88	250	250	≥ 95%
F1148_A-48	P3169_kar8	1	/	900	64	P3126_fuj1	1	/	900	76	213	205	≥ 95%
F1149_A-49	P3154_ima2	1	/	900	93	Unknown1	34	/	900	-129	-143	0	
F1163_A-63	P3154_ima2	1	/	900	86	Unknown2	29	/	900	-132	-158	0	
F1166_A-66	P3154_ima2	0	/	900	74	Unknown3	29	/	900	-137	-155	0	
F1171_A-71	P3091_yam9	0	/	900	114	P3153_ima1	1	/	900	97	273	273	≥ 95%
F1172_A-72	P3091_yam9	3	/	900	86	P3153_ima1	1	/	900	102	240	227	≥ 95%
F1176_A-76	P3169_kar8	1	/	900	82	Unknown4	34	/	900	-159	-195	0	
F1210_B-10	P3129_fuj5	0	/	900	67	P3162_kar1	0	/	900	101	249	249	≥ 95%
F1214_B-14	P3129_fuj5	0	/	900	75	P3162_kar1	0	/	900	81	234	234	≥ 95%
F1216_B-16	P3129_fuj5	0	/	900	91	P3162_kar1	1	/	900	84	256	256	≥ 95%
F1218_B-18	P3129_fuj5	0	/	900	71	P3153_ima1	0	/	900	90	231	231	≥ 95%
F1220_B-20	P3129_fuj5	0	/	900	69	P3153_ima1	0	/	900	81	224	224	≥ 95%
F1221_B-21	P3129_fuj5	0	/	900	231	Unknown5	67	/	900	-251	-6	0	
F1222_B-22	P3129_fuj5	0	/	900	54	P3126_fuj1	0	/	900	79	221	221	≥ 95%
F1226_B-26	P3129_fuj5	0	/	900	87	Unknown6	35	/	900	-152	-148	0	
F1227_B-27	P3129_fuj5	1	/	900	82	P3170_kar10	1	/	900	119	275	275	≥ 95%
F1229_B-29	P3129_fuj5	0	/	900	72	P3126_fuj1	0	/	900	59	217	217	≥ 95%
F1230_B-30	P3129_fuj5	0	/	900	70	P3126_fuj1	0	/	900	62	224	224	≥ 95%
F1238_B-38	P3139_fuj15	0	/	900	91	P3153_ima1	0	/	900	105	277	277	≥ 95%
F1240_B-40	P3139_fuj15	0	/	900	93	P3153_ima1	0	/	900	99	279	279	≥ 95%
F1250_B-50	P3148_fuj25	0	/	900	87	P3129_fuj5	0	/	900	96	245	245	≥ 95%
F1254_B-54	P3148_fuj25	0	/	900	84	P3129_fuj5	0	/	900	93	249	249	≥ 95%
F1255_B-55	P3148_fuj25	0	/	900	92	P3129_fuj5	0	/	900	109	275	275	≥ 95%
F1256_B-56	P3148_fuj25	0	/	900	89	P3149_fuj26	1	/	900	95	249	249	≥ 95%
F1259_B-59	P3148_fuj25	0	/	900	99	P3152_fuj29	0	/	900	130	286	286	≥ 95%
F1261_B-61	P3148_fuj25	3	/	900	87	P3152_fuj29	0	/	900	132	278	278	≥ 95%
F1265_B-65	P3148_fuj25	0	/	900	97	P3149_fuj26	1	/	900	88	256	256	≥ 95%
F1274_B-74	P3148_fuj25	1	/	900	94	P3152_fuj29	1	/	900	125	274	274	≥ 95%
F1275_B-75	P3149_fuj26	2	/	900	85	P3148_fuj25	1	/	900	105	252	252	≥ 95%
F1282_B-82	P3149_fuj26	0	/	900	86	P3153_ima1	0	/	900	82	239	239	≥ 95%
F1293_B-93	P3162_kar1	3	/	900	102	P3124_sag3	0	/	900	110	260	260	≥ 95%
F1294_B-94	P3162_kar1	0	/	900	113	P3124_sag3	0	/	900	124	302	302	≥ 95%
F1303_ima_33-11	P3156_kan2	2	/	900	90	P3152_fuj29	0	/	900	105	257	257	≥ 95%
F1304_ima_24-5	P3162_kar1	1	/	900	110	P3154_ima2	0	/	900	100	262	262	≥ 95%
F1306_oom_05-06	P3154_ima2	1	/	900	83	Unknown7	28	/	900	-79	-102	0	
F1307_oom_07-07	P3154_ima2	0	/	900	69	P3086_yam1	2	/	900	93	238	238	≥ 95%
F1308_oom_31-03	P3086_yam1	0	/	900	108	P3127_fuj2	1	/	900	89	271	271	≥ 95%
F1309_oom_24-12	P3169_kar8	0	/	900	116	P3091_yam9	3	/	900	125	269	269	≥ 95%
F1310_oom_20-04	P3169_kar8	1	/	900	84	P3086_yam1	0	/	900	92	255	255	≥ 95%
F1312_oom_05-08	P3154_ima2	1	/	900	107	Unknown8	28	/	900	-71	-55	0	

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	candidate_1					candidate_2							
	Clone (G1)	mismatching			PairLODscore	Clone (G1)	mismatching			PairLODscore			
F1313_oom_05-03	P3154_ima2	2	/	900	62	Unknown9	35	/	900	-105	-122	0	
F1314_oom_08-04	P3154_ima2	0	/	900	73	P3086_yam1	1	/	900	88	231	231	≥ 95%
F1315_tar_11-01	P3139_fuj15	0	/	900	103	P3129_fuj5	0	/	900	63	239	239	≥ 95%
F1316_tar_11-03	P3139_fuj15	1	/	900	103	P3129_fuj5	0	/	900	62	247	247	≥ 95%
F1317_tar_08-12	P3129_fuj5	1	/	900	85	P3107_kas1	0	/	900	93	246	246	≥ 95%
F1318_tar_10-01	P3139_fuj15	0	/	900	99	P3126_fuj1	1	/	900	91	270	270	≥ 95%
F1319_tar_08-06	P3129_fuj5	0	/	900	82	P3107_kas1	0	/	900	95	254	254	≥ 95%
F1320_tar_08-02	P3129_fuj5	0	/	900	80	P3107_kas1	0	/	900	87	242	242	≥ 95%
F1321_tar_13-10	P3139_fuj15	0	/	900	98	P3165_kar4	1	/	900	103	277	277	≥ 95%
F1322_tar_10-07	P3139_fuj15	1	/	900	97	P3126_fuj1	1	/	900	71	236	236	≥ 95%
F1323_tar_08-09	P3129_fuj5	0	/	900	81	P3107_kas1	0	/	900	98	251	251	≥ 95%
F1324_tar_08-11	P3129_fuj5	0	/	900	91	P3107_kas1	0	/	900	96	268	268	≥ 95%
F1325_tar_10-06	P3139_fuj15	1	/	900	108	P3126_fuj1	2	/	900	69	254	254	≥ 95%
F1326_ima-1	P3141_fuj17	2	/	900	101	P3149_fuj26	0	/	900	77	256	256	≥ 95%
F1327_ima-2	P3141_fuj17	1	/	900	110	P3149_fuj26	0	/	900	86	276	276	≥ 95%
F1328_ima-3	P3107_kas1	4	/	900	76	P3149_fuj26	0	/	900	92	230	230	≥ 95%
F1329_ima-4	P3165_kar4	0	/	900	117	P3129_fuj5	0	/	900	91	268	268	≥ 95%
F1330_ima-5	P3141_fuj17	5	/	900	102	P3169_kar8	0	/	900	91	268	268	≥ 95%
F1331_ima-6	P3141_fuj17	2	/	900	107	P3169_kar8	0	/	900	95	275	275	≥ 95%
F1332_ima-7	P3148_fuj25	2	/	900	90	P3153_ima1	0	/	900	99	263	263	≥ 95%
F1333_ima-8	P3149_fuj26	0	/	900	77	P3141_fuj17	0	/	900	109	264	264	≥ 95%
F1334_ima-9	P3149_fuj26	1	/	900	89	P3162_kar1	1	/	900	88	253	253	≥ 95%
F1335_ima-10	P3162_kar1	2	/	900	85	P3126_fuj1	0	/	900	79	242	242	≥ 95%
F1336_ima-11	P3162_kar1	1	/	900	96	P3134_fuj10	0	/	900	97	262	262	≥ 95%
F1337_ima-12	P3162_kar1	0	/	900	105	P3154_ima2	0	/	900	128	281	281	≥ 95%
F1338_ima-13	P3107_kas1	1	/	900	104	P3149_fuj26	0	/	900	87	256	256	≥ 95%
F1339_ima-14	P3107_kas1	2	/	900	92	P3149_fuj26	0	/	900	100	254	254	≥ 95%
F1340_sef-1	P3126_fuj1	0	/	900	88	P3156_kan2	0	/	900	89	251	251	≥ 95%
F1341_sef-2	P3129_fuj5	0	/	900	71	P3149_fuj26	0	/	900	65	219	219	≥ 95%
F1342_sef-3	P3134_fuj10	0	/	900	108	P3126_fuj1	0	/	900	91	264	264	≥ 95%
F1343_sef-4	P3134_fuj10	1	/	900	102	P3149_fuj26	1	/	900	84	252	252	≥ 95%
F1344_sef-5	P3134_fuj10	3	/	900	81	P3152_fuj29	0	/	900	116	270	270	≥ 95%
F1345_sef-6	P3134_fuj10	1	/	900	108	P3162_kar1	1	/	900	102	279	279	≥ 95%
F1346_sef-7	P3134_fuj10	0	/	900	90	P3156_kan2	0	/	900	94	262	262	≥ 95%
F1347_sef-8	P3134_fuj10	0	/	900	106	P3156_kan2	1	/	900	103	287	287	≥ 95%
F1348_sef-9	P3134_fuj10	1	/	900	90	P3156_kan2	1	/	900	94	253	253	≥ 95%
F1349_sef-10	P3134_fuj10	1	/	900	86	P3154_ima2	0	/	900	109	262	262	≥ 95%
F1350_sef-11	P3134_fuj10	1	/	900	82	P3154_ima2	1	/	900	102	247	247	≥ 95%
F1351_sef-12	P3134_fuj10	1	/	900	94	P3154_ima2	1	/	900	95	256	256	≥ 95%
F1352_sef-13	P3141_fuj17	3	/	900	106	P3126_fuj1	0	/	900	68	257	257	≥ 95%
F1353_sef-14	P3168_kar7	1	/	900	95	P3149_fuj26	0	/	900	118	269	269	≥ 95%
F1354_sef-15	P3168_kar7	1	/	900	104	P3149_fuj26	1	/	900	103	266	212	≥ 95%
F1355_sef-16	P3149_fuj26	2	/	900	51	P3129_fuj5	0	/	900	89	229	229	≥ 95%
F1357_sef-18	P3126_fuj1	1	/	900	73	P3086_yam1	1	/	900	103	246	246	≥ 95%
F1358_sef-19	P3126_fuj1	1	/	900	72	P3168_kar7	2	/	900	97	252	210	≥ 95%
F1359_sef-20	P3126_fuj1	0	/	900	86	P3086_yam1	3	/	900	114	270	270	≥ 95%
F1361_sef-22	P3154_ima2	0	/	900	96	P3127_fuj2	1	/	900	107	276	276	≥ 95%