

11- Set - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
A1	20	30	192	2.45	291	PRES	DECU	1	53.0	130M	1	53		130M	
A1	20	30	194	4.34	253	GUAR	BULL	1	47.0	130M	1	47		130M	
A1	20	30	198	9.75	283	RINO	DEFL	1	70.0	130M	2	70	Mul	130M	
A1	20	30	198	9.75	283	RINO	DEFL	2	23.0	130M	2	23.0	Mul	130M	
A1	20	30	203	10.73	244	RINO	DEFL	1	87.0	130M	1	87		130M	
A1	20	30	205	6.72	247	CYMB	TORU	1	40.0	130M	1	40		130M	
A1	20	30	209	9.22	222	GEON	CONG	2	28.1	130M	17	28.1	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	3	31.1	130M	17	31.1	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	4	25.8	130M	17	25.8	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	5	28.8	130M	17	28.8	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	6	21.2	130M	17	21.2	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	7	24.5	130M	17	24.5	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	8	23.8	130M	17	23.8	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	9	33.5	130M	17	33.5	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	10	33.3	130M	17	33.3	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	11	26.2	130M	17	26.2	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	12	31.3	130M	17	31.3	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	13	35.5	130M	17	35.5	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	14	27.5	130M	17	27.5	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	15	27.7	130M	17	27.7	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	16	25.8	130M	17	26.0	Mul	130M	
A1	20	30	209	9.22	222	GEON	CONG	17	27.0	130M	17	27.0	Mul	130M	Tiene un tallo nuevo
A1	20	30	210	7.60	229	GEON	CONG	2	27.7	130M	5	27.7	Mul	130M	
A1	20	30	210	7.60	229	GEON	CONG	8	20.9	130M	5	20.9	Mul	130M	
A1	20	30	210	7.60	229	GEON	CONG	13	23.5	130M	5	23.7	Mul	130M	
A1	20	30	210	7.60	229	GEON	CONG	14	19.3	130M	5	19.3	Mul	130M	
A1	20	30	210	7.60	229	GEON	CONG	15	22.9	130M	5	23.0	Mul	130M	
A1	20	30	211	5.87	240	GEON	CONG	1	20.1	130M	4	20.1	Mul	130M	

11-Set-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
A1	20	30	211	5.87	240	GEON	CONG	2	18.4	130M	4	18.4	Mul	130M	
A1	20	30	211	5.87	240	GEON	CONG	4	26.3	130M	4	26.3	Mul	130M	
A1	20	30	211	5.87	240	GEON	CONG	5	26.7	130M	4	26.7	Mul	130M	
A1	20	30	219	11.75	247	PERE	HISP	1	19.3	130M	1	19.3		130M	
A1	20	30	228	7.20	265	CEST	MICR	2	52.0	130M	3	9049	Mul	130M	9003 sin causa
A1	20	30	228	7.20	265	CEST	MICR	3	23.6	130M	3	23.8	Mul	130M	
A1	20	30	228	7.20	265	CEST	MICR	4	17.6	130M	3	20.0	Mul	130M	
A1	20	30	229	7.95	277	GOET	MEIA	1	75.0	130M	1	78		130M	
A1	20	30	230	12.75	247	COLU	SPIN	1	17.3	130M	1	17.3		130M	
A1	20	30	231	9.55	225	SOLA	CIRC	1	61.0	130M	1	61		130M	
A1	20	30	59	5.50	288	ZYGI	GIGA	1	13.0	1000	4	13.0	Mul	1000	
A1	20	30	59	5.50	288	ZYGI	GIGA	2	14.0	1000	4	14.2	Mul	1000	
A1	20	30	59	5.50	288	ZYGI	GIGA	3	14.3	1000	4	14.3	Mul	1000	
A1	20	30	59	5.50	288	ZYGI	GIGA	4	14.4	1000	4	14.4	Mul	1000	
A1	20	30	236	8.71	225	GOET	MEIA	1	69.0	130M	1	78		130M	
A1	20	30	237	8.55	227	GOET	MEIA	1	18.3	130M	-	9003	-	-	Horizontal sin causa
A1	20	30	238	9.55	237	GOET	MEIA	1	52.0	130M	1	55		130M	
A1	20	30	239	9.75	260	GOET	MEIA	1	82.0	130M	1	90		130M	
A1	20	30	240	9.88	248	MICO	SP	1	12.5	130M	1	12.5		130M	
A1	20	30	241	5.70	204			1	21.6	130M	1	22.1		130M	
A1	20	30	245	3.03	263	PRES	DECU	1	63.0	130M	1	63		130M	
A1	20	30	246	8.21	222	RAUV	PURP	1	10.6	130M	-	9003	-	-	Horizontal sin causa
A1	20	30	257	8.17	252	PRES	DECU	1	63.0	130M	1	63		130M	
A1	20	30	258	1.37	220	GEON	CONG	1	13.2	130M	1	13.2		130M	
A1	20	30	209	9.22	222	Geon	Conq	18	-	-	17	27.8		130M	

obvia
AIT
5.83

Horizontal sin causa obvia

Horizontal sin causa obvia

19-Set-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
A2	20	30	286	2.89	41	LICA	SARA	1	53.0	130M	1	53		130M	
A2	20	30	287	1.71	24	GEON	CONG	1	15.2	130M	2	15.2	Mul	130M	
A2	20	30	287	1.71	24	GEON	CONG	2	16.8	130M	2	16.8	Mul	130M	
A2	20	30	288	5.08	21	ANAX	CRAS	1	45.0	130M	1	48		130M	
A2	20	30	289	4.73	40	ANAX	CRAS	1	41.0	130M	1	43		130M	
A2	20	30	291	5.71	58	ANAX	CRAS	1	24.2	130M	-	9003	-	-	Horizontal sin causa obvio.
A2	20	30	291	5.71	58	ANAX	CRAS	2	29.1	130M	1	31.3		130M	
A2	20	30	292	6.24	50	FARA	PARV	1	78.0	130M	1	81		130M	
A2	20	30	294	6.57	45	PIPE	CENO	1	22.0	130M	2	22.0	Mul	130M	
A2	20	30	294	6.57	45	PIPE	CENO	2	25.7	130M	2	25.7	Mul	130M	
A2	20	30	295	8.07	45	MAQU	GUIA	1	14.4	130M	1	14.7		130M	
A2	20	30	296	7.68	37	DICH	AXIL	1	15.5	130M	1	16.1		130M	
A2	20	30	297	8.73	59	SWAR	OCHN	1	34.0	1000	1	34.0		1000	
A2	20	30	298	9.27	47	LACI	AGGR	1	35.7	130M	1	37.4		130M	
A2	20	30	299	8.86	37	ANAX	CRAS	1	69.0	130M	1	69		130M	
A2	20	30	300	8.83	11	ANAX	CRAS	1	47.0	130M	1	49		130M	
A2	20	30	301	8.00	10	GUAT	AMPL	1	22.6	130M	1	22.7		130M	
A2	20	30	303	8.00	350	ANAX	CRAS	1	24.6	130M	1	26.0		130M	
A2	20	30	304	7.68	353	SWAR	OCHN	1	32.1	130M	1	32.3		130M	
A2	20	30	305	9.81	345	GUAT	AMPL	2	37.0	130M	4	39.5	Mul	130M	
A2	20	30	305	9.81	345	GUAT	AMPL	3	35.6	130M	4	38.3	Mul	130M	
A2	20	30	305	9.81	345	GUAT	AMPL	4	23.2	130M	4	23.3	Mul	130M	
A2	20	30	305	9.81	345	GUAT	AMPL	5	13.7	130M	4	13.8	Mul	130M	
A2	20	30	314	1.23	356	ANAX	CRAS	1	19.4	130M	1	19.5		130M	
A2	20	30	321	5.08	21	BYRS	ARTH	1	17.1	130M	1	17.1		130M	
A2	20	30	324	8.60	18	ANAX	CRAS	1	13.8	130M	1	14.8		130M	
A2	20	30	326	9.41	355	-99	-99	1	11.8	130M	1	11.8		130M	Pocas hojas
A2	20	30	344	8.00	10	CRYO	WARS	1	58.0	130M	1	58		130M	

[illegible]

2 - Oct - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfid12	AltMed12	NT13	Dfid13	MUL13	AltMed13	Commentarios13
A3	20	30	246	2.77	101	RINO	DEFL	1	38.2	130M	1	38.9		130M	
A3	20	30	247	4.19	110	ANAX	CRAS	1	96.0	130M	1	98		130M	
A3	20	30	248	6.45	105	POSO	GRFR	1	37.3	130M	1	37.8		130M	
A3	20	30	249	6.24	112	FARA	SUER	1	31.0	130M	2	31.1	Mul	130M	
A3	20	30	249	6.24	112	FARA	SUER	2	15.7	130M	2	15.7	Mul	130M	
A3	20	30	252	12.85	123	DIPT	PANA	1	32.0	130M	1	32.0		130M	
A3	20	30	254	12.45	127	PINZ	CORI	1	49.0	130M	1	49		130M	
A3	20	30	255	12.76	138	PENT	MONO	1	25.6	130M	1	25.6		130M	
A3	20	30	256	9.15	127	POSO	GRFR	1	40.0	130M	2	40	Mul	130M	
A3	20	30	256	9.15	127	POSO	GRFR	2	27.5	130M	2	27.8	Mul	130M	
A3	20	30	257	9.16	127	POSO	GRFR	1	24.7	130M	1	25.3		130M	
A3	20	30	258	9.14	126	POSO	GRFR	1	27.5	130M	1	27.5		130M	
A3	20	30	259	8.46	125	POSO	GRFR	1	44.0	130M	1	44		130M	
A3	20	30	260	8.45	124	POSO	GRFR	1	24.0	130M	1	24.0		130M	
A3	20	30	261	8.45	125	POSO	GRFR	2	21.4	130M	1	21.4		130M	
A3	20	30	262	7.90	137	ANAX	CRAS	1	96.0	130M	1	96		130M	
A3	20	30	263	9.20	156	LIAN	SP	1	29.7	130M	1	29.8		130M	
A3	20	30	271	11.95	132	PRES	PITT	1	14.9	130M	1	15.8		130M	
A3	20	30	272	4.48	143	RINO	DEFL	1	43.0	130M	1	44		130M	
A3	20	30	277	6.68	152	HIRT	LEMS	1	11.6	130M	1	12.2		130M	
A3	20	30	288	10.75	136	CASS	ELLI	1	12.7	130M	1	13.3		130M	

11- OCT- 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfid12	AltMed12	NT13	Dfid13	MUL13	AltMed13	Commentarios13
A4	20	30	230	1.80	197	MELI	DONN	1	58.0	130M	1	58		130M	
A4	20	30	231	5.27	213	GUAR	GENT	1	39.6	130M	1	39.6		130M	
A4	20	30	232	6.55	208	GEON	CONG	1	23.8	130M	19	23.8	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	2	21.3	130M	19	21.3	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	3	28.5	130M	19	28.5	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	4	33.1	130M	19	33.1	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	5	32.9	130M	19	33.0	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	6	34.3	130M	19	34.3	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	7	27.8	130M	19	27.8	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	10	31.2	130M	—	9003	—	—	
A4	20	30	232	6.55	208	GEON	CONG	11	21.5	130M	19	21.5	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	12	27.5	130M	19	27.5	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	13	28.2	130M	19	28.2	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	15	28.3	130M	19	28.3	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	16	31.9	130M	19	31.9	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	17	26.1	130M	19	26.1	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	18	27.8	130M	19	27.8	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	19	26.1	130M	19	26.1	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	20	20.4	130M	19	20.4	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	21	26.2	130M	19	26.2	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	22	24.9	130M	19	24.9	Mul	130M	
A4	20	30	232	6.55	208	GEON	CONG	23	20.6	130M	19	20.7	Mul	130M	
A4	20	30	234	7.30	194	ZYGI	GIGA	1	66.0	130M	1	66		130M	
A4	20	30	235	7.45	191	DICH	AXIL	1	29.2	130M	1	29.3		130M	
A4	20	30	236	8.15	197	RAND	MIRA	1	35.2	130M	1	35.2		130M	
A4	20	30	237	9.13	195	QUAR	BRAC	1	13.5	130M	1	13.9		130M	
A4	20	30	238	9.50	193	PTER	SP.A	1	34.9	130M	1	34.9		130M	
A4	20	30	240	10.69	193	COLU	SPIN	1	22.5	130M	1	22.5		130M	

11- OCT - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
A4	20	30	241	11.35	192	MAQU	GUIA	1	19.5	130M	1	19.7		130M	
A4	20	30	242	11.42	188	CUPA	PSEU	1	81.0	130M	1	82		130M	
A4	20	30	244	9.80	179	POUT	RETI	1	68.0	130M	1	69		130M	
A4	20	30	245	10.30	177	DEND	ARBO	1	21.5	130M	1	21.5		130M	
A4	20	30	246	10.57	177	DEND	ARBO	1	21.1	130M	1	20.3		130M	
A4	20	30	247	11.35	168	CEST	MICR	1	47.0	1000	—	9003	—	—	Horizontal sin causa obvia
A4	20	30	247	11.35	168	CEST	MICR	2	28.1	1000	—	9003	—	—	Horizontal sin causa obvia
A4	20	30	248	9.62	170	CARP	PLAT	1	31.6	130M	2	31.8	Mul	130M	
A4	20	30	248	9.62	170	CARP	PLAT	2	30.5	130M	2	30.7	Mul	130M	
A4	20	30	249	9.18	162	GEON	CONG	1	29.5	130M	6	29.5	Mul	130M	
A4	20	30	249	9.18	162	GEON	CONG	2	30.2	130M	6	30.2	Mul	130M	
A4	20	30	249	9.18	162	GEON	CONG	3	27.5	130M	6	27.5	Mul	130M	
A4	20	30	249	9.18	162	GEON	CONG	4	27.6	130M	6	27.6	Mul	130M	
A4	20	30	249	9.18	162	GEON	CONG	5	24.6	130M	6	24.6	Mul	130M	
A4	20	30	249	9.18	162	GEON	CONG	6	26.7	130M	6	26.7	Mul	130M	
A4	20	30	250	8.85	157	CYMB	COST	1	38.0	130M	2	38.0	Mul	130M	
A4	20	30	250	8.85	157	CYMB	COST	2	38.3	130M	2	38.3	Mul	130M	
A4	20	30	251	9.62	148	POUT	RETI	1	80.0	130M	1	80		130M	
A4	20	30	252	6.61	143	RINO	DEFL	1	17.1	130M	1	17.1		130M	
A4	20	30	255	7.20	179	CARP	PLAT	1	22.4	130M	1	23.3		130M	
A4	20	30	257	5.12	168	COLU	SPIN	1	21.2	130M	1	21.2		130M	
A4	20	30	258	4.75	148	RINO	DEFL	1	24.9	130M	1	25.4		130M	
A4	20	30	259	2.71	156	MICO	SP	1	18.3	130M	1	20.0		130M	
A4	20	30	266	9.67	208	PRES	DECU	1	66.0	130M	1	66		130M	
A4	20	30	267	9.60	220	QUAR	PUMI	1	12.2	130M	1	12.5		130M	
A4	20	30	288	12.57	175	Viro	Sebi	1	—	—	1	10.4		130M	

21-OCT-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
A5	20	30	240	3.67	83	HERR	PURP	1	38.0	130M	1	38.0		130M	
A5	20	30	242	5.60	48	LIAN	SP	1	18.1	130M	1	18.5		130M	
A5	20	30	243	4.68	43	CASE	ARBO	1	86.0	130M	1	87		130M	
A5	20	30	244	5.55	57	OTOB	NOVO	1	14.7	130M	1	14.8		130M	
A5	20	30	245	7.20	48	RINO	DEFL	1	21.7	130M	1	21.7		130M	
A5	20	30	247	9.00	59	ZYGI	GIGA	1	42.0	130M	2	42	Mul	130M	
A5	20	30	247	9.00	59	ZYGI	GIGA	2	11.6	130M	2	12.3	Mul	130M	
A5	20	30	248	8.10	67	MICO	MULT	1	61.0	130M	1	63		130M	
A5	20	30	250	7.81	83	GEON	CONG	1	28.8	130M	24	28.8	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	2	24.3	130M	24	24.3	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	3	31.5	130M	24	31.5	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	4	24.6	130M	24	24.6	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	5	24.3	130M	24	24.3	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	7	20.3	130M	24	20.3	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	8	26.1	130M	24	26.1	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	9	30.9	130M	24	31.0	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	10	24.5	130M	24	24.5	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	11	28.5	130M	24	28.5	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	12	31.8	130M	24	31.8	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	13	25.7	130M	24	25.7	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	14	20.4	130M	24	20.4	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	15	31.2	130M	24	31.2	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	16	30.4	130M	24	30.4	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	17	25.5	130M	24	25.5	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	18	25.9	130M	24	26.0	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	19	20.0	130M	24	20.0	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	20	26.2	130M	24	26.2	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	21	22.2	130M	24	22.2	Mul	130M	

21- OCT- 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
A5	20	30	250	7.81	83	GEON	CONG	22	25.8	130M	24	25.8	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	23	28.2	130M	24	28.2	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	24	16.7	130M	24	16.8	Mul	130M	
A5	20	30	250	7.81	83	GEON	CONG	25	23.6	130M	24	23.6	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	1	24.8	130M	12	24.8	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	2	26.4	130M	12	26.4	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	3	21.7	130M	12	21.7	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	4	18.7	130M	12	18.7	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	5	20.2	130M	12	20.2	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	6	22.7	130M	12	22.7	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	7	23.7	130M	12	23.7	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	9	16.6	130M	12	16.7	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	10	19.1	130M	12	19.1	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	11	19.5	130M	—	9003	—	—	Horizontal sin causa obvia
A5	20	30	251	11.25	88	GEON	CONG	13	24.4	130M	12	24.4	Mul	130M	
A5	20	30	251	11.25	88	GEON	CONG	14	17.8	130M	12	17.9	Mul	130M	
A5	20	30	252	9.17	122	JACA	DOLI	1	63.0	130M	1	63		130M	
A5	20	30	253	8.51	117	ANNO	SUBN	1	35.5	130M	1	36.6		130M	
A5	20	30	254	3.92	116	LACI	AGGR	1	28.3	130M	1	29.5		130M	
A5	20	30	255	3.76	120	QUAR	PUMI	1	13.0	130M	1	13.2		130M	
A5	20	30	251	11.25	88	Geon	Cong	15	—	—	12	18.2	Mul	130M	
A5	20	30	293	11.90	72	Quar	Pumi	1	—	—	1	10.7		130M	Quararibea Pumila
															Malvaceae Orlando
															Vargos









4 - NOV - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
A6	20	30	250	1.56	97	FARA	SUER	1	34.2	130M	3	34.2	Mul	130M	
A6	20	30	250	1.56	97	FARA	SUER	2	25.8	130M	3	25.8	Mul	130M	
A6	20	30	250	1.56	97	FARA	SUER	3	11.3	130M	3	11.3	Mul	130M	
A6	20	30	251	3.90	32	SYNE	WARS	1	27.3	130M	-	9003	-	-	Horizontal sin causa obvia.
A6	20	30	251	3.90	32	SYNE	WARS	2	22.2	130M	4	22.2	Mul	130M	
A6	20	30	251	3.90	32	SYNE	WARS	3	21.5	130M	4	21.5	Mul	130M	
A6	20	30	251	3.90	32	SYNE	WARS	4	24.1	130M	4	24.1	Mul	130M	
A6	20	30	251	3.90	32	SYNE	WARS	6	20.7	130M	4	20.7	Mul	130M	
A6	20	30	252	3.98	63	GEON	CONG	1	18.5	130M	3	18.5	Mul	130M	
A6	20	30	252	3.98	63	GEON	CONG	2	16.2	130M	3	16.3	Mul	130M	
A6	20	30	252	3.98	63	GEON	CONG	3	23.5	130M	3	23.5	Mul	130M	
A6	20	30	253	4.75	75	SIPA	PAUC	1	33.0	130M	1	33.7		130M	
A6	20	30	254	5.92	88	FARA	SUER	1	19.3	130M	-	9003	-	-	Horizontal sin causa obvia
A6	20	30	255	7.58	92	COUS	TALA	1	27.3	130M	2	27.3	Mul	130M	
A6	20	30	255	7.58	92	COUS	TALA	2	26.1	130M	2	27.1	Mul	130M	
A6	20	30	256	10.27	89	GEON	CONG	1	18.4	130M	5	18.4	Mul	130M	
A6	20	30	256	10.27	89	GEON	CONG	2	21.0	130M	5	21.0	Mul	130M	
A6	20	30	256	10.27	89	GEON	CONG	3	12.6	130M	5	12.7	Mul	130M	
A6	20	30	256	10.27	89	GEON	CONG	4	19.7	130M	5	19.7	Mul	130M	Tiene un Tallo nuevo
A6	20	30	257	12.31	76	PENT	MONO	1	17.5	130M	1	17.6		130M	
A6	20	30	259	9.97	56	FARA	PARV	1	29.5	130M	1	29.5		130M	
A6	20	30	260	10.56	58	HERR	PURP	1	39.9	130M	2	39.9	Mul	130M	
A6	20	30	260	10.56	58	HERR	PURP	2	16.8	130M	-	9003	-	-	Horizontal sin causa obvia
A6	20	30	260	10.56	58	HERR	PURP	3	12.2	130M	2	12.7	Mul	130M	
A6	20	30	262	9.53	40	GEON	CONG	1	21.4	130M	3	21.5	Mul	130M	
A6	20	30	262	9.53	40	GEON	CONG	2	19.6	130M	3	19.6	Mul	130M	
A6	20	30	262	9.53	40	GEON	CONG	3	18.8	130M	3	18.8	Mul	130M	
A6	20	30	267	9.95	73	PROT	PANA	1	12.5	130M	1	12.5		130M	

4-NOV-2013

[illegible]

13 - Set - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
L1	20	30	333	0.23	134	RYAN	SPEC	1	71.0	130M	1	9072		130M	9003 sin causa
L1	20	30	334	0.39	121	RYAN	SPEC	1	54.0	130M	1	54		130M	
L1	20	30	337	3.42	165	PROT	PANA	1	22.0	130M	1	22.2		130M	
L1	20	30	338	3.83	163	RYAN	SPEC	1	53.0	130M	1	53		130M	
L1	20	30	339	4.17	155	POUT	TORT	1	15.7	130M	1	16.0		130M	
L1	20	30	341	4.85	159	-99	-99	1	31.8	130M	1	31.8		130M	
L1	20	30	344	7.59	132	RINO	DEFL	1	57.0	130M	1	57		130M	
L1	20	30	345	7.48	122	RYAN	SPEC	1	29.5	130M	1	29.6		130M	
L1	20	30	346	8.36	122	GEON	CONG	1	18.6	130M	3	18.7	Mul	130M	
L1	20	30	346	8.36	122	GEON	CONG	2	15.7	130M	3	15.7	Mul	130M	
L1	20	30	346	8.36	122	GEON	CONG	3	25.1	130M	3	25.1	Mul	130M	
L1	20	30	347	9.82	129	NAUC	NAGA	1	85.0	130M	1	87		130M	
L1	20	30	348	10.30	142	WARS	COCC	1	69.0	130M	1	70		130M	
L1	20	30	349	12.25	165	PENT	MACR	2	23.2	130M	1	23.2		130M	
L1	20	30	350	10.79	168	TRIC	SEPT	1	79.0	1000	1	79		1000	
L1	20	30	351	10.65	168	LIAN	SP	1	15.3	130M	-	9003	-	-	
L1	20	30	353	10.45	177	GEON	CONG	1	24.1	130M	3	24.1	Mul	130M	
L1	20	30	353	10.45	177	GEON	CONG	2	16.8	130M	3	16.8	Mul	130M	
L1	20	30	353	10.45	177	GEON	CONG	3	22.1	130M	3	22.1	Mul	130M	
L1	20	30	354	9.18	165	LIAN	SP	1	33.0	130M	1	33.0		130M	
L1	20	30	356	9.39	159	TROP	INVO	1	11.5	130M	1	11.5		130M	
L1	20	30	357	9.84	164	PROT	PANA	1	23.5	130M	1	23.5		130M	
L1	20	30	358	9.18	165	NAUC	NAGA	1	46.0	130M	1	46		130M	
L1	20	30	359	7.81	161	LIAN	SP	1	49.0	130M	-	9003	-	-	
L1	20	30	362	7.76	172	SYNE	WARS	1	23.5	130M	2	23.5	Mul	130M	
L1	20	30	362	7.76	172	SYNE	WARS	2	25.0	130M	2	25.0	Mul	130M	
L1	20	30	363	7.38	175	GUAR	GENT	1	13.2	130M	1	13.2		130M	
L1	20	30	364	6.70	173	PERE	HISP	1	15.6	130M	1	15.6		130M	

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13-Set-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
L1	20	30	366	6.88	167	SLOA	LAEV	1	40.0	130M	1	42		130M	
L1	20	30	368	5.15	209	CRYO	WARS	1	69.0	130M	1	69		130M	
L1	20	30	371	8.58	183	SYNE	WARS	1	29.5	130M	1	29.5		130M	
L1	20	30	372	9.50	201	PERE	HISP	1	34.5	130M	1	34.5		130M	
L1	20	30	374	3.76	137	GEON	CONG	1	28.5	130M	9	28.5	Mul	130M	
L1	20	30	374	3.76	137	GEON	CONG	2	23.5	130M	—	9003	—	—	
L1	20	30	374	3.76	137	GEON	CONG	3	25.6	130M	9	25.6	Mul	130M	
L1	20	30	374	3.76	137	GEON	CONG	5	23.5	130M	9	23.5	Mul	130M	
L1	20	30	374	3.76	137	GEON	CONG	6	19.2	130M	9	19.2	Mul	130M	
L1	20	30	374	3.76	137	GEON	CONG	8	22.5	130M	9	22.5	Mul	130M	
L1	20	30	374	3.76	137	GEON	CONG	9	20.9	130M	9	20.9	Mul	130M	
L1	20	30	374	3.76	137	GEON	CONG	10	23.1	130M	9	23.1	Mul	130M	
L1	20	30	374	3.76	137	GEON	CONG	11	25.7	130M	9	25.7	Mul	130M	Tiene un Tallo nuevo
L1	20	30	375	12.21	151	GEON	CONG	1	28.1	130M	16	28.1	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	2	24.2	130M	16	24.2	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	3	15.4	130M	16	15.5	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	4	26.4	130M	16	26.4	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	5	14.9	130M	16	15.0	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	6	22.4	130M	16	22.4	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	7	22.2	130M	16	22.2	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	9	23.4	130M	16	23.4	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	10	26.4	130M	16	26.4	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	11	25.2	130M	16	25.2	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	12	22.8	130M	16	22.8	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	13	24.0	130M	16	24.1	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	14	25.4	130M	16	25.4	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	15	25.7	130M	16	25.7	Mul	130M	
L1	20	30	375	12.21	151	GEON	CONG	16	21.5	130M	16	21.5	Mul	130M	Tiene un Tallo nuevo

13-Set-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfid12	AltMed12	NT13	Dfid13	MUL13	AltMed13	Commentarios13
L1	20	30	392	10.13	135	LIAN	SP	1	19.1	130M	1	21.5		130M	
L1	20	30	402	10.13	135			1	14.2	130M	1	14.8		130M	Pocas hojas
L1	20	30	408	8.62	132	SYNE	WARS	1	22.1	130M	1	22.1		130M	
L1	20	30	374	3.76	137	Geon	cong	12	-	-	9	22.8	Mul	130M	
L1	20	30	375	12.21	151	Geon	cong	17	-	-	16	19.8	Mul	130M	

24-Set-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
L2	20	30	356	1.74	348	PSYC	ELAT	1	24.2	130M	2	25.0	Mul	130M	
L2	20	30	356	1.74	348	PSYC	ELAT	2	14.0	130M	2	18.2	Mul	130M	
L2	20	30	357	4.85	5	OCOT	LAET	1	24.3	130M	—	9003	—	—	Horizontal sin causa obvia
L2	20	30	358	5.82	5	RINO	DEFL	1	33.9	130M	1	33.9		130M	
L2	20	30	360	6.21	2	LICA	SARA	1	24.7	130M	1	24.8		130M	
L2	20	30	361	9.27	37	COMP	MEXI	2	25.3	130M	3	25.3	Mul	130M	
L2	20	30	361	9.27	37	COMP	MEXI	3	20.6	130M	3	20.6	Mul	130M	
L2	20	30	361	9.27	37	COMP	MEXI	4	17.1	130M	3	17.1	Mul	130M	
L2	20	30	363	10.00	41	CONO	BRAC	1	26.4	130M	—	9003	—	—	Horizontal sin causa obvia
L2	20	30	363	10.00	41	CONO	BRAC	2	16.1	130M	1	16.1		130M	
L2	20	30	364	10.00	40	ANAX	CRAS	2	27.6	130M	—	9003	—	—	Horizontal sin causa obvia
L2	20	30	365	7.85	13	AMPE	MACR	1	29.8	130M	1	29.8		130M	
L2	20	30	366	7.68	6	ANAX	CRAS	1	24.7	130M	1	24.7		130M	
L2	20	30	367	7.62	1	OCOT	DEND	1	24.2	130M	1	24.2		130M	
L2	20	30	368	8.41	4	PALI	BEAC	1	17.4	130M	—	9003	—	—	Horizontal sin causa obvia
L2	20	30	369	8.55	5	OCOT	LAET	1	26.8	130M	1	26.8		130M	
L2	20	30	370	8.75	12	ANAX	CRAS	1	81.0	130M	1	81		130M	
L2	20	30	371	8.93	10	CHRY	SILV	1	15.2	130M	1	15.2		130M	
L2	20	30	373	9.16	18	LICA	SARA	1	25.3	130M	1	25.7		130M	
L2	20	30	374	9.21	19	AMPE	MACR	1	17.8	130M	1	17.8		130M	
L2	20	30	376	10.54	21	MICO	SIMP	1	22.3	130M	1	22.3		130M	
L2	20	30	377	10.69	16	BROS	LACT	1	13.4	130M	1	13.6		130M	
L2	20	30	379	10.60	12	NAUC	NAGA	1	60.0	130M	1	60		130M	
L2	20	30	380	11.80	13	ANAX	CRAS	1	34.3	130M	1	35.2		130M	
L2	20	30	381	12.30	15	QUAR	BRAC	1	38.0	130M	1	38.5		130M	
L2	20	30	382	11.60	12	PIPE	AURI	2	48.0	130M	2	48	Mul	130M	
L2	20	30	382	11.60	12	PIPE	AURI	3	23.1	130M	2	23.8	Mul	130M	
L2	20	30	382	11.60	12	PIPE	AURI	4	17.3	130M	—	9003	—	—	

24-Set-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
L2	20	30	383	11.64	9	ANAX	CRAS	1	19.4	130M	1	19.7		130M	
L2	20	30	384	12.00	0	PIPE	AURI	1	25.3	130M	3	25.4	Mul	130M	
L2	20	30	384	12.00	0	PIPE	AURI	2	24.2	130M	3	24.7	Mul	130M	
L2	20	30	384	12.00	0	PIPE	AURI	4	15.2	130M	3	15.8	Mul	130M	
L2	20	30	385	10.03	6	PIPE	AURI	1	42.0	130M	2	42	Mul	130M	
L2	20	30	385	10.03	6	PIPE	AURI	2	43.0	130M	2	43	Mul	130M	
L2	20	30	386	13.45	0	NAUC	NAGA	1	40.0	130M	1	40		130M	
L2	20	30	387	13.35	0	ANAX	CRAS	1	21.3	130M	1	21.3		130M	
L2	20	30	388	10.45	0	PIPE	AURI	2	30.0	130M	1	30.0		130M	
L2	20	30	389	11.35	358	BORO	PANA	1	80.0	130M	1	80		130M	
L2	20	30	390	11.72	351	PALI	BEAC	1	77.0	1000	1	78		1000	
L2	20	30	392	10.59	337	PIPE	AURI	1	44.0	130M	-	9003	-	-	Horizontal sin causa obvia
L2	20	30	393	7.90	350	GUAT	AMPL	1	49.0	130M	3	49	Mul	130M	
L2	20	30	393	7.90	350	GUAT	AMPL	2	63.0	130M	3	64	Mul	130M	
L2	20	30	393	7.90	350	GUAT	AMPL	3	77.0	130M	3	77	Mul	130M	
L2	20	30	394	7.57	349	TROP	INVO	1	30.1	130M	1	30.1		130M	
L2	20	30	395	8.57	332	ANAX	CRAS	1	50.0	130M	1	50		130M	
L2	20	30	396	8.13	333	OCOT	LEUC	1	20.0	130M	1	20.3		130M	
L2	20	30	396	8.13	333	OCOT	LEUC	2	14.2	130M	-	9003	-	-	Horizontal sin causa obvia
L2	20	30	397	7.30	322	PROT	PITT	1	31.7	130M	-	9003	-	-	Horizontal sin causa obvia
L2	20	30	398	4.94	336	OCOT	LAET	1	33.1	130M	1	33.2		130M	
L2	20	30	400	4.82	327	PSYC	ELAT	1	21.0	130M	-	9003	-	-	Horizontal sin causa obvia
L2	20	30	400	4.82	327	PSYC	ELAT	2	24.5	130M	1	24.8		130M	
L2	20	30	401	4.00	330	OCOT	DEND	1	23.0	130M	1	23.0		130M	
L2	20	30	402	3.60	338	PROT	PITT	1	38.3	130M	1	39.1		130M	
L2	20	30	403	8.54	357	NAUC	NAGA	1	16.6	130M	1	16.6		130M	
L2	20	30	431	5.20	15	PENT	MACR	1	60.0	130M	1	72		130M	se remedio
L2	20	30	432	5.34	352	OCOT	LAET	1	14.7	130M	1	14.8		130M	

24-Set-2013

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7 - OCT - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfid12	AltMed12	NT13	Dfid13	MUL13	AltMed13	Commentarios13
L3	20	30	314	2.26	164	LAET	PROC	1	50.0	130M		50		130M	
L3	20	30	315	2.55	170	PIPE	AURI	1	23.0	130M	-	9003	-	-	Horizontal sin causa obvia
L3	20	30	315	2.55	170	PIPE	AURI	2	18.9	130M		19.0		130M	
L3	20	30	317	4.20	145	COMP	MEXI	1	68.0	130M		68		130M	
L3	20	30	318	5.26	153	COMP	MEXI	1	59.0	130M		59		130M	
L3	20	30	319	5.00	169	ANAX	CRAS	1	79.0	130M		80		130M	
L3	20	30	320	6.51	169	RINO	DEFL	1	45.0	130M		45		130M	
L3	20	30	321	4.60	143	PERE	HISP	1	17.5	130M		17.5		130M	
L3	20	30	322	6.21	133	BORO	PANA	1	41.0	130M		41		130M	
L3	20	30	323	4.75	110	ZYGI	GIGA	1	41.0	130M		41	Mul	130M	
L3	20	30	323	4.75	110	ZYGI	GIGA	2	16.5	130M		16.8	Mul	130M	
L3	20	30	324	6.00	120	VITE	COOP	1	50.0	130M		50		130M	
L3	20	30	325	6.32	111	ZYGI	GIGA	1	19.2	130M		19.2		130M	
L3	20	30	326	7.98	115	LIAN	SP	1	38.0	130M		38.1		130M	
L3	20	30	328	8.44	150	OCOT	LEUC	2	11.3	130M	-	9003	-	-	Horizontal sin causa obvia
L3	20	30	330	10.03	150	-99	-99	1	15.1	130M		15.1		130M	
L3	20	30	331	10.75	143	ZYGI	GIGA	1	20.1	130M		20.7		130M	
L3	20	30	332	10.02	128	PENT	MACR	1	43.0	130M		44		130M	
L3	20	30	333	11.02	126	ANAX	CRAS	1	47.0	130M		48		130M	
L3	20	30	334	12.77	128	ANAX	CRAS	1	30.3	130M		30.4		130M	
L3	20	30	336	5.75	115	PINZ	CORI	1	86.0	130M		86		130M	
L3	20	30	339	7.35	91	ANAX	CRAS	1	53.0	130M		54		130M	
L3	20	30	341	10.40	116	CHAM	SP	1	33.7	130M		33.7		130M	
L3	20	30	354	3.68	138	PIPE	AURI	1	13.9	130M		14.0		130M	
L3	20	30	355	10.28	105	ANAX	CRAS	1	21.5	130M		22.7		130M	
L3	20	30	356	7.70	98	ANAX	CRAS	1	18.0	130M		18.5		130M	
L3	20	30	367	9.10	114	PSYC	SP	1	11.5	130M		11.8		130M	

15 - Oct - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
L4	20	30	339	1.90	229	DESM	SCHI	3	17.6	130M	13	17.7	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	4	18.5	130M	13	18.5	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	8	18.6	130M	13	18.6	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	9	14.6	130M	13	14.6	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	10	17.6	130M	13	17.6	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	11	15.1	130M	13	15.2	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	13	13.9	130M	13	13.9	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	14	18.3	130M	13	18.3	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	19	16.1	130M	13	16.1	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	22	16.1	130M	13	16.1	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	23	16.9	130M	13	16.9	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	24	14.3	130M	13	14.3	Mul	130M	
L4	20	30	339	1.90	229	DESM	SCHI	26	15.1	130M	13	15.1	Mul	130M	
L4	20	30	340	2.60	272	PERE	HISP	1	55.0	130M	1	55		130M	
L4	20	30	341	4.10	278	PIPE	ARBO	1	39.3	130M	3	40.2	Mul	130M	Con cinta 39 Dap (6.6)
L4	20	30	341	4.10	278	PIPE	ARBO	2	52.0	130M	3	53	Mul	130M	
L4	20	30	341	4.10	278	PIPE	ARBO	3	56.0	130M	3	57	Mul	130M	
L4	20	30	343	5.18	255	SIPA	GRAN	1	43.0	130M	1	43		130M	
L4	20	30	346	6.83	263	SIPA	GRAN	1	24.5	130M	1	25.7		130M	
L4	20	30	347	5.76	219	LOZA	PITT	1	50.0	130M	6	50	Mul	130M	
L4	20	30	347	5.76	219	LOZA	PITT	2	51.0	130M	6	52	Mul	130M	
L4	20	30	347	5.76	219	LOZA	PITT	3	56.0	130M	6	56	Mul	130M	
L4	20	30	347	5.76	219	LOZA	PITT	4	36.3	130M	6	36.3	Mul	130M	
L4	20	30	347	5.76	219	LOZA	PITT	5	29.1	130M	6	31.8	Mul	130M	Tiene un Tallo nuevo
L4	20	30	348	6.10	225	GUAR	GENT	1	14.7	130M	1	15.5		130M	
L4	20	30	350	2.77	207	BROS	LACT	1	16.4	130M	1	17.8		130M	
L4	20	30	353	8.02	211	NAUC	NAGA	1	27.6	130M	1	27.7		130M	
L4	20	30	354	8.15	218	APHE	STOR	1	20.6	130M	1	21.1		130M	

15 - OCT - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
L4	20	30	355	8.95	208	COUE	POLY	1	37.3	130M	1	37.3		130M	
L4	20	30	356	9.89	208	BORO	PANA	1	29.7	130M	3	30.2	Mul	130M	
L4	20	30	356	9.89	208	BORO	PANA	2	12.9	130M	3	12.9	Mul	130M	
L4	20	30	356	9.89	208	BORO	PANA	3	16.6	130M	3	17.0	Mul	130M	
L4	20	30	357	9.80	213	PERE	HISP	1	34.3	130M	1	36.0		130M	
L4	20	30	358	13.43	237	SOCR	EXOR	1	99.0	130M	1	113		130M	
L4	20	30	359	8.68	238	GARC	INTE	1	35.2	130M	1	36.0		130M	
L4	20	30	360	7.71	233	BROS	LACT	1	17.8	130M	1	18.0		130M	
L4	20	30	361	8.22	207	RINO	DEFL	1	23.0	130M	3	23.4	Mul	130M	
L4	20	30	361	8.22	207	RINO	DEFL	2	12.6	130M	3	12.8	Mul	130M	
L4	20	30	361	8.22	207	RINO	DEFL	3	18.5	130M	3	18.8	Mul	130M	
L4	20	30	363	8.71	278	LICA	SARA	1	17.8	130M	2	18.0	Mul	130M	
L4	20	30	363	8.71	278	LICA	SARA	2	14.1	130M	2	14.7	Mul	130M	
L4	20	30	364	8.62	284	PSYC	ELAT	2	27.3	130M	—	9003	—	—	Horizontal sin causa obvia
L4	20	30	365	8.20	285	GEON	CONG	1	19.2	130M	4	19.2		130M	
L4	20	30	365	8.20	285	GEON	CONG	2	21.2	130M	4	21.3		130M	
L4	20	30	365	8.20	285	GEON	CONG	3	16.5	130M	—	9003	—	—	Horizontal sin causa obvia
L4	20	30	365	8.20	285	GEON	CONG	4	18.7	130M	4	18.7		130M	
L4	20	30	365	8.20	285	GEON	CONG	5	18.5	130M	4	18.5		130M	
L4	20	30	366	11.20	252	PENT	MACR	1	94.0	130M	3	9094		130M	9003 sin causa obvia
L4	20	30	366	11.20	252	PENT	MACR	2	39.6	130M	3	42.2		130M	Con cinto 40 Dop (9,9)
L4	20	30	366	11.20	252	PENT	MACR	3	22.4	130M	3	22.5		130M	
L4	20	30	367	13.18	244	NAUC	NAGA	1	23.0	130M	1	23.0		130M	
L4	20	30	433	4.60	286	OTOB	NOVO	1	14.7	130M	1	17.3		130M	
L4	20	30	434	8.82	284	TROP	INVO	1	31.1	130M	—	9003	—	—	Horizontal sin causa obvia
L4	20	30	435	9.80	263	MAQU	GUIA	1	10.5	130M	1	11.0		130M	
L4	20	30	347	5.76	219	LOZO	PITT	6	—	—	6	21.0	Mul	130M	

23-OCT-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
L5	20	30	326	2.10	182	COMP	MEXI	1	43.0	130M	1	43		130M	
L5	20	30	327	1.29	232	POUR	BICO	1	27.5	130M	1	27.5		130M	
L5	20	30	328	1.47	238	MICO	ELAT	1	47.0	130M	2	48	Mul	130M	
L5	20	30	328	1.47	238	MICO	ELAT	2	28.1	130M	2	28.1	Mul	130M	
L5	20	30	329	3.08	257	AMPE	MACR	2	33.0	130M	2	33.3	Mul	130M	
L5	20	30	329	3.08	257	AMPE	MACR	3	22.5	130M	2	22.7	Mul	130M	
L5	20	30	330	4.63	225	LIAN	SP	1	15.4	130M	1	15.6		130M	
L5	20	30	331	4.02	211	CASS	ELLI	1	48.0	130M	1	48		130M	
L5	20	30	332	3.68	179	POUR	MINO	1	29.4	130M	1	30.1		130M	
L5	20	30	333	6.50	199	POUT	TORT	1	25.6	130M	1	26.0		130M	
L5	20	30	334	6.45	218	RINO	DEFL	1	46.0	130M	1	45		130M	
L5	20	30	334	6.45	218	RINO	DEFL	2	24.3	130M	—	9003	—	—	Horizontal sin causa obvia
L5	20	30	335	7.78	205	GEON	CONG	1	26.3	130M	5	26.3	Mul	130M	
L5	20	30	335	7.78	205	GEON	CONG	2	25.5	130M	5	25.5	Mul	130M	
L5	20	30	335	7.78	205	GEON	CONG	3	29.9	130M	5	30.0	Mul	130M	
L5	20	30	335	7.78	205	GEON	CONG	4	17.7	130M	5	17.9	Mul	130M	
L5	20	30	335	7.78	205	GEON	CONG	5	27.9	130M	5	27.9	Mul	130M	
L5	20	30	336	6.85	189	GEON	CONG	1	11.0	130M	3	11.2	Mul	130M	
L5	20	30	336	6.85	189	GEON	CONG	2	23.6	130M	3	23.6	Mul	130M	
L5	20	30	336	6.85	189	GEON	CONG	3	20.5	130M	3	20.5	Mul	130M	
L5	20	30	337	9.80	193	PRES	PITT	1	21.6	130M	1	21.7		130M	
L5	20	30	338	9.70	193	WARS	COCC	1	96.0	130M	2	96	Mul	130M	
L5	20	30	338	9.70	193	WARS	COCC	2	34.0	130M	2	34.2	Mul	130M	
L5	20	30	340	9.12	207	ESCH	COLL	1	89.0	130M	1	89		130M	
L5	20	30	341	11.27	210	ANNO	SUBN	1	17.7	130M	1	18.3		130M	
L5	20	30	342	12.45	210	POUT	DURL	1	17.7	130M	1	17.7		130M	
L5	20	30	345	10.78	226	BORO	PANA	1	19.3	130M	1	20.2		130M	
L5	20	30	346	8.65	240	OCOT	LAET	1	88.0	130M	1	89		130M	

23 - Oct - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
L5	20	30	347	8.56	241	POUR	BICO	1	85.0	130M	1	89		130M	
L5	20	30	348	7.78	236	PERE	HISP	1	46.0	130M	1	46		130M	
L5	20	30	349	8.95	248	COMP	MEXI	1	37.5	130M	1	37.5		130M	
L5	20	30	350	9.41	250	POUT	SP	1	21.2	130M	1	21.3		130M	an
L5	20	30	351	8.82	255	IRIA	DELT	1	98.0	130M	1	101		130M	(0.0) Pasa a los grandes
L5	20	30	353	8.77	258	RINO	DEFL	1	38.1	130M	2	38.1	Mul	130M	
L5	20	30	353	8.77	258	RINO	DEFL	2	18.6	130M	2	18.8	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	4	29.6	130M	32	29.6	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	5	27.2	130M	32	27.2	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	6	24.1	130M	32	24.1	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	7	25.4	130M	32	25.5	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	8	27.5	130M	32	27.5	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	9	25.1	130M	32	25.1	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	10	31.1	130M	32	31.1	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	11	23.5	130M	32	23.5	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	12	21.4	130M	32	21.6	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	13	19.1	130M	32	19.1	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	14	16.2	130M	32	16.2	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	15	28.1	130M	32	28.1	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	16	16.7	130M	32	16.7	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	17	18.2	130M	32	18.3	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	18	30.4	130M	32	30.4	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	19	22.1	130M	32	22.1	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	20	29.7	130M	32	29.7	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	21	23.5	130M	32	23.5	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	22	17.6	130M	32	17.7	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	23	18.4	130M	32	18.5	Mul	130M	
L5	20	30	354	6.98	253	GEON	CONG	24	17.3	130M	32	17.4	Mul	130M	

23-OCT-2013

[illegible]

6 - NOV - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfid12	AltMed12	NT13	Dfid13	MUL13	AltMed13	Commentarios13
L6	20	30	308	2.78	119	RINO	DEFL	1	26.8	130M	1	26.8		130M	
L6	20	30	309	3.40	228	PENT	MONO	1	32.0	130M	2	32.0	Mul	130M	
L6	20	30	309	3.40	228	PENT	MONO	2	19.5	130M	2	19.5	Mul	130M	
L6	20	30	310	4.72	208	PIPE	ARBO	1	43.0	130M	2	43	Mul	130M	
L6	20	30	310	4.72	208	PIPE	ARBO	2	38.0	130M	2	38.0	Mul	130M	
L6	20	30	312	6.15	214	PROT	CONF	1	57.0	130M	1	57		130M	
L6	20	30	313	6.10	210	RINO	DEFL	1	11.3	130M	1	11.7		130M	
L6	20	30	314	7.12	210	MACR	COST	1	75.0	130M	1	75		130M	
L6	20	30	315	7.76	206	FARA	GLAN	2	15.6	130M	1	16.4		130M	
L6	20	30	316	8.80	208	SACO	TRIC	2	10.9	130M	1	10.9		130M	
L6	20	30	318	8.70	227	PSYC	ELAT	1	38.3	130M	—	9003	—	—	Horizontal sin causa obvia
L6	20	30	318	8.70	227	PSYC	ELAT	2	28.1	130M	—	9003	—	—	Horizontal sin causa obvia
L6	20	30	320	8.17	189	LIAN	SP	1	21.7	130M	2	22.1	Mul	130M	
L6	20	30	320	8.17	189	LIAN	SP	2	18.4	130M	2	18.6	Mul	130M	
L6	20	30	321	7.57	190	OCOT	LAET	1	62.0	130M	1	62		130M	
L6	20	30	321	7.57	190	OCOT	LAET	2	18.0	130M	—	9003	—	—	Horizontal sin causa obvia
L6	20	30	322	7.70	181	CORD	PORC	1	37.5	130M	2	37.5	Mul	130M	
L6	20	30	322	7.70	181	CORD	PORC	2	35.9	130M	2	35.9	Mul	130M	
L6	20	30	324	2.07	190	GLOE	DIVE	1	12.3	130M	2	12.3	Mul	130M	Tiene un Tallo nuevo
L6	20	30	325	8.25	207	ANNO	SUBN	1	14.2	130M	1	14.3		130M	
L6	20	30	327	9.65	215	PERE	HISP	1	20.4	130M	1	20.4		130M	
L6	20	30	331	11.18	188	PROT	GLAB	1	15.6	130M	1	15.7		130M	
L6	20	30	332	11.65	180	MAQU	GUIA	1	13.7	130M	1	13.9		130M	
L6	20	30	333	12.85	178	MICO	NERV	1	14.1	130M	1	14.1		130M	
L6	20	30	334	10.57	172	MICO	LIGU	1	42.0	130M	1	42		130M	
L6	20	30	336	9.60	179	MINQ	GUIA	1	17.0	130M	1	17.3		130M	
L6	20	30	337	7.94	194	LIAN	SP	1	22.3	130M	1	22.3		130M	
L6	20	30	338	7.53	177	OCOT	LEUC	1	16.0	130M	1	18.7		130M	

6 - NOV - 2013

[illegible]

17 - Set - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
P1	20	30	337	3.75	32	PENT	MACR	1	23.0	130M	1	26.5		130M	
P1	20	30	338	4.45	36	GUAR	BULL	1	13.5	130M	1	14.0		130M	
P1	20	30	341	6.50	43	GUAR	RHOP	1	30.7	130M	1	34.4		130M	
P1	20	30	342	6.89	33	BACT	SP	1	11.1	130M	1	11.1		130M	
P1	20	30	343	8.28	30	GEON	CONG	2	19.9	130M	16	19.9	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	3	17.0	130M	16	17.0	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	4	20.7	130M	16	20.7	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	5	20.3	130M	16	20.3	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	6	20.2	130M	16	20.2	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	7	15.3	130M	16	15.3	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	8	16.1	130M	16	16.1	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	10	18.0	130M	16	18.0	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	11	22.0	130M	16	9021.8	Mul	130M	9003 sin census
P1	20	30	343	8.28	30	GEON	CONG	13	17.2	130M	16	17.2	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	14	17.3	130M	16	17.3	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	15	17.5	130M	16	17.5	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	17	13.0	130M	16	13.1	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	18	19.1	130M	16	19.1	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	19	14.8	130M	16	14.8	Mul	130M	
P1	20	30	343	8.28	30	GEON	CONG	20	10.7	130M	16	10.8	Mul	130M	
P1	20	30	344	10.66	18	LIAN	SP	1	30.5	130M	1	33.2		130M	
P1	20	30	345	11.05	18	MICO	LIGU	2	11.4	130M	2	11.6	Mul	130M	
P1	20	30	345	11.05	18	MICO	LIGU	3	12.9	130M	2	14.0	Mul	130M	
P1	20	30	346	7.03	4	WARS	COCC	1	59.0	130M	7	59	Mul	130M	
P1	20	30	346	7.03	4	WARS	COCC	2	24.8	130M	7	25.1	Mul	130M	
P1	20	30	346	7.03	4	WARS	COCC	3	21.5	130M	7	22.7	Mul	130M	
P1	20	30	346	7.03	4	WARS	COCC	4	25.6	130M	7	26.3	Mul	130M	
P1	20	30	346	7.03	4	WARS	COCC	5	20.8	130M	7	20.8	Mul	130M	

obvia Alt
4.21

17 - Set - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
P1	20	30	346	7.03	4	WARS	COCC	6	19.2	130M	7	20.3	Mul	130M	
P1	20	30	346	7.03	4	WARS	COCC	9	15.3	130M	7	20.3	Mul	130M	
P1	20	30	347	7.89	14	MYRC	SPLE	1	24.7	130M	2	27.0	Mul	130M	
P1	20	30	347	7.89	14	MYRC	SPLE	2	21.3	130M	2	25.7	Mul	130M	
P1	20	30	348	6.28	11	LECY	AMPL	2	19.5	130M	1	25.6		130M	
P1	20	30	350	12.85	5	MAQU	GUIA	1	46.0	130M	1	46		130M	
P1	20	30	351	11.76	359	MICO	PUNC	1	18.5	130M	1	20.1		130M	
P1	20	30	352	11.21	359	WARS	COCC	1	36.0	130M	3	36.0	Mul	130M	
P1	20	30	352	11.21	359	WARS	COCC	2	12.3	130M	3	12.3	Mul	130M	
P1	20	30	352	11.21	359	WARS	COCC	3	28.8	130M	3	28.8	Mul	130M	
P1	20	30	356	11.65	330	INGA	PEZI	1	56.0	130M	1	56		130M	
P1	20	30	357	9.48	343	LIAN	SP	1	28.7	130M	1	28.7		130M	
P1	20	30	359	7.80	348	PAUL	FIBR	1	59.0	130M	2	59	Mul	130M	
P1	20	30	359	7.80	348	PAUL	FIBR	2	53.0	130M	2	53	Mul	130M	
P1	20	30	360	9.67	338	OCOT	INSU	1	43.0	130M	-	9003	-	-	Horizontal sin causa obvia
P1	20	30	361	8.25	343	-99	-99	1	21.2	130M	1	21.6		130M	
P1	20	30	362	7.69	337	PSYC	ELAT	1	35.6	130M	2	16.0	Mul	130M	Perdio el sitio de medición
P1	20	30	362	7.69	337	PSYC	ELAT	2	22.1	130M	2	23.5	Mul	130M	
P1	20	30	364	8.66	359	BESL	COLU	1	15.0	130M	1	16.3		130M	Pusimos nueva
P1	20	30	365	5.68	4	MABE	OCCI	1	19.3	130M	1	20.7		130M	marca en
P1	20	30	366	5.75	334	CHAM	SP	1	25.3	130M	1	25.3		130M	un rebrote
P1	20	30	392	10.95	354	SYMP	GLOB	1	17.5	130M	1	18.2		130M	
P1	20	30	418	5.46	26	ProT	Baho	1	-	-	1	10.7		130M	

30 - Set - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
P2	20	30	370	0.40	192	POSO	PANA	1	31.9	130M	1	32.5		130M	
P2	20	30	372	4.12	232	PENT	MACR	1	29.3	130M	1	29.3		130M	
P2	20	30	374	8.58	231	MAQU	GUIA	1	27.4	130M	1	27.4		130M	
P2	20	30	375	8.57	251	LACU	PANA	1	25.3	130M	1	25.3		130M	
P2	20	30	376	8.65	249	GUAT	AMPL	2	12.7	130M	1	13.7		130M	
P2	20	30	377	8.40	243	SYMP	GLOB	1	36.3	130M	1	36.3		130M	
P2	20	30	378	8.40	243	AMPE	MACR	1	43.0	130M	1	45		130M	
P2	20	30	379	9.11	246	BALI	ELEG	1	52.0	130M	1	52		130M	
P2	20	30	380	9.91	248	PERE	HISP	1	65.0	130M	1	65		130M	
P2	20	30	381	9.38	250	ANAX	CRAS	1	84.0	130M	1	84		130M	
P2	20	30	383	10.68	263	COUS	PSYC	1	29.3	130M	1	29.3		130M	
P2	20	30	384	10.04	238	BROS	LACT	1	25.9	130M	1	25.9		130M	
P2	20	30	385	10.04	237	WARS	COCC	1	44.0	130M	1	44		130M	
P2	20	30	387	10.08	226	PROT	PANA	1	22.1	130M	1	22.6		130M	
P2	20	30	388	11.08	224	CASS	ELLI	1	15.4	130M	1	15.7		130M	
P2	20	30	389	12.06	226	TROP	INVO	1	17.2	130M	2	17.2	Mix1	130M	
P2	20	30	389	12.06	226	TROP	INVO	2	12.3	130M	2	12.4	Mix1	130M	
P2	20	30	390	12.08	222	PROT	PANA	1	21.5	130M	1	21.6		130M	
P2	20	30	391	11.78	220	ANAX	CRAS	1	85.0	130M	1	88		130M	
P2	20	30	392	13.65	213	PENT	MACR	1	18.2	130M	1	18.7		130M	
P2	20	30	393	12.22	207	ANAX	CRAS	1	40.0	130M	1	40		130M	
P2	20	30	395	12.01	202	ANAX	CRAS	1	85.0	130M	1	85		130M	
P2	20	30	396	11.38	201	TAPI	GUIA	1	83.0	130M	1	83		130M	
P2	20	30	397	11.07	206	BROS	LACT	1	11.5	130M	1	11.5		130M	
P2	20	30	399	10.38	211	WARS	COCC	1	94.0	130M	1	94		130M	
P2	20	30	400	9.28	218	COUS	HOND	1	46.0	130M	1	46		130M	
P2	20	30	401	8.39	217	PROT	GLAB	1	51.0	130M	1	51		130M	
P2	20	30	403	7.18	214	SYMP	GLOB	1	26.1	130M	1	26.2		130M	

30 - Set - 2013

[illegible]

Censo de pequenys 2013

9-02T-2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
P3	20	30	301	10.20	158	WARS	COCC	1	19.1	130M	2	19.5	Mul	130M	
P3	20	30	301	10.20	158	WARS	COCC	2	11.1	130M	2	11.1	Mul	130M	
P3	20	30	303	8.90	160	ANAX	CRAS	1	34.0	130M	1	35.7		130M	
P3	20	30	304	9.40	157	WARS	COCC	1	29.0	130M	1	29.1		130M	
P3	20	30	306	8.74	167	LIAN	SP	1	13.3	130M	1	13.3		130M	
P3	20	30	307	8.03	164	LACI	AGGR	1	74.0	130M	1	75		130M	
P3	20	30	308	8.05	171	LIAN	SP	1	21.6	130M	2	21.6	Mul	130M	
P3	20	30	308	8.05	171	LIAN	SP	2	18.6	130M	2	18.6	Mul	130M	
P3	20	30	309	8.25	166	OCOT	LAET	1	14.3	130M	1	14.3		130M	
P3	20	30	311	7.21	145	ANAX	CRAS	1	39.5	130M	1	39.7		130M	
P3	20	30	313	6.58	154	DYST	PANI	1	24.8	130M	1	24.8		130M	
P3	20	30	314	4.45	141	ANAX	CRAS	1	37.2	130M	2	37.7	Mul	130M	
P3	20	30	314	4.45	141	ANAX	CRAS	2	18.1	130M	2	18.5	Mul	130M	
P3	20	30	317	3.80	167	PSYC	PANA	2	13.8	130M	—	9003	—	—	Horizontal sin causa obvia
P3	20	30	319	4.34	180	BORO	PANA	1	15.3	130M	2	15.4	Mul	130M	
P3	20	30	319	4.34	180	BORO	PANA	2	11.6	130M	2	11.6	Mul	130M	
P3	20	30	321	4.83	182	ANAX	CRAS	1	32.8	130M	1	32.8		130M	
P3	20	30	322	4.34	180	BORO	PANA	1	11.8	130M	1	11.8		130M	
P3	20	30	324	5.30	164	WARS	COCC	1	36.4	130M	1	36.4		130M	
P3	20	30	325	4.75	171	ANAX	CRAS	1	75.0	130M	1	78		130M	
P3	20	30	327	4.76	188	GUAT	AMPL	2	53.0	130M	1	53		130M	
P3	20	30	328	8.27	182	PERE	HISP	1	29.8	130M	1	29.8		130M	
P3	20	30	329	6.43	180	FARA	PARV	1	49.0	130M	1	49		130M	
P3	20	30	331	8.40	182	LIAN	SP	1	24.2	130M	1	26.9		130M	
P3	20	30	333	8.68	186	DICH	GRAY	1	20.1	130M	1	20.2		130M	
P3	20	30	334	11.00	188	OCOT	DEND	1	17.7	130M	1	17.7		130M	
P3	20	30	335	10.96	189	PROT	CONF	1	45.0	130M	1	46		130M	
P3	20	30	336	10.70	193	LOZA	PITT	1	34.0	130M	1	35.3		130M	

9- OCT - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Commentarios13
P3	20	30	338	13.05	187	CASE	ARBO	1	46.0	130M	2	46	Mul	130M	
P3	20	30	338	13.05	187	CASE	ARBO	2	17.2	130M	2	17.2	Mul	130M	
P3	20	30	339	9.10	187	COMP	MEXI	1	16.6	130M	1	16.7		130M	
P3	20	30	341	14.25	181	WARS	COCC	1	27.2	130M	1	27.2		130M	
P3	20	30	342	13.30	175	ANAX	CRAS	1	15.7	130M	2	16.2	Mul	130M	
P3	20	30	342	13.30	175	ANAX	CRAS	2	27.5	130M	2	28.8	Mul	130M	
P3	20	30	343	12.70	178	CHAM	SP	1	38.0	130M	1	38.0		130M	
P3	20	30	344	11.20	171	CHAM	SP	1	36.4	130M	1	36.4		130M	
P3	20	30	345	11.77	168	GEON	CONG	1	19.3	130M	2	19.6	Mul	130M	
P3	20	30	345	11.77	168	GEON	CONG	2	25.8	130M	2	25.8	Mul	130M	
P3	20	30	349	4.89	201	POUT	CALI	1	50.0	130M	1	51		130M	
P3	20	30	352	9.15	207	PSYC	ELAT	1	58.0	130M	1	60		130M	
P3	20	30	354	10.52	201	PROT	PANA	1	58.0	130M	1	58		130M	
P3	20	30	358	10.78	151	SWAR	OCHN	1	93.0	130M	1	93		130M	
P3	20	30	378	11.35	203	LIAN	SP	1	17.2	130M	1	17.5		130M	
P3	20	30	383	13.63	182	MICO	MULT	1	14.5	130M	1	15.3		130M	
P3	20	30	384	10.72	178	HERN	DIDY	1	20.8	130M	1	21.0		130M	
P3	20	30	385	10.53	166	GEON	CONG	1	19.7	130M	2	19.9	Mul	130M	
P3	20	30	385	10.53	166	GEON	CONG	2	18.6	130M	2	18.6	Mul	130M	
P3	20	30	395	11.72	178	QUII	MACR	1	12.0	130M	1	12.3		130M	

17 - OCT - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfid12	AltMed12	NT13	Dfid13	MUL13	AltMed13	Commentarios13
P4	20	30	325	1.12	63	POUT	CALI	1	52.0	130M	1	53		130M	uu
P4	20	30	326	3.97	24	INGA	PEZI	1	95.0	130M	1	101		130M	(0,0) Poso a los grandes
P4	20	30	327	4.43	357	PHOL	PULC	1	44.0	130M	1	44		130M	
P4	20	30	328	5.60	54	PHOL	PULC	1	32.2	130M	1	32.2		130M	
P4	20	30	329	6.72	64	LAET	PROC	1	57.0	130M	1	57		130M	
P4	20	30	330	7.95	70	PROT	PANA	1	19.5	130M	1	19.5		130M	
P4	20	30	331	10.34	65	GEON	CONG	1	22.0	130M	5	22.0	Mul	130M	
P4	20	30	331	10.34	65	GEON	CONG	2	24.9	130M	5	25.0	Mul	130M	
P4	20	30	331	10.34	65	GEON	CONG	3	25.3	130M	5	25.3	Mul	130M	
P4	20	30	331	10.34	65	GEON	CONG	4	24.0	130M	5	24.1	Mul	130M	
P4	20	30	331	10.34	65	GEON	CONG	5	25.1	130M	5	25.1	Mul	130M	
P4	20	30	332	8.95	44	HIRT	LEMS	1	81.0	130M	1	81		130M	
P4	20	30	333	6.55	31	MAQU	GUIA	1	30.5	130M	2	30.5	Mul	130M	
P4	20	30	333	6.55	31	MAQU	GUIA	2	13.1	130M	2	13.1	Mul	130M	
P4	20	30	334	8.92	344	CASE	ARBO	2	89.0	130M	1	92		130M	
P4	20	30	336	8.95	358	MELI	DONN	1	85.0	130M	1	85		130M	
P4	20	30	337	9.51	358	POUT	CALI	1	43.0	130M	1	43		130M	
P4	20	30	338	11.51	12	PERE	HISP	1	13.5	130M	1	13.5		130M	
P4	20	30	339	9.51	19	OCOT	LAET	2	26.8	130M	1	27.7		130M	
P4	20	30	340	11.28	23	FARA	GLAN	1	33.0	130M	1	34.8		130M	
P4	20	30	342	10.85	33	PRES	PITT	1	77.0	130M	1	77		130M	
P4	20	30	343	12.73	34	PSYC	BUST	1	26.8	130M	1	29.5		130M	
P4	20	30	345	13.15	20	RINO	DEFL	1	58.0	130M	1	59		130M	
P4	20	30	359	5.95	1	ANNO	PAPI	1	35.0	130M	1	35.0		130M	
P4	20	30	360	6.05	31	LAET	PROC	1	20.2	130M	1	21.7		130M	
P4	20	30	362	7.54	63	INGA	THIB	1	43.0	130M	1	43		130M	
P4	20	30	363	8.00	67	MICO	MULT	1	23.2	130M	-	9003	-	-	Horizontal sin causa obvia
P4	20	30	367	10.27	12	INGA	PEZI	1	15.1	130M	1	15.3		130M	

17-Oct-2013

[illegible]





31- OCT - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
P5	20	30	344	3.87	210	LOZA	PITT	1	18.1	130M	1	18.7		130M	
P5	20	30	345	6.98	188	PROT	CONF	1	58.0	130M	1	58		130M	
P5	20	30	346	7.82	197	FARA	GLAN	1	90.0	130M	1	90		130M	
P5	20	30	348	4.65	235	COMP	MEXI	1	53.0	130M	1	53		130M	
P5	20	30	350	7.93	219	EUGE	SELV	1	27.5	130M	1	27.6		130M	
P5	20	30	355	10.59	208	MAQU	GUIA	1	21.4	130M	—	9003	—	—	Horizontal sin causa obvia
P5	20	30	357	11.84	203	HENR	TUBE	1	19.5	130M	3	19.8	Mul	130M	
P5	20	30	357	11.84	203	HENR	TUBE	2	20.2	130M	3	20.3	Mul	130M	
P5	20	30	357	11.84	203	HENR	TUBE	3	15.6	130M	3	15.7	Mul	130M	
P5	20	30	358	13.11	192	PRES	PITT	1	58.0	130M	2	58	Mul	130M	
P5	20	30	358	13.11	192	PRES	PITT	2	61.0	130M	2	61	Mul	130M	
P5	20	30	359	13.14	192	FARA	PARV	1	29.0	130M	1	30.0		130M	
P5	20	30	360	12.21	178	RINO	DEFL	1	29.5	130M	1	33.3		130M	
P5	20	30	361	10.41	164	ESCH	COLL	1	15.4	130M	1	15.6		130M	
P5	20	30	362	10.06	161	PROT	PITT	1	21.5	130M	1	21.5		130M	
P5	20	30	363	10.08	158	FARA	PARV	1	18.6	130M	1	19.0		130M	
P5	20	30	364	10.03	155	GUAR	GUID	1	14.1	130M	3	14.3	Mul	130M	
P5	20	30	364	10.03	155	GUAR	GUID	2	15.3	130M	3	15.3	Mul	130M	
P5	20	30	364	10.03	155	GUAR	GUID	3	17.3	130M	3	18.9	Mul	130M	
P5	20	30	365	6.32	147	WARS	COCC	1	45.0	130M	1	46		130M	
P5	20	30	366	6.38	161	NAUC	NAGA	1	17.9	130M	1	19.1		130M	
P5	20	30	367	6.80	165	PIPE	DECU	1	40.0	130M	—	9003	—	—	Horizontal sin causa obvia
P5	20	30	367	6.80	165	PIPE	DECU	2	36.1	130M	1	36.2		130M	
P5	20	30	368	7.70	180	PROT	PITT	1	27.2	130M	1	27.3		130M	
P5	20	30	369	8.32	187	DICH	AXIL	1	23.5	130M	1	22.8		130M	
P5	20	30	385	5.20	173	HERR	PURP	1	15.0	130M	1	15.1		130M	
P5	20	30	391	10.39	187	SACO	TRIC	1	14.2	130M	1	14.7		130M	
P5	20	30	396	3.87	211	LOZA	PITT	1	17.6	130M	1	18.9		130M	

31-OCT-2013

[illegible]

13 - Nov - 2013

plot	1r	2nd	tree	dist	ang	Gen	Sp	TID	Dfld12	AltMed12	NT13	Dfld13	MUL13	AltMed13	Comentarios13
P6	20	30	365	10.28	342	LIAN	SP	1	25.6	130M	1	28.2		130M	
P6	20	30	366	9.81	336	POUT	DURL	1	46.0	130M	1	46		130M	
P6	20	30	367	11.07	335	RINO	DEFL	1	20.2	130M	1	20.2		130M	
P6	20	30	368	11.30	331	RINO	DEFL	1	23.7	130M	1	23.7		130M	
P6	20	30	369	11.79	330	ILEX	SKUT	3	33.9	130M	1	38.5		130M	
P6	20	30	371	9.68	317	SIPA	GRAN	1	18.5	130M	-	9003	-	-	
P6	20	30	371	9.68	317	SIPA	GRAN	2	17.5	130M	3	17.5	Mul	130M	
P6	20	30	371	9.68	317	SIPA	GRAN	3	11.8	130M	3	16.6	Mul	130M	Tiene un Tallo nuevo
P6	20	30	372	10.25	314	PROT	PITT	1	26.0	130M	1	27.4		130M	
P6	20	30	374	9.80	313	COMP	MEXI	1	37.9	130M	1	37.9		130M	
P6	20	30	375	8.41	310	SIPA	GRAN	1	15.0	130M	-	9003	-	-	Horizontal sin causa obvia
P6	20	30	376	7.71	315	PROT	GLAB	1	20.2	130M	1	20.3		130M	
P6	20	30	377	7.45	313	MICO	APPE	1	25.7	130M	1	31.7		130M	
P6	20	30	378	7.17	314	STRY	MICR	1	27.2	130M	1	32.3		130M	
P6	20	30	379	7.30	315	COMP	MEXI	1	16.3	130M	1	16.3		130M	
P6	20	30	380	7.39	322	MICO	APPE	1	14.8	130M	1	15.0		130M	
P6	20	30	381	7.03	320	MICO	APPE	1	27.0	130M	1	27.0		130M	
P6	20	30	382	7.40	326	MICO	APPE	1	17.3	130M	1	17.8		130M	
P6	20	30	383	7.40	326	MICO	APPE	1	15.1	130M	-	9003	-	-	Horizontal sin causa obvia
P6	20	30	384	6.68	333	MICO	APPE	1	24.4	130M	1	32.3		130M	
P6	20	30	386	2.23	27	SOCR	EXOR	1	73.0	130M	1	74		130M	
P6	20	30	394	8.94	327	MICO	APPE	1	16.5	130M	1	16.6		130M	
P6	20	30	395	8.40	310	SIPA	GRAN	1	15.8	130M	1	15.8		130M	
P6	20	30	403	10.25	318	MICO	APPE	1	21.0	130M	3	32.0	Mul	130M	
P6	20	30	403	10.25	318	MICO	APPE	2	23.2	130M	3	33.7	Mul	130M	
P6	20	30	403	10.25	318	MICO	APPE	3	14.5	130M	3	17.8	Mul	130M	
P6	20	30	404	7.03	320	MICO	APPE	1	16.8	130M	1	17.3		130M	
P6	20	30	409	6.28	337	MICO	APPE	1	12.2	130M	1	12.5		130M	

13 - NOV - 2013

[illegible]





Protocolos para la medición de árboles de 1 hasta 10 cm. 2013

Para los individuos marcados que crecieron para que ahora miden 100 mm o mas, hay que llenar dos formularios. En el formulario de los pequeños, el diámetro debe aparecer como 9001, que en este caso es un código que indica que este individuo sobrevivió pero ya no estará en el censo de los pequeños. En la base de datos de los pequeños su deathyear y su mortcause también deben ser 9001. También hay que llenar una línea en los formularios de los grandes, tratándolo como un nuevo de 2013 como cualquier otro individuo que entró por pasar el límite de 100 mm. Su year1 y primayo ambos serán 2013, como cualquier otra recluta. Entonces para estos individuos, en el año que pasaron 100 mm y estaban vivos, van a aparecer en ambas bases de datos.

En 2013 la meta es de encontrar, marcar, identificar y medir todos los individuos de 1 a <10 cm diámetro (medidos a 1.30 m del suelo) en la subparcela 20-30, en todas las parcelas de CARBONO. Las técnicas para los individuos de 4-10 cm diámetro son idénticas a las que se usan para los árboles mas grandes. Para los individuos entre 1 hasta <4 cm diámetro a 1.30 m del suelo, se usarán las mismas técnicas usadas en el censo de árboles de TREES. Esto incluye: a) medir con calipers, dando vuelta al tallo en el punto de medición, para sacar el diámetro máximo; b) pintar este punto con pintura roja; y c) usar un anillo de alambre de acero inoxidable rodeando la base del árbol para poner la etiqueta.

Se usará un mecate conectando los 4 varillas de las esquinas para marcar claramente la subparcela.

Un punto especial para cuidar estos individuos pequeños es la recolecta de hojas cuando sea necesaria para la identificación. Nunca se colectará mas de 5% del area foliar total (o sea si la planta tiene 20 hojas se puede recolectar solo 1). Esto quiere decir que algunos individuos no-identificados van a quedar sin recolectar; esto es preferible a tomar mas de 5% del area foliar total.

Para las palmeras multi-tallos como Geonoma, se determinará lo que se va a llamar un individuo por ver los ángulos de los diferentes tallos. Todos los tallos que parecen que sus tallos van a un punto común serán marcados como tallos multiples de un individuo. Si la línea de la subparcela pasa entre uno de estas plantas con multiples tallos, se la incluirá si tiene la mitad o mas de los tallos con raíces en la parcela. Entonces una mata con siete tallos, 4 adentro y 3 afuera entraría, pero si era 3 adentro y 4 afuera no. Esto es consistente con el criterio para árboles que caen en los límites de las parcelas de CARBONO.

Lo que cuenta para incluir una planta, además de su diámetro a 130 m, es donde están sus raíces. Si las raíces están en esta subparcela, aunque el punto de medición esta en otra, se debe incluir en este subcenso (esto es lo mismo que hacemos con los grandes en CARBONO).

Para los individuos que tienen 1-10 cm a 130 pero que tienen mala forma a 130 se buscará un sitio arriba para medir a 1000. Estos individuos tienen que tener 1-10 cm a 1000 para entrar.

Lianas pegados a troncos si deben tomarse en cuenta, con tal que tienen raíces en el suelo.

En 2013 no se va a estimar posición de copa para los individuos pequeños pero si se va a medir el diámetro de los muertos de pie usando el mismo sistema y códigos usados para los individuos ≥ 100 mm diámetro.