

chamt	ind	twig	treat	positi	row	col	caliper	length
Coldr	ACEPEN01_HF	1	CS1	1	1	1		
2	ACEPEN01_HF	2	CS0	102	6	13		
1	ACEPEN01_HF	3	CL0	71	7	9		
Growt	ACEPEN01_HF	4	WL2	52	4	7		
Coldr	ACEPEN01_HF	5	WL1	20	4	3		
3	ACEPEN01_HF	6	WL0	46	6	6		
4	ACEPEN01_HF	7	WS0	56	8	7		
Coldr	ACEPEN01_HF	8	WS1	53	5	7		
Growt	ACEPEN01_HF	9	CL2	54	6	7		
Growt	ACEPEN01_HF	10	CS2	57	1	8		
Growt	ACEPEN01_HF	11	WS2	19	3	3		
Coldr	ACEPEN01_HF	12	CL1	23	7	3		
1	ACEPEN02_HF	1	CL0	60	4	8		
Coldr	ACEPEN02_HF	2	CS1	31	7	4		
Growt	ACEPEN02_HF	3	WS2	33	1	5		
Coldr	ACEPEN02_HF	4	WS1	19	3	3		
Growt	ACEPEN02_HF	5	CS2	47	7	6		
Coldr	ACEPEN02_HF	6	WL1	7	7	1		
Growt	ACEPEN02_HF	7	CL2	7	7	1		
3	ACEPEN02_HF	8	WL0	99	3	13		
2	ACEPEN02_HF	9	CS0	119	7	15		
Growt	ACEPEN02_HF	10	WL2	58	2	8		
Coldr	ACEPEN02_HF	11	CL1	22	6	3		
4	ACEPEN02_HF	12	WS0	13	5	2		
Growt	ACEPEN03_HF	1	WL2	13	5	2		
3	ACEPEN03_HF	2	WL0	41	1	6		
Coldr	ACEPEN03_HF	3	WS1	42	2	6		
Growt	ACEPEN03_HF	4	CS2	28	4	4		
2	ACEPEN03_HF	5	CS0	128	8	16		
Growt	ACEPEN03_HF	6	CL2	44	4	6		
Growt	ACEPEN03_HF	7	WS2	7	7	1		
1	ACEPEN03_HF	8	CL0	84	4	11		
Coldr	ACEPEN03_HF	9	CS1	60	4	8		
Coldr	ACEPEN03_HF	10	CL1	58	2	8		
4	ACEPEN03_HF	11	WS0	121	1	16		
Coldr	ACEPEN03_HF	12	WL1	33	1	5		
2	ACEPEN04_HF	1	CS0	45	5	6		
Coldr	ACEPEN04_HF	2	WL1	22	6	3		
Coldr	ACEPEN04_HF	3	CS1	27	3	4		
1	ACEPEN04_HF	4	CL0	95	7	12		
Coldr	ACEPEN04_HF	5	CL1	18	2	3		
4	ACEPEN04_HF	6	WS0	36	4	5		
3	ACEPEN04_HF	7	WL0	17	1	3		
Growt	ACEPEN04_HF	8	WS2	12	4	2		
Growt	ACEPEN04_HF	9	CS2	36	4	5		
Coldr	ACEPEN04_HF	10	WS1	22	6	3		
Growt	ACEPEN04_HF	11	CL2	4	4	1		
Growt	ACEPEN04_HF	12	WL2	28	4	4		
Coldr	ACEPEN11_HF	1	WS1	34	2	5		
4	ACEPEN11_HF	2	WS0	138	2	18		
Growt	ACEPEN11_HF	3	CS2	58	2	8		
2	ACEPEN11_HF	4	CS0	115	3	15		
Growt	ACEPEN11_HF	5	CL2	1	1	1		
1	ACEPEN11_HF	6	CL0	138	2	18		

chamt	ind	twig	treat	positi	row	col	caliper	length
Growt	ACEPEN11_HF	7	WL2	1	1	1		
Coldr	ACEPEN11_HF	8	CL1	21	5	3		
3	ACEPEN11_HF	9	WL0	135	7	17		
Coldr	ACEPEN11_HF	10	CS1	14	6	2		
Growt	ACEPEN11_HF	11	WS2	65	1	9		
Coldr	ACEPEN11_HF	12	WL1	65	1	9		
Growt	ACEPEN12_HF	1	WL2	43	3	6		
Coldr	ACEPEN12_HF	2	CS1	30	6	4		
2	ACEPEN12_HF	3	CS0	91	3	12		
4	ACEPEN12_HF	4	WS0	104	8	13		
Coldr	ACEPEN12_HF	5	WL1	16	8	2		
1	ACEPEN12_HF	6	CL0	131	3	17		
Coldr	ACEPEN12_HF	7	WS1	56	8	7		
Coldr	ACEPEN12_HF	8	CL1	52	4	7		
Growt	ACEPEN12_HF	9	CL2	20	4	3		
3	ACEPEN12_HF	10	WL0	45	5	6		
Growt	ACEPEN12_HF	11	CS2	6	6	1		
Growt	ACEPEN12_HF	12	WS2	36	4	5		
4	ACERUB10_HF	1	WS0	134	6	17		
Coldr	ACERUB10_HF	2	WL1	57	1	8		
1	ACERUB10_HF	3	CL0	75	3	10		
Growt	ACERUB10_HF	4	CL2	12	4	2		
3	ACERUB10_HF	5	WL0	109	5	14		
Growt	ACERUB10_HF	6	CS2	9	1	2		
Growt	ACERUB10_HF	7	WL2	48	8	6		
Coldr	ACERUB10_HF	8	CL1	34	2	5		
Coldr	ACERUB10_HF	9	WS1	2	2	1		
Coldr	ACERUB10_HF	10	CS1	55	7	7		
2	ACERUB10_HF	11	CS0	19	3	3		
Growt	ACERUB10_HF	12	WS2	15	7	2		
Coldr	ACERUB11_HF	1	WL1	59	3	8		
4	ACERUB11_HF	2	WS0	16	8	2		
2	ACERUB11_HF	3	CS0	4	4	1		
Growt	ACERUB11_HF	4	WL2	2	2	1		
1	ACERUB11_HF	5	CL0	23	7	3		
Coldr	ACERUB11_HF	6	WS1	46	6	6		
Coldr	ACERUB11_HF	7	CL1	20	4	3		
Growt	ACERUB11_HF	8	CL2	45	5	6		
Growt	ACERUB11_HF	9	CS2	26	2	4		
3	ACERUB11_HF	10	WL0	114	2	15		
Coldr	ACERUB11_HF	11	CS1	64	8	8		
Growt	ACERUB11_HF	12	WS2	22	6	3		
Growt	ACERUB13_HF	1	CL2	40	8	5		
Coldr	ACERUB13_HF	2	CL1	1	1	1		
3	ACERUB13_HF	3	WL0	37	5	5		
Coldr	ACERUB13_HF	4	CS1	32	8	4		
Coldr	ACERUB13_HF	5	WS1	37	5	5		
Coldr	ACERUB13_HF	6	WL1	2	2	1		
1	ACERUB13_HF	7	CL0	29	5	4		
Growt	ACERUB13_HF	8	CS2	53	5	7		
Growt	ACERUB13_HF	9	WS2	48	8	6		
Growt	ACERUB13_HF	10	WL2	24	8	3		
2	ACERUB13_HF	11	CS0	72	8	9		
4	ACERUB13_HF	12	WS0	20	4	3		

cham	ind	twig	treat	positi	row	col	caliper	length
Coldr	ACERUB14_HF	1	WL1	48	8	6		
3	ACERUB14_HF	2	WL0	51	3	7		
1	ACERUB14_HF	3	CL0	82	2	11		
Growth	ACERUB14_HF	4	CL2	38	6	5		
4	ACERUB14_HF	5	WS0	9	1	2		
Coldr	ACERUB14_HF	6	WS1	30	6	4		
Coldr	ACERUB14_HF	7	CL1	38	6	5		
2	ACERUB14_HF	8	CS0	101	5	13		
Growth	ACERUB14_HF	9	CS2	19	3	3		
Coldr	ACERUB14_HF	10	CS1	10	2	2		
Growth	ACERUB14_HF	11	WL2	29	5	4		
Growth	ACERUB14_HF	12	WS2	62	6	8		
Growth	ACERUB99_HF	1	WL2	64	8	8		
Growth	ACERUB99_HF	2	WS2	11	3	2		
3	ACERUB99_HF	3	WL0	111	7	14		
Coldr	ACERUB99_HF	4	CS1	45	5	6		
Growth	ACERUB99_HF	5	CS2	42	2	6		
1	ACERUB99_HF	6	CL0	37	5	5		
Growth	ACERUB99_HF	7	CL2	3	3	1		
2	ACERUB99_HF	8	CS0	27	3	4		
4	ACERUB99_HF	9	WS0	67	3	9		
Coldr	ACERUB99_HF	10	WS1	65	1	9		
Coldr	ACERUB99_HF	11	CL1	57	1	8		
Coldr	ACERUB99_HF	12	WL1	27	3	4		
Growth	ACESAC02_HF	1	CL2	19	3	3		
3	ACESAC02_HF	2	WL0	59	3	8		
Growth	ACESAC02_HF	3	WS2	34	2	5		
Coldr	ACESAC02_HF	4	CL1	16	8	2		
2	ACESAC02_HF	5	CS0	105	1	14		
1	ACESAC02_HF	6	CL0	2	2	1		
4	ACESAC02_HF	7	WS0	111	7	14		
Growth	ACESAC02_HF	8	WL2	27	3	4		
Growth	ACESAC02_HF	9	CS2	49	1	7		
Coldr	ACESAC02_HF	10	WS1	52	4	7		
Coldr	ACESAC02_HF	11	WL1	9	1	2		
Coldr	ACESAC02_HF	12	CS1	40	8	5		
Coldr	ACESAC05_HF	1	WL1	8	8	1		
4	ACESAC05_HF	2	WS0	133	5	17		
Growth	ACESAC05_HF	3	WS2	58	2	8		
Growth	ACESAC05_HF	4	WL2	32	8	4		
Coldr	ACESAC05_HF	5	CL1	53	5	7		
3	ACESAC05_HF	6	WL0	130	2	17		
1	ACESAC05_HF	7	CL0	137	1	18		
Growth	ACESAC05_HF	8	CL2	31	7	4		
Growth	ACESAC05_HF	9	CS2	21	5	3		
Coldr	ACESAC05_HF	10	WS1	4	4	1		
Coldr	ACESAC05_HF	11	CS1	22	6	3		
2	ACESAC05_HF	12	CS0	24	8	3		
Growth	ACESAC06_HF	1	WS2	27	3	4		
Growth	ACESAC06_HF	2	CL2	15	7	2		
Coldr	ACESAC06_HF	3	CL1	25	1	4		
Growth	ACESAC06_HF	4	WL2	25	1	4		
4	ACESAC06_HF	5	WS0	124	4	16		
1	ACESAC06_HF	6	CL0	135	7	17		

chamt	ind	twig	treat	positi	row	col	caliper	length
	3 ACESAC06_HF	7	WL0	107	3	14		
Coldr	ACESAC06_HF	8	WS1	54	6	7		
Coldr	ACESAC06_HF	9	WL1	17	1	3		
Growth	ACESAC06_HF	10	CS2	61	5	8		
2	ACESAC06_HF	11	CS0	97	1	13		
Coldr	ACESAC06_HF	12	CS1	33	1	5		
1	ACESAC07_HF	1	CL0	117	5	15		
2	ACESAC07_HF	2	CS0	10	2	2		
Coldr	ACESAC07_HF	3	CS1	13	5	2		
Growth	ACESAC07_HF	4	CS2	30	6	4		
Growth	ACESAC07_HF	5	CL2	62	6	8		
Coldr	ACESAC07_HF	6	WL1	1	1	1		
Growth	ACESAC07_HF	7	WS2	29	5	4		
Coldr	ACESAC07_HF	8	WS1	38	6	5		
4	ACESAC07_HF	9	WS0	31	7	4		
3	ACESAC07_HF	10	WL0	36	4	5		
Growth	ACESAC07_HF	11	WL2	39	7	5		
Coldr	ACESAC07_HF	12	CL1	64	8	8		
Coldr	ACESAC10_HF	1	CS1	7	7	1		
4	ACESAC10_HF	2	WS0	7	7	1		
2	ACESAC10_HF	3	CS0	6	6	1		
Growth	ACESAC10_HF	4	CL2	53	5	7		
Coldr	ACESAC10_HF	5	CL1	47	7	6		
3	ACESAC10_HF	6	WL0	82	2	11		
Coldr	ACESAC10_HF	7	WL1	44	4	6		
Growth	ACESAC10_HF	8	CS2	43	3	6		
Coldr	ACESAC10_HF	9	WS1	48	8	6		
Growth	ACESAC10_HF	10	WS2	55	7	7		
Growth	ACESAC10_HF	11	WL2	62	6	8		
1	ACESAC10_HF	12	CL0	53	5	7		
Coldr	ACESAC99_HF	1	WL1	23	7	3		
Coldr	ACESAC99_HF	2	WS1	61	5	8		
4	ACESAC99_HF	3	WS0	65	1	9		
Growth	ACESAC99_HF	4	CS2	31	7	4		
2	ACESAC99_HF	5	CS0	34	2	5		
Coldr	ACESAC99_HF	6	CL1	59	3	8		
Growth	ACESAC99_HF	7	WL2	15	7	2		
3	ACESAC99_HF	8	WL0	22	6	3		
Growth	ACESAC99_HF	9	CL2	51	3	7		
Growth	ACESAC99_HF	10	WS2	46	6	6		
1	ACESAC99_HF	11	CL0	105	1	14		
Coldr	ACESAC99_HF	12	CS1	59	3	8		
2	ALNINC01_HF	1	CS0	88	8	11		
1	ALNINC01_HF	2	CL0	94	6	12		
3	ALNINC01_HF	3	WL0	94	6	12		
4	ALNINC01_HF	4	WS0	54	6	7		
2	ALNINC02_HF	1	CS0	132	4	17		
4	ALNINC02_HF	2	WS0	3	3	1		
3	ALNINC02_HF	3	WL0	22	6	3		
1	ALNINC02_HF	4	CL0	110	6	14		
4	ALNINC04_HF	1	WS0	79	7	10		
2	ALNINC04_HF	2	CS0	37	5	5		
3	ALNINC04_HF	3	WL0	16	8	2		
1	ALNINC04_HF	4	CL0	89	1	12		

chamt	ind	twig	treat	positi	row	col	caliper	length
	1 ALNINC05_HF	1	CL0	42	2	6		
	2 ALNINC05_HF	2	CS0	97	1	13		
	4 ALNINC05_HF	3	WS0	32	8	4		
	3 ALNINC05_HF	4	WL0	117	5	15		
	4 ALNINC07_HF	1	WS0	121	1	16		
	2 ALNINC07_HF	2	CS0	77	5	10		
	3 ALNINC07_HF	3	WL0	27	3	4		
	1 ALNINC07_HF	4	CL0	14	6	2		
	4 ALNINC08_HF	1	WS0	113	1	15		
	3 ALNINC08_HF	2	WL0	95	7	12		
	2 ALNINC08_HF	3	CS0	123	3	16		
	1 ALNINC08_HF	4	CL0	28	4	4		
	4 AROMEL04_HF	1	WS0	13	5	2		
	2 AROMEL04_HF	2	CS0	23	7	3		
	1 AROMEL04_HF	3	CL0	137	1	18		
	3 AROMEL04_HF	4	WL0	126	6	16		
	4 AROMEL06_HF	1	WS0	110	6	14		
	1 AROMEL06_HF	2	CL0	126	6	16		
	2 AROMEL06_HF	3	CS0	29	5	4		
	3 AROMEL06_HF	4	WL0	128	8	16		
	3 AROMEL08_HF	1	WL0	131	3	17		
	2 AROMEL08_HF	2	CS0	93	5	12		
	1 AROMEL08_HF	3	CL0	104	8	13		
	4 AROMEL08_HF	4	WS0	100	4	13		
	1 AROMEL11_HF	1	CL0	53	5	7		
	2 AROMEL11_HF	2	CS0	103	7	13		
	3 AROMEL11_HF	3	WL0	68	4	9		
	4 AROMEL11_HF	4	WS0	59	3	8		
Coldr	BETALL10_HF	1	CS1	62	6	8		
Growth	BETALL10_HF	2	CL2	51	3	7		
Coldr	BETALL10_HF	3	CL1	3	3	1		
	3 BETALL10_HF	4	WL0	19	3	3		
Coldr	BETALL10_HF	5	WS1	49	1	7		
	2 BETALL10_HF	6	CS0	15	7	2		
	1 BETALL10_HF	7	CL0	40	8	5		
Coldr	BETALL10_HF	8	WL1	28	4	4		
Growth	BETALL10_HF	9	WL2	3	3	1		
	4 BETALL10_HF	10	WS0	57	1	8		
Growth	BETALL10_HF	11	WS2	47	7	6		
Growth	BETALL10_HF	12	CS2	9	1	2		
Growth	BETALL16_HF	1	CL2	55	7	7		
Growth	BETALL16_HF	2	CS2	33	1	5		
Coldr	BETALL16_HF	3	WS1	59	3	8		
Growth	BETALL16_HF	4	WS2	19	3	3		
Coldr	BETALL16_HF	5	CL1	34	2	5		
	3 BETALL16_HF	6	WL0	66	2	9		
	4 BETALL16_HF	7	WS0	92	4	12		
Coldr	BETALL16_HF	8	CS1	35	3	5		
Growth	BETALL16_HF	9	WL2	54	6	7		
	1 BETALL16_HF	10	CL0	31	7	4		
	2 BETALL16_HF	11	CS0	112	8	14		
Coldr	BETALL16_HF	12	WL1	51	3	7		
	4 BETALL17_HF	1	WS0	46	6	6		
Growth	BETALL17_HF	2	CS2	20	4	3		

cham	ind	twig	treat	positi	row	col	caliper	length
Coldr	BETALL17_HF	3	CL1	15	7	2		
Growt	BETALL17_HF	4	WS2	17	1	3		
Growt	BETALL17_HF	5	WL2	44	4	6		
Coldr	BETALL17_HF	6	CS1	52	4	7		
1	BETALL17_HF	7	CL0	50	2	7		
Growt	BETALL17_HF	8	CL2	35	3	5		
2	BETALL17_HF	9	CS0	57	1	8		
Coldr	BETALL17_HF	10	WL1	57	1	8		
3	BETALL17_HF	11	WL0	16	8	2		
Coldr	BETALL17_HF	12	WS1	58	2	8		
Growt	BETALL18_HF	1	CL2	48	8	6		
3	BETALL18_HF	2	WL0	86	6	11		
Growt	BETALL18_HF	3	WS2	36	4	5		
Growt	BETALL18_HF	4	CS2	3	3	1		
Coldr	BETALL18_HF	5	CS1	48	8	6		
Coldr	BETALL18_HF	6	WL1	4	4	1		
1	BETALL18_HF	7	CL0	115	3	15		
Coldr	BETALL18_HF	8	WS1	13	5	2		
Growt	BETALL18_HF	9	WL2	55	7	7		
Coldr	BETALL18_HF	10	CL1	39	7	5		
2	BETALL18_HF	11	CS0	16	8	2		
4	BETALL18_HF	12	WS0	120	8	15		
Growt	BETALL19_HF	1	WS2	16	8	2		
Growt	BETALL19_HF	2	CS2	17	1	3		
1	BETALL19_HF	3	CL0	9	1	2		
Coldr	BETALL19_HF	4	WL1	44	4	6		
Coldr	BETALL19_HF	5	CS1	57	1	8		
Growt	BETALL19_HF	6	WL2	10	2	2		
2	BETALL19_HF	7	CS0	123	3	16		
Coldr	BETALL19_HF	8	WS1	11	3	2		
3	BETALL19_HF	9	WL0	23	7	3		
Growt	BETALL19_HF	10	CL2	24	8	3		
Coldr	BETALL19_HF	11	CL1	27	3	4		
4	BETALL19_HF	12	WS0	18	2	3		
1	BETALL20_HF	1	CL0	12	4	2		
2	BETALL20_HF	2	CS0	91	3	12		
Growt	BETALL20_HF	3	WS2	44	4	6		
Coldr	BETALL20_HF	4	CS1	65	1	9		
Coldr	BETALL20_HF	5	CL1	4	4	1		
Coldr	BETALL20_HF	6	WL1	20	4	3		
Growt	BETALL20_HF	7	WL2	31	7	4		
3	BETALL20_HF	8	WL0	100	4	13		
4	BETALL20_HF	9	WS0	130	2	17		
Growt	BETALL20_HF	10	CS2	22	6	3		
Growt	BETALL20_HF	11	CL2	4	4	1		
Coldr	BETALL20_HF	12	WS1	41	1	6		
4	BETLEN04_HF	1	WS0	127	7	16		
3	BETLEN04_HF	2	WL0	34	2	5		
1	BETLEN04_HF	3	CL0	58	2	8		
2	BETLEN04_HF	4	CS0	137	1	18		
1	BETLEN05_HF	1	CL0	32	8	4		
4	BETLEN05_HF	2	WS0	134	6	17		
2	BETLEN05_HF	3	CS0	75	3	10		
3	BETLEN05_HF	4	WL0	53	5	7		

chamt	ind	twig	treat	positi	row	col	caliper	length
	4	BETLEN06_HF	1	WS0	69	5	9	
	2	BETLEN06_HF	2	CS0	55	7	7	
	3	BETLEN06_HF	3	WL0	8	8	1	
	1	BETLEN06_HF	4	CL0	113	1	15	
	2	BETLEN08_HF	1	CS0	108	4	14	
	4	BETLEN08_HF	2	WS0	9	1	2	
	1	BETLEN08_HF	3	CL0	17	1	3	
	3	BETLEN08_HF	4	WL0	46	6	6	
	3	BETLEN10_HF	1	WL0	134	6	17	
	2	BETLEN10_HF	2	CS0	66	2	9	
	1	BETLEN10_HF	3	CL0	55	7	7	
	4	BETLEN10_HF	4	WS0	39	7	5	
	4	BETLEN11_HF	1	WS0	40	8	5	
	1	BETLEN11_HF	2	CL0	121	1	16	
	2	BETLEN11_HF	3	CS0	48	8	6	
	3	BETLEN11_HF	4	WL0	62	6	8	
	3	BETPAP06_HF	1	WL0	90	2	12	
Coldr	BETPAP06_HF	2	WS1	45	5	6		
Growth	BETPAP06_HF	3	CS2	23	7	3		
Growth	BETPAP06_HF	4	WL2	11	3	2		
Coldr	BETPAP06_HF	5	CL1	65	1	9		
Growth	BETPAP06_HF	6	CL2	63	7	8		
	4	BETPAP06_HF	7	WS0	91	3	12	
	2	BETPAP06_HF	8	CS0	43	3	6	
Growth	BETPAP06_HF	9	WS2	1	1	1		
Coldr	BETPAP06_HF	10	CS1	1	1	1		
	1	BETPAP06_HF	11	CL0	45	5	6	
Coldr	BETPAP06_HF	12	WL1	14	6	2		
Coldr	BETPAP07_HF	1	CS1	34	2	5		
Coldr	BETPAP07_HF	2	CL1	40	8	5		
Growth	BETPAP07_HF	3	WS2	10	2	2		
	1	BETPAP07_HF	4	CL0	25	1	4	
Growth	BETPAP07_HF	5	CL2	60	4	8		
Growth	BETPAP07_HF	6	CS2	56	8	7		
Coldr	BETPAP07_HF	7	WL1	61	5	8		
	3	BETPAP07_HF	8	WL0	97	1	13	
	4	BETPAP07_HF	9	WS0	43	3	6	
	2	BETPAP07_HF	10	CS0	122	2	16	
Coldr	BETPAP07_HF	11	WS1	50	2	7		
Growth	BETPAP07_HF	12	WL2	57	1	8		
Coldr	BETPAP09_HF	1	CL1	32	8	4		
Coldr	BETPAP09_HF	2	WS1	18	2	3		
Growth	BETPAP09_HF	3	CS2	12	4	2		
Growth	BETPAP09_HF	4	WL2	59	3	8		
Coldr	BETPAP09_HF	5	WL1	26	2	4		
	1	BETPAP09_HF	6	CL0	80	8	10	
Coldr	BETPAP09_HF	7	CS1	20	4	3		
Growth	BETPAP09_HF	8	WS2	11	3	2		
	4	BETPAP09_HF	9	WS0	28	4	4	
	2	BETPAP09_HF	10	CS0	134	6	17	
	3	BETPAP09_HF	11	WL0	38	6	5	
Growth	BETPAP09_HF	12	CL2	16	8	2		
	2	BETPAP13_HF	1	CS0	71	7	9	
Coldr	BETPAP13_HF	2	WS1	15	7	2		

chamt	ind	twig	treat	positi	row	col	caliper	length
	1 BETPAP13_HF	3	CL0	43	3	6		
Coldr	BETPAP13_HF	4	WL1	34	2	5		
	3 BETPAP13_HF	5	WL0	18	2	3		
Growth	BETPAP13_HF	6	WS2	59	3	8		
Growth	BETPAP13_HF	7	WL2	17	1	3		
Growth	BETPAP13_HF	8	CS2	16	8	2		
Growth	BETPAP13_HF	9	CL2	26	2	4		
Coldr	BETPAP13_HF	10	CS1	17	1	3		
Coldr	BETPAP13_HF	11	CL1	8	8	1		
	4 BETPAP13_HF	12	WS0	125	5	16		
Growth	BETPAP14_HF	1	CL2	28	4	4		
	2 BETPAP14_HF	2	CS0	39	7	5		
Growth	BETPAP14_HF	3	CS2	11	3	2		
Coldr	BETPAP14_HF	4	CS1	50	2	7		
	1 BETPAP14_HF	5	CL0	57	1	8		
	3 BETPAP14_HF	6	WL0	120	8	15		
Coldr	BETPAP14_HF	7	CL1	37	5	5		
Growth	BETPAP14_HF	8	WS2	38	6	5		
Coldr	BETPAP14_HF	9	WL1	42	2	6		
	4 BETPAP14_HF	10	WS0	24	8	3		
Coldr	BETPAP14_HF	11	WS1	1	1	1		
Growth	BETPAP14_HF	12	WL2	28	4	4		
Coldr	BETPAP15_HF	1	CS1	21	5	3		
	4 BETPAP15_HF	2	WS0	71	7	9		
	2 BETPAP15_HF	3	CS0	87	7	11		
Growth	BETPAP15_HF	4	WL2	45	5	6		
Growth	BETPAP15_HF	5	CS2	42	2	6		
Growth	BETPAP15_HF	6	WS2	24	8	3		
Coldr	BETPAP15_HF	7	WS1	9	1	2		
Growth	BETPAP15_HF	8	CL2	49	1	7		
	3 BETPAP15_HF	9	WL0	76	4	10		
	1 BETPAP15_HF	10	CL0	37	5	5		
Coldr	BETPAP15_HF	11	WL1	2	2	1		
Coldr	BETPAP15_HF	12	CL1	31	7	4		
	3 CORCOR01_HF	1	WL0	35	3	5		
	4 CORCOR01_HF	2	WS0	60	4	8		
	1 CORCOR01_HF	3	CL0	97	1	13		
	2 CORCOR01_HF	4	CS0	115	3	15		
	2 CORCOR06_HF	1	CS0	28	4	4		
	1 CORCOR06_HF	2	CL0	121	1	16		
	3 CORCOR06_HF	3	WL0	33	1	5		
	4 CORCOR06_HF	4	WS0	122	2	16		
	1 CORCOR07_HF	1	CL0	80	8	10		
	4 CORCOR07_HF	2	WS0	129	1	17		
	2 CORCOR07_HF	3	CS0	113	1	15		
	3 CORCOR07_HF	4	WL0	1	1	1		
	4 CORCOR08_HF	1	WS0	84	4	11		
	2 CORCOR08_HF	2	CS0	46	6	6		
	1 CORCOR08_HF	3	CL0	34	2	5		
	3 CORCOR08_HF	4	WL0	83	3	11		
	4 CORCOR09_HF	1	WS0	6	6	1		
	2 CORCOR09_HF	2	CS0	133	5	17		
	3 CORCOR09_HF	3	WL0	49	1	7		
	1 CORCOR09_HF	4	CL0	112	8	14		



chamt	ind	twig	treat	positi	row	col	caliper	length
	4 CORCOR10_HF	1	WS0	47	7	6		
	2 CORCOR10_HF	2	CS0	75	3	10		
	3 CORCOR10_HF	3	WL0	21	5	3		
	1 CORCOR10_HF	4	CL0	100	4	13		
	3 FAGGRA03_HF	1	WL0	21	5	3		
Growt	FAGGRA03_HF	2	CL2	15	7	2		
Coldr	FAGGRA03_HF	3	CS1	65	1	9		
Coldr	FAGGRA03_HF	4	CL1	24	8	3		
Coldr	FAGGRA03_HF	5	WS1	58	2	8		
Growt	FAGGRA03_HF	6	WS2	20	4	3		
Coldr	FAGGRA03_HF	7	WL1	46	6	6		
Growt	FAGGRA03_HF	8	CS2	38	6	5		
	4 FAGGRA03_HF	9	WS0	21	5	3		
	1 FAGGRA03_HF	10	CL0	56	8	7		
Growt	FAGGRA03_HF	11	WL2	48	8	6		
	2 FAGGRA03_HF	12	CS0	8	8	1		
Growt	FAGGRA09_HF	1	WS2	41	1	6		
	2 FAGGRA09_HF	2	CS0	21	5	3		
Coldr	FAGGRA09_HF	3	CS1	47	7	6		
Coldr	FAGGRA09_HF	4	WL1	11	3	2		
Growt	FAGGRA09_HF	5	WL2	63	7	8		
	3 FAGGRA09_HF	6	WL0	15	7	2		
	4 FAGGRA09_HF	7	WS0	26	2	4		
Coldr	FAGGRA09_HF	8	CL1	54	6	7		
Coldr	FAGGRA09_HF	9	WS1	7	7	1		
Growt	FAGGRA09_HF	10	CL2	47	7	6		
	1 FAGGRA09_HF	11	CL0	50	2	7		
Growt	FAGGRA09_HF	12	CS2	60	4	8		
Coldr	FAGGRA10_HF	1	CL1	36	4	5		
Growt	FAGGRA10_HF	2	WS2	7	7	1		
Growt	FAGGRA10_HF	3	WL2	11	3	2		
Growt	FAGGRA10_HF	4	CL2	10	2	2		
Coldr	FAGGRA10_HF	5	WS1	26	2	4		
	2 FAGGRA10_HF	6	CS0	137	1	18		
Growt	FAGGRA10_HF	7	CS2	18	2	3		
Coldr	FAGGRA10_HF	8	WL1	55	7	7		
	3 FAGGRA10_HF	9	WL0	114	2	15		
	4 FAGGRA10_HF	10	WS0	20	4	3		
	1 FAGGRA10_HF	11	CL0	107	3	14		
Coldr	FAGGRA10_HF	12	CS1	6	6	1		
Coldr	FAGGRA11_HF	1	CS1	51	3	7		
Growt	FAGGRA11_HF	2	CS2	5	5	1		
Coldr	FAGGRA11_HF	3	WS1	1	1	1		
Growt	FAGGRA11_HF	4	CL2	3	3	1		
Coldr	FAGGRA11_HF	5	CL1	48	8	6		
Growt	FAGGRA11_HF	6	WS2	57	1	8		
Coldr	FAGGRA11_HF	7	WL1	41	1	6		
Growt	FAGGRA11_HF	8	WL2	9	1	2		
	4 FAGGRA11_HF	9	WS0	123	3	16		
	3 FAGGRA11_HF	10	WL0	31	7	4		
	1 FAGGRA11_HF	11	CL0	128	8	16		
	2 FAGGRA11_HF	12	CS0	58	2	8		
	4 FAGGRA13_HF	1	WS0	106	2	14		
Growt	FAGGRA13_HF	2	WL2	20	4	3		

chamt	ind	twig	treat	positi	row	col	caliper	length
	1 FAGGRA13_HF	3	CL0	27	3	4		
Coldr	FAGGRA13_HF	4	WS1	40	8	5		
Coldr	FAGGRA13_HF	5	WL1	18	2	3		
Coldr	FAGGRA13_HF	6	CS1	4	4	1		
Growth	FAGGRA13_HF	7	CL2	50	2	7		
	3 FAGGRA13_HF	8	WL0	75	3	10		
Growth	FAGGRA13_HF	9	CS2	55	7	7		
	2 FAGGRA13_HF	10	CS0	85	5	11		
Coldr	FAGGRA13_HF	11	CL1	51	3	7		
Growth	FAGGRA13_HF	12	WS2	62	6	8		
Coldr	FAGGRA14_HF	1	WS1	16	8	2		
Coldr	FAGGRA14_HF	2	CL1	2	2	1		
	1 FAGGRA14_HF	3	CL0	78	6	10		
	3 FAGGRA14_HF	4	WL0	25	1	4		
Coldr	FAGGRA14_HF	5	CS1	63	7	8		
Growth	FAGGRA14_HF	6	CS2	12	4	2		
	2 FAGGRA14_HF	7	CS0	26	2	4		
Growth	FAGGRA14_HF	8	CL2	31	7	4		
Coldr	FAGGRA14_HF	9	WL1	40	8	5		
Growth	FAGGRA14_HF	10	WL2	16	8	2		
	4 FAGGRA14_HF	11	WS0	126	6	16		
Growth	FAGGRA14_HF	12	WS2	23	7	3		
	2 FRANIG01_HF	1	CS0	62	6	8		
	4 FRANIG01_HF	2	WS0	127	7	16		
	3 FRANIG01_HF	3	WL0	106	2	14		
	1 FRANIG01_HF	4	CL0	16	8	2		
	1 FRANIG03_HF	1	CL0	24	8	3		
	2 FRANIG03_HF	2	CS0	79	7	10		
	4 FRANIG03_HF	3	WS0	53	5	7		
	3 FRANIG03_HF	4	WL0	127	7	16		
	1 FRANIG04_HF	1	CL0	41	1	6		
	3 FRANIG04_HF	2	WL0	122	2	16		
	4 FRANIG04_HF	3	WS0	74	2	10		
	2 FRANIG04_HF	4	CS0	132	4	17		
	2 FRANIG05_HF	1	CS0	94	6	12		
	4 FRANIG05_HF	2	WS0	128	8	16		
	1 FRANIG05_HF	3	CL0	99	3	13		
	3 FRANIG05_HF	4	WL0	87	7	11		
	2 FRANIG06_HF	1	CS0	13	5	2		
	1 FRANIG06_HF	2	CL0	102	6	13		
	3 FRANIG06_HF	3	WL0	115	3	15		
	4 FRANIG06_HF	4	WS0	23	7	3		
	1 FRANIG08_HF	1	CL0	125	5	16		
	4 FRANIG08_HF	2	WS0	71	7	9		
	2 FRANIG08_HF	3	CS0	1	1	1		
	3 FRANIG08_HF	4	WL0	27	3	4		
	2 HAMVIR07_HF	1	CS0	59	3	8		
	4 HAMVIR07_HF	2	WS0	76	4	10		
	1 HAMVIR07_HF	3	CL0	71	7	9		
	3 HAMVIR07_HF	4	WL0	97	1	13		
	3 HAMVIR08_HF	1	WL0	5	5	1		
	1 HAMVIR08_HF	2	CL0	70	6	9		
	4 HAMVIR08_HF	3	WS0	11	3	2		
	2 HAMVIR08_HF	4	CS0	51	3	7		

chamt	ind	twig	treatc	positi	row	col	caliper	length
	1 HAMVIR09_HF	1	CL0	120	8	15		
	3 HAMVIR09_HF	2	WL0	113	1	15		
	4 HAMVIR09_HF	3	WS0	17	1	3		
	2 HAMVIR09_HF	4	CS0	45	5	6		
	1 HAMVIR10_HF	1	CL0	65	1	9		
	4 HAMVIR10_HF	2	WS0	42	2	6		
	3 HAMVIR10_HF	3	WL0	77	5	10		
	2 HAMVIR10_HF	4	CS0	49	1	7		
	3 HAMVIR11_HF	1	WL0	41	1	6		
	2 HAMVIR11_HF	2	CS0	32	8	4		
	4 HAMVIR11_HF	3	WS0	19	3	3		
	1 HAMVIR11_HF	4	CL0	30	6	4		
	1 HAMVIR12_HF	1	CL0	119	7	15		
	2 HAMVIR12_HF	2	CS0	20	4	3		
	4 HAMVIR12_HF	3	WS0	63	7	8		
	3 HAMVIR12_HF	4	WL0	59	3	8		
Coldr	ILEMUC03_HF	1	CL1	23	7	3		
	2 ILEMUC03_HF	2	CS0	12	4	2		
Coldr	ILEMUC03_HF	3	WL1	34	2	5		
Growt	ILEMUC03_HF	4	WS2	9	1	2		
	3 ILEMUC03_HF	5	WL0	85	5	11		
Growt	ILEMUC03_HF	6	CS2	64	8	8		
Growt	ILEMUC03_HF	7	WL2	25	1	4		
Coldr	ILEMUC03_HF	8	WS1	20	4	3		
	1 ILEMUC03_HF	9	CL0	100	4	13		
Growt	ILEMUC03_HF	10	CL2	58	2	8		
	4 ILEMUC03_HF	11	WS0	82	2	11		
Coldr	ILEMUC03_HF	12	CS1	13	5	2		
Coldr	ILEMUC04_HF	1	WS1	46	6	6		
	3 ILEMUC04_HF	2	WL0	133	5	17		
Coldr	ILEMUC04_HF	3	CL1	9	1	2		
	1 ILEMUC04_HF	4	CL0	26	2	4		
	2 ILEMUC04_HF	5	CS0	1	1	1		
Coldr	ILEMUC04_HF	6	CS1	26	2	4		
	4 ILEMUC04_HF	7	WS0	22	6	3		
Growt	ILEMUC04_HF	8	CL2	65	1	9		
Coldr	ILEMUC04_HF	9	WL1	21	5	3		
Growt	ILEMUC04_HF	10	WL2	22	6	3		
Growt	ILEMUC04_HF	11	WS2	35	3	5		
Growt	ILEMUC04_HF	12	CS2	14	6	2		
Growt	ILEMUC05_HF	1	WS2	45	5	6		
Coldr	ILEMUC05_HF	2	WS1	11	3	2		
Coldr	ILEMUC05_HF	3	CS1	64	8	8		
	4 ILEMUC05_HF	4	WS0	88	8	11		
	2 ILEMUC05_HF	5	CS0	60	4	8		
	3 ILEMUC05_HF	6	WL0	93	5	12		
Growt	ILEMUC05_HF	7	WL2	17	1	3		
Coldr	ILEMUC05_HF	8	CL1	57	1	8		
	1 ILEMUC05_HF	9	CL0	49	1	7		
Growt	ILEMUC05_HF	10	CL2	43	3	6		
Growt	ILEMUC05_HF	11	CS2	40	8	5		
Coldr	ILEMUC05_HF	12	WL1	19	3	3		
	1 ILEMUC06_HF	1	CL0	119	7	15		
Coldr	ILEMUC06_HF	2	WL1	63	7	8		

chamt	ind	twig	treat	positi	row	col	caliper	length
Coldr	ILEMUC06_HF	3	CS1	48	8	6		
Growt	ILEMUC06_HF	4	WS2	26	2	4		
4	ILEMUC06_HF	5	WS0	112	8	14		
Growt	ILEMUC06_HF	6	CS2	32	8	4		
Growt	ILEMUC06_HF	7	CL2	21	5	3		
Coldr	ILEMUC06_HF	8	WS1	56	8	7		
Growt	ILEMUC06_HF	9	WL2	65	1	9		
2	ILEMUC06_HF	10	CS0	29	5	4		
3	ILEMUC06_HF	11	WL0	67	3	9		
Coldr	ILEMUC06_HF	12	CL1	11	3	2		
Coldr	ILEMUC07_HF	1	CS1	37	5	5		
4	ILEMUC07_HF	2	WS0	110	6	14		
1	ILEMUC07_HF	3	CL0	123	3	16		
Growt	ILEMUC07_HF	4	CL2	55	7	7		
Growt	ILEMUC07_HF	5	WL2	42	2	6		
2	ILEMUC07_HF	6	CS0	110	6	14		
3	ILEMUC07_HF	7	WL0	39	7	5		
Coldr	ILEMUC07_HF	8	CL1	55	7	7		
Growt	ILEMUC07_HF	9	WS2	14	6	2		
Coldr	ILEMUC07_HF	10	WS1	5	5	1		
Coldr	ILEMUC07_HF	11	WL1	33	1	5		
Growt	ILEMUC07_HF	12	CS2	59	3	8		
Growt	ILEMUC08_HF	1	WS2	53	5	7		
Growt	ILEMUC08_HF	2	WL2	4	4	1		
4	ILEMUC08_HF	3	WS0	46	6	6		
Growt	ILEMUC08_HF	4	CL2	11	3	2		
Coldr	ILEMUC08_HF	5	WS1	64	8	8		
1	ILEMUC08_HF	6	CL0	13	5	2		
Coldr	ILEMUC08_HF	7	WL1	54	6	7		
Coldr	ILEMUC08_HF	8	CS1	61	5	8		
Coldr	ILEMUC08_HF	9	CL1	33	1	5		
Growt	ILEMUC08_HF	10	CS2	65	1	9		
3	ILEMUC08_HF	11	WL0	118	6	15		
2	ILEMUC08_HF	12	CS0	78	6	10		
1	KALANG07_HF	1	CL0	97	1	13		
3	KALANG07_HF	2	WL0	37	5	5		
2	KALANG07_HF	3	CS0	26	2	4		
4	KALANG07_HF	4	WS0	78	6	10		
4	KALANG09_HF	1	WS0	114	2	15		
1	KALANG09_HF	2	CL0	58	2	8		
2	KALANG09_HF	3	CS0	90	2	12		
3	KALANG09_HF	4	WL0	6	6	1		
3	KALANG11_HF	1	WL0	70	6	9		
4	KALANG11_HF	2	WS0	129	1	17		
1	KALANG11_HF	3	CL0	76	4	10		
2	KALANG11_HF	4	CS0	134	6	17		
3	KALANG12_HF	1	WL0	85	5	11		
2	KALANG12_HF	2	CS0	138	2	18		
1	KALANG12_HF	3	CL0	46	6	6		
4	KALANG12_HF	4	WS0	111	7	14		
4	KALANG13_HF	1	WS0	62	6	8		
1	KALANG13_HF	2	CL0	54	6	7		
2	KALANG13_HF	3	CS0	98	2	13		
3	KALANG13_HF	4	WL0	107	3	14		

chamt	ind	twig	treat	positi	row	col	caliper	length
2	KALANG14_HF	1	CS0	42	2	6		
1	KALANG14_HF	2	CL0	98	2	13		
4	KALANG14_HF	3	WS0	10	2	2		
3	KALANG14_HF	4	WL0	124	4	16		
1	LONCAN01_HF	1	CL0	105	1	14		
4	LONCAN01_HF	2	WS0	77	5	10		
3	LONCAN01_HF	3	WL0	63	7	8		
2	LONCAN01_HF	4	CS0	80	8	10		
3	LONCAN02_HF	1	WL0	9	1	2		
2	LONCAN02_HF	2	CS0	68	4	9		
4	LONCAN02_HF	3	WS0	70	6	9		
1	LONCAN02_HF	4	CL0	86	6	11		
4	LONCAN04_HF	1	WS0	36	4	5		
1	LONCAN04_HF	2	CL0	69	5	9		
3	LONCAN04_HF	3	WL0	47	7	6		
2	LONCAN04_HF	4	CS0	54	6	7		
2	LONCAN05_HF	1	CS0	109	5	14		
4	LONCAN05_HF	2	WS0	49	1	7		
3	LONCAN05_HF	3	WL0	111	7	14		
1	LONCAN05_HF	4	CL0	81	1	11		
1	LONCAN06_HF	1	CL0	106	2	14		
2	LONCAN06_HF	2	CS0	96	8	12		
3	LONCAN06_HF	3	WL0	127	7	16		
4	LONCAN06_HF	4	WS0	69	5	9		
3	LONCAN07_HF	1	WL0	71	7	9		
4	LONCAN07_HF	2	WS0	98	2	13		
2	LONCAN07_HF	3	CS0	40	8	5		
1	LONCAN07_HF	4	CL0	112	8	14		
3	LYOLIG05_HF	1	WL0	14	6	2		
1	LYOLIG05_HF	2	CL0	5	5	1		
2	LYOLIG05_HF	3	CS0	76	4	10		
4	LYOLIG05_HF	4	WS0	29	5	4		
1	LYOLIG06_HF	1	CL0	33	1	5		
3	LYOLIG06_HF	2	WL0	61	5	8		
4	LYOLIG06_HF	3	WS0	41	1	6		
2	LYOLIG06_HF	4	CS0	120	8	15		
3	LYOLIG07_HF	1	WS0	1	1	1		
2	LYOLIG07_HF	2	CS0	70	6	9		
1	LYOLIG07_HF	3	CL0	62	6	8		
3	LYOLIG07_HF	4	WL0	123	3	16		
2	LYOLIG08_HF	1	CS0	114	2	15		
3	LYOLIG08_HF	2	WL0	106	2	14		
1	LYOLIG08_HF	3	CL0	4	4	1		
4	LYOLIG08_HF	4	WS0	50	2	7		
4	LYOLIG09_HF	1	WS0	48	8	6		
1	LYOLIG09_HF	2	CL0	87	7	11		
2	LYOLIG09_HF	3	CS0	65	1	9		
3	LYOLIG09_HF	4	WL0	73	1	10		
1	LYOLIG33_HF	1	CL0	1	1	1		
2	LYOLIG33_HF	2	CS0	61	5	8		
3	LYOLIG33_HF	3	WL0	84	4	11		
4	LYOLIG33_HF	4	WS0	5	5	1		
2	NYSSYL03_HF	1	CS0	44	4	6		
1	NYSSYL03_HF	2	CL0	101	5	13		

chamt	ind	twig	treat	positi	row	col	caliper	length
	3 NYSSYL03_HF	3	WL0	72	8	9		
	4 NYSSYL03_HF	4	WS0	135	7	17		
	2 NYSSYL06_HF	1	CS0	30	6	4		
	1 NYSSYL06_HF	2	CL0	131	3	17		
	4 NYSSYL06_HF	3	WS0	92	4	12		
	3 NYSSYL06_HF	4	WL0	92	4	12		
	4 NYSSYL08_HF	1	WS0	115	3	15		
	2 NYSSYL08_HF	2	CS0	8	8	1		
	3 NYSSYL08_HF	3	WL0	7	7	1		
	1 NYSSYL08_HF	4	CL0	59	3	8		
	4 NYSSYL10_HF	1	WS0	29	5	4		
	3 NYSSYL10_HF	2	WL0	29	5	4		
	2 NYSSYL10_HF	3	CS0	11	3	2		
	1 NYSSYL10_HF	4	CL0	81	1	11		
	2 NYSSYL13_HF	1	CS0	84	4	11		
	3 NYSSYL13_HF	2	WL0	51	3	7		
	4 NYSSYL13_HF	3	WS0	55	7	7		
	1 NYSSYL13_HF	4	CL0	96	8	12		
	1 NYSSYL14_HF	1	CL0	91	3	12		
	2 NYSSYL14_HF	2	CS0	73	1	10		
	4 NYSSYL14_HF	3	WS0	44	4	6		
	3 NYSSYL14_HF	4	WL0	80	8	10		
Growt	POPGRA02_HF	1	CS2	61	5	8		
Coldr	POPGRA02_HF	2	WL1	10	2	2		
	2 POPGRA02_HF	3	CS0	76	4	10		
	4 POPGRA02_HF	4	WS0	108	4	14		
Coldr	POPGRA02_HF	5	WS1	37	5	5		
Coldr	POPGRA02_HF	6	CL1	55	7	7		
	1 POPGRA02_HF	7	CL0	74	2	10		
	3 POPGRA02_HF	8	WL0	89	1	12		
Growt	POPGRA02_HF	9	WS2	56	8	7		
Growt	POPGRA02_HF	10	CL2	29	5	4		
Coldr	POPGRA02_HF	11	CS1	56	8	7		
Growt	POPGRA02_HF	12	WL2	44	4	6		
Coldr	POPGRA03_HF	1	CL1	30	6	4		
Coldr	POPGRA03_HF	2	WS1	31	7	4		
	4 POPGRA03_HF	3	WS0	51	3	7		
Growt	POPGRA03_HF	4	CL2	44	4	6		
Growt	POPGRA03_HF	5	WS2	55	7	7		
	2 POPGRA03_HF	6	CS0	41	1	6		
Coldr	POPGRA03_HF	7	CS1	7	7	1		
Growt	POPGRA03_HF	8	WL2	55	7	7		
Coldr	POPGRA03_HF	9	WL1	30	6	4		
Growt	POPGRA03_HF	10	CS2	35	3	5		
	3 POPGRA03_HF	11	WL0	136	8	17		
	1 POPGRA03_HF	12	CL0	77	5	10		
	1 POPGRA05_HF	1	CL0	60	4	8		
Coldr	POPGRA05_HF	2	WL1	15	7	2		
	2 POPGRA05_HF	3	CS0	6	6	1		
	3 POPGRA05_HF	4	WL0	87	7	11		
Growt	POPGRA05_HF	5	WL2	51	3	7		
Coldr	POPGRA05_HF	6	CL1	65	1	9		
Growt	POPGRA05_HF	7	CS2	44	4	6		
Growt	POPGRA05_HF	8	CL2	56	8	7		

chamt	ind	twig	treat	positi	row	col	caliper	length
	4 POPGRA05_HF	9	WS0	3	3	1		
Coldr	POPGRA05_HF	10	CS1	24	8	3		
Coldr	POPGRA05_HF	11	WS1	14	6	2		
Growth	POPGRA05_HF	12	WS2	63	7	8		
Coldr	POPGRA06_HF	1	WS1	21	5	3		
Growth	POPGRA06_HF	2	CS2	5	5	1		
Growth	POPGRA06_HF	3	WL2	64	8	8		
	3 POPGRA06_HF	4	WL0	36	4	5		
	4 POPGRA06_HF	5	WS0	81	1	11		
Coldr	POPGRA06_HF	6	WL1	21	5	3		
Growth	POPGRA06_HF	7	WS2	25	1	4		
Coldr	POPGRA06_HF	8	CS1	10	2	2		
	2 POPGRA06_HF	9	CS0	63	7	8		
Growth	POPGRA06_HF	10	CL2	61	5	8		
Coldr	POPGRA06_HF	11	CL1	28	4	4		
	1 POPGRA06_HF	12	CL0	111	7	14		
	2 POPGRA07_HF	1	CS0	89	1	12		
Growth	POPGRA07_HF	2	WS2	3	3	1		
	4 POPGRA07_HF	3	WS0	34	2	5		
	3 POPGRA07_HF	4	WL0	125	5	16		
Coldr	POPGRA07_HF	5	WL1	40	8	5		
Growth	POPGRA07_HF	6	CL2	39	7	5		
Growth	POPGRA07_HF	7	WL2	13	5	2		
	1 POPGRA07_HF	8	CL0	83	3	11		
Coldr	POPGRA07_HF	9	WS1	49	1	7		
Coldr	POPGRA07_HF	10	CS1	12	4	2		
Coldr	POPGRA07_HF	11	CL1	43	3	6		
Growth	POPGRA07_HF	12	CS2	13	5	2		
	1 PRUPEN04_HF	1	CL0	134	6	17		
	3 PRUPEN04_HF	2	WL0	56	8	7		
	2 PRUPEN04_HF	3	CS0	27	3	4		
	4 PRUPEN04_HF	4	WS0	57	1	8		
	3 PRUPEN05_HF	1	WL0	116	4	15		
	4 PRUPEN05_HF	2	WS0	94	6	12		
	2 PRUPEN05_HF	3	CS0	92	4	12		
	1 PRUPEN05_HF	4	CL0	63	7	8		
	1 PRUPEN06_HF	1	CL0	116	4	15		
	2 PRUPEN06_HF	2	CS0	74	2	10		
	4 PRUPEN06_HF	3	WS0	136	8	17		
	3 PRUPEN06_HF	4	WL0	132	4	17		
	3 PRUPEN07_HF	1	WL0	3	3	1		
	2 PRUPEN07_HF	2	CS0	60	4	8		
	1 PRUPEN07_HF	3	CL0	15	7	2		
	4 PRUPEN07_HF	4	WS0	1	1	1		
	1 PRUPEN08_HF	1	CL0	29	5	4		
	2 PRUPEN08_HF	2	CS0	40	8	5		
	3 PRUPEN08_HF	3	WL0	60	4	8		
	4 PRUPEN08_HF	4	WS0	133	5	17		
	1 PRUPEN09_HF	1	CL0	84	4	11		
	3 PRUPEN09_HF	2	WL0	91	3	12		
	4 PRUPEN09_HF	3	WS0	68	4	9		
	2 PRUPEN09_HF	4	CS0	102	6	13		
	3 PRUPEN12_HF	1	WL0	24	8	3		
	2 PRUPEN12_HF	2	CS0	107	3	14		

chamt	ind	twig	treat	positi	row	col	caliper	length
	1 PRUPEN12_HF	3	CL0	11	3	2		
	4 PRUPEN12_HF	4	WS0	125	5	16		
	2 PRUPEN13_HF	1	CS0	4	4	1		
	4 PRUPEN13_HF	2	WS0	37	5	5		
	1 PRUPEN13_HF	3	CL0	122	2	16		
	3 PRUPEN13_HF	4	WL0	40	8	5		
	3 QUEALB08_HF	1	WL0	95	7	12		
	4 QUEALB08_HF	2	WS0	123	3	16		
	2 QUEALB08_HF	3	CS0	110	6	14		
	1 QUEALB08_HF	4	CL0	47	7	6		
	2 QUEALB09_HF	1	CS0	22	6	3		
	4 QUEALB09_HF	2	WS0	41	1	6		
	1 QUEALB09_HF	3	CL0	94	6	12		
	3 QUEALB09_HF	4	WL0	57	1	8		
	2 QUEALB11_HF	1	CS0	55	7	7		
	3 QUEALB11_HF	2	WL0	88	8	11		
	4 QUEALB11_HF	3	WS0	49	1	7		
	1 QUEALB11_HF	4	CL0	20	4	3		
	3 QUEALB12_HF	1	WL0	32	8	4		
	2 QUEALB12_HF	2	CS0	127	7	16		
	4 QUEALB12_HF	3	WS0	30	6	4		
	1 QUEALB12_HF	4	CL0	26	2	4		
	3 QUEALB16_HF	1	WL0	45	5	6		
	2 QUEALB16_HF	2	CS0	113	1	15		
	4 QUEALB16_HF	3	WS0	27	3	4		
	1 QUEALB16_HF	4	CL0	35	3	5		
Growt	QUERUB15_HF	1	WS2	16	8	2		
Col dr	QUERUB15_HF	2	CL1	38	6	5		
	4 QUERUB15_HF	3	WS0	120	8	15		
Growt	QUERUB15_HF	4	CS2	54	6	7		
	1 QUERUB15_HF	5	CL0	93	5	12		
	2 QUERUB15_HF	6	CS0	48	8	6		
Col dr	QUERUB15_HF	7	WL1	22	6	3		
Growt	QUERUB15_HF	8	CL2	5	5	1		
Growt	QUERUB15_HF	9	WL2	46	6	6		
	3 QUERUB15_HF	10	WL0	26	2	4		
Col dr	QUERUB15_HF	11	CS1	23	7	3		
Col dr	QUERUB15_HF	12	WS1	59	3	8		
Growt	QUERUB16_HF	1	WS2	15	7	2		
Col dr	QUERUB16_HF	2	CS1	61	5	8		
Growt	QUERUB16_HF	3	WL2	18	2	3		
	4 QUERUB16_HF	4	WS0	72	8	9		
Growt	QUERUB16_HF	5	CS2	36	4	5		
Col dr	QUERUB16_HF	6	WL1	19	3	3		
	1 QUERUB16_HF	7	CL0	61	5	8		
	3 QUERUB16_HF	8	WL0	74	2	10		
Growt	QUERUB16_HF	9	CL2	6	6	1		
	2 QUERUB16_HF	10	CS0	126	6	16		
Col dr	QUERUB16_HF	11	WS1	44	4	6		
Col dr	QUERUB16_HF	12	CL1	30	6	4		
Col dr	QUERUB17_HF	1	CL1	14	6	2		
Col dr	QUERUB17_HF	2	WL1	55	7	7		
	1 QUERUB17_HF	3	CL0	125	5	16		
	3 QUERUB17_HF	4	WL0	44	4	6		



chamt	ind	twig	treat	positi	row	col	caliper	length
Growt	QUERUB17_HF	5	WS2	65	1	9		
Growt	QUERUB17_HF	6	CS2	31	7	4		
4	QUERUB17_HF	7	WS0	38	6	5		
Coldr	QUERUB17_HF	8	WS1	19	3	3		
2	QUERUB17_HF	9	CS0	117	5	15		
Growt	QUERUB17_HF	10	WL2	40	8	5		
Growt	QUERUB17_HF	11	CL2	28	4	4		
Coldr	QUERUB17_HF	12	CS1	14	6	2		
Growt	QUERUB20_HF	1	WS2	38	6	5		
Coldr	QUERUB20_HF	2	WL1	53	5	7		
Coldr	QUERUB20_HF	3	CL1	59	3	8		
3	QUERUB20_HF	4	WL0	72	8	9		
Growt	QUERUB20_HF	5	WL2	33	1	5		
4	QUERUB20_HF	6	WS0	44	4	6		
1	QUERUB20_HF	7	CL0	110	6	14		
Growt	QUERUB20_HF	8	CS2	48	8	6		
Coldr	QUERUB20_HF	9	CS1	38	6	5		
2	QUERUB20_HF	10	CS0	83	3	11		
Growt	QUERUB20_HF	11	CL2	56	8	7		
Coldr	QUERUB20_HF	12	WS1	60	4	8		
Growt	QUERUB21_HF	1	WL2	36	4	5		
Coldr	QUERUB21_HF	2	WL1	36	4	5		
Growt	QUERUB21_HF	3	CL2	47	7	6		
Growt	QUERUB21_HF	4	WS2	49	1	7		
Coldr	QUERUB21_HF	5	WS1	13	5	2		
1	QUERUB21_HF	6	CL0	136	8	17		
3	QUERUB21_HF	7	WL0	50	2	7		
Coldr	QUERUB21_HF	8	CL1	50	2	7		
2	QUERUB21_HF	9	CS0	49	1	7		
4	QUERUB21_HF	10	WS0	100	4	13		
Coldr	QUERUB21_HF	11	CS1	54	6	7		
Growt	QUERUB21_HF	12	CS2	47	7	6		
Coldr	QUERUB23_HF	1	WS1	8	8	1		
Coldr	QUERUB23_HF	2	CL1	10	2	2		
Growt	QUERUB23_HF	3	WS2	21	5	3		
3	QUERUB23_HF	4	WL0	112	8	14		
Growt	QUERUB23_HF	5	WL2	26	2	4		
Growt	QUERUB23_HF	6	CL2	36	4	5		
Coldr	QUERUB23_HF	7	WL1	47	7	6		
Growt	QUERUB23_HF	8	CS2	2	2	1		
2	QUERUB23_HF	9	CS0	12	4	2		
Coldr	QUERUB23_HF	10	CS1	6	6	1		
1	QUERUB23_HF	11	CL0	83	3	11		
4	QUERUB23_HF	12	WS0	107	3	14		
4	QUEVEL01_HF	1	WS0	32	8	4		
3	QUEVEL01_HF	2	WL0	125	5	16		
2	QUEVEL01_HF	3	CS0	112	8	14		
1	QUEVEL01_HF	4	CL0	118	6	15		
3	QUEVEL02_HF	1	WL0	108	4	14		
4	QUEVEL02_HF	2	WS0	64	8	8		
1	QUEVEL02_HF	3	CL0	39	7	5		
2	QUEVEL02_HF	4	CS0	124	4	16		
3	QUEVEL03_HF	1	WL0	115	3	15		
4	QUEVEL03_HF	2	WS0	89	1	12		

chamt	ind	twig	treatc	positi	row	col	caliper	length
1	QUEVEL03_HF	3	CL0	111	7	14		
2	QUEVEL03_HF	4	CS0	111	7	14		
3	QUEVEL05_HF	1	WL0	105	1	14		
4	QUEVEL05_HF	2	WS0	80	8	10		
2	QUEVEL05_HF	3	CS0	19	3	3		
1	QUEVEL05_HF	4	CL0	15	7	2		
2	QUEVEL06_HF	1	CS0	94	6	12		
1	QUEVEL06_HF	2	CL0	21	5	3		
4	QUEVEL06_HF	3	WS0	85	5	11		
3	QUEVEL06_HF	4	WL0	121	1	16		
2	QUEVEL09_HF	1	CS0	65	1	9		
4	QUEVEL09_HF	2	WS0	47	7	6		
3	QUEVEL09_HF	3	WL0	54	6	7		
1	QUEVEL09_HF	4	CL0	99	3	13		
3	RHAFRA01_HF	1	WL0	132	4	17		
4	RHAFRA01_HF	2	WS0	5	5	1		
1	RHAFRA01_HF	3	CL0	92	4	12		
2	RHAFRA01_HF	4	CS0	50	2	7		
4	RHAFRA02_HF	1	WS0	118	6	15		
1	RHAFRA02_HF	2	CL0	96	8	12		
3	RHAFRA02_HF	3	WL0	66	2	9		
2	RHAFRA02_HF	4	CS0	116	4	15		
3	RHAFRA12_HF	1	WL0	55	7	7		
4	RHAFRA12_HF	2	WS0	103	7	13		
2	RHAFRA12_HF	3	CS0	63	7	8		
1	RHAFRA12_HF	4	CL0	89	1	12		
4	RHAFRA16_HF	1	WS0	38	6	5		
3	RHAFRA16_HF	2	WL0	70	6	9		
2	RHAFRA16_HF	3	CS0	99	3	13		
1	RHAFRA16_HF	4	CL0	56	8	7		
1	RHAFRA17_HF	1	CL0	79	7	10		
3	RHAFRA17_HF	2	WL0	2	2	1		
2	RHAFRA17_HF	3	CS0	135	7	17		
4	RHAFRA17_HF	4	WS0	101	5	13		
4	RHAFRA18_HF	1	WS0	8	8	1		
3	RHAFRA18_HF	2	WL0	65	1	9		
2	RHAFRA18_HF	3	CS0	9	1	2		
1	RHAFRA18_HF	4	CL0	36	4	5		
2	RHOPRI03_HF	1	CS0	106	2	14		
4	RHOPRI03_HF	2	WS0	33	1	5		
1	RHOPRI03_HF	3	CL0	128	8	16		
3	RHOPRI03_HF	4	WL0	138	2	18		
3	RHOPRI04_HF	1	WL0	10	2	2		
2	RHOPRI04_HF	2	CS0	56	8	7		
1	RHOPRI04_HF	3	CL0	88	8	11		
4	RHOPRI04_HF	4	WS0	89	1	12		
2	RHOPRI05_HF	1	CS0	36	4	5		
1	RHOPRI05_HF	2	CL0	20	4	3		
4	RHOPRI05_HF	3	WS0	101	5	13		
3	RHOPRI05_HF	4	WL0	64	8	8		
2	RHOPRI06_HF	1	CS0	25	1	4		
3	RHOPRI06_HF	2	WL0	49	1	7		
4	RHOPRI06_HF	3	WS0	43	3	6		
1	RHOPRI06_HF	4	CL0	78	6	10		

chamt	ind	twig	treatc	positi	row	col	caliper	length
2	RHOPRI07_HF	1	CS0	136	8	17		
1	RHOPRI07_HF	2	CL0	103	7	13		
3	RHOPRI07_HF	3	WL0	74	2	10		
4	RHOPRI07_HF	4	WS0	113	1	15		
3	RHOPRI08_HF	1	WL0	5	5	1		
2	RHOPRI08_HF	2	CS0	14	6	2		
4	RHOPRI08_HF	3	WS0	34	2	5		
1	RHOPRI08_HF	4	CL0	67	3	9		
2	SPIALB01_HF	1	CS0	86	6	11		
1	SPIALB01_HF	2	CL0	116	4	15		
4	SPIALB01_HF	3	WS0	56	8	7		
3	SPIALB01_HF	4	WL0	82	2	11		
4	SPIALB03_HF	1	WS0	118	6	15		
2	SPIALB03_HF	2	CS0	2	2	1		
1	SPIALB03_HF	3	CL0	46	6	6		
3	SPIALB03_HF	4	WL0	78	6	10		
3	SPIALB04_HF	1	WL0	54	6	7		
1	SPIALB04_HF	2	CL0	47	7	6		
2	SPIALB04_HF	3	CS0	28	4	4		
4	SPIALB04_HF	4	WS0	86	6	11		
1	SPIALB05_HF	1	CL0	59	3	8		
3	SPIALB05_HF	2	WL0	63	7	8		
4	SPIALB05_HF	3	WS0	22	6	3		
2	SPIALB05_HF	4	CS0	33	1	5		
4	SPIALB06_HF	1	WS0	104	8	13		
1	SPIALB06_HF	2	CL0	63	7	8		
3	SPIALB06_HF	3	WL0	81	1	11		
2	SPIALB06_HF	4	CS0	38	6	5		
2	SPIALB08_HF	1	CS0	131	3	17		
3	SPIALB08_HF	2	WL0	105	1	14		
1	SPIALB08_HF	3	CL0	51	3	7		
4	SPIALB08_HF	4	WS0	132	4	17		
2	VACMYR01_HF	1	CS0	35	3	5		
1	VACMYR01_HF	2	CL0	120	8	15		
3	VACMYR01_HF	3	WL0	48	8	6		
4	VACMYR01_HF	4	WS0	87	7	11		
4	VACMYR03_HF	1	WS0	28	4	4		
3	VACMYR03_HF	2	WL0	83	3	11		
1	VACMYR03_HF	3	CL0	13	5	2		
2	VACMYR03_HF	4	CS0	83	3	11		
3	VACMYR04_HF	1	WL0	98	2	13		
4	VACMYR04_HF	2	WS0	108	4	14		
2	VACMYR04_HF	3	CS0	104	8	13		
1	VACMYR04_HF	4	CL0	104	8	13		
4	VACMYR05_HF	1	WS0	94	6	12		
3	VACMYR05_HF	2	WL0	124	4	16		
1	VACMYR05_HF	3	CL0	55	7	7		
2	VACMYR05_HF	4	CS0	71	7	9		
2	VACMYR07_HF	1	CS0	124	4	16		
1	VACMYR07_HF	2	CL0	3	3	1		
3	VACMYR07_HF	3	WL0	81	1	11		
4	VACMYR07_HF	4	WS0	65	1	9		
4	VACMYR10_HF	1	WS0	37	5	5		
3	VACMYR10_HF	2	WL0	129	1	17		

chamt	ind	twig	treat	positi	row	col	caliper	length
	2 VACMYR10_HF	3	CS0	86	6	11		
1	VACMYR10_HF	4	CL0	10	2	2		
Growth	VIBCAS02_HF	1	CS2	21	5	3		
4	VIBCAS02_HF	2	WS0	16	8	2		
Growth	VIBCAS02_HF	3	CL2	54	6	7		
Coldr	VIBCAS02_HF	4	WL1	11	3	2		
2	VIBCAS02_HF	5	CS0	15	7	2		
Growth	VIBCAS02_HF	6	WL2	4	4	1		
Coldr	VIBCAS02_HF	7	CL1	61	5	8		
Coldr	VIBCAS02_HF	8	WS1	4	4	1		
1	VIBCAS02_HF	9	CL0	19	3	3		
Coldr	VIBCAS02_HF	10	CS1	30	6	4		
Growth	VIBCAS02_HF	11	WS2	43	3	6		
3	VIBCAS02_HF	12	WL0	80	8	10		
Growth	VIBCAS03_HF	1	CL2	6	6	1		
Coldr	VIBCAS03_HF	2	WS1	40	8	5		
4	VIBCAS03_HF	3	WS0	119	7	15		
Coldr	VIBCAS03_HF	4	CL1	64	8	8		
Coldr	VIBCAS03_HF	5	WL1	5	5	1		
1	VIBCAS03_HF	6	CL0	34	2	5		
Growth	VIBCAS03_HF	7	WL2	62	6	8		
Growth	VIBCAS03_HF	8	CS2	46	6	6		
Growth	VIBCAS03_HF	9	WS2	40	8	5		
Coldr	VIBCAS03_HF	10	CS1	31	7	4		
2	VIBCAS03_HF	11	CS0	39	7	5		
3	VIBCAS03_HF	12	WL0	7	7	1		
Growth	VIBCAS04_HF	1	CL2	57	1	8		
Coldr	VIBCAS04_HF	2	WS1	63	7	8		
1	VIBCAS04_HF	3	CL0	106	2	14		
Growth	VIBCAS04_HF	4	WL2	59	3	8		
3	VIBCAS04_HF	5	WL0	12	4	2		
Coldr	VIBCAS04_HF	6	CL1	56	8	7		
Growth	VIBCAS04_HF	7	WS2	31	7	4		
Growth	VIBCAS04_HF	8	CS2	4	4	1		
2	VIBCAS04_HF	9	CS0	3	3	1		
4	VIBCAS04_HF	10	WS0	136	8	17		
Coldr	VIBCAS04_HF	11	WL1	7	7	1		
Coldr	VIBCAS04_HF	12	CS1	33	1	5		
Growth	VIBCAS07_HF	1	WL2	61	5	8		
Coldr	VIBCAS07_HF	2	CS1	36	4	5		
4	VIBCAS07_HF	3	WS0	17	1	3		
Growth	VIBCAS07_HF	4	CL2	20	4	3		
2	VIBCAS07_HF	5	CS0	38	6	5		
Coldr	VIBCAS07_HF	6	WL1	3	3	1		
1	VIBCAS07_HF	7	CL0	48	8	6		
3	VIBCAS07_HF	8	WL0	28	4	4		
Growth	VIBCAS07_HF	9	WS2	27	3	4		
Coldr	VIBCAS07_HF	10	WS1	16	8	2		
Growth	VIBCAS07_HF	11	CS2	32	8	4		
Coldr	VIBCAS07_HF	12	CL1	5	5	1		
3	VIBCAS08_HF	1	WL0	103	7	13		
Coldr	VIBCAS08_HF	2	WS1	29	5	4		
Growth	VIBCAS08_HF	3	CS2	53	5	7		
Coldr	VIBCAS08_HF	4	WL1	49	1	7		

chamt	ind	twig	treat	positi	row	col	caliper	length
Growt	VIBCAS08_HF	5	CL2	30	6	4		
Growt	VIBCAS08_HF	6	WS2	60	4	8		
4	VIBCAS08_HF	7	WS0	99	3	13		
2	VIBCAS08_HF	8	CS0	69	5	9		
1	VIBCAS08_HF	9	CL0	98	2	13		
Growt	VIBCAS08_HF	10	WL2	1	1	1		
Coldr	VIBCAS08_HF	11	CL1	10	2	2		
Coldr	VIBCAS08_HF	12	CS1	40	8	5		
2	VIBCAS10_HF	1	CS0	118	6	15		
Coldr	VIBCAS10_HF	2	WS1	28	4	4		
4	VIBCAS10_HF	3	WS0	75	3	10		
Growt	VIBCAS10_HF	4	CS2	33	1	5		
Coldr	VIBCAS10_HF	5	CL1	63	7	8		
Growt	VIBCAS10_HF	6	WL2	26	2	4		
1	VIBCAS10_HF	7	CL0	90	2	12		
3	VIBCAS10_HF	8	WL0	11	3	2		
Coldr	VIBCAS10_HF	9	CS1	53	5	7		
Growt	VIBCAS10_HF	10	CL2	49	1	7		
Coldr	VIBCAS10_HF	11	WL1	13	5	2		
Growt	VIBCAS10_HF	12	WS2	51	3	7		
Growt	VIBLAN03_HF	1	CL2	29	5	4		
Coldr	VIBLAN03_HF	2	CS1	23	7	3		
Coldr	VIBLAN03_HF	3	WS1	43	3	6		
2	VIBLAN03_HF	4	CS0	106	2	14		
3	VIBLAN03_HF	5	WL0	4	4	1		
4	VIBLAN03_HF	6	WS0	61	5	8		
Growt	VIBLAN03_HF	7	WL2	9	1	2		
Growt	VIBLAN03_HF	8	CS2	58	2	8		
Coldr	VIBLAN03_HF	9	WL1	6	6	1		
Coldr	VIBLAN03_HF	10	CL1	24	8	3		
Growt	VIBLAN03_HF	11	WS2	3	3	1		
1	VIBLAN03_HF	12	CL0	108	4	14		
Growt	VIBLAN04_HF	1	WL2	52	4	7		
Coldr	VIBLAN04_HF	2	WL1	35	3	5		
1	VIBLAN04_HF	3	CL0	75	3	10		
Growt	VIBLAN04_HF	4	CL2	39	7	5		
Coldr	VIBLAN04_HF	5	WS1	38	6	5		
3	VIBLAN04_HF	6	WL0	119	7	15		
Coldr	VIBLAN04_HF	7	CL1	4	4	1		
Growt	VIBLAN04_HF	8	CS2	62	6	8		
4	VIBLAN04_HF	9	WS0	80	8	10		
Coldr	VIBLAN04_HF	10	CS1	9	1	2		
Growt	VIBLAN04_HF	11	WS2	29	5	4		
2	VIBLAN04_HF	12	CS0	104	8	13		
3	VIBLAN09_HF	1	WL0	20	4	3		
1	VIBLAN09_HF	2	CL0	31	7	4		
Coldr	VIBLAN09_HF	3	CL1	21	5	3		
Growt	VIBLAN09_HF	4	WL2	63	7	8		
Coldr	VIBLAN09_HF	5	WS1	41	1	6		
Coldr	VIBLAN09_HF	6	CS1	44	4	6		
Coldr	VIBLAN09_HF	7	WL1	45	5	6		
4	VIBLAN09_HF	8	WS0	95	7	12		
Growt	VIBLAN09_HF	9	CS2	44	4	6		
Growt	VIBLAN09_HF	10	WS2	25	1	4		

chamt	ind	twig	treat	positi	row	col	caliper	length
	2 VIBLAN09_HF	11	CS0	135	7	17		
Growt	VIBLAN09_HF	12	CL2	17	1	3		
Growt	VIBLAN10_HF	1	CS2	29	5	4		
Growt	VIBLAN10_HF	2	WL2	46	6	6		
Growt	VIBLAN10_HF	3	WS2	4	4	1		
Coldr	VIBLAN10_HF	4	WS1	23	7	3		
Coldr	VIBLAN10_HF	5	WL1	14	6	2		
	4 VIBLAN10_HF	6	WS0	12	4	2		
Growt	VIBLAN10_HF	7	CL2	5	5	1		
	3 VIBLAN10_HF	8	WL0	35	3	5		
	2 VIBLAN10_HF	9	CS0	36	4	5		
Coldr	VIBLAN10_HF	10	CL1	41	1	6		
	1 VIBLAN10_HF	11	CL0	36	4	5		
Coldr	VIBLAN10_HF	12	CS1	58	2	8		
	4 VIBLAN11_HF	1	WS0	137	1	18		
Coldr	VIBLAN11_HF	2	WL1	38	6	5		
Coldr	VIBLAN11_HF	3	CS1	21	5	3		
Growt	VIBLAN11_HF	4	WS2	6	6	1		
Growt	VIBLAN11_HF	5	WL2	47	7	6		
Growt	VIBLAN11_HF	6	CL2	16	8	2		
Coldr	VIBLAN11_HF	7	CL1	7	7	1		
	2 VIBLAN11_HF	8	CS0	130	2	17		
	3 VIBLAN11_HF	9	WL0	102	6	13		
Growt	VIBLAN11_HF	10	CS2	43	3	6		
Coldr	VIBLAN11_HF	11	WS1	24	8	3		
	1 VIBLAN11_HF	12	CL0	95	7	12		
Coldr	VIBLAN12_HF	1	CS1	11	3	2		
Coldr	VIBLAN12_HF	2	CL1	9	1	2		
Growt	VIBLAN12_HF	3	CL2	25	1	4		
Coldr	VIBLAN12_HF	4	WL1	42	2	6		
Growt	VIBLAN12_HF	5	WL2	23	7	3		
	3 VIBLAN12_HF	6	WL0	31	7	4		
Growt	VIBLAN12_HF	7	WS2	9	1	2		
	4 VIBLAN12_HF	8	WS0	77	5	10		
	2 VIBLAN12_HF	9	CS0	90	2	12		
Growt	VIBLAN12_HF	10	CS2	65	1	9		
Coldr	VIBLAN12_HF	11	WS1	31	7	4		
	1 VIBLAN12_HF	12	CL0	114	2	15		
Coldr	ACEPEN04_SH	1	CS1	37	5	5		
	1 ACEPEN04_SH	2	CL0	74	2	10		
	3 ACEPEN04_SH	3	WL0	39	7	5		
	4 ACEPEN04_SH	4	WS0	15	7	2		
	2 ACEPEN04_SH	5	CS0	46	6	6		
Growt	ACEPEN04_SH	6	CS2	35	3	5		
Growt	ACEPEN04_SH	7	WL2	54	6	7		
Coldr	ACEPEN04_SH	8	WL1	61	5	8		
Coldr	ACEPEN04_SH	9	WS1	5	5	1		
Coldr	ACEPEN04_SH	10	CL1	45	5	6		
Growt	ACEPEN04_SH	11	CL2	18	2	3		
Growt	ACEPEN04_SH	12	WS2	4	4	1		
	2 ACEPEN06_SH	1	CS0	64	8	8		
Coldr	ACEPEN06_SH	2	WS1	15	7	2		
Coldr	ACEPEN06_SH	3	CS1	43	3	6		
Coldr	ACEPEN06_SH	4	CL1	29	5	4		

chamt	ind	twig	treat	positi	row	col	caliper	length
Growt	ACEPEN06_SH	5	CS2	64	8	8		
4	ACEPEN06_SH	6	WS0	98	2	13		
1	ACEPEN06_SH	7	CL0	85	5	11		
Coldr	ACEPEN06_SH	8	WL1	56	8	7		
3	ACEPEN06_SH	9	WL0	29	5	4		
Growt	ACEPEN06_SH	10	CL2	23	7	3		
Growt	ACEPEN06_SH	11	WS2	60	4	8		
Growt	ACEPEN06_SH	12	WL2	42	2	6		
Coldr	ACEPEN07_SH	1	CL1	8	8	1		
Growt	ACEPEN07_SH	2	WL2	6	6	1		
Coldr	ACEPEN07_SH	3	WS1	24	8	3		
Coldr	ACEPEN07_SH	4	CS1	11	3	2		
1	ACEPEN07_SH	5	CL0	49	1	7		
Coldr	ACEPEN07_SH	6	WL1	28	4	4		
Growt	ACEPEN07_SH	7	WS2	32	8	4		
Growt	ACEPEN07_SH	8	CL2	60	4	8		
4	ACEPEN07_SH	9	WS0	105	1	14		
3	ACEPEN07_SH	10	WL0	96	8	12		
Growt	ACEPEN07_SH	11	CS2	45	5	6		
2	ACEPEN07_SH	12	CS0	7	7	1		
Growt	ACEPEN08_SH	1	CS2	17	1	3		
Growt	ACEPEN08_SH	2	WL2	8	8	1		
Coldr	ACEPEN08_SH	3	CS1	19	3	3		
Coldr	ACEPEN08_SH	4	WL1	46	6	6		
1	ACEPEN08_SH	5	CL0	130	2	17		
Coldr	ACEPEN08_SH	6	WS1	45	5	6		
2	ACEPEN08_SH	7	CS0	114	2	15		
Growt	ACEPEN08_SH	8	WS2	8	8	1		
Coldr	ACEPEN08_SH	9	CL1	43	3	6		
4	ACEPEN08_SH	10	WS0	10	2	2		
Growt	ACEPEN08_SH	11	CL2	35	3	5		
3	ACEPEN08_SH	12	WL0	47	7	6		
Coldr	ACEPEN09_SH	1	WL1	62	6	8		
Coldr	ACEPEN09_SH	2	CL1	32	8	4		
Growt	ACEPEN09_SH	3	WL2	51	3	7		
1	ACEPEN09_SH	4	CL0	87	7	11		
Growt	ACEPEN09_SH	5	WS2	45	5	6		
4	ACEPEN09_SH	6	WS0	52	4	7		
Growt	ACEPEN09_SH	7	CS2	63	7	8		
Coldr	ACEPEN09_SH	8	CS1	35	3	5		
Coldr	ACEPEN09_SH	9	WS1	6	6	1		
Growt	ACEPEN09_SH	10	CL2	13	5	2		
3	ACEPEN09_SH	11	WL0	56	8	7		
2	ACEPEN09_SH	12	CS0	133	5	17		
3	ACEPEN11_SH	1	WL0	122	2	16		
Growt	ACEPEN11_SH	2	CL2	57	1	8		
4	ACEPEN11_SH	3	WS0	45	5	6		
Coldr	ACEPEN11_SH	4	WS1	29	5	4		
Growt	ACEPEN11_SH	5	WL2	56	8	7		
Coldr	ACEPEN11_SH	6	CL1	56	8	7		
Coldr	ACEPEN11_SH	7	WL1	51	3	7		
Coldr	ACEPEN11_SH	8	CS1	44	4	6		
Growt	ACEPEN11_SH	9	WS2	49	1	7		
2	ACEPEN11_SH	10	CS0	121	1	16		

chamt	ind	twig	treat	positi	row	col	caliper	length
Growt	ACEPEN11_SH	11	CS2	60	4	8		
	1 ACEPEN11_SH	12	CL0	76	4	10		
Growt	ACERUB05_SH	1	WS2	2	2	1		
Coldr	ACERUB05_SH	2	CL1	6	6	1		
Coldr	ACERUB05_SH	3	WL1	10	2	2		
Growt	ACERUB05_SH	4	CS2	3	3	1		
Coldr	ACERUB05_SH	5	WS1	60	4	8		
Growt	ACERUB05_SH	6	WL2	10	2	2		
	1 ACERUB05_SH	7	CL0	52	4	7		
	2 ACERUB05_SH	8	CS0	47	7	6		
	3 ACERUB05_SH	9	WL0	6	6	1		
Growt	ACERUB05_SH	10	CL2	33	1	5		
	4 ACERUB05_SH	11	WS0	27	3	4		
Coldr	ACERUB05_SH	12	CS1	52	4	7		
Coldr	ACERUB06_SH	1	CS1	12	4	2		
	3 ACERUB06_SH	2	WL0	134	6	17		
Growt	ACERUB06_SH	3	WS2	61	5	8		
Growt	ACERUB06_SH	4	WL2	35	3	5		
Coldr	ACERUB06_SH	5	WS1	10	2	2		
	2 ACERUB06_SH	6	CS0	80	8	10		
Coldr	ACERUB06_SH	7	WL1	32	8	4		
Growt	ACERUB06_SH	8	CL2	22	6	3		
	4 ACERUB06_SH	9	WS0	126	6	16		
	1 ACERUB06_SH	10	CL0	109	5	14		
Growt	ACERUB06_SH	11	CS2	1	1	1		
Coldr	ACERUB06_SH	12	CL1	42	2	6		
Coldr	ACERUB07_SH	1	WL1	47	7	6		
	2 ACERUB07_SH	2	CS0	22	6	3		
Growt	ACERUB07_SH	3	CS2	16	8	2		
Growt	ACERUB07_SH	4	WL2	19	3	3		
	1 ACERUB07_SH	5	CL0	73	1	10		
	3 ACERUB07_SH	6	WL0	84	4	11		
Coldr	ACERUB07_SH	7	CS1	41	1	6		
Growt	ACERUB07_SH	8	CL2	21	5	3		
Coldr	ACERUB07_SH	9	CL1	3	3	1		
Growt	ACERUB07_SH	10	WS2	5	5	1		
Coldr	ACERUB07_SH	11	WS1	18	2	3		
	4 ACERUB07_SH	12	WS0	109	5	14		
	1 ACERUB08_SH	1	CL0	86	6	11		
Growt	ACERUB08_SH	2	WS2	64	8	8		
Coldr	ACERUB08_SH	3	WL1	45	5	6		
Growt	ACERUB08_SH	4	WL2	5	5	1		
Growt	ACERUB08_SH	5	CL2	59	3	8		
Growt	ACERUB08_SH	6	CS2	15	7	2		
Coldr	ACERUB08_SH	7	WS1	12	4	2		
	4 ACERUB08_SH	8	WS0	131	3	17		
	2 ACERUB08_SH	9	CS0	50	2	7		
Coldr	ACERUB08_SH	10	CS1	39	7	5		
Coldr	ACERUB08_SH	11	CL1	44	4	6		
	3 ACERUB08_SH	12	WL0	90	2	12		
Coldr	ACERUB09_SH	1	CL1	48	8	6		
Coldr	ACERUB09_SH	2	WL1	15	7	2		
Growt	ACERUB09_SH	3	CS2	18	2	3		
Growt	ACERUB09_SH	4	WS2	13	5	2		



cham	ind	twig	treat	positi	row	col	caliper	length
Coldr	ACERUB09_SH	5	WS1	32	8	4		
4	ACERUB09_SH	6	WS0	19	3	3		
3	ACERUB09_SH	7	WL0	126	6	16		
Growth	ACERUB09_SH	8	WL2	7	7	1		
2	ACERUB09_SH	9	CS0	79	7	10		
Growth	ACERUB09_SH	10	CL2	26	2	4		
1	ACERUB09_SH	11	CL0	113	1	15		
Coldr	ACERUB09_SH	12	CS1	46	6	6		
2	ACERUB10_SH	1	CS0	127	7	16		
Coldr	ACERUB10_SH	2	WL1	4	4	1		
1	ACERUB10_SH	3	CL0	68	4	9		
3	ACERUB10_SH	4	WL0	60	4	8		
Growth	ACERUB10_SH	5	CL2	34	2	5		
4	ACERUB10_SH	6	WS0	83	3	11		
Growth	ACERUB10_SH	7	CS2	37	5	5		
Growth	ACERUB10_SH	8	WL2	37	5	5		
Growth	ACERUB10_SH	9	WS2	39	7	5		
Coldr	ACERUB10_SH	10	CS1	15	7	2		
Coldr	ACERUB10_SH	11	WS1	63	7	8		
Coldr	ACERUB10_SH	12	CL1	13	5	2		
2	ACESAC02_SH	1	CS0	41	1	6		
Growth	ACESAC02_SH	2	CL2	46	6	6		
Coldr	ACESAC02_SH	3	CS1	42	2	6		
Growth	ACESAC02_SH	4	WL2	45	5	6		
3	ACESAC02_SH	5	WL0	129	1	17		
Coldr	ACESAC02_SH	6	WS1	39	7	5		
Coldr	ACESAC02_SH	7	WL1	35	3	5		
Growth	ACESAC02_SH	8	WS2	41	1	6		
1	ACESAC02_SH	9	CL0	45	5	6		
Coldr	ACESAC02_SH	10	CL1	19	3	3		
4	ACESAC02_SH	11	WS0	87	7	11		
Growth	ACESAC02_SH	12	CS2	25	1	4		
2	ACESAC03_SH	1	CS0	67	3	9		
Growth	ACESAC03_SH	2	WS2	20	4	3		
Coldr	ACESAC03_SH	3	WS1	47	7	6		
Coldr	ACESAC03_SH	4	CL1	49	1	7		
3	ACESAC03_SH	5	WL0	58	2	8		
Coldr	ACESAC03_SH	6	WL1	29	5	4		
1	ACESAC03_SH	7	CL0	64	8	8		
Coldr	ACESAC03_SH	8	CS1	29	5	4		
4	ACESAC03_SH	9	WS0	24	8	3		
Growth	ACESAC03_SH	10	CS2	27	3	4		
Growth	ACESAC03_SH	11	WL2	41	1	6		
Growth	ACESAC03_SH	12	CL2	9	1	2		
2	ACESAC07_SH	1	CS0	77	5	10		
Coldr	ACESAC07_SH	2	CS1	57	1	8		
Growth	ACESAC07_SH	3	CS2	51	3	7		
3	ACESAC07_SH	4	WL0	91	3	12		
Coldr	ACESAC07_SH	5	CL1	39	7	5		
1	ACESAC07_SH	6	CL0	42	2	6		
Growth	ACESAC07_SH	7	CL2	52	4	7		
Coldr	ACESAC07_SH	8	WL1	30	6	4		
4	ACESAC07_SH	9	WS0	107	3	14		
Growth	ACESAC07_SH	10	WS2	43	3	6		

chamt	ind	twig	treat	positi	row	col	caliper	length
Coldr	ACESAC07_SH	11	WS1	36	4	5		
Growt	ACESAC07_SH	12	WL2	53	5	7		
Coldr	ACESAC09_SH	1	WL1	60	4	8		
3	ACESAC09_SH	2	WL0	137	1	18		
Growt	ACESAC09_SH	3	WS2	6	6	1		
Coldr	ACESAC09_SH	4	CL1	46	6	6		
Coldr	ACESAC09_SH	5	WS1	21	5	3		
Coldr	ACESAC09_SH	6	CS1	25	1	4		
4	ACESAC09_SH	7	WS0	95	7	12		
2	ACESAC09_SH	8	CS0	96	8	12		
Growt	ACESAC09_SH	9	CS2	8	8	1		
1	ACESAC09_SH	10	CL0	123	3	16		
Growt	ACESAC09_SH	11	WL2	49	1	7		
Growt	ACESAC09_SH	12	CL2	42	2	6		
Coldr	ACESAC10_SH	1	WS1	43	3	6		
4	ACESAC10_SH	2	WS0	128	8	16		
Coldr	ACESAC10_SH	3	CL1	41	1	6		
2	ACESAC10_SH	4	CS0	56	8	7		
Growt	ACESAC10_SH	5	WL2	22	6	3		
Growt	ACESAC10_SH	6	CS2	55	7	7		
Coldr	ACESAC10_SH	7	CS1	17	1	3		
Growt	ACESAC10_SH	8	WS2	44	4	6		
Growt	ACESAC10_SH	9	CL2	27	3	4		
Coldr	ACESAC10_SH	10	WL1	63	7	8		
3	ACESAC10_SH	11	WL0	120	8	15		
1	ACESAC10_SH	12	CL0	133	5	17		
Coldr	ACESAC99_SH	1	CS1	53	5	7		
Growt	ACESAC99_SH	2	CL2	48	8	6		
3	ACESAC99_SH	3	WL0	119	7	15		
2	ACESAC99_SH	4	CS0	125	5	16		
Coldr	ACESAC99_SH	5	WL1	24	8	3		
4	ACESAC99_SH	6	WS0	81	1	11		
Growt	ACESAC99_SH	7	WL2	65	1	9		
Coldr	ACESAC99_SH	8	CL1	63	7	8		
Growt	ACESAC99_SH	9	WS2	23	7	3		
1	ACESAC99_SH	10	CL0	1	1	1		
Growt	ACESAC99_SH	11	CS2	41	1	6		
Coldr	ACESAC99_SH	12	WS1	9	1	2		
4	ALNINC01_SH	1	WS0	48	8	6		
2	ALNINC01_SH	2	CS0	119	7	15		
3	ALNINC01_SH	3	WL0	42	2	6		
1	ALNINC01_SH	4	CL0	114	2	15		
4	ALNINC02_SH	1	WS0	78	6	10		
1	ALNINC02_SH	2	CL0	109	5	14		
2	ALNINC02_SH	3	CS0	42	2	6		
3	ALNINC02_SH	4	WL0	135	7	17		
3	ALNINC04_SH	1	WL0	43	3	6		
2	ALNINC04_SH	2	CS0	17	1	3		
1	ALNINC04_SH	3	CL0	108	4	14		
4	ALNINC04_SH	4	WS0	14	6	2		
1	ALNINC05_SH	1	CL0	3	3	1		
3	ALNINC05_SH	2	WL0	32	8	4		
2	ALNINC05_SH	3	CS0	95	7	12		
4	ALNINC05_SH	4	WS0	99	3	13		

chamt	ind	twig	treatc	positi	row	col	caliper	length
	4 ALNINC06_SH	1	WS0	116	4	15		
	1 ALNINC06_SH	2	CL0	57	1	8		
	3 ALNINC06_SH	3	WL0	24	8	3		
	2 ALNINC06_SH	4	CS0	66	2	9		
	4 ALNINC07_SH	1	WS0	18	2	3		
	1 ALNINC07_SH	2	CL0	126	6	16		
	3 ALNINC07_SH	3	WL0	69	5	9		
	2 ALNINC07_SH	4	CS0	82	2	11		
	3 BETALL01_SH	1	WL0	110	6	14		
	1 BETALL01_SH	2	CL0	82	2	11		
Growt	BETALL01_SH	3	CS2	63	7	8		
Growt	BETALL01_SH	4	WL2	58	2	8		
Growt	BETALL01_SH	5	CL2	25	1	4		
Coldr	BETALL01_SH	6	WS1	55	7	7		
Growt	BETALL01_SH	7	WS2	30	6	4		
Coldr	BETALL01_SH	8	CL1	2	2	1		
Coldr	BETALL01_SH	9	CS1	2	2	1		
	4 BETALL01_SH	10	WS0	33	1	5		
	2 BETALL01_SH	11	CS0	52	4	7		
Coldr	BETALL01_SH	12	WL1	64	8	8		
Growt	BETALL02_SH	1	CL2	22	6	3		
Coldr	BETALL02_SH	2	CS1	46	6	6		
	2 BETALL02_SH	3	CS0	103	7	13		
Growt	BETALL02_SH	4	WS2	57	1	8		
Coldr	BETALL02_SH	5	CL1	49	1	7		
Coldr	BETALL02_SH	6	WS1	57	1	8		
	4 BETALL02_SH	7	WS0	61	5	8		
Growt	BETALL02_SH	8	CS2	28	4	4		
Growt	BETALL02_SH	9	WL2	7	7	1		
Coldr	BETALL02_SH	10	WL1	1	1	1		
	3 BETALL02_SH	11	WL0	118	6	15		
	1 BETALL02_SH	12	CL0	70	6	9		
Growt	BETALL03_SH	1	WS2	52	4	7		
	2 BETALL03_SH	2	CS0	126	6	16		
	4 BETALL03_SH	3	WS0	96	8	12		
	1 BETALL03_SH	4	CL0	73	1	10		
Growt	BETALL03_SH	5	WL2	32	8	4		
	3 BETALL03_SH	6	WL0	9	1	2		
Coldr	BETALL03_SH	7	CL1	62	6	8		
Growt	BETALL03_SH	8	CL2	18	2	3		
Coldr	BETALL03_SH	9	CS1	28	4	4		
Coldr	BETALL03_SH	10	WL1	38	6	5		
Growt	BETALL03_SH	11	CS2	7	7	1		
Coldr	BETALL03_SH	12	WS1	17	1	3		
	4 BETALL08_SH	1	WS0	63	7	8		
	3 BETALL08_SH	2	WL0	89	1	12		
	1 BETALL08_SH	3	CL0	24	8	3		
Coldr	BETALL08_SH	4	WL1	52	4	7		
Growt	BETALL08_SH	5	WL2	27	3	4		
	2 BETALL08_SH	6	CS0	70	6	9		
Growt	BETALL08_SH	7	WS2	33	1	5		
Coldr	BETALL08_SH	8	WS1	47	7	6		
Coldr	BETALL08_SH	9	CS1	3	3	1		
Growt	BETALL08_SH	10	CL2	27	3	4		

cham	ind	twig	treat	positi	row	col	caliper	length
Coldr	BETALL08_SH	11	CL1	60	4	8		
Growt	BETALL08_SH	12	CS2	49	1	7		
Coldr	BETALL09_SH	1	CL1	29	5	4		
4	BETALL09_SH	2	WS0	53	5	7		
Coldr	BETALL09_SH	3	CS1	49	1	7		
Growt	BETALL09_SH	4	WS2	32	8	4		
2	BETALL09_SH	5	CS0	31	7	4		
Coldr	BETALL09_SH	6	WL1	41	1	6		
1	BETALL09_SH	7	CL0	77	5	10		
Growt	BETALL09_SH	8	CS2	15	7	2		
3	BETALL09_SH	9	WL0	93	5	12		
Growt	BETALL09_SH	10	WL2	30	6	4		
Coldr	BETALL09_SH	11	WS1	7	7	1		
Growt	BETALL09_SH	12	CL2	12	4	2		
Growt	BETALL10_SH	1	CL2	64	8	8		
Growt	BETALL10_SH	2	WS2	40	8	5		
Coldr	BETALL10_SH	3	CL1	20	4	3		
Coldr	BETALL10_SH	4	CS1	43	3	6		
1	BETALL10_SH	5	CL0	66	2	9		
Growt	BETALL10_SH	6	WL2	41	1	6		
4	BETALL10_SH	7	WS0	21	5	3		
Coldr	BETALL10_SH	8	WS1	6	6	1		
2	BETALL10_SH	9	CS0	32	8	4		
3	BETALL10_SH	10	WL0	43	3	6		
Growt	BETALL10_SH	11	CS2	62	6	8		
Coldr	BETALL10_SH	12	WL1	12	4	2		
Coldr	BETPAP04_SH	1	CS1	16	8	2		
Growt	BETPAP04_SH	2	CL2	10	2	2		
Coldr	BETPAP04_SH	3	CL1	36	4	5		
3	BETPAP04_SH	4	WL0	15	7	2		
1	BETPAP04_SH	5	CL0	23	7	3		
Growt	BETPAP04_SH	6	WS2	51	3	7		
Coldr	BETPAP04_SH	7	WS1	27	3	4		
Growt	BETPAP04_SH	8	CS2	50	2	7		
4	BETPAP04_SH	9	WS0	23	7	3		
Growt	BETPAP04_SH	10	WL2	36	4	5		
Coldr	BETPAP04_SH	11	WL1	59	3	8		
2	BETPAP04_SH	12	CS0	3	3	1		
Growt	BETPAP06_SH	1	WS2	13	5	2		
3	BETPAP06_SH	2	WL0	113	1	15		
Coldr	BETPAP06_SH	3	CS1	63	7	8		
Coldr	BETPAP06_SH	4	WL1	29	5	4		
Coldr	BETPAP06_SH	5	WS1	51	3	7		
Growt	BETPAP06_SH	6	WL2	16	8	2		
Growt	BETPAP06_SH	7	CL2	62	6	8		
2	BETPAP06_SH	8	CS0	18	2	3		
Coldr	BETPAP06_SH	9	CL1	5	5	1		
1	BETPAP06_SH	10	CL0	133	5	17		
4	BETPAP06_SH	11	WS0	73	1	10		
Growt	BETPAP06_SH	12	CS2	4	4	1		
Coldr	BETPAP07_SH	1	CS1	54	6	7		
1	BETPAP07_SH	2	CL0	124	4	16		
3	BETPAP07_SH	3	WL0	79	7	10		
Growt	BETPAP07_SH	4	CL2	65	1	9		

chamt	ind	twig	treat	positi	row	col	caliper	length
	2	BETPAP07_SH	5	CS0	68	4	9	
Coldr	BETPAP07_SH	6	CL1	53	5	7		
Growth	BETPAP07_SH	7	WL2	5	5	1		
Growth	BETPAP07_SH	8	CS2	29	5	4		
Growth	BETPAP07_SH	9	WS2	18	2	3		
Coldr	BETPAP07_SH	10	WL1	25	1	4		
	4	BETPAP07_SH	11	WS0	58	2	8	
Coldr	BETPAP07_SH	12	WS1	33	1	5		
	1	BETPAP08_SH	1	CL0	91	3	12	
	3	BETPAP08_SH	2	WL0	42	2	6	
Growth	BETPAP08_SH	3	WS2	5	5	1		
Coldr	BETPAP08_SH	4	WS1	20	4	3		
	2	BETPAP08_SH	5	CS0	99	3	13	
Growth	BETPAP08_SH	6	CL2	61	5	8		
	4	BETPAP08_SH	7	WS0	70	6	9	
Growth	BETPAP08_SH	8	WL2	49	1	7		
Coldr	BETPAP08_SH	9	CL1	18	2	3		
Coldr	BETPAP08_SH	10	CS1	36	4	5		
Coldr	BETPAP08_SH	11	WL1	24	8	3		
Growth	BETPAP08_SH	12	CS2	52	4	7		
	4	BETPAP09_SH	1	WS0	88	8	11	
Coldr	BETPAP09_SH	2	CL1	13	5	2		
Growth	BETPAP09_SH	3	CL2	52	4	7		
Growth	BETPAP09_SH	4	WL2	37	5	5		
Coldr	BETPAP09_SH	5	WL1	50	2	7		
Growth	BETPAP09_SH	6	WS2	58	2	8		
Coldr	BETPAP09_SH	7	WS1	34	2	5		
	3	BETPAP09_SH	8	WL0	13	5	2	
Coldr	BETPAP09_SH	9	CS1	47	7	6		
	2	BETPAP09_SH	10	CS0	44	4	6	
	1	BETPAP09_SH	11	CL0	61	5	8	
Growth	BETPAP09_SH	12	CS2	34	2	5		
	4	BETPAP10_SH	1	WS0	6	6	1	
	1	BETPAP10_SH	2	CL0	38	6	5	
	2	BETPAP10_SH	3	CS0	81	1	11	
Coldr	BETPAP10_SH	4	WL1	48	8	6		
	3	BETPAP10_SH	5	WL0	65	1	9	
Coldr	BETPAP10_SH	6	WS1	3	3	1		
Growth	BETPAP10_SH	7	WS2	42	2	6		
Growth	BETPAP10_SH	8	WL2	40	8	5		
Coldr	BETPAP10_SH	9	CL1	22	6	3		
Growth	BETPAP10_SH	10	CS2	1	1	1		
Coldr	BETPAP10_SH	11	CS1	58	2	8		
Growth	BETPAP10_SH	12	CL2	41	1	6		
	4	CORCOR05_SH	1	WS0	75	3	10	
	1	CORCOR05_SH	2	CL0	30	6	4	
	3	CORCOR05_SH	3	WL0	101	5	13	
	2	CORCOR05_SH	4	CS0	18	2	3	
	1	CORCOR07_SH	1	CL0	22	6	3	
	3	CORCOR07_SH	2	WL0	50	2	7	
	2	CORCOR07_SH	3	CS0	37	5	5	
	4	CORCOR07_SH	4	WS0	124	4	16	
	3	CORCOR08_SH	1	WL0	17	1	3	
	1	CORCOR08_SH	2	CL0	124	4	16	

chamt	ind	twig	treat	positi	row	col	caliper	length
	4 CORCOR08_SH	3	WS0	26	2	4		
	2 CORCOR08_SH	4	CS0	69	5	9		
	1 CORCOR09_SH	1	CL0	9	1	2		
	2 CORCOR09_SH	2	CS0	89	1	12		
	4 CORCOR09_SH	3	WS0	106	2	14		
	3 CORCOR09_SH	4	WL0	18	2	3		
	4 CORCOR10_SH	1	WS0	131	3	17		
	3 CORCOR10_SH	2	WL0	99	3	13		
	1 CORCOR10_SH	3	CL0	132	4	17		
	2 CORCOR10_SH	4	CS0	109	5	14		
	4 CORCOR11_SH	1	WS0	40	8	5		
	3 CORCOR11_SH	2	WL0	73	1	10		
	2 CORCOR11_SH	3	CS0	47	7	6		
	1 CORCOR11_SH	4	CL0	39	7	5		
Growt	FAGGRA02_SH	1	CL2	30	6	4		
	3 FAGGRA02_SH	2	WL0	71	7	9		
Growt	FAGGRA02_SH	3	WL2	23	7	3		
Coldr	FAGGRA02_SH	4	WS1	27	3	4		
Growt	FAGGRA02_SH	5	WS2	63	7	8		
	2 FAGGRA02_SH	6	CS0	54	6	7		
Coldr	FAGGRA02_SH	7	CL1	40	8	5		
Coldr	FAGGRA02_SH	8	CS1	39	7	5		
Coldr	FAGGRA02_SH	9	WL1	58	2	8		
	1 FAGGRA02_SH	10	CL0	2	2	1		
Growt	FAGGRA02_SH	11	CS2	34	2	5		
	4 FAGGRA02_SH	12	WS0	67	3	9		
Coldr	FAGGRA04_SH	1	CS1	49	1	7		
	3 FAGGRA04_SH	2	WL0	20	4	3		
Coldr	FAGGRA04_SH	3	WL1	6	6	1		
Growt	FAGGRA04_SH	4	WL2	50	2	7		
	1 FAGGRA04_SH	5	CL0	54	6	7		
Growt	FAGGRA04_SH	6	CL2	8	8	1		
Growt	FAGGRA04_SH	7	CS2	51	3	7		
	2 FAGGRA04_SH	8	CS0	43	3	6		
	4 FAGGRA04_SH	9	WS0	45	5	6		
Coldr	FAGGRA04_SH	10	WS1	35	3	5		
Growt	FAGGRA04_SH	11	WS2	1	1	1		
Coldr	FAGGRA04_SH	12	CL1	17	1	3		
	4 FAGGRA05_SH	1	WS0	11	3	2		
	2 FAGGRA05_SH	2	CS0	61	5	8		
	1 FAGGRA05_SH	3	CL0	43	3	6		
Growt	FAGGRA05_SH	4	CS2	10	2	2		
Growt	FAGGRA05_SH	5	WS2	56	8	7		
	3 FAGGRA05_SH	6	WL0	11	3	2		
Coldr	FAGGRA05_SH	7	CS1	56	8	7		
Growt	FAGGRA05_SH	8	WL2	39	7	5		
Growt	FAGGRA05_SH	9	CL2	63	7	8		
Coldr	FAGGRA05_SH	10	WS1	33	1	5		
Coldr	FAGGRA05_SH	11	CL1	62	6	8		
Coldr	FAGGRA05_SH	12	WL1	27	3	4		
	2 FAGGRA06_SH	1	CS0	129	1	17		
Growt	FAGGRA06_SH	2	WL2	21	5	3		
Growt	FAGGRA06_SH	3	CS2	26	2	4		
Coldr	FAGGRA06_SH	4	WL1	31	7	4		

chamt	ind	twig	treat	positi	row	col	caliper	length
Growt	FAGGRA06_SH	5	WS2	18	2	3		
Coldr	FAGGRA06_SH	6	CL1	26	2	4		
Growt	FAGGRA06_SH	7	CL2	23	7	3		
Coldr	FAGGRA06_SH	8	CS1	5	5	1		
1	FAGGRA06_SH	9	CL0	17	1	3		
Coldr	FAGGRA06_SH	10	WS1	52	4	7		
3	FAGGRA06_SH	11	WL0	98	2	13		
4	FAGGRA06_SH	12	WS0	79	7	10		
Growt	FAGGRA07_SH	1	CS2	6	6	1		
Growt	FAGGRA07_SH	2	WL2	14	6	2		
Growt	FAGGRA07_SH	3	WS2	54	6	7		
Coldr	FAGGRA07_SH	4	WS1	14	6	2		
Coldr	FAGGRA07_SH	5	WL1	65	1	9		
Coldr	FAGGRA07_SH	6	CS1	45	5	6		
2	FAGGRA07_SH	7	CS0	67	3	9		
3	FAGGRA07_SH	8	WL0	100	4	13		
Growt	FAGGRA07_SH	9	CL2	58	2	8		
Coldr	FAGGRA07_SH	10	CL1	6	6	1		
1	FAGGRA07_SH	11	CL0	90	2	12		
4	FAGGRA07_SH	12	WS0	62	6	8		
Growt	FAGGRA08_SH	1	CL2	11	3	2		
2	FAGGRA08_SH	2	CS0	121	1	16		
Growt	FAGGRA08_SH	3	WL2	30	6	4		
Coldr	FAGGRA08_SH	4	CS1	22	6	3		
Coldr	FAGGRA08_SH	5	WS1	57	1	8		
3	FAGGRA08_SH	6	WL0	104	8	13		
4	FAGGRA08_SH	7	WS0	83	3	11		
Growt	FAGGRA08_SH	8	CS2	54	6	7		
Coldr	FAGGRA08_SH	9	CL1	16	8	2		
Coldr	FAGGRA08_SH	10	WL1	43	3	6		
Growt	FAGGRA08_SH	11	WS2	61	5	8		
1	FAGGRA08_SH	12	CL0	22	6	3		
1	FRANIG01_SH	1	CL0	107	3	14		
4	FRANIG01_SH	2	WS0	31	7	4		
3	FRANIG01_SH	3	WL0	77	5	10		
2	FRANIG01_SH	4	CS0	31	7	4		
2	FRANIG02_SH	1	CS0	125	5	16		
3	FRANIG02_SH	2	WL0	133	5	17		
4	FRANIG02_SH	3	WS0	66	2	9		
1	FRANIG02_SH	4	CL0	27	3	4		
1	FRANIG05_SH	1	CL0	132	4	17		
4	FRANIG05_SH	2	WS0	35	3	5		
2	FRANIG05_SH	3	CS0	53	5	7		
3	FRANIG05_SH	4	WL0	33	1	5		
2	FRANIG06_SH	1	CS0	35	3	5		
4	FRANIG06_SH	2	WS0	122	2	16		
1	FRANIG06_SH	3	CL0	44	4	6		
3	FRANIG06_SH	4	WL0	86	6	11		
4	FRANIG08_SH	1	WS0	7	7	1		
3	FRANIG08_SH	2	WL0	101	5	13		
2	FRANIG08_SH	3	CS0	33	1	5		
1	FRANIG08_SH	4	CL0	4	4	1		
2	FRANIG09_SH	1	CS0	34	2	5		
4	FRANIG09_SH	2	WS0	14	6	2		

chamt	ind	twig	treat	positi	row	col	caliper	length
	3	FRANIG09_SH	3	WL0	2	2	1	
	1	FRANIG09_SH	4	CL0	7	7	1	
Growt		ILEMUC01_SH	1	WS2	22	6	3	
	1	ILEMUC01_SH	2	CL0	40	8	5	
Coldr		ILEMUC01_SH	3	CS1	42	2	6	
Growt		ILEMUC01_SH	4	CS2	57	1	8	
Growt		ILEMUC01_SH	5	CL2	17	1	3	
	3	ILEMUC01_SH	6	WL0	92	4	12	
Coldr		ILEMUC01_SH	7	WL1	49	1	7	
Coldr		ILEMUC01_SH	8	WS1	32	8	4	
Coldr		ILEMUC01_SH	9	CL1	14	6	2	
	4	ILEMUC01_SH	10	WS0	52	4	7	
Growt		ILEMUC01_SH	11	WL2	43	3	6	
	2	ILEMUC01_SH	12	CS0	10	2	2	
	3	ILEMUC03_SH	1	WL0	116	4	15	
Coldr		ILEMUC03_SH	2	WS1	62	6	8	
Growt		ILEMUC03_SH	3	WS2	52	4	7	
Growt		ILEMUC03_SH	4	WL2	34	2	5	
	2	ILEMUC03_SH	5	CS0	101	5	13	
	4	ILEMUC03_SH	6	WS0	130	2	17	
Growt		ILEMUC03_SH	7	CS2	19	3	3	
Growt		ILEMUC03_SH	8	CL2	24	8	3	
Coldr		ILEMUC03_SH	9	CL1	26	2	4	
	1	ILEMUC03_SH	10	CL0	79	7	10	
Coldr		ILEMUC03_SH	11	WL1	43	3	6	
Coldr		ILEMUC03_SH	12	CS1	18	2	3	
	2	ILEMUC04_SH	1	CS0	100	4	13	
Coldr		ILEMUC04_SH	2	CL1	35	3	5	
Coldr		ILEMUC04_SH	3	CS1	27	3	4	
Growt		ILEMUC04_SH	4	WS2	50	2	7	
	4	ILEMUC04_SH	5	WS0	116	4	15	
	1	ILEMUC04_SH	6	CL0	62	6	8	
Growt		ILEMUC04_SH	7	CL2	32	8	4	
	3	ILEMUC04_SH	8	WL0	78	6	10	
Coldr		ILEMUC04_SH	9	WL1	12	4	2	
Coldr		ILEMUC04_SH	10	WS1	53	5	7	
Growt		ILEMUC04_SH	11	CS2	7	7	1	
Growt		ILEMUC04_SH	12	WL2	53	5	7	
Growt		ILEMUC05_SH	1	WL2	20	4	3	
Coldr		ILEMUC05_SH	2	CL1	60	4	8	
Growt		ILEMUC05_SH	3	CS2	24	8	3	
	2	ILEMUC05_SH	4	CS0	87	7	11	
Growt		ILEMUC05_SH	5	CL2	36	4	5	
	1	ILEMUC05_SH	6	CL0	101	5	13	
Coldr		ILEMUC05_SH	7	CS1	41	1	6	
	3	ILEMUC05_SH	8	WL0	137	1	18	
Growt		ILEMUC05_SH	9	WS2	12	4	2	
	4	ILEMUC05_SH	10	WS0	115	3	15	
Coldr		ILEMUC05_SH	11	WL1	64	8	8	
Coldr		ILEMUC05_SH	12	WS1	26	2	4	
Growt		ILEMUC06_SH	1	WS2	31	7	4	
Growt		ILEMUC06_SH	2	CS2	41	1	6	
	2	ILEMUC06_SH	3	CS0	30	6	4	
Coldr		ILEMUC06_SH	4	CS1	9	1	2	



chamt	ind	twig	treat	positi	row	col	caliper	length
	3 ILEMUC06_SH	5	WL0	40	8	5		
	4 ILEMUC06_SH	6	WS0	51	3	7		
Growt	ILEMUC06_SH	7	WL2	38	6	5		
	1 ILEMUC06_SH	8	CL0	35	3	5		
Coldr	ILEMUC06_SH	9	WL1	23	7	3		
Coldr	ILEMUC06_SH	10	WS1	28	4	4		
Growt	ILEMUC06_SH	11	CL2	8	8	1		
Coldr	ILEMUC06_SH	12	CL1	19	3	3		
Growt	ILEMUC07_SH	1	CL2	50	2	7		
Growt	ILEMUC07_SH	2	WS2	64	8	8		
	3 ILEMUC07_SH	3	WL0	1	1	1		
Coldr	ILEMUC07_SH	4	CL1	27	3	4		
Growt	ILEMUC07_SH	5	WL2	2	2	1		
	2 ILEMUC07_SH	6	CS0	7	7	1		
Growt	ILEMUC07_SH	7	CS2	46	6	6		
Coldr	ILEMUC07_SH	8	WL1	37	5	5		
	4 ILEMUC07_SH	9	WS0	93	5	12		
	1 ILEMUC07_SH	10	CL0	16	8	2		
Coldr	ILEMUC07_SH	11	WS1	42	2	6		
Coldr	ILEMUC07_SH	12	CS1	55	7	7		
	3 KALANG03_SH	1	WL0	117	5	15		
	1 KALANG03_SH	2	CL0	6	6	1		
	4 KALANG03_SH	3	WS0	4	4	1		
	2 KALANG03_SH	4	CS0	128	8	16		
	2 KALANG04_SH	1	CS0	118	6	15		
	4 KALANG04_SH	2	WS0	54	6	7		
	3 KALANG04_SH	3	WL0	3	3	1		
	1 KALANG04_SH	4	CL0	67	3	9		
	3 KALANG05_SH	1	WL0	76	4	10		
	1 KALANG05_SH	2	CL0	127	7	16		
	2 KALANG05_SH	3	CS0	107	3	14		
	4 KALANG05_SH	4	WS0	2	2	1		
	4 KALANG07_SH	1	WS0	119	7	15		
	2 KALANG07_SH	2	CS0	21	5	3		
	1 KALANG07_SH	3	CL0	21	5	3		
	3 KALANG07_SH	4	WL0	23	7	3		
	3 KALANG08_SH	1	WL0	136	8	17		
	4 KALANG08_SH	2	WS0	85	5	11		
	1 KALANG08_SH	3	CL0	118	6	15		
	2 KALANG08_SH	4	CS0	92	4	12		
	2 KALANG99_SH	1	CS0	13	5	2		
	1 KALANG99_SH	2	CL0	103	7	13		
	4 KALANG99_SH	3	WS0	59	3	8		
	3 KALANG99_SH	4	WL0	4	4	1		
	1 LONCAN01_SH	1	CL0	130	2	17		
	3 LONCAN01_SH	2	WL0	121	1	16		
	4 LONCAN01_SH	3	WS0	66	2	9		
	2 LONCAN01_SH	4	CS0	117	5	15		
	3 LONCAN05_SH	1	WL0	79	7	10		
	1 LONCAN05_SH	2	CL0	127	7	16		
	2 LONCAN05_SH	3	CS0	73	1	10		
	4 LONCAN05_SH	4	WS0	64	8	8		
	2 LONCAN99_SH	1	CS0	120	8	15		
	1 LONCAN99_SH	2	CL0	52	4	7		

chamt	ind	twig	treat	positi	row	col	caliper	length
	4 LONCAN99_SH	3	WS0	74	2	10		
	3 LONCAN99_SH	4	WL0	28	4	4		
Coldr	POPGRA01_SH	1	WS1	10	2	2		
Growt	POPGRA01_SH	2	WL2	21	5	3		
	2 POPGRA01_SH	3	CS0	11	3	2		
Coldr	POPGRA01_SH	4	CL1	12	4	2		
Growt	POPGRA01_SH	5	CL2	37	5	5		
Coldr	POPGRA01_SH	6	CS1	60	4	8		
	1 POPGRA01_SH	7	CL0	5	5	1		
	3 POPGRA01_SH	8	WL0	96	8	12		
Growt	POPGRA01_SH	9	WS2	37	5	5		
	4 POPGRA01_SH	10	WS0	4	4	1		
Growt	POPGRA01_SH	11	CS2	39	7	5		
Coldr	POPGRA01_SH	12	WL1	39	7	5		
	4 POPGRA02_SH	1	WS0	55	7	7		
	3 POPGRA02_SH	2	WL0	14	6	2		
Growt	POPGRA02_SH	3	CS2	23	7	3		
Growt	POPGRA02_SH	4	CL2	2	2	1		
Growt	POPGRA02_SH	5	WL2	14	6	2		
Coldr	POPGRA02_SH	6	WL1	16	8	2		
Coldr	POPGRA02_SH	7	WS1	35	3	5		
	2 POPGRA02_SH	8	CS0	74	2	10		
Growt	POPGRA02_SH	9	WS2	47	7	6		
	1 POPGRA02_SH	10	CL0	18	2	3		
Coldr	POPGRA02_SH	11	CS1	50	2	7		
Coldr	POPGRA02_SH	12	CL1	33	1	5		
Growt	POPGRA04_SH	1	CL2	1	1	1		
	3 POPGRA04_SH	2	WL0	103	7	13		
Coldr	POPGRA04_SH	3	CL1	25	1	4		
Coldr	POPGRA04_SH	4	CS1	15	7	2		
Growt	POPGRA04_SH	5	WS2	24	8	3		
Coldr	POPGRA04_SH	6	WS1	23	7	3		
	2 POPGRA04_SH	7	CS0	5	5	1		
Growt	POPGRA04_SH	8	CS2	37	5	5		
Coldr	POPGRA04_SH	9	WL1	56	8	7		
	1 POPGRA04_SH	10	CL0	69	5	9		
	4 POPGRA04_SH	11	WS0	137	1	18		
Growt	POPGRA04_SH	12	WL2	24	8	3		
	4 POPGRA05_SH	1	WS0	97	1	13		
	3 POPGRA05_SH	2	WL0	109	5	14		
	1 POPGRA05_SH	3	CL0	48	8	6		
Growt	POPGRA05_SH	4	WL2	15	7	2		
Coldr	POPGRA05_SH	5	CL1	15	7	2		
Growt	POPGRA05_SH	6	WS2	39	7	5		
Coldr	POPGRA05_SH	7	WS1	50	2	7		
Growt	POPGRA05_SH	8	CS2	30	6	4		
Growt	POPGRA05_SH	9	CL2	41	1	6		
Coldr	POPGRA05_SH	10	CS1	62	6	8		
	2 POPGRA05_SH	11	CS0	82	2	11		
Coldr	POPGRA05_SH	12	WL1	13	5	2		
Coldr	POPGRA06_SH	1	WS1	62	6	8		
Growt	POPGRA06_SH	2	WS2	35	3	5		
Growt	POPGRA06_SH	3	CL2	45	5	6		
	4 POPGRA06_SH	4	WS0	135	7	17		

chamt	ind	twig	treat	positi	row	col	caliper	length
	2 POPGRA06_SH	5	CS0	111	7	14		
Growt	POPGRA06_SH	6	WL2	47	7	6		
Coldr	POPGRA06_SH	7	CS1	8	8	1		
Coldr	POPGRA06_SH	8	WL1	3	3	1		
	3 POPGRA06_SH	9	WL0	110	6	14		
	1 POPGRA06_SH	10	CL0	72	8	9		
Growt	POPGRA06_SH	11	CS2	2	2	1		
Coldr	POPGRA06_SH	12	CL1	61	5	8		
Coldr	POPGRA08_SH	1	WS1	25	1	4		
Coldr	POPGRA08_SH	2	CS1	38	6	5		
Growt	POPGRA08_SH	3	WS2	14	6	2		
Coldr	POPGRA08_SH	4	CL1	35	3	5		
Growt	POPGRA08_SH	5	CS2	50	2	7		
	1 POPGRA08_SH	6	CL0	14	6	2		
Growt	POPGRA08_SH	7	WL2	60	4	8		
Coldr	POPGRA08_SH	8	WL1	26	2	4		
	3 POPGRA08_SH	9	WL0	25	1	4		
	2 POPGRA08_SH	10	CS0	105	1	14		
Growt	POPGRA08_SH	11	CL2	53	5	7		
	4 POPGRA08_SH	12	WS0	114	2	15		
	2 PRUPEN02_SH	1	CS0	58	2	8		
	4 PRUPEN02_SH	2	WS0	25	1	4		
	3 PRUPEN02_SH	3	WL0	12	4	2		
	1 PRUPEN02_SH	4	CL0	33	1	5		
	4 PRUPEN03_SH	1	WS0	86	6	11		
	2 PRUPEN03_SH	2	CS0	95	7	12		
	3 PRUPEN03_SH	3	WL0	13	5	2		
	1 PRUPEN03_SH	4	CL0	136	8	17		
	4 PRUPEN04_SH	1	WS0	93	5	12		
	3 PRUPEN04_SH	2	WL0	34	2	5		
	2 PRUPEN04_SH	3	CS0	78	6	10		
	1 PRUPEN04_SH	4	CL0	129	1	17		
	4 PRUPEN06_SH	1	WS0	90	2	12		
	1 PRUPEN06_SH	2	CL0	18	2	3		
	2 PRUPEN06_SH	3	CS0	25	1	4		
	3 PRUPEN06_SH	4	WL0	44	4	6		
	1 PRUPEN08_SH	1	CL0	64	8	8		
	4 PRUPEN08_SH	2	WS0	60	4	8		
	2 PRUPEN08_SH	3	CS0	23	7	3		
	3 PRUPEN08_SH	4	WL0	102	6	13		
	3 PRUPEN09_SH	1	WL0	30	6	4		
	1 PRUPEN09_SH	2	CL0	88	8	11		
	2 PRUPEN09_SH	3	CS0	84	4	11		
	4 PRUPEN09_SH	4	WS0	30	6	4		
Coldr	QUERUB04_SH	1	WS1	3	3	1		
Growt	QUERUB04_SH	2	CS2	39	7	5		
	3 QUERUB04_SH	3	WL0	48	8	6		
Growt	QUERUB04_SH	4	WS2	28	4	4		
Growt	QUERUB04_SH	5	WL2	12	4	2		
Coldr	QUERUB04_SH	6	CL1	52	4	7		
Coldr	QUERUB04_SH	7	WL1	8	8	1		
Growt	QUERUB04_SH	8	CL2	32	8	4		
	1 QUERUB04_SH	9	CL0	32	8	4		
Coldr	QUERUB04_SH	10	CS1	51	3	7		

chamt	ind	twig	treat	positi	row	col	caliper	length
	4 QUERUB04_SH	11	WS0	103	7	13		
	2 QUERUB04_SH	12	CS0	85	5	11		
Coldr	QUERUB05_SH	1	CL1	54	6	7		
Growt	QUERUB05_SH	2	WS2	17	1	3		
	1 QUERUB05_SH	3	CL0	41	1	6		
Coldr	QUERUB05_SH	4	WS1	65	1	9		
Growt	QUERUB05_SH	5	CL2	38	6	5		
	3 QUERUB05_SH	6	WL0	38	6	5		
Coldr	QUERUB05_SH	7	WL1	32	8	4		
	2 QUERUB05_SH	8	CS0	129	1	17		
Growt	QUERUB05_SH	9	WL2	31	7	4		
Growt	QUERUB05_SH	10	CS2	11	3	2		
	4 QUERUB05_SH	11	WS0	42	2	6		
Coldr	QUERUB05_SH	12	CS1	5	5	1		
Coldr	QUERUB06_SH	1	CS1	2	2	1		
Growt	QUERUB06_SH	2	CL2	14	6	2		
Coldr	QUERUB06_SH	3	WS1	30	6	4		
Growt	QUERUB06_SH	4	WL2	29	5	4		
	4 QUERUB06_SH	5	WS0	97	1	13		
Growt	QUERUB06_SH	6	WS2	50	2	7		
Growt	QUERUB06_SH	7	CS2	56	8	7		
Coldr	QUERUB06_SH	8	CL1	47	7	6		
Coldr	QUERUB06_SH	9	WL1	50	2	7		
	2 QUERUB06_SH	10	CS0	88	8	11		
	1 QUERUB06_SH	11	CL0	7	7	1		
	3 QUERUB06_SH	12	WL0	64	8	8		
Growt	QUERUB07_SH	1	WS2	54	6	7		
Coldr	QUERUB07_SH	2	CS1	16	8	2		
Coldr	QUERUB07_SH	3	WL1	37	5	5		
Growt	QUERUB07_SH	4	CL2	46	6	6		
	2 QUERUB07_SH	5	CS0	136	8	17		
	4 QUERUB07_SH	6	WS0	109	5	14		
	3 QUERUB07_SH	7	WL0	55	7	7		
Growt	QUERUB07_SH	8	WL2	35	3	5		
Coldr	QUERUB07_SH	9	WS1	61	5	8		
Coldr	QUERUB07_SH	10	CL1	7	7	1		
	1 QUERUB07_SH	11	CL0	92	4	12		
Growt	QUERUB07_SH	12	CS2	22	6	3		
Coldr	QUERUB08_SH	1	CS1	32	8	4		
Coldr	QUERUB08_SH	2	WS1	54	6	7		
	3 QUERUB08_SH	3	WL0	8	8	1		
Growt	QUERUB08_SH	4	WS2	2	2	1		
	1 QUERUB08_SH	5	CL0	117	5	15		
Coldr	QUERUB08_SH	6	CL1	28	4	4		
Coldr	QUERUB08_SH	7	WL1	58	2	8		
Growt	QUERUB08_SH	8	CL2	9	1	2		
	4 QUERUB08_SH	9	WS0	15	7	2		
Growt	QUERUB08_SH	10	WL2	34	2	5		
Growt	QUERUB08_SH	11	CS2	52	4	7		
	2 QUERUB08_SH	12	CS0	9	1	2		
Growt	QUERUB10_SH	1	CS2	59	3	8		
	1 QUERUB10_SH	2	CL0	85	5	11		
Coldr	QUERUB10_SH	3	WL1	5	5	1		
Growt	QUERUB10_SH	4	WS2	59	3	8		

cham	ind	twig	treat	positi	row	col	caliper	length
Coldr	QUERUB10_SH	5	CS1	26	2	4		
3	QUERUB10_SH	6	WL0	131	3	17		
4	QUERUB10_SH	7	WS0	102	6	13		
2	QUERUB10_SH	8	CS0	51	3	7		
Coldr	QUERUB10_SH	9	CL1	58	2	8		
Coldr	QUERUB10_SH	10	WS1	17	1	3		
Growth	QUERUB10_SH	11	CL2	37	5	5		
Growth	QUERUB10_SH	12	WL2	61	5	8		
4	SPIALB03_SH	1	WS0	73	1	10		
3	SPIALB03_SH	2	WL0	67	3	9		
1	SPIALB03_SH	3	CL0	8	8	1		
2	SPIALB03_SH	4	CS0	20	4	3		
2	SPIALB06_SH	1	CS0	72	8	9		
1	SPIALB06_SH	2	CL0	25	1	4		
3	SPIALB06_SH	3	WL0	30	6	4		
4	SPIALB06_SH	4	WS0	112	8	14		
3	SPIALB07_SH	1	WL0	75	3	10		
1	SPIALB07_SH	2	CL0	72	8	9		
2	SPIALB07_SH	3	CS0	122	2	16		
4	SPIALB07_SH	4	WS0	68	4	9		
1	SPIALB99_SH	1	CL0	12	4	2		
4	SPIALB99_SH	1	WS0	82	2	11		
3	SPIALB99_SH	2	WL0	57	1	8		
3	SPIALB99_SH	2	WL0	104	8	13		
2	SPIALB99_SH	3	CS0	14	6	2		
2	SPIALB99_SH	3	CS0	53	5	7		
1	SPIALB99_SH	4	CL0	19	3	3		
4	SPIALB99_SH	4	WS0	117	5	15		
3	VACMYR02_SH	1	WL0	108	4	14		
1	VACMYR02_SH	2	CL0	38	6	5		
2	VACMYR02_SH	3	CS0	62	6	8		
4	VACMYR02_SH	4	WS0	102	6	13		
2	VACMYR03_SH	1	CS0	24	8	3		
3	VACMYR03_SH	2	WL0	112	8	14		
4	VACMYR03_SH	3	WS0	50	2	7		
1	VACMYR03_SH	4	CL0	115	3	15		
3	VACMYR04_SH	1	WL0	58	2	8		
4	VACMYR04_SH	2	WS0	91	3	12		
2	VACMYR04_SH	3	CS0	59	3	8		
1	VACMYR04_SH	4	CL0	28	4	4		
2	VACMYR05_SH	1	CS0	131	3	17		
3	VACMYR05_SH	2	WL0	53	5	7		
4	VACMYR05_SH	3	WS0	39	7	5		
1	VACMYR05_SH	4	CL0	44	4	6		
4	VACMYR07_SH	1	WS0	12	4	2		
1	VACMYR07_SH	2	CL0	11	3	2		
3	VACMYR07_SH	3	WL0	52	4	7		
2	VACMYR07_SH	4	CS0	130	2	17		
1	VACMYR08_SH	1	CL0	51	3	7		
4	VACMYR08_SH	2	WS0	117	5	15		
2	VACMYR08_SH	3	CS0	5	5	1		
3	VACMYR08_SH	4	WL0	88	8	11		
Coldr	VIBCAS01_SH	1	WS1	48	8	6		
Growth	VIBCAS01_SH	2	CL2	64	8	8		

chamt	ind	twig	treat	positi	row	col	caliper	length
	1 VIBCAS01_SH	3	CL0	6	6	1		
Growth	VIBCAS01_SH	4	CS2	24	8	3		
	4 VIBCAS01_SH	5	WS0	105	1	14		
Growth	VIBCAS01_SH	6	WS2	42	2	6		
Coldr	VIBCAS01_SH	7	CS1	25	1	4		
	2 VIBCAS01_SH	8	CS0	116	4	15		
Coldr	VIBCAS01_SH	9	CL1	1	1	1		
Growth	VIBCAS01_SH	10	WL2	19	3	3		
	3 VIBCAS01_SH	11	WL0	61	5	8		
Coldr	VIBCAS01_SH	12	WL1	54	6	7		
Growth	VIBCAS04_SH	1	CL2	13	5	2		
Coldr	VIBCAS04_SH	2	WL1	25	1	4		
Growth	VIBCAS04_SH	3	WS2	26	2	4		
	1 VIBCAS04_SH	4	CL0	10	2	2		
Growth	VIBCAS04_SH	5	CS2	10	2	2		
Coldr	VIBCAS04_SH	6	CS1	59	3	8		
Coldr	VIBCAS04_SH	7	CL1	31	7	4		
Coldr	VIBCAS04_SH	8	WS1	39	7	5		
	3 VIBCAS04_SH	9	WL0	10	2	2		
	2 VIBCAS04_SH	10	CS0	100	4	13		
Growth	VIBCAS04_SH	11	WL2	60	4	8		
	4 VIBCAS04_SH	12	WS0	90	2	12		
Growth	VIBCAS05_SH	1	CL2	42	2	6		
Growth	VIBCAS05_SH	2	WS2	8	8	1		
Growth	VIBCAS05_SH	3	CS2	48	8	6		
Coldr	VIBCAS05_SH	4	CL1	11	3	2		
	1 VIBCAS05_SH	5	CL0	8	8	1		
	4 VIBCAS05_SH	6	WS0	96	8	12		
Coldr	VIBCAS05_SH	7	WS1	64	8	8		
Coldr	VIBCAS05_SH	8	CS1	19	3	3		
	3 VIBCAS05_SH	9	WL0	128	8	16		
	2 VIBCAS05_SH	10	CS0	108	4	14		
Growth	VIBCAS05_SH	11	WL2	6	6	1		
Coldr	VIBCAS05_SH	12	WL1	36	4	5		
	1 VIBCAS06_SH	1	CL0	134	6	17		
Growth	VIBCAS06_SH	2	CS2	20	4	3		
Coldr	VIBCAS06_SH	3	WS1	51	3	7		
	2 VIBCAS06_SH	4	CS0	93	5	12		
	3 VIBCAS06_SH	5	WL0	52	4	7		
Coldr	VIBCAS06_SH	6	CS1	3	3	1		
Growth	VIBCAS06_SH	7	WS2	48	8	6		
Growth	VIBCAS06_SH	8	CL2	7	7	1		
Growth	VIBCAS06_SH	9	WL2	56	8	7		
Coldr	VIBCAS06_SH	10	CL1	42	2	6		
Coldr	VIBCAS06_SH	11	WL1	53	5	7		
	4 VIBCAS06_SH	12	WS0	25	1	4		
Growth	VIBCAS07_SH	1	WL2	12	4	2		
Coldr	VIBCAS07_SH	2	WL1	60	4	8		
	2 VIBCAS07_SH	3	CS0	17	1	3		
Coldr	VIBCAS07_SH	4	CS1	18	2	3		
	4 VIBCAS07_SH	5	WS0	58	2	8		
Coldr	VIBCAS07_SH	6	CL1	37	5	5		
	1 VIBCAS07_SH	7	CL0	93	5	12		
Growth	VIBCAS07_SH	8	CL2	59	3	8		

cham	ind	twig	treat	positi	row	col	caliper	length
Coldr	VIBCAS07_SH	9	WS1	44	4	6		
Growt	VIBCAS07_SH	10	CS2	38	6	5		
3	VIBCAS07_SH	11	WL0	62	6	8		
Growt	VIBCAS07_SH	12	WS2	10	2	2		
4	VIBCAS08_SH	1	WS0	72	8	9		
Coldr	VIBCAS08_SH	2	CS1	34	2	5		
Coldr	VIBCAS08_SH	3	CL1	50	2	7		
Coldr	VIBCAS08_SH	4	WL1	52	4	7		
Growt	VIBCAS08_SH	5	WL2	57	1	8		
Coldr	VIBCAS08_SH	6	WS1	12	4	2		
3	VIBCAS08_SH	7	WL0	123	3	16		
Growt	VIBCAS08_SH	8	WS2	34	2	5		
Growt	VIBCAS08_SH	9	CS2	25	1	4		
2	VIBCAS08_SH	10	CS0	16	8	2		
1	VIBCAS08_SH	11	CL0	122	2	16		
Growt	VIBCAS08_SH	12	CL2	2	2	1		
Coldr	VIBLAN02_SH	1	CL1	17	1	3		
Growt	VIBLAN02_SH	2	CL2	14	6	2		
1	VIBLAN02_SH	3	CL0	65	1	9		
Growt	VIBLAN02_SH	4	WS2	37	5	5		
Growt	VIBLAN02_SH	5	WL2	18	2	3		
Coldr	VIBLAN02_SH	6	WS1	36	4	5		
2	VIBLAN02_SH	7	CS0	64	8	8		
Coldr	VIBLAN02_SH	8	CS1	28	4	4		
3	VIBLAN02_SH	9	WL0	130	2	17		
4	VIBLAN02_SH	10	WS0	76	4	10		
Growt	VIBLAN02_SH	11	CS2	27	3	4		
Coldr	VIBLAN02_SH	12	WL1	9	1	2		
Coldr	VIBLAN04_SH	1	CL1	46	6	6		
Growt	VIBLAN04_SH	2	WL2	33	1	5		
Coldr	VIBLAN04_SH	3	CS1	20	4	3		
Growt	VIBLAN04_SH	4	CS2	40	8	5		
3	VIBLAN04_SH	5	WL0	19	3	3		
4	VIBLAN04_SH	6	WS0	84	4	11		
2	VIBLAN04_SH	7	CS0	52	4	7		
1	VIBLAN04_SH	8	CL0	66	2	9		
Growt	VIBLAN04_SH	9	WS2	28	4	4		
Coldr	VIBLAN04_SH	10	WS1	22	6	3		
Coldr	VIBLAN04_SH	11	WL1	17	1	3		
Growt	VIBLAN04_SH	12	CL2	34	2	5		
3	VIBLAN05_SH	1	WL0	26	2	4		
Coldr	VIBLAN05_SH	2	CS1	4	4	1		
Growt	VIBLAN05_SH	3	WL2	38	6	5		
Growt	VIBLAN05_SH	4	WS2	46	6	6		
Coldr	VIBLAN05_SH	5	WL1	31	7	4		
1	VIBLAN05_SH	6	CL0	129	1	17		
4	VIBLAN05_SH	7	WS0	132	4	17		
2	VIBLAN05_SH	8	CS0	81	1	11		
Coldr	VIBLAN05_SH	9	WS1	25	1	4		
Growt	VIBLAN05_SH	10	CL2	19	3	3		
Coldr	VIBLAN05_SH	11	CL1	12	4	2		
Growt	VIBLAN05_SH	12	CS2	45	5	6		
Growt	VIBLAN06_SH	1	CL2	33	1	5		
Growt	VIBLAN06_SH	2	CS2	8	8	1		

chamt	ind	twig	treat	positi	row	col	caliper	length
	4 VIBLAN06_SH	3	WS0	35	3	5		
	1 VIBLAN06_SH	4	CL0	102	6	13		
Coldr	VIBLAN06_SH	5	CL1	45	5	6		
	3 VIBLAN06_SH	6	WL0	68	4	9		
Coldr	VIBLAN06_SH	7	CS1	29	5	4		
Coldr	VIBLAN06_SH	8	WS1	55	7	7		
Growth	VIBLAN06_SH	9	WL2	50	2	7		
	2 VIBLAN06_SH	10	CS0	98	2	13		
Coldr	VIBLAN06_SH	11	WL1	18	2	3		
Growth	VIBLAN06_SH	12	WS2	21	5	3		
	1 VIBLAN07_SH	1	CL0	135	7	17		
Growth	VIBLAN07_SH	2	WS2	30	6	4		
Growth	VIBLAN07_SH	3	CS2	14	6	2		
Coldr	VIBLAN07_SH	4	WS1	8	8	1		
Coldr	VIBLAN07_SH	5	CS1	8	8	1		
	3 VIBLAN07_SH	6	WL0	94	6	12		
	4 VIBLAN07_SH	7	WS0	2	2	1		
Growth	VIBLAN07_SH	8	WL2	8	8	1		
Coldr	VIBLAN07_SH	9	WL1	62	6	8		
Growth	VIBLAN07_SH	10	CL2	40	8	5		
Coldr	VIBLAN07_SH	11	CL1	44	4	6		
	2 VIBLAN07_SH	12	CS0	2	2	1		
	3 VIBLAN09_SH	1	WL0	69	5	9		
Coldr	VIBLAN09_SH	2	CS1	24	8	3		
	2 VIBLAN09_SH	3	CS0	57	1	8		
Growth	VIBLAN09_SH	4	CL2	43	3	6		
Coldr	VIBLAN09_SH	5	WS1	2	2	1		
Growth	VIBLAN09_SH	6	WL2	3	3	1		
Coldr	VIBLAN09_SH	7	CL1	51	3	7		
Growth	VIBLAN09_SH	8	WS2	53	5	7		
Coldr	VIBLAN09_SH	9	WL1	39	7	5		
	4 VIBLAN09_SH	10	WS0	8	8	1		
	1 VIBLAN09_SH	11	CL0	68	4	9		
Growth	VIBLAN09_SH	12	CS2	13	5	2		