

BreedingValue Tables and Figures

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1 Import packages and path

2 Import data

2.1 Table 1: Plant scale data

Table 1: Table of plant scale data extraction

X	Genotype	modality	plateau	visible	foliar	total	individual	flower	stems	flower	stems	stems	vegetative	inflorescence	flower	stems	stems	stems
0	Belle2022A	Borne 44	04-25	7	51	0	0	0	82	73	4	38	0	0	8	3	7	10
1	Belle2022A	Borne 31	04-25	2	33	0	0	0	78	64	2	22	1	0	8	2	7	9
2	Belle2022A	Borne 43	04-25	13	56	0	0	0	70	62	0	41	0	0	10	4	8	12
3	Belle2022A	Borne 30	04-25	5	35	0	0	0	66	46	1	26	1	0	7	3	7	10
4	Belle2022A	Borne 37	04-25	3	40	0	0	0	103	90	2	25	1	0	11	3	10	13
5	Belru2022A	1	16	3	19	0	0	0	37	37	0	13	0	0	4	2	4	6
6	Belru2022A	2	20	1	21	0	0	0	36	36	0	14	0	0	4	2	4	6
7	Belru2022A	3	32	5	37	0	0	0	52	49	0	27	0	0	7	3	5	8
8	Belru2022A	4	15	0	15	0	0	0	41	39	0	9	0	0	5	1	4	5

X	Genotype	modality	to_vis	bl_foli	ant_tps	sil_hpl	dia_n	flow	etls	fls	fls	fls	stok	veg	ant_via	fls	fls	brn	det	ten	ind	fac	bars
9	Belrus	2022A	5	40	10	50	0	0	0	59	47	0	38	0	0	8	5	7	12	4	1033		
	04-25																						
10	CF10	2022A	1	17	0	17	0	0	0	20	20	0	13	0	0	5	1	3	4	2	1192		
	04-11																						
11	CF10	2022A	2	37	0	37	0	0	0	31	29	0	26	0	0	8	3	8	11	4	1246		
	04-11																						
12	CF10	2022A	3	19	2	21	0	0	0	14	12	0	15	1	0	4	1	4	5	3	1360		
	04-11																						
13	CF10	2022A	4	29	0	29	0	0	0	33	38	0	18	0	0	10	4	7	11	3	1429		
	04-11																						
14	CF10	2022A	5	24	0	24	0	0	0	28	23	0	15	0	0	9	3	6	9	3	1519		
	04-11																						
15	CF10	2022A	6	20	2	22	0	0	0	25	24	0	15	0	0	7	2	5	7	3	1594		
	04-11																						
16	CF10	2022A	1	32	4	36	0	0	0	35	33	0	24	0	0	8	4	7	11	3	1663		
	04-19																						
17	CF10	2022A	2	35	1	36	0	0	0	39	34	0	25	0	0	7	3	7	10	3	1777		
	04-19																						
18	CF10	2022A	3	46	6	52	0	0	0	45	39	0	37	0	0	9	5	9	14	3	1894		
	04-19																						
19	CF10	2022A	4	32	2	34	0	0	0	39	38	0	19	0	0	10	5	8	13	3	2059		
	04-19																						
20	CF10	2022A	5	45	6	51	0	0	0	82	79	0	32	0	0	12	9	10	19	3	2170		
	04-19																						
21	CF10	2022A	6	27	2	29	0	0	0	58	56	0	16	0	0	9	3	7	10	3	2326		
	04-19																						
22	CF12	2022A	1	53	7	60	0	0	0	97	80	0	41	0	0	14	5	13	18	4	2437		
	04-25																						
23	CF12	2022A	2	47	6	53	0	0	0	73	59	0	32	2	0	15	6	13	19	4	2635		
	04-25																						
24	CF12	2022A	3	33	9	42	0	0	0	47	43	1	27	0	0	10	4	9	13	5	2803		
	04-25																						
25	CF12	2022A	4	20	3	23	0	0	0	32	26	0	14	0	0	6	3	5	8	3	2941		
	04-25																						

X	Genotype	modality	to_vis	bl_foliage	to_vis	bl_foliage	to_vis	bl_foliage	to_vis	bl_foliage	to_vis	bl_foliage	to_vis	bl_foliage	to_vis	bl_foliage	to_vis	bl_foliage	to_vis	bl_foliage	
26	CF12022A-04-25	2022A	5	45	12	57	0	0	0	44	39	1	39	0	0	10	7	8	15	3	3016
27	CF12022A-04-25	2022A	6	57	3	60	0	0	0	73	64	0	42	0	0	10	7	9	16	3	3199
28	CF94022A-04-25	2022A	1	39	7	46	0	0	0	44	35	1	34	0	0	6	5	5	10	3	3388
29	CF94022A-04-25	2022A	2	47	5	52	0	0	0	28	19	0	39	0	0	11	6	10	16	4	3535
30	CF94022A-04-25	2022A	3	48	5	53	0	0	0	50	41	0	36	0	0	13	6	10	16	4	3695
31	CF94022A-04-25	2022A	4	47	6	53	0	0	0	37	32	2	39	0	0	8	4	7	11	3	3869
32	CF94022A-04-25	2022A	5	23	2	25	0	0	0	31	25	0	18	0	0	6	1	6	7	4	4040
33	Ciflon2022A-04-05	2022A	1	45	2	47	0	0	0	41	29	0	34	0	0	9	8	5	13	3	4118
34	Ciflon2022A-04-05	2022A	2	34	3	37	0	0	0	42	0	0	20	0	0	10	3	8	11	6	4262
35	Ciflon2022A-04-05	2022A	3	30	6	36	0	0	0	25	0	0	28	0	0	5	3	5	8	3	4395
36	Ciflon2022A-04-05	2022A	4	24	1	25	0	0	0	30	23	0	15	0	0	8	3	5	8	3	4506
37	Ciflon2022A-04-05	2022A	5	30	1	31	0	0	0	56	50	0	19	0	0	10	3	7	10	4	4593
38	Ciflon2022A-04-05	2022A	6	42	2	44	0	0	0	46	30	0	32	0	0	10	4	7	11	4	4695
39	Cigal2022A-04-19	2022A	1	51	16	67	0	0	0	41	40	0	56	0	0	6	5	6	11	2	4846
40	Cigal2022A-04-19	2022A	2	36	6	42	0	0	0	55	51	0	28	0	0	10	4	9	13	3	5050
41	Cigal2022A-04-19	2022A	2	21	0	21	0	0	0	29	29	0	12	0	0	7	2	4	6	3	5182
42	Cigal2022A-04-19	2022A	4	14	1	15	0	0	0	27	25	0	10	0	0	4	1	4	5	3	5272

X	Genotype	modality	to_visibl	collar	top	h	open	area	flow	th	flow	flow	flow	flow	flow	flow	flow	flow	flow	flow
43	Cireia2022A-04-25	1	23	4	27	0	0	0	29	29	1	21	0	0	4	1	4	5	3	5320
44	Cireia2022A-04-25	2	18	0	18	0	0	0	45	44	0	12	0	0	5	1	5	6	3	5404
45	Cireia2022A-04-25	3	31	2	33	0	0	0	46	44	0	22	0	0	8	3	8	11	4	5461
46	Cireia2022A-04-25	4	41	1	42	0	0	0	32	31	6	27	0	0	6	3	6	9	3	5563
47	Cireia2022A-04-25	5	29	8	37	0	0	0	26	26	5	28	0	0	3	1	3	4	2	5692
48	Cireia2022A-04-25	6	16	1	17	0	0	0	29	29	0	11	0	0	4	2	4	6	3	5806
49	CIR12072022A-04-05	1	34	5	39	0	0	0	58	40	0	26	0	0	10	3	9	12	4	5860
50	CIR12072022A-04-05	2	46	4	50	0	0	0	47	41	0	38	0	0	8	4	7	11	3	5986
51	CIR12072022A-04-05	3	20	3	23	0	0	0	0	0	0	19	0	0	5	2	5	7	3	6142
52	CIR12072022A-04-05	4	23	2	25	0	0	0	41	31	0	16	0	0	8	3	6	9	3	6214
53	CIR12072022A-04-05	5	37	1	38	0	0	0	34	53	0	23	0	0	12	4	11	15	4	6292
54	CIR12072022A-04-05	6	47	3	50	0	0	0	35	25	0	35	0	0	10	6	7	13	3	6409
55	Clery2022A-04-05	1	26	4	30	0	0	0	37	26	0	19	0	0	7	2	7	9	4	6571
56	Clery2022A-04-05	2	19	3	22	0	0	0	28	28	0	15	0	0	5	1	4	5	3	6676
57	Clery2022A-04-05	3	24	3	27	0	0	0	21	21	0	18	0	0	6	2	5	7	3	6751
58	Clery2022A-04-05	4	12	0	12	0	0	0	6	6	0	7	0	0	4	1	2	3	2	6850
59	Clery2022A-04-05	5	38	6	44	0	0	0	54	45	0	30	0	0	8	5	7	12	3	6888

X	Genotype	modality	to_vis	bl_foli	ant_tps	sh_hol	pen_dia	fl_well	th_sfl	fl_sfl	stok	lowg	veg	ant_via	fl_hl	fl_hl	brn	det	ten	ind	fac	bars
60	Clery	2022A	1	21	2	23	0	0	0	32	31	0	14	0	0	6	3	4	7	3	70	44
	04-05																					
61	Darsel	2022A	1	27	0	27	0	0	0	44	41	0	15	0	0	10	2	8	10	4	71	22
	04-05																					
62	Darsel	2022A	2	12	1	13	0	0	0	27	27	0	6	0	0	5	1	4	5	3	72	15
	04-05																					
63	Darsel	2022A	3	23	1	24	0	0	0	40	40	0	15	0	0	6	3	5	8	4	72	63
	04-05																					
64	Darsel	2022A	4	23	5	28	0	0	0	23	20	0	19	0	0	6	3	6	9	4	73	41
	04-05																					
65	Darsel	2022A	5	15	0	15	0	0	0	35	33	0	9	0	0	6	1	5	6	3	74	28
	04-05																					
66	Dread	2022A	1	28	1	29	0	0	0	32	23	0	17	0	0	10	3	8	11	5	74	76
	04-19																					
67	Dread	2022A	2	49	2	51	0	0	0	34	34	0	32	0	0	16	4	14	18	6	75	72
	04-19																					
68	Dread	2022A	3	20	3	23	0	0	0	39	26	0	14	0	0	7	2	7	9	4	77	52
	04-19																					
69	Dread	2022A	4	46	2	48	0	0	0	52	38	0	30	0	0	14	5	10	15	4	78	24
	04-19																					
70	Dread	2022A	5	15	0	15	0	0	0	21	18	0	11	0	0	5	1	3	4	3	79	89
	04-19																					
71	garig	2022A	1	20	0	20	0	0	0	44	36	0	15	0	0	4	1	3	4	2	80	37
	04-05																					
72	garig	2022A	2	36	0	36	0	0	0	56	45	0	28	0	0	6	2	5	7	3	81	21
	04-05																					
73	garig	2022A	3	23	0	23	0	0	0	23	17	0	17	0	0	6	3	3	6	3	82	47
	04-05																					
74	garig	2022A	4	36	5	41	0	0	0	64	0	0	28	0	0	9	5	6	11	3	83	19
	04-05																					
75	garig	2022A	5	14	1	15	0	0	0	37	0	0	10	0	0	3	1	2	3	2	84	63
	04-05																					
76	garig	2022A	6	28	0	28	0	0	0	37	26	0	21	0	0	7	4	2	6	2	85	26
	04-05																					

X	Genotype	modality	to_vis	bl_foli	ant_tpr	ilop_dia	flow_v	th_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl	fl_sfl
77	Leroy	2022A	1	21	10	31	0	0	0	27	22	6	22	0	0	4	1	4	5	3
	Laduo	04-19																		8622
78	Leroy	2022A	2	21	8	29	0	0	0	28	17	6	19	0	0	5	1	5	6	5
	Laduo	04-19																		8718
79	Leroy	2022A	3	31	12	43	0	0	0	32	26	12	26	0	0	3	2	3	5	2
	Laduo	04-19																		8808
80	Leroy	2022A	4	57	23	80	0	0	0	67	47	15	60	0	0	5	5	5	10	2
	Laduo	04-19																		8940
81	Leroy	2022A	4	40	6	46	0	0	0	36	24	10	32	0	0	4	3	4	7	2
	Laduo	04-19																		9183
82	Leroy	2022A	6	36	12	48	0	0	0	58	33	15	26	0	0	4	2	4	6	2
	Laduo	04-19																		9324
83	Magni	2022A	1	23	0	23	0	0	0	28	20	0	14	0	0	7	3	4	7	2
	Magni	04-11																		9477
84	Magni	2022A	2	39	8	47	0	0	0	20	19	0	36	0	0	5	6	4	10	2
	Magni	04-11																		9555
85	Magni	2022A	3	20	1	21	0	0	0	29	26	0	13	0	0	7	2	4	6	2
	Magni	04-11																		9705
86	Magni	2022A	4	33	8	41	0	0	0	44	32	0	30	0	0	7	4	6	10	3
	Magni	04-11																		9777
87	Magni	2022A	5	24	2	26	0	0	0	19	19	0	19	0	0	6	4	3	7	2
	Magni	04-11																		9909
88	Magni	2022A	6	30	6	36	0	0	0	38	32	0	27	0	0	6	3	6	9	3
	Magni	04-11																		9990
89	Mano	2022A	1	29	1	30	0	0	0	35	32	0	18	0	0	10	4	7	11	5
	Mano	04-05																		10101
90	Mano	2022A	2	23	4	27	0	0	0	33	28	0	20	0	0	4	2	4	6	3
	Mano	04-05																		10203
91	Mano	2022A	3	28	6	34	0	0	0	42	17	0	25	0	0	6	3	5	8	2
	Mano	04-05																		10293
92	Mano	2022A	4	26	2	28	0	0	0	36	25	0	20	0	0	6	3	5	8	2
	Mano	04-05																		10404
93	Mano	2022A	5	19	3	22	0	0	0	23	10	0	18	0	0	3	1	3	4	2
	Mano	04-05																		10491

X	Genotype	depth	to_visibl	collar	top	open	area	flow	th	fl	fl	fl	stok	veg	area	fl	fl	th	area	th	fl	fl	stok
94	Mano2022A 04-05	6	14	0	14	0	0	0	14	11	0	10	0	0	4	1	2	3	2	10560			
95	Mout2022A 04-19	1	10	0	10	0	0	0	41	26	0	6	0	0	4	0	3	3	3	10608			
96	Mout2022A 04-19	2	17	2	19	0	0	0	32	28	0	13	0	0	5	1	5	6	3	10647			
97	Mout2022A 04-19	3	11	2	13	0	0	0	27	20	0	11	0	0	2	0	2	2	2	10707			
98	Mout2022A 04-19	4	20	7	27	0	0	0	41	34	0	21	0	0	7	1	7	8	5	10749			
99	Osiri2022A 04-11	1	18	1	19	0	0	0	24	17	0	12	0	0	6	2	3	5	3	10833			
100	Osiri2022A 04-11	2	39	2	41	0	0	0	66	46	0	27	0	0	9	6	8	14	3	10899			
101	Osiri2022A 04-11	3	30	4	34	0	0	0	50	33	0	24	0	0	7	3	6	9	3	11025			
102	Osiri2022A 04-11	4	54	9	63	0	0	0	60	57	0	45	0	0	11	7	10	17	3	11136			
103	Osiri2022A 04-11	5	35	1	36	0	0	0	46	35	0	25	0	0	7	5	5	10	2	11334			
104	Osiri2022A 04-11	6	41	7	48	0	0	0	49	40	0	33	0	0	10	5	8	13	4	11448			
105	Rubi2022A 04-19	1	28	5	33	0	0	0	23	20	0	27	0	0	7	1	7	8	6	11607			
106	Rubi2022A 04-19	2	18	1	19	0	0	0	34	27	2	11	0	0	4	1	4	5	4	11709			
107	Rubi2022A 04-19	3	14	6	20	0	0	0	19	16	2	16	0	0	2	0	2	2	2	11772			
108	Rubi2022A 04-19	4	11	0	11	0	0	0	20	15	0	8	0	0	3	0	3	3	3	11835			
109	Sani2022A 04-19	1	33	1	34	0	0	0	43	40	0	18	0	0	12	3	10	13	5	11871			
110	Sani2022A 04-19	2	31	2	33	0	0	0	57	56	0	22	0	0	9	2	8	10	4	11985			

X	Genotype	modality	to_visibl	foliar	trunk	petiole	inflores	flower	stems	all	fruit	stems	vegetation	initial	floral	inflores	stems	completed	planned		
111	Sani@2022A-04-19	0	3	39	2	41	0	0	0	40	36	0	27	0	0	13	4	10	14	4	12093
112	Sani@2022A-04-19	0	4	19	4	23	0	0	0	32	31	0	15	0	0	8	1	7	8	6	12219
113	Sani@2022A-04-19	0	5	24	4	28	0	0	0	44	34	0	18	0	0	7	2	8	10	5	12291
114	Sani@2022A-04-19	0	6	7	0	7	0	0	0	23	20	0	5	0	0	3	0	2	2	2	12378
115	Sansri-vale@2022A-04-05	0	1	84	9	93	0	0	0	164	142	0	62	0	0	20	9	18	27	4	12402
116	Sansri-vale@2022A-04-05	0	2	25	0	25	0	0	0	53	46	0	14	0	0	7	4	5	9	3	12705
117	Sansri-vale@2022A-04-05	0	3	34	4	38	0	0	0	99	99	0	25	0	0	9	4	8	12	3	12789

2.2 Table 2: Module scale data

Table 2: Table of module scale data extraction

X	Genotype	modality	order	to_visibl	foliar	trunk	petiole	inflores	flower	stems	all	fruit	stems	vegetation	initial	floral	inflores	stems	completed	planned
0	Belle@2022A-04-25	Bonne	0	9	0	9	0	0	20	20	1	5	0	0	Main	Inflores	89	True	2	1
1	Belle@2022A-04-25	Bonne	1	3	0	3	0	0	8	8	0	2	0	0	Branch	Inflores	89	True	10	1
2	Belle@2022A-04-25	Bonne	2	4	0	4	0	0	10	10	0	4	0	0	Extension	Inflores	89	True	18	1
3	Belle@2022A-04-25	Bonne	3	6	5	11	0	0	0	0	3	8	0	0	Extension	vegetat	17	False	29	1
4	Belle@2022A-04-25	Bonne	1	3	0	3	0	0	14	14	0	2	0	0	Branch	Inflores	89	True	79	1
5	Belle@2022A-04-25	Bonne	2	3	0	3	0	0	8	5	0	2	0	0	Extension	Inflores	89	True	87	1
6	Belle@2022A-04-25	Bonne	3	1	2	3	0	0	0	0	0	3	0	0	Extension	aborted	1/95	False	0	1

X	Genotype	phenology	order	visible	flowering	fruiting	seedling	juvenile	adult	senescence	total	longevity	initial	final	inflorescence	complete	planned
7	Belle2022-04-25	Bonne	1	4	0	4	0	0	11	11	0	2	0	0	Extensiflor.	True	109 1
8	Belle2022-04-25	Bonne	2	4	0	4	0	0	0	0	0	4	0	0	Branchiflor./50%	False	144 1
9	Belle2022-04-25	Bonne	2	3	0	3	0	0	5	5	0	2	0	0	Extensiflor.	True	132 1
10	Belle2022-04-25	Bonne	3	4	0	4	0	0	6	0	0	4	0	0	Extensiflor.	True	140 1
11	Belle2022-04-25	Bonne	0	6	0	6	0	0	21	21	0	3	0	0	MainInfloresc.	True	170 169
12	Belle2022-04-25	Bonne	1	1	0	1	0	0	4	4	0	0	0	0	Branchiflor.	True	172 169
13	Belle2022-04-25	Bonne	2	6	0	6	0	0	10	1	2	3	1	0	Extensiflor.	True	174 169
14	Belle2022-04-25	Bonne	3	2	1	3	0	0	0	0	0	3	0	0	Extensiflor.	False	191 169
15	Belle2022-04-25	Bonne	1	1	0	1	0	0	8	8	0	0	0	0	Branchiflor.	True	205 169
16	Belle2022-04-25	Bonne	2	3	0	3	0	0	6	5	0	2	0	0	Extensiflor.	True	207 169
17	Belle2022-04-25	Bonne	3	3	0	3	0	0	0	0	0	2	0	0	Extensiflor.	True	215 169
18	Belle2022-04-25	Bonne	1	3	0	3	0	0	19	18	0	2	0	0	Extensiflor.	True	241 169
19	Belle2022-04-25	Bonne	2	3	0	3	0	0	10	7	0	3	0	0	Extensiflor.	True	249 169
20	Belle2022-04-25	Bonne	3	3	1	4	0	0	0	0	0	4	0	0	Extensiflor.	False	257 169
21	Belle2022-04-25	Bonne	0	7	0	7	0	0	19	19	0	4	0	0	MainInfloresc.	True	275 274
22	Belle2022-04-25	Bonne	1	3	0	3	0	0	5	5	0	1	0	0	Branchiflor.	True	283 274
23	Belle2022-04-25	Bonne	2	2	0	2	0	0	3	3	0	1	0	0	Branchiflor.	True	285 274

X	Genotype	phenology	order	aro_vis	blef	collat	quih	opelia	helia	flower	hallow	mit	stolon	veget	an	cia	fl	h	inf	st	comple	depl	nd
24	Belle2022-04-25	Borne	3	3	0	3	0	0	4	4	0	2	0	0	0	0	0	0	0	0	0	0	0
25	Belle2022-04-25	Borne	4	2	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
26	Belle2022-04-25	Borne	2	3	0	3	0	0	9	1	0	2	0	0	0	0	0	0	0	0	0	0	0
27	Belle2022-04-25	Borne	3	1	4	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
28	Belle2022-04-25	Borne	1	3	0	3	0	0	13	13	0	2	0	0	0	0	0	0	0	0	0	0	0
29	Belle2022-04-25	Borne	2	3	0	3	0	0	6	6	0	2	0	0	0	0	0	0	0	0	0	0	0
30	Belle2022-04-25	Borne	3	4	0	4	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
31	Belle2022-04-25	Borne	1	4	0	4	0	0	11	11	0	3	0	0	0	0	0	0	0	0	0	0	0
32	Belle2022-04-25	Borne	2	7	5	12	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
33	Belle2022-04-25	Borne	3	1	4	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
34	Belle2022-04-25	Borne	0	5	0	5	0	0	7	6	0	2	0	0	0	0	0	0	0	0	0	0	0
35	Belle2022-04-25	Borne	1	3	0	3	0	0	11	11	0	2	0	0	0	0	0	0	0	0	0	0	0
36	Belle2022-04-25	Borne	2	3	0	3	0	0	9	9	0	2	0	0	0	0	0	0	0	0	0	0	0
37	Belle2022-04-25	Borne	3	3	0	3	0	0	10	8	0	2	0	0	0	0	0	0	0	0	0	0	0
38	Belle2022-04-25	Borne	4	2	0	2	0	0	10	1	1	1	0	0	0	0	0	0	0	0	0	0	0
39	Belle2022-04-25	Borne	5	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
40	Belle2022-04-25	Borne	1	2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	phenology	order	aro_vis	ble_fol	lat_q	oil_h	ph_h	h_h	flower_h	all_f	oil_h	seed_low	vegetation	initial	flr_h	h_h	winstruc	complete	deplan	uled
41	Belle2022-04-25	Bonne	1	3	0	3	0	0	8	8	0	1	1	0	Extens	Inflor	89	True	550	490	
42	Belle2022-04-25	Bonne	2	3	2	5	0	0	0	0	0	5	0	0	Branch	initiat	Ad	False	552	490	
43	Belle2022-04-25	Bonne	2	3	0	3	0	0	11	3	0	3	0	0	Extens	Inflor	71	True	573	490	
44	Belle2022-04-25	Bonne	3	2	2	4	0	0	0	0	0	4	0	0	Extens	sigat	17	False	581	490	
45	Belle2022-04-25	Bonne	0	4	0	4	0	0	19	19	0	0	0	0	Main	Inflor	89	True	599	598	
46	Belle2022-04-25	Bonne	1	1	0	1	0	0	13	13	0	0	0	0	Branch	Inflor	89	True	601	598	
47	Belle2022-04-25	Bonne	2	2	0	2	0	0	8	8	0	1	0	0	Extens	Inflor	89	True	603	598	
48	Belle2022-04-25	Bonne	3	1	0	1	0	0	0	0	0	0	0	0	Extens	Inflor	55	True	608	598	
49	Belle2022-04-25	Bonne	1	1	0	1	0	0	11	9	0	0	0	0	Branch	Inflor	89	True	622	598	
50	Belle2022-04-25	Bonne	2	4	0	4	0	0	10	10	0	3	0	0	Extens	Inflor	89	True	624	598	
51	Belle2022-04-25	Bonne	3	4	0	4	0	0	7	0	1	2	1	0	Extens	Inflor	60	True	635	598	
52	Belle2022-04-25	Bonne	4	2	1	3	0	0	0	0	0	3	0	0	Extens	initiat	Ad	False	646	598	
53	Belle2022-04-25	Bonne	1	4	0	4	0	0	9	9	0	3	0	0	Branch	Inflor	89	True	661	598	
54	Belle2022-04-25	Bonne	2	3	0	3	0	0	4	0	0	2	0	0	Extens	Inflor	60	True	672	598	
55	Belle2022-04-25	Bonne	3	1	1	2	0	0	0	0	0	2	0	0	Extens	ried/F	bon	False	680	598	
56	Belle2022-04-25	Bonne	1	3	0	3	0	0	11	11	0	2	0	0	Extens	Inflor	89	True	691	598	
57	Belle2022-04-25	Bonne	2	3	0	3	0	0	11	11	0	3	0	0	Extens	Inflor	89	True	699	598	

X	Genotype	phenology	order	aro_vis	ble_fol	at_q	hoph	haha	flower	et	all	off	st	low	veg	ant	cia	fl	h	h	st	com	ple	pl	nd
58	Belle2022-04-25	Borne	3	4	1	5	0	0	0	0	1	4	0	0	Extended	vis	at	17	False	707	598				
59	Belru2022-04-25	A	1	0	4	0	4	0	0	19	19	0	1	0	0	Main	In	89	True	728	727				
60	Belru2022-04-25	A	1	1	1	0	1	0	0	4	4	0	0	0	0	Branch	In	89	True	730	727				
61	Belru2022-04-25	A	1	2	3	1	4	0	0	0	0	4	0	0	0	Extended	ried	/	False	732	727				
62	Belru2022-04-25	A	1	1	2	0	2	0	0	5	5	0	1	0	0	Branch	In	89	True	751	727				
63	Belru2022-04-25	A	1	2	2	1	3	0	0	0	0	3	0	0	0	Extended	ried	/	False	756	727				
64	Belru2022-04-25	A	1	1	2	0	2	0	0	9	9	0	1	0	0	Extended	In	89	True	769	727				
65	Belru2022-04-25	A	1	2	2	1	3	0	0	0	0	3	0	0	0	Extended	ried	/	False	774	727				
66	Belru2022-04-25	A	2	0	6	0	6	0	0	14	14	0	3	0	0	Main	In	89	True	788	787				
67	Belru2022-04-25	A	2	1	3	0	3	0	0	0	0	3	0	0	0	Branch	ried	/	False	790	787				
68	Belru2022-04-25	A	2	1	2	0	2	0	0	11	11	0	1	0	0	Branch	In	89	True	808	787				
69	Belru2022-04-25	A	2	2	3	0	3	0	0	0	0	2	0	0	0	Extended	ried	/	False	813	787				
70	Belru2022-04-25	A	2	1	2	0	2	0	0	7	7	0	1	0	0	Extended	In	89	True	832	787				
71	Belru2022-04-25	A	2	2	3	0	3	0	0	4	4	0	2	0	0	Extended	In	89	True	837	787				
72	Belru2022-04-25	A	2	3	1	1	2	0	0	0	0	2	0	0	0	Extended	ried	/	False	841	787				
73	Belru2022-04-25	A	3	0	10	0	10	0	0	14	14	0	7	0	0	Main	In	89	True	857	856				
74	Belru2022-04-25	A	3	1	3	0	3	0	0	7	7	0	1	0	0	Branch	In	89	True	862	856				

X	Genotype	mode	plant	order	aro_vis	blef	hlat	quih	phala	flower	halk	off	st	lowg	et	an	cia	fl	h	h	wh	st	com	ple	de	pl	u
109	CF1022A-04-11		2	3	1	0	1	0	0	6	5	0	0	0	0	0	0	Extended	Inflor	89	True	1262	1246				
110	CF1022A-04-11		2	4	3	0	3	0	0	0	0	0	3	0	0	0	0	Extended	ried/Ab	bor	False	1264	1246				
111	CF1022A-04-11		2	1	3	0	3	0	0	5	5	0	2	0	0	0	0	Branch	Inflor	89	True	1279	1246				
112	CF1022A-04-11		2	2	4	0	4	0	0	0	0	0	4	0	0	0	0	Extended	ried/Ab	bor	False	1287	1246				
113	CF1022A-04-11		2	1	2	0	2	0	0	5	4	0	1	0	0	0	0	Branch	Inflor	89	True	1303	1246				
114	CF1022A-04-11		2	2	6	0	6	0	0	0	0	0	6	0	0	0	0	Extended	ried/Ab	bor	False	1308	1246				
115	CF1022A-04-11		2	1	3	0	3	0	0	9	9	0	2	0	0	0	0	Extended	Inflor	89	True	1330	1246				
116	CF1022A-04-11		2	2	5	0	5	0	0	0	0	0	4	0	0	0	0	Extended	Inflor	55	True	1338	1246				
117	CF1022A-04-11		2	3	1	0	1	0	0	0	0	0	1	0	0	0	0	Extended	ried/Ab	bor	False	1351	1246				
118	CF1022A-04-11		3	0	2	0	2	0	0	0	0	0	0	0	0	0	0	Main	Inflor	escape	True	1361	1360				
119	CF1022A-04-11		3	1	6	0	6	0	0	0	0	0	4	1	0	0	0	Branch	Inflor	55	True	1363	1360				
120	CF1022A-04-11		3	2	4	1	5	0	0	0	0	0	5	0	0	0	0	Extended	initia	Ad	False	1383	1360				
121	CF1022A-04-11		3	1	3	0	3	0	0	8	8	0	2	0	0	0	0	Extended	Inflor	89	True	1402	1360				
122	CF1022A-04-11		3	2	3	0	3	0	0	6	4	0	2	0	0	0	0	Extended	Inflor	89	True	1410	1360				
123	CF1022A-04-11		3	3	1	1	2	0	0	0	0	0	2	0	0	0	0	Extended	ried/Ab	bor	False	1418	1360				
124	CF1022A-04-11		4	0	8	0	8	0	0	13	13	0	3	0	0	0	0	Main	Inflor	89	True	1430	1429				
125	CF1022A-04-11		4	1	2	0	2	0	0	4	4	0	1	0	0	0	0	Branch	Inflor	89	True	1432	1429				

X	Genotype	phenology	plant_order	visible_florets	flower_color	petal_color	sepal_color	leaf_color	fruit_color	seed_color	seed_shape	seed_size	seed_weight	seed_volume	seed_density	seed_color	seed_shape	seed_size	seed_weight	seed_volume	seed_density
126	CF10022A-04-11	4	2	1	0	1	0	0	0	0	0	1	0	0	Extended	Inflor.	89	True	1444	429	
127	CF10022A-04-11	4	1	3	0	3	0	0	6	6	0	2	0	0	Branch	Inflor.	89	True	1444	429	
128	CF10022A-04-11	4	2	2	0	2	0	0	0	0	0	1	0	0	Extended	Inflor.	55	True	1452	429	
129	CF10022A-04-11	4	3	1	0	1	0	0	0	0	0	1	0	0	Extended	Inflor./Ebor	89	True	1454	429	
130	CF10022A-04-11	4	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflor.	89	True	1463	429	
131	CF10022A-04-11	4	2	1	0	1	0	0	0	0	0	1	0	0	Extended	Inflor.	55	True	1470	429	
132	CF10022A-04-11	4	1	3	0	3	0	0	0	5	0	2	0	0	Branch	Inflor.	89	True	1477	429	
133	CF10022A-04-11	4	2	3	0	3	0	0	0	0	0	3	0	0	Extended	Inflor.	aborted	True	1485	429	
134	CF10022A-04-11	4	1	2	0	2	0	0	4	4	0	1	0	0	Extended	Inflor.	89	True	1507	429	
135	CF10022A-04-11	4	2	1	0	1	0	0	0	0	0	1	0	0	Extended	Inflor.	55	True	1512	429	
136	CF10022A-04-11	5	0	3	0	3	0	0	11	10	0	0	0	0	Main	Inflor.	89	True	1520	519	
137	CF10022A-04-11	5	1	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflor.	89	True	1522	519	
138	CF10022A-04-11	5	2	2	0	2	0	0	0	0	0	2	0	0	Extended	Inflor.	55	True	1527	519	
139	CF10022A-04-11	5	1	2	0	2	0	0	0	0	0	0	0	0	Branch	Inflor.	55	True	1537	519	
140	CF10022A-04-11	5	2	1	0	1	0	0	0	0	0	1	0	0	Branch	died/aborted	True	1539	519		
141	CF10022A-04-11	5	2	4	0	4	0	0	3	0	0	3	0	0	Extended	Inflor.	60	True	1545	519	
142	CF10022A-04-11	5	3	1	0	1	0	0	6	6	0	1	0	0	Extended	Inflor.	89	True	1556	519	

X	Genotype	phenology	plant_order	visible	flower_color	leaf_color	petal_color	sepal_color	fruit_color	seed_color	stem_color	branch_color	inflorescence_color	floral_color	ovary_color	stigma_color	anther_color	pollen_color	style_color	corolla_color	calyx_color	receptacle_color	pedicel_color	ovule_color
143	CF1022A-04-11	1022A	5	1	4	0	4	0	0	0	0	0	3	0	0	External	Inflor.	89	-	True	1564	1519		
144	CF1022A-04-11	1022A	5	2	4	0	4	0	0	4	3	0	3	0	0	External	Inflor.	89	-	True	1575	1519		
145	CF1022A-04-11	1022A	5	3	1	0	1	0	0	0	0	0	1	0	0	External	Inflor.	55	-	True	1586	1519		
146	CF1022A-04-11	1022A	6	0	5	0	5	0	0	0	0	0	2	0	0	Main	Inflor.	escap.	-	True	1595	1594		
147	CF1022A-04-11	1022A	6	1	1	0	1	0	0	4	3	0	0	0	0	Branch	Inflor.	89	-	True	1597	1594		
148	CF1022A-04-11	1022A	6	2	3	1	4	0	0	0	0	0	4	0	0	External	Inflor.	H	-	True	1599	1594		
149	CF1022A-04-11	1022A	6	1	2	0	2	0	0	5	5	0	1	0	0	Branch	Inflor.	89	-	True	1615	1594		
150	CF1022A-04-11	1022A	6	2	3	1	4	0	0	0	0	0	4	0	0	Extended	rior./Elbor.	Fed/c	cl	1620	1594			
151	CF1022A-04-11	1022A	6	1	2	0	2	0	0	11	11	0	1	0	0	External	Inflor.	89	-	True	1642	1594		
152	CF1022A-04-11	1022A	6	2	3	0	3	0	0	5	5	0	2	0	0	External	Inflor.	89	-	True	1647	1594		
153	CF1022A-04-11	1022A	6	3	1	0	1	0	0	0	0	0	1	0	0	External	Inflor.	55	-	True	1655	1594		
154	CF1022A-04-19	2172A	1	0	5	0	5	0	0	0	0	0	1	0	0	Main	Inflor.	abontf	-	True	1664	1663		
155	CF1022A-04-19	2172A	1	1	1	0	1	0	0	0	0	0	0	0	0	Branch	Inflor.	abontf	-	True	1666	1663		
156	CF1022A-04-19	2172A	1	2	5	1	6	0	0	0	0	0	6	0	0	Extended	rior./Hbor.	Fed/c	cl	1668	1663			
157	CF1022A-04-19	2172A	1	1	2	0	2	0	0	0	0	0	1	0	0	Branch	Inflor.	abontf	-	True	1690	1663		
158	CF1022A-04-19	2172A	1	2	3	1	4	0	0	0	0	0	4	0	0	Extended	rior./abontf	Fed/c	cl	1695	1663			
159	CF1022A-04-19	2172A	1	1	3	0	3	0	0	8	8	0	2	0	0	Branch	Inflor.	89	-	True	1711	1663		

X	Genotype	date	mode	plant	order	aro	vis	le	fol	at	qui	ho	ph	ha	flow	er	h	all	off	st	ov	ge	an	cia	fl	yp	h	h	w	st	cu	ple	de	pl	and	ul
160	CF10272A	04-19		1	2	3	0	3	0	0	3	3	0	2	0	0	Extended	Inflor	89	True	1719	663														
161	CF10272A	04-19		1	3	2	1	3	0	0	0	0	0	3	0	0	Extended	aborted/H	89	False	1724	663														
162	CF10272A	04-19		1	1	2	0	2	0	0	18	18	0	0	0	0	Extended	Inflor	89	True	1744	663														
163	CF10272A	04-19		1	2	1	0	1	0	0	6	4	0	0	0	0	Branch	Inflor	89	True	1746	663														
164	CF10272A	04-19		1	3	3	0	3	0	0	0	0	0	2	0	0	Extended	Inflor	aborted	True	1748	663														
165	CF10272A	04-19		1	2	2	1	3	0	0	0	0	0	3	0	0	Extended	aborted/G	89	False	1764	663														
166	CF10272A	04-19		2	0	8	0	8	0	0	14	14	0	4	0	0	Main	Inflor	89	True	1778	777														
167	CF10272A	04-19		2	1	3	0	3	0	0	0	0	0	2	0	0	Branch	Inflor	60	True	1780	777														
168	CF10272A	04-19		2	2	3	0	3	0	0	3	2	0	2	0	0	Extended	Inflor	71	True	1788	777														
169	CF10272A	04-19		2	3	3	1	4	0	0	0	0	0	4	0	0	Extended	aborted/H	89	False	1796	777														
170	CF10272A	04-19		2	1	2	0	2	0	0	6	5	0	1	0	0	Branch	Inflor	89	True	1819	777														
171	CF10272A	04-19		2	2	3	0	3	0	0	0	0	0	3	0	0	Extended	aborted/ab	89	False	1824	777														
172	CF10272A	04-19		2	1	2	0	2	0	0	8	6	0	1	0	0	Branch	Inflor	89	True	1843	777														
173	CF10272A	04-19		2	2	3	0	3	0	0	0	0	0	3	0	0	Extended	aborted/ab	89	False	1848	777														
174	CF10272A	04-19		2	1	2	0	2	0	0	7	6	0	1	0	0	Extended	Inflor	89	True	1861	777														
175	CF10272A	04-19		2	2	3	0	3	0	0	1	1	0	2	0	0	Extended	Inflor	71	True	1866	777														
176	CF10272A	04-19		2	3	3	0	3	0	0	0	0	0	2	0	0	Extended	aborted/G	89	False	1874	777														

X	Genotype	modality	plant_order	visible	flower_color	petal_color	sepal_color	leaf_color	fruit_color	seed_color	stem_color	branch_color	initial_color	final_color	inflorescence_type	abscission	completion_date	duration		
177	CF102-19	272A	3	0	8	0	0	16	16	0	2	0	0		MainInflorescence	True	1891	1894		
178	CF102-19	272A	3	1	2	0	0	3	3	0	1	0	0		BranchInflorescence	True	1897	1894		
179	CF102-19	272A	3	2	4	0	0	3	2	0	3	0	0		ExtendedInflorescence	True	1902	1894		
180	CF102-19	272A	3	3	2	0	0	0	0	0	2	0	0		ExtendedInflorescence/abortive	False	1911	1894		
181	CF102-19	272A	3	1	2	0	0	0	1	0	1	0	0		BranchInflorescence	True	1924	1894		
182	CF102-19	272A	3	2	3	2	5	0	0	0	0	5	0	0		ExtendedInflorescence/Globular	False	1929	1894	
183	CF102-19	272A	3	1	3	0	3	0	0	3	3	0	2	0	0		BranchInflorescence	True	1948	1894
184	CF102-19	272A	3	2	3	1	4	0	0	0	0	4	0	0		ExtendedInflorescence/Globular	False	1956	1894	
185	CF102-19	272A	3	1	3	0	3	0	0	4	1	0	2	0	0		BranchInflorescence	True	1972	1894
186	CF102-19	272A	3	2	3	0	3	0	0	2	1	0	2	0	0		ExtendedInflorescence	True	1980	1894
187	CF102-19	272A	3	3	3	1	4	0	0	0	0	4	0	0		ExtendedInflorescence/Globular	False	1988	1894	
188	CF102-19	272A	3	1	3	0	3	0	0	8	6	0	2	0	0		BranchInflorescence	True	2008	1894
189	CF102-19	272A	3	2	2	1	3	0	0	0	0	0	3	0	0		ExtendedInflorescence/Globular	False	2016	1894
190	CF102-19	272A	3	1	2	0	2	0	0	6	6	0	1	0	0		ExtendedInflorescence	True	2032	1894
191	CF102-19	272A	3	2	3	1	4	0	0	0	0	0	3	0	0		ExtendedInflorescence/abortive	False	2037	1894
192	CF102-19	272A	4	0	6	0	6	0	0	16	16	0	0	0	0		MainInflorescence	True	2060	2059
193	CF102-19	272A	4	1	1	0	1	0	0	0	0	0	0	0	0		BranchInflorescence	True	2062	2059

X	Genotype	modality	plant order	visible	foliar	leaf	petiole	petiole	petiole	flower	cal	lobes	stamens	stamens	initial	type	inflorescence	complete	planned	yield
211	CF10272A-04-19	2172A	5	1	2	0	2	0	0	7	7	0	0	0	0	Branch	Inflorescence	True	2192	2170
212	CF10272A-04-19	2172A	5	2	2	0	2	0	0	0	0	0	2	0	0	Branch	dried/aborted	False	2119	2170
213	CF10272A-04-19	2172A	5	2	2	0	2	0	0	7	5	0	1	0	0	Extension	Inflorescence	True	2202	2170
214	CF10272A-04-19	2172A	5	3	2	0	2	0	0	0	0	0	2	0	0	Extension	dried/aborted	False	2212	2170
215	CF10272A-04-19	2172A	5	1	2	0	2	0	0	12	11	0	1	0	0	Branch	Inflorescence	True	2224	2170
216	CF10272A-04-19	2172A	5	2	1	1	2	0	0	0	0	0	2	0	0	Extension	dried/aborted	False	2229	2170
217	CF10272A-04-19	2172A	5	1	2	0	2	0	0	7	7	0	0	0	0	Branch	Inflorescence	True	2242	2170
218	CF10272A-04-19	2172A	5	2	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflorescence	True	2244	2170
219	CF10272A-04-19	2172A	5	3	1	1	2	0	0	0	0	0	2	0	0	Extension	dried/aborted	False	2249	2170
220	CF10272A-04-19	2172A	5	2	3	1	4	0	0	0	0	0	4	0	0	Extension	dried/aborted	False	2259	2170
221	CF10272A-04-19	2172A	5	1	2	1	3	0	0	0	0	0	3	0	0	Branch	dried/aborted	False	2272	2170
222	CF10272A-04-19	2172A	5	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflorescence	True	2282	2170
223	CF10272A-04-19	2172A	5	2	3	1	4	0	0	0	0	0	4	0	0	Extension	dried/aborted	False	2292	2170
224	CF10272A-04-19	2172A	5	1	2	0	2	0	0	5	5	0	1	0	0	Extension	Inflorescence	True	2302	2170
225	CF10272A-04-19	2172A	5	2	2	1	3	0	0	0	0	0	3	0	0	Extension	dried/aborted	False	2312	2170
226	CF10272A-04-19	2172A	6	0	4	0	4	0	0	0	0	0	1	0	0	Main	Inflorescence	True	2322	2326
227	CF10272A-04-19	2172A	6	1	1	0	1	0	0	9	9	0	0	0	0	Branch	Inflorescence	True	2322	2326

X	Genotype	phenology	plant_order	visible	flower_color	fruit_color	petal_color	sepal_color	total_color	flower_size	seed_size	seed_weight	initial_biomass	final_biomass	biomass_gain	biomass_loss	biomass_net	
228	CF107-04-19	272A	6	2	2	0	2	0	0	6	4	0	1	0	0	Extensiflorescence	True	2332326
229	CF107-04-19	272A	6	3	2	1	3	0	0	0	0	3	0	0	Extensiflorescence	False	2332326	
230	CF107-04-19	272A	6	1	2	0	2	0	0	9	9	0	1	0	0	Branchinflorescence	True	2352326
231	CF107-04-19	272A	6	2	3	0	3	0	0	0	0	2	0	0	Extensiflorescence	True	2352326	
232	CF107-04-19	272A	6	1	3	0	3	0	0	21	21	0	1	0	0	Extensiflorescence	True	2382326
233	CF107-04-19	272A	6	2	3	0	3	0	0	7	7	0	2	0	0	Branchinflorescence	True	2382326
234	CF107-04-19	272A	6	3	3	1	4	0	0	0	0	3	0	0	Extensiflorescence	True	2392326	
235	CF107-04-19	272A	6	2	2	0	2	0	0	6	6	0	1	0	0	Extensiflorescence	True	2412326
236	CF107-04-19	272A	6	3	2	0	2	0	0	0	0	1	0	0	Extensiflorescence	False	2422326	
237	CF120-04-25	272A	1	0	2	0	2	0	0	0	0	0	0	0	0	MainInflorescence	True	2432437
238	CF120-04-25	272A	1	1	2	0	2	0	0	4	4	0	1	0	0	Branchinflorescence	True	2442437
239	CF120-04-25	272A	1	2	6	0	6	0	0	9	5	0	5	0	0	Extensiflorescence	True	2442437
240	CF120-04-25	272A	1	3	2	0	2	0	0	0	0	2	0	0	0	Extensiflorescence	True	2462437
241	CF120-04-25	272A	1	1	6	0	6	0	0	6	5	0	1	0	0	Extensiflorescence	True	2482437
242	CF120-04-25	272A	1	2	4	0	4	0	0	9	9	0	3	0	0	Branchinflorescence	True	2482437
243	CF120-04-25	272A	1	3	2	0	2	0	0	6	6	0	1	0	0	Extensiflorescence	True	2492437
244	CF120-04-25	272A	1	4	3	3	6	0	0	0	0	6	0	0	0	Extensiflorescence	False	2502437

X	Genotype	phenology	plant_order	visible	flower_color	petal_color	sepal_color	leaf_color	fruit_color	seed_color	stem_color	branch_color	initial_color	final_color	inflorescence	total	complete	planted			
245	CF12072A-04-25	2022	1	2	3	0	3	0	0	8	6	0	2	0	0	Branch	Inflor.	89	True	252	2437
246	CF12072A-04-25	2022	1	3	2	0	2	0	0	8	7	0	1	0	0	Extension	Inflor.	89	True	253	2437
247	CF12072A-04-25	2022	1	4	2	1	3	0	0	0	0	0	3	0	0	Extension/Gl	Inflor./Glb	89	False	253	2437
248	CF12072A-04-25	2022	1	2	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflor.	89	True	255	2437
249	CF12072A-04-25	2022	1	3	3	0	3	0	0	11	4	0	2	0	0	Extension	Inflor.	71	True	255	2437
250	CF12072A-04-25	2022	1	4	2	1	3	0	0	0	0	0	3	0	0	Extension	Inflor./Hb	89	False	256	2437
251	CF12072A-04-25	2022	1	2	2	0	2	0	0	8	7	0	1	0	0	Branch	Inflor.	89	True	257	2437
252	CF12072A-04-25	2022	1	3	3	1	4	0	0	0	0	0	4	0	0	Extension	Inflor./Glb	89	False	258	2437
253	CF12072A-04-25	2022	1	2	2	0	2	0	0	10	10	0	1	0	0	Extension	Inflor.	89	True	260	2437
254	CF12072A-04-25	2022	1	3	3	0	3	0	0	12	11	0	2	0	0	Extension	Inflor.	89	True	260	2437
255	CF12072A-04-25	2022	1	4	2	1	3	0	0	0	0	0	2	0	0	Extension	Inflor./Hb	89	False	261	2437
256	CF12072A-04-25	2022	2	0	6	0	6	0	0	10	10	0	0	0	0	Main	Inflor.	89	True	263	2635
257	CF12072A-04-25	2022	2	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflor.	89	True	263	2635
258	CF12072A-04-25	2022	2	2	3	0	3	0	0	3	1	0	2	1	0	Extension	Inflor.	71	True	264	2635
259	CF12072A-04-25	2022	2	3	1	1	2	0	0	0	0	0	2	0	0	Extension	initiated	-	False	265	2635
260	CF12072A-04-25	2022	2	1	1	0	1	0	0	7	7	0	0	0	0	Branch	Inflor.	89	True	266	2635
261	CF12072A-04-25	2022	2	2	2	0	2	0	0	6	6	0	1	0	0	Extension	Inflor.	89	True	266	2635

X	Genotype	type	modality	order	aro_vis	blef	collar	triquil	hoph	helia	flower	halk	off	trist	lowg	veget	an	cia	fl	h	h	win	stg	comple	deplan	uled
279	CF12072A	04-25	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280	CF12072A	04-25	3	2	7	0	7	0	0	12	12	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
281	CF12072A	04-25	3	3	1	0	1	0	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
282	CF12072A	04-25	3	4	4	0	4	0	0	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
283	CF12072A	04-25	3	5	2	2	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
284	CF12072A	04-25	3	3	2	0	2	0	0	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
285	CF12072A	04-25	3	3	3	0	3	0	0	6	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
286	CF12072A	04-25	3	4	1	2	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
287	CF12072A	04-25	3	3	2	0	2	0	0	7	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
288	CF12072A	04-25	3	4	3	0	3	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
289	CF12072A	04-25	3	5	1	3	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
290	CF12072A	04-25	4	0	2	0	2	0	0	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
291	CF12072A	04-25	4	1	2	0	2	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
292	CF12072A	04-25	4	2	3	0	3	0	0	4	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
293	CF12072A	04-25	4	3	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
294	CF12072A	04-25	4	2	5	0	5	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
295	CF12072A	04-25	4	1	1	0	1	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	phenology	plant height	order	visible flower	flower number	fruit number	seed number	seed weight	seed volume	seed color	seed shape	seed size	seed weight	seed volume	seed color	seed shape	seed size	
313	CF12072A-04-25	2022	5	2	2	0	2	0	0	5	5	0	1	0	0	ExtendedInflor.	89	True	3173016
314	CF12072A-04-25	2022	5	3	2	2	4	0	0	0	0	4	0	0	ExtendedInflor./Hbor	Fed/cult	82	2016	
315	CF12072A-04-25	2022	6	0	7	0	7	0	0	11	11	0	2	0	0	MainInflor.	89	True	3203199
316	CF12072A-04-25	2022	6	1	4	0	4	0	0	8	8	0	2	0	0	BranchInflor.	89	True	3202199
317	CF12072A-04-25	2022	6	2	4	0	4	0	0	0	0	4	0	0	BranchInflor./Hbor	Fed/cult	81	199	
318	CF12072A-04-25	2022	6	2	5	0	5	0	0	6	2	0	3	0	0	ExtendedInflor.	71	True	3223199
319	CF12072A-04-25	2022	6	3	1	1	2	0	0	0	0	2	0	0	ExtendedInflor./Hbor	Fed/cult	82	199	
320	CF12072A-04-25	2022	6	1	4	0	4	0	0	9	9	0	2	0	0	BranchInflor.	89	True	3253199
321	CF12072A-04-25	2022	6	2	3	0	3	0	0	0	0	3	0	0	BranchInflor./Hbor	Fed/cult	81	199	
322	CF12072A-04-25	2022	6	2	2	0	2	0	0	7	7	0	1	0	0	ExtendedInflor.	89	True	3273199
323	CF12072A-04-25	2022	6	3	3	0	3	0	0	5	0	0	2	0	0	ExtendedInflor.	60	True	3273199
324	CF12072A-04-25	2022	6	1	4	0	4	0	0	9	9	0	2	0	0	BranchInflor.	89	True	3293199
325	CF12072A-04-25	2022	6	2	3	1	4	0	0	0	0	4	0	0	BranchInflor./Hbor	Fed/cult	83	199	
326	CF12072A-04-25	2022	6	2	2	0	2	0	0	6	6	0	1	0	0	ExtendedInflor.	89	True	3313199
327	CF12072A-04-25	2022	6	3	3	0	3	0	0	0	0	3	0	0	ExtendedInflor./Gbor	Fed/cult	83	199	
328	CF12072A-04-25	2022	6	1	3	0	3	0	0	6	6	0	2	0	0	BranchInflor.	89	True	3343199
329	CF12072A-04-25	2022	6	2	3	1	4	0	0	0	0	4	0	0	ExtendedInflor./Gbor	Fed/cult	85	199	

X	Genotype	climod	planyr	order	aro_vis	blef	collat	quih	phila	flow	etk	allf	mit	st	lowg	et	an	cia	fl	h	h	wh	st	com	ple	pland	uled
330	CF12072A	04-25	6	1	2	0	2	0	0	6	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
331	CF12072A	04-25	6	2	4	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332	CF941022A	04-25	1	0	7	0	7	0	0	9	8	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333	CF941022A	04-25	1	1	5	2	7	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
334	CF941022A	04-25	1	1	3	0	3	0	0	19	14	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
335	CF941022A	04-25	1	1	5	0	5	0	0	6	6	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
336	CF941022A	04-25	1	2	3	0	3	0	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337	CF941022A	04-25	1	3	2	2	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
338	CF941022A	04-25	1	1	5	0	5	0	0	4	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339	CF941022A	04-25	1	2	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
340	CF941022A	04-25	1	2	4	0	4	0	0	4	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
341	CF941022A	04-25	1	3	2	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
342	CF941022A	04-25	1	3	2	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343	CF941022A	04-25	2	0	6	0	6	0	0	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344	CF941022A	04-25	2	1	5	0	5	0	0	6	6	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345	CF941022A	04-25	2	2	3	0	3	0	0	4	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
346	CF941022A	04-25	2	3	3	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	modality	plant_order	visible_foliage	flower_color	petal_color	sepal_color	leaf_shape	fruit_size	seed_weight	stamen_length	pistil_length	total_height	growth_rate					
381	CF94-04-25	2022A	4	2	3	0	3	0	0	4	3	0	2	0	0	Extensiflorous	True	3913	369
382	CF94-04-25	2022A	4	3	3	1	4	0	0	0	0	0	4	0	0	Extensiflorous/Hybrid	False	3923	369
383	CF94-04-25	2022A	4	1	2	0	2	0	0	5	4	0	1	0	0	BranchedInflorescence	True	3943	369
384	CF94-04-25	2022A	4	2	4	2	6	0	0	0	0	0	6	0	0	Extensiflorous/Globular	False	3943	369
385	CF94-04-25	2022A	4	1	3	0	3	0	0	5	4	0	2	0	0	BranchedInflorescence	True	3973	369
386	CF94-04-25	2022A	4	2	2	2	4	0	0	0	0	0	4	0	0	Extensiflorous/Hybrid	False	3973	369
387	CF94-04-25	2022A	4	1	2	0	2	0	0	5	5	0	1	0	0	Extensiflorous	True	4013	369
388	CF94-04-25	2022A	4	2	4	0	4	0	0	0	0	0	3	0	0	Extensiflorous	True	4013	369
389	CF94-04-25	2022A	5	0	6	0	6	0	0	9	9	0	4	0	0	MainInflorescence	True	4044	040
390	CF94-04-25	2022A	5	1	3	0	3	0	0	6	6	0	2	0	0	BranchedInflorescence	True	4053	040
391	CF94-04-25	2022A	5	2	3	0	3	0	0	3	1	0	2	0	0	Extensiflorous/Spike	True	4063	040
392	CF94-04-25	2022A	5	3	2	1	3	0	0	0	0	0	3	0	0	Extensiflorous/Hybrid	False	4074	040
393	CF94-04-25	2022A	5	1	3	0	3	0	0	5	4	0	2	0	0	Extensiflorous	True	4083	040
394	CF94-04-25	2022A	5	2	2	0	2	0	0	5	5	0	1	0	0	Extensiflorous	True	4093	040
395	CF94-04-25	2022A	5	3	2	0	2	0	0	3	0	0	1	0	0	Extensiflorous	True	4093	040
396	CF94-04-25	2022A	5	4	2	1	3	0	0	0	0	0	3	0	0	Extensiflorous/Hybrid	False	4113	040
397	Ciflora-04-05	2022A	1	0	6	0	6	0	0	9	9	0	3	0	0	MainInflorescence	True	4119	118

[illegible]

X	Genotype	date	mod	plant	order	aro	vis	le	fol	at	qui	ho	ph	ha	flow	er	all	off	st	ov	ge	an	cia	fl	ph	all	inf	win	st	com	ple	de	pl	and	id
415	Ciflon	2022A	2	4	2	0	2	0	0	10	0	0	1	0	0	Branch	In	89	0	0	True	4284	1262												
	04-05																																		
416	Ciflon	2022A	2	5	3	0	3	0	0	8	0	0	2	0	0	Extens	In	89	0	0	True	4284	1262												
	04-05																																		
417	Ciflon	2022A	2	6	3	1	4	0	0	0	0	0	4	0	0	Extens	In	89	0	0	False	4294	1262												
	04-05																																		
418	Ciflon	2022A	2	4	3	0	3	0	0	0	0	0	2	0	0	Extens	In	89	0	0	True	4314	1262												
	04-05																																		
419	Ciflon	2022A	2	2	3	0	3	0	0	6	0	0	2	0	0	Branch	In	89	0	0	True	4354	1262												
	04-05																																		
420	Ciflon	2022A	2	3	2	2	4	0	0	0	0	0	4	0	0	Extens	In	89	0	0	False	4354	1262												
	04-05																																		
421	Ciflon	2022A	2	2	3	0	3	0	0	0	0	0	0	0	0	Extens	In	89	0	0	True	4374	1262												
	04-05																																		
422	Ciflon	2022A	2	3	3	0	3	0	0	0	0	0	1	0	0	Extens	In	89	0	0	True	4379	1262												
	04-05																																		
423	Ciflon	2022A	3	0	4	0	4	0	0	9	0	0	1	0	0	Main	In	89	0	0	True	4394	1395												
	04-05																																		
424	Ciflon	2022A	3	1	5	0	5	0	0	10	0	0	3	0	0	Branch	In	89	0	0	True	4394	1395												
	04-05																																		
425	Ciflon	2022A	3	2	1	0	1	0	0	0	0	0	0	0	0	Branch	In	89	0	0	True	4404	1395												
	04-05																																		
426	Ciflon	2022A	3	3	6	0	6	0	0	0	0	0	6	0	0	Extens	In	89	0	0	False	4404	1395												
	04-05																																		
427	Ciflon	2022A	3	2	3	2	5	0	0	0	0	0	5	0	0	Extens	In	89	0	0	False	4414	1395												
	04-05																																		
428	Ciflon	2022A	3	1	3	0	3	0	0	0	0	0	2	0	0	Branch	In	89	0	0	True	4454	1395												
	04-05																																		
429	Ciflon	2022A	3	2	3	2	5	0	0	0	0	0	5	0	0	Extens	In	89	0	0	False	4464	1395												
	04-05																																		
430	Ciflon	2022A	3	1	2	0	2	0	0	6	0	0	1	0	0	Extens	In	89	0	0	True	4484	1395												
	04-05																																		
431	Ciflon	2022A	3	2	3	2	5	0	0	0	0	0	5	0	0	Extens	In	89	0	0	False	4484	1395												
	04-05																																		

X	Genotype	date	mod	plant	order	aro	vis	le	fol	at	qui	ho	ph	ha	flow	er	ka	lo	st	ow	ge	an	cia	fl	ph	ln	fl	wh	st	com	ple	de	pl	an	du	id
432	Ciflon	2022A	4	0	6	0	6	0	0	7	7	0	2	0	0	Main	In	fl	or	89	ende	True	450	7	5	06										
		04-05																																		
433	Ciflon	2022A	4	1	2	0	2	0	0	7	7	0	1	0	0	Branch	In	fl	or	89	ende	True	451	2	5	06										
		04-05																																		
434	Ciflon	2022A	4	2	4	0	4	0	0	8	3	0	3	0	0	Extens	In	fl	or	89	ende	True	451	7	5	06										
		04-05																																		
435	Ciflon	2022A	4	3	2	1	3	0	0	0	0	0	3	0	0	Extens	ied	/	l	bor	F	all	452	8	5	06										
		04-05																																		
436	Ciflon	2022A	4	1	2	0	2	0	0	6	4	0	1	0	0	Branch	In	fl	or	89	ende	True	454	2	5	06										
		04-05																																		
437	Ciflon	2022A	4	2	2	0	2	0	0	0	0	0	1	0	0	Extens	In	fl	or	55	ende	True	454	7	5	06										
		04-05																																		
438	Ciflon	2022A	4	1	1	0	1	0	0	0	0	0	1	0	0	Branch	In	fl	or	ab	onde	True	456	3	5	06										
		04-05																																		
439	Ciflon	2022A	4	1	1	0	1	0	0	2	2	0	0	0	0	Extens	In	fl	or	89	ende	True	457	2	5	06										
		04-05																																		
440	Ciflon	2022A	4	2	4	0	4	0	0	0	0	0	3	0	0	Extens	In	fl	or	55	ende	True	457	4	5	06										
		04-05																																		
441	Ciflon	2022A	5	0	5	0	5	0	0	7	7	0	2	0	0	Main	In	fl	or	89	ende	True	459	4	5	93										
		04-05																																		
442	Ciflon	2022A	5	1	5	0	5	0	0	10	10	0	4	0	0	Branch	In	fl	or	89	ende	True	459	9	5	93										
		04-05																																		
443	Ciflon	2022A	5	2	2	0	2	0	0	9	4	0	1	0	0	Extens	In	fl	or	89	ende	True	461	3	5	93										
		04-05																																		
444	Ciflon	2022A	5	3	3	0	3	0	0	0	0	0	2	0	0	Extens	In	fl	or	55	ende	True	461	8	5	93										
		04-05																																		
445	Ciflon	2022A	5	1	1	0	1	0	0	6	6	0	0	0	0	Branch	In	fl	or	89	ende	True	463	4	5	93										
		04-05																																		
446	Ciflon	2022A	5	2	3	0	3	0	0	7	7	0	2	0	0	Extens	In	fl	or	89	ende	True	463	7	5	93										
		04-05																																		
447	Ciflon	2022A	5	3	2	0	2	0	0	5	4	0	1	0	0	Extens	In	fl	or	89	ende	True	464	4	5	93										
		04-05																																		
448	Ciflon	2022A	5	4	2	0	2	0	0	0	0	0	1	0	0	Extens	In	fl	or	55	ende	True	465	0	5	93										
		04-05																																		

X	Genotype	date	modality	plant_order	order	visible	flower_color	leaf_color	petal_color	sepal_color	height	calyx_color	fruit_color	vegetative	initial_diameter	floral_diameter	inflorescence_type	is_scandent	status	complete	planted	seeded		
449	Ciflor	2022-04-05	A	5	1	1	0	1	0	0	9	9	0	0	0	0	Branch	Inflor.	89	True	4664	1593		
450	Ciflor	2022-04-05	A	5	2	3	0	3	0	0	3	3	0	2	0	0	Extens	Inflor.	89	True	4667	1593		
451	Ciflor	2022-04-05	A	5	3	3	1	4	0	0	0	0	4	0	0	0	Extens	Infrior/Gl	Born	Fed/cell	4674	1593		
452	Ciflor	2022-04-05	A	6	0	6	0	6	0	0	13	10	0	2	0	0	MainInflor.	comp	89	True	4694	1695		
453	Ciflor	2022-04-05	A	6	1	7	0	7	0	0	11	7	0	6	0	0	Branch	Inflor.	89	True	4701	1695		
454	Ciflor	2022-04-05	A	6	2	3	0	3	0	0	0	0	0	2	0	0	Extens	Inflor.	abont	89	True	4721	1695	
455	Ciflor	2022-04-05	A	6	1	3	0	3	0	0	15	12	0	1	0	0	Branch	Inflor.	89	True	4744	1695		
456	Ciflor	2022-04-05	A	6	2	2	0	2	0	0	0	0	0	2	0	0	Branch	died / abont	89	Fed/cell	4744	1695		
457	Ciflor	2022-04-05	A	6	2	3	0	3	0	0	4	1	0	2	0	0	Extens	Inflor.	51	True	4754	1695		
458	Ciflor	2022-04-05	A	6	3	3	0	3	0	0	0	0	0	3	0	0	Extens	Inflor.	E	Scend	89	True	4762	1695
459	Ciflor	2022-04-05	A	6	4	1	2	3	0	0	0	0	0	2	0	0	Extens	visig	nativ	e	False	4774	1695	
460	Ciflor	2022-04-05	A	6	1	5	0	5	0	0	0	0	0	4	0	0	Branch	Inflor.	abont	89	True	4784	1695	
461	Ciflor	2022-04-05	A	6	2	3	0	3	0	0	0	0	0	3	0	0	Extens	Inflor.	D	Scend	89	True	4804	1695
462	Ciflor	2022-04-05	A	6	1	3	0	3	0	0	3	0	0	2	0	0	Extens	Inflor.	60	True	4819	1695		
463	Ciflor	2022-04-05	A	6	2	3	0	3	0	0	0	0	0	3	0	0	Extens	Inflor.	D	Scend	89	True	4827	1695
464	Cigala	2022-04-19	A	1	0	10	0	10	0	0	10	10	0	4	0	0	MainInflor.	89	True	4847	1846			
465	Cigala	2022-04-19	A	1	1	3	0	3	0	0	9	9	0	2	0	0	Branch	Inflor.	89	True	4849	1846		

X	Genotype	modality	plant_order	visible	flower_color	petal_color	sepal_color	leaf_color	fruit_color	seed_color	stem_color	branch_color	initial_color	final_color	inflorescence_type	complete	planned
466	Cigala-04-19	2022A	1	2	4	3	7	0	0	0	0	7	0	0	Extension/Globular	False	4814
467	Cigala-04-19	2022A	1	1	4	0	4	0	0	6	6	0	3	0	Branch/Inflorescence	True	4882
468	Cigala-04-19	2022A	1	2	4	3	7	0	0	0	0	7	0	0	Extension/Globular	False	4894
469	Cigala-04-19	2022A	1	1	5	0	5	0	0	6	6	0	4	0	Branch/Inflorescence	True	4918
470	Cigala-04-19	2022A	1	2	4	3	7	0	0	0	0	7	0	0	Extension/Globular	False	4934
471	Cigala-04-19	2022A	1	1	4	0	4	0	0	5	5	0	3	0	Branch/Inflorescence	True	4957
472	Cigala-04-19	2022A	1	2	3	3	6	0	0	0	0	6	0	0	Extension/Globular	False	4968
473	Cigala-04-19	2022A	1	1	5	2	7	0	0	0	0	7	0	0	Branch/dried/Globular	False	5002
474	Cigala-04-19	2022A	1	1	4	0	4	0	0	5	4	0	3	0	Extension/Inflorescence	True	5024
475	Cigala-04-19	2022A	1	2	1	2	3	0	0	0	0	3	0	0	Extension/dried/Horibellus	False	5037
476	Cigala-04-19	2022A	2	0	7	0	7	0	0	12	12	0	2	0	MainInflorescence	True	5055
477	Cigala-04-19	2022A	2	1	3	0	3	0	0	8	8	0	2	0	Branch/Inflorescence	True	5053
478	Cigala-04-19	2022A	2	2	3	0	3	0	0	4	4	0	2	0	Extension/Inflorescence	True	5065
479	Cigala-04-19	2022A	2	3	1	2	3	0	0	0	0	3	0	0	Extension/dried/Globular	False	5066
480	Cigala-04-19	2022A	2	1	3	0	3	0	0	7	7	0	2	0	Branch/Inflorescence	True	5083
481	Cigala-04-19	2022A	2	2	4	0	4	0	0	6	3	0	3	0	Extension/Inflorescence	True	5095
482	Cigala-04-19	2022A	2	3	1	2	3	0	0	0	0	3	0	0	Extension/dried/Elongated	False	5102

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phell	phell	flower	stalk	leaf	stems	lowg	veget	anther	floral	hypan	infl	winstr	stg	comple	deplan	uled
500	Cigale	2022A	4	1	2	0	2	0	0	6	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-19																									
501	Cigale	2022A	4	2	3	0	3	0	0	6	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-19																									
502	Cigale	2022A	4	3	2	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-19																									
503	Cirei	2022A	1	0	7	0	7	0	0	6	6	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
504	Cirei	2022A	1	1	3	0	3	0	0	9	9	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
505	Cirei	2022A	1	2	4	3	7	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
506	Cirei	2022A	1	1	3	0	3	0	0	8	8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
507	Cirei	2022A	1	2	2	0	2	0	0	6	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
508	Cirei	2022A	1	3	4	1	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
509	Cirei	2022A	2	0	3	0	3	0	0	22	22	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
510	Cirei	2022A	2	1	1	0	1	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
511	Cirei	2022A	2	2	3	0	3	0	0	4	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
512	Cirei	2022A	2	3	3	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
513	Cirei	2022A	2	1	3	0	3	0	0	7	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
514	Cirei	2022A	2	2	2	0	2	0	0	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
515	Cirei	2022A	2	3	3	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									
516	Cirei	2022A	3	0	4	0	4	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-25																									

X	Genotype	date	mode	plant	order	aro_vis	ble_fol	lat_q	oil_h	ph_h	sh_h	flower	h_t	all_o	h_t	st	lowg	et	an	cia	fl	ph	h	h	win	st	com	ple	de	pland	uled
534	Cireia	2022A	4	2	4	0	4	0	0	0	0	0	3	0	0	Branch	In	flor	esc	pend	True	564	5	563							
	04-25																														
535	Cireia	2022A	4	3	3	0	3	0	0	0	0	0	3	0	0	Extended	ried	/	ab	orted	False	565	5	563							
	04-25																														
536	Cireia	2022A	4	2	3	0	3	0	0	5	5	0	2	0	0	Extended	In	flor	esc	pend	True	566	7	563							
	04-25																														
537	Cireia	2022A	4	3	3	1	4	0	0	0	0	0	4	0	0	Extended	ried	/	ab	orted	False	567	5	563							
	04-25																														
538	Cireia	2022A	5	0	8	0	8	0	0	12	12	2	4	0	0	Main	In	flor	esc	pend	True	569	3	692							
	04-25																														
539	Cireia	2022A	5	1	6	0	6	0	0	8	8	1	4	0	0	Branch	In	flor	esc	pend	True	571	3	692							
	04-25																														
540	Cireia	2022A	5	2	5	4	9	0	0	0	0	1	8	0	0	Extended	ried	/	ab	orted	False	573	6	692							
	04-25																														
541	Cireia	2022A	5	1	4	0	4	0	0	6	6	0	3	0	0	Extended	In	flor	esc	pend	True	576	5	692							
	04-25																														
542	Cireia	2022A	5	2	6	4	10	0	0	0	0	1	9	0	0	Extended	ried	/	ab	orted	False	577	2	692							
	04-25																														
543	Cireia	2022A	6	0	4	0	4	0	0	11	11	0	1	0	0	Main	In	flor	esc	pend	True	580	7	806							
	04-25																														
544	Cireia	2022A	6	1	2	0	2	0	0	6	6	0	1	0	0	Branch	In	flor	esc	pend	True	580	9	806							
	04-25																														
545	Cireia	2022A	6	2	3	0	3	0	0	0	0	0	3	0	0	Extended	ried	/	ab	orted	False	581	4	806							
	04-25																														
546	Cireia	2022A	6	1	2	0	2	0	0	0	0	0	2	0	0	Branch	ried	/	ab	orted	False	582	7	806							
	04-25																														
547	Cireia	2022A	6	1	2	0	2	0	0	9	9	0	1	0	0	Extended	In	flor	esc	pend	True	583	9	806							
	04-25																														
548	Cireia	2022A	6	2	2	0	2	0	0	3	3	0	1	0	0	Extended	In	flor	esc	pend	True	584	4	806							
	04-25																														
549	Cireia	2022A	6	3	1	1	2	0	0	0	0	0	2	0	0	Extended	ried	/	ab	orted	False	584	6	806							
	04-25																														
550	CIR120	2022A	1	0	4	0	4	0	0	0	0	0	0	0	0	Main	In	flor	esc	pend	True	586	5	860							
	04-05																														

X	Genotype	modality	planarity	order	visible	flower	petal	petal	petal	flower	cal	flower	stam	stigma	style	anther	ovary	complete	planned	used
568	CIR1207-04-05	222A	2	2	5	2	7	0	0	0	0	0	7	0	0	Brandied/abortifl	Inflorescence	False	6035	986
569	CIR1207-04-05	222A	2	2	6	0	6	0	0	0	0	0	5	0	0	Extended/abortifl	Inflorescence	True	6065	986
570	CIR1207-04-05	222A	2	3	1	1	2	0	0	0	0	0	2	0	0	Extended/abortifl	Inflorescence	False	6075	986
571	CIR1207-04-05	222A	2	1	6	0	6	0	0	14	14	0	4	0	0	Extended/abortifl	Inflorescence	True	6085	986
572	CIR1207-04-05	222A	2	2	3	0	3	0	0	0	0	0	3	0	0	Brandied/abortifl	Inflorescence	False	6095	986
573	CIR1207-04-05	222A	2	2	4	0	4	0	0	9	6	0	3	0	0	Extended/abortifl	Inflorescence	True	6115	986
574	CIR1207-04-05	222A	2	3	3	0	3	0	0	0	0	0	2	0	0	Extended/abortifl	Inflorescence	True	6125	986
575	CIR1207-04-05	222A	3	0	2	0	2	0	0	0	0	0	0	0	0	MainInflorescence	Inflorescence	True	6145	142
576	CIR1207-04-05	222A	3	1	2	0	2	0	0	0	0	0	2	0	0	BranchInflorescence	Inflorescence	True	6145	142
577	CIR1207-04-05	222A	3	2	4	1	5	0	0	0	0	0	5	0	0	Extended/abortifl	Inflorescence	False	6155	142
578	CIR1207-04-05	222A	3	1	4	0	4	0	0	0	0	0	2	0	0	Extended/abortifl	Inflorescence	True	6165	142
579	CIR1207-04-05	222A	3	2	2	0	2	0	0	0	0	0	2	0	0	BranchInflorescence	Inflorescence	True	6175	142
580	CIR1207-04-05	222A	3	3	1	0	1	0	0	0	0	0	1	0	0	Extended/abortifl	Inflorescence	False	6175	142
581	CIR1207-04-05	222A	3	2	4	0	4	0	0	0	0	0	4	0	0	Extended/abortifl	Inflorescence	True	6185	142
582	CIR1207-04-05	222A	3	3	1	2	3	0	0	0	0	0	3	0	0	Extended/abortifl	Inflorescence	False	6205	142
583	CIR1207-04-05	222A	4	0	5	0	5	0	0	10	10	0	1	0	0	MainInflorescence	Inflorescence	True	6215	214
584	CIR1207-04-05	222A	4	1	1	0	1	0	0	0	0	0	0	0	0	BranchInflorescence	Inflorescence	True	6225	214

X	Genotype	modality	plant_order	visible	flower_color	petal_color	sepal_color	leaf_color	total_flowers	total_seeds	total_fruit_weight	total_fruit_size	total_fruit_shape	total_fruit_color	total_fruit_texture	total_fruit_taste	total_fruit_smell			
585	CIR107-04-05	22A	4	2	2	0	2	0	0	0	0	2	0	0	Extended/abortif.	Flower/seed	True	6225	214	
586	CIR107-04-05	22A	4	1	3	0	3	0	0	9	6	0	2	0	0	Branch/infloresc.	Flower/seed	True	6235	214
587	CIR107-04-05	22A	4	2	2	0	2	0	0	0	0	2	0	0	Extended/abortif.	Flower/seed	False	6246	214	
588	CIR107-04-05	22A	4	1	2	0	2	0	0	0	0	1	0	0	Branch/infloresc.	Flower/seed	True	6256	214	
589	CIR107-04-05	22A	4	2	2	0	2	0	0	9	5	0	1	0	0	Extended/abortif.	Flower/seed	True	6255	214
590	CIR107-04-05	22A	4	3	1	1	2	0	0	0	0	2	0	0	Extended/abortif.	Flower/seed	True	6266	214	
591	CIR107-04-05	22A	4	1	2	0	2	0	0	13	10	0	1	0	0	Extended/abortif.	Flower/seed	True	6276	214
592	CIR107-04-05	22A	4	2	3	1	4	0	0	0	0	4	0	0	Extended/abortif.	Flower/seed	True	6276	214	
593	CIR107-04-05	22A	5	0	8	0	8	0	0	0	0	3	0	0	Main/infloresc.	Flower/seed	True	6293	292	
594	CIR107-04-05	22A	5	1	3	0	3	0	0	9	8	0	2	0	0	Branch/infloresc.	Flower/seed	True	6298	292
595	CIR107-04-05	22A	5	2	2	0	2	0	0	6	5	0	1	0	0	Extended/abortif.	Flower/seed	True	6306	292
596	CIR107-04-05	22A	5	3	2	0	2	0	0	0	0	1	0	0	Extended/abortif.	Flower/seed	True	6316	292	
597	CIR107-04-05	22A	5	4	1	0	1	0	0	0	0	1	0	0	Extended/abortif.	Flower/seed	False	6316	292	
598	CIR107-04-05	22A	5	1	1	0	1	0	0	1	9	0	0	0	0	Branch/infloresc.	Flower/seed	True	6328	292
599	CIR107-04-05	22A	5	2	3	0	3	0	0	9	8	0	2	0	0	Extended/abortif.	Flower/seed	True	6336	292
600	CIR107-04-05	22A	5	3	3	0	3	0	0	0	0	2	0	0	Extended/abortif.	Flower/seed	True	6338	292	
601	CIR107-04-05	22A	5	4	1	0	1	0	0	0	0	1	0	0	Extended/abortif.	Flower/seed	False	6346	292	

X	Genotype	date	mode	plant	order	aro	vis	le	fol	at	qui	ho	ph	ha	flow	er	ka	fl	om	is	to	low	ge	ta	cia	fl	yp	all	ch	fl	win	st	com	ple	de	pl	and	uled
602	CIR12022A	04-05		5	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0					Branch	died/aborted	Fl	89	True	635	6	292					
603	CIR12022A	04-05		5	1	1	0	1	0	0	0	0	0	0	15	0	0	0	0	0	0					Branch	Infl	89	True	636	6	292						
604	CIR12022A	04-05		5	2	2	0	2	0	0	0	0	0	0	2	0	1	0	0	0					Ext	Infl	71	True	636	6	292							
605	CIR12022A	04-05		5	3	2	1	3	0	0	0	0	0	0	0	0	3	0	0	0					Ext	Infl	55	True	637	6	292							
606	CIR12022A	04-05		5	1	3	0	3	0	0	9	6	0	0	2	0	0	0	0	0					Ext	Infl	89	True	638	5	292							
607	CIR12022A	04-05		5	2	3	0	3	0	0	0	0	0	0	2	0	0	0	0	0					Ext	Infl	55	True	639	3	292							
608	CIR12022A	04-05		5	3	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0					Ext	died/El	bor	Fel	640	6	292							
609	CIR12022A	04-05		6	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0					Main	Infl	es	com	True	641	6	409						
610	CIR12022A	04-05		6	1	2	0	2	0	0	3	2	0	0	1	0	0	0	0	0					Branch	Infl	71	True	641	3	409							
611	CIR12022A	04-05		6	2	5	0	5	0	0	0	0	0	0	4	0	0	0	0	0					Ext	Infl	55	True	641	7	409							
612	CIR12022A	04-05		6	1	1	0	1	0	0	3	2	0	0	0	0	0	0	0	0					Branch	Infl	71	True	644	2	409							
613	CIR12022A	04-05		6	1	2	0	2	0	0	7	7	0	0	1	0	0	0	0	0					Branch	Infl	89	True	645	6	409							
614	CIR12022A	04-05		6	2	4	0	4	0	0	6	0	0	0	3	0	0	0	0	0					Ext	Infl	60	True	645	6	409							
615	CIR12022A	04-05		6	3	2	2	4	0	0	0	0	0	0	4	0	0	0	0	0					Ext	died/El	bor	Fel	646	6	409							
616	CIR12022A	04-05		6	1	3	0	3	0	0	0	0	0	0	2	0	0	0	0	0					Branch	Infl	es	com	True	648	6	409						
617	CIR12022A	04-05		6	2	4	0	4	0	0	0	0	0	0	4	0	0	0	0	0					Ext	died/El	bor	Fel	649	2	409							
618	CIR12022A	04-05		6	1	7	0	7	0	0	8	8	0	0	5	0	0	0	0	0					Ext	Infl	89	True	650	8	409							

X	Genotype	modality	plant_order	order_	visible	foliar	flower	petiole	inflorescence	leaf	flower	calyx	stamen	ovary	initial	final	phenology	infructescence	complete	planned	yield
619	CIR107-04-05	2022A	6	2	2	0	2	0	0	0	0	0	2	0	0	Brandied/almond	Flowers	False	6526	6409	
620	CIR107-04-05	2022A	6	2	4	0	4	0	0	8	6	0	2	0	0	Extended	Infructescence	True	6536	6409	
621	CIR107-04-05	2022A	6	3	3	1	4	0	0	0	0	0	4	0	0	Brandied/Glory	Flowers	False	6548	6409	
622	CIR107-04-05	2022A	6	3	3	0	3	0	0	0	0	0	3	0	0	Extended	Infructescence	True	6556	6409	
623	Clerly2022-04-05	2022A	1	0	3	0	3	0	0	0	0	0	0	0	0	MainInfructescence	Complete	True	6576	6571	
624	Clerly2022-04-05	2022A	1	1	2	0	2	0	0	5	5	0	1	0	0	Brandied/Half	Flowers	True	6576	6571	
625	Clerly2022-04-05	2022A	1	2	2	1	3	0	0	0	0	0	2	0	0	Extended	Infructescence/Half	False	6576	6571	
626	Clerly2022-04-05	2022A	1	1	3	0	3	0	0	5	5	0	2	0	0	Brandied/Half	Flowers	True	6598	6571	
627	Clerly2022-04-05	2022A	1	2	3	0	3	0	0	6	0	0	2	0	0	Extended	Infructescence	True	6606	6571	
628	Clerly2022-04-05	2022A	1	3	3	0	3	0	0	0	0	0	2	0	0	Extended	Infructescence/Half	False	6616	6571	
629	Clerly2022-04-05	2022A	1	1	3	0	3	0	0	10	10	0	2	0	0	Extended	Infructescence	True	6634	6571	
630	Clerly2022-04-05	2022A	1	2	2	0	2	0	0	5	5	0	1	0	0	Extended	Infructescence	True	6642	6571	
631	Clerly2022-04-05	2022A	1	3	4	0	4	0	0	6	1	0	3	0	0	Extended	Infructescence	True	6647	6571	
632	Clerly2022-04-05	2022A	1	4	1	3	4	0	0	0	0	0	4	0	0	Extended	Infructescence/Half	False	6656	6571	
633	Clerly2022-04-05	2022A	2	0	4	0	4	0	0	12	12	0	2	0	0	MainInfructescence	True	True	6676	6676	
634	Clerly2022-04-05	2022A	2	1	3	0	3	0	0	7	7	0	2	0	0	Brandied/Half	Flowers	True	6676	6676	
635	Clerly2022-04-05	2022A	2	2	2	0	2	0	0	5	5	0	1	0	0	Extended	Infructescence	True	6687	6676	

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phala	flow	etk	all	off	st	low	veg	ant	cia	fl	hyp	all	inf	win	stg	comple	depland	uled
636	Clery04-05	2022A	2	3	4	1	5	0	0	0	0	0	0	4	0	0	Extended	Inflor/H	bor	F	ely	669	8	676				
637	Clery04-05	2022A	2	1	3	0	3	0	0	4	4	0	2	0	0	Extended	Inflor	89					True	672	6	676		
638	Clery04-05	2022A	2	2	3	2	5	0	0	0	0	0	4	0	0	Extended	Inflor	C					True	672	6	676		
639	Clery04-05	2022A	3	0	4	0	4	0	0	0	0	0	1	0	0	Main	Inflor	comp					True	675	2	6751		
640	Clery04-05	2022A	3	1	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflor	89					True	675	6	6751		
641	Clery04-05	2022A	3	2	2	2	4	0	0	0	0	0	4	0	0	Extended	Inflor/H	bor	F	ely	676	8	6751					
642	Clery04-05	2022A	3	1	3	0	3	0	0	5	5	0	2	0	0	Branch	Inflor	89					True	677	8	6751		
643	Clery04-05	2022A	3	2	4	0	4	0	0	0	0	0	3	0	0	Extended	Inflor	55					True	678	6	6751		
644	Clery04-05	2022A	3	1	4	0	4	0	0	8	8	0	3	0	0	Extended	Inflor	89					True	681	6	6751		
645	Clery04-05	2022A	3	2	2	0	2	0	0	4	4	0	1	0	0	Extended	Inflor	89					True	682	2	6751		
646	Clery04-05	2022A	3	3	3	1	4	0	0	0	0	0	3	0	0	Extended	Inflor/H	bor	F	ely	682	6	6751					
647	Clery04-05	2022A	4	0	5	0	5	0	0	6	6	0	2	0	0	Main	Inflor	89					True	685	6	850		
648	Clery04-05	2022A	4	1	1	0	1	0	0	0	0	0	0	0	0	Branch	Inflor	C	OFER				True	685	6	850		
649	Clery04-05	2022A	4	1	3	0	3	0	0	0	0	0	2	0	0	Extended	Inflor	55					True	686	4	850		
650	Clery04-05	2022A	4	2	3	0	3	0	0	0	0	0	3	0	0	Extended	Inflor	E					True	687	2	850		
651	Clery04-05	2022A	5	0	5	0	5	0	0	0	0	0	2	0	0	Main	Inflor	comp					True	688	6	888		
652	Clery04-05	2022A	5	1	2	0	2	0	0	8	6	0	1	0	0	Branch	Inflor	89					True	689	7	888		

X	Genotype	type	mod	pl	ty	rd	ro	vis	bl	fol	at	qui	ho	ph	ha	fl	ov	ek	all	off	st	ov	ge	an	cia	fl	yp	all	h	h	win	st	com	ple	de	pl	nd	ul
687	Dars2022A-04-05	Dars2022A-04-05	2	2	3	0	3	0	0	8	8	0	2	0	0	Extended	Inflor	89	ende	True	724	7	215															
688	Dars2022A-04-05	Dars2022A-04-05	2	3	1	1	2	0	0	0	0	0	1	0	0	Extended	dried/aborted	Fell	724	7	215																	
689	Dars2022A-04-05	Dars2022A-04-05	3	0	7	0	7	0	0	14	14	0	4	0	0	Main	Inflor	89	ende	True	726	7	263															
690	Dars2022A-04-05	Dars2022A-04-05	3	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflor	89	ende	True	726	7	263															
691	Dars2022A-04-05	Dars2022A-04-05	3	2	1	0	1	0	0	6	6	0	0	0	0	Extended	Inflor	89	ende	True	727	7	263															
692	Dars2022A-04-05	Dars2022A-04-05	3	3	3	0	3	0	0	5	5	0	2	0	0	Extended	Inflor	89	ende	True	727	7	263															
693	Dars2022A-04-05	Dars2022A-04-05	3	4	1	1	2	0	0	0	0	0	2	0	0	Extended	dried/Fell	aborted	Fell	728	7	263																
694	Dars2022A-04-05	Dars2022A-04-05	3	1	2	0	2	0	0	5	5	0	1	0	0	Branch	Inflor	89	ende	True	730	7	263															
695	Dars2022A-04-05	Dars2022A-04-05	3	1	3	0	3	0	0	4	4	0	1	0	0	Extended	Inflor	89	ende	True	731	7	263															
696	Dars2022A-04-05	Dars2022A-04-05	3	2	2	0	2	0	0	0	0	0	2	0	0	Branch	dried/aborted	Fell	732	7	263																	
697	Dars2022A-04-05	Dars2022A-04-05	3	2	2	0	2	0	0	0	0	0	2	0	0	Extended	dried/aborted	Fell	733	7	263																	
698	Dars2022A-04-05	Dars2022A-04-05	4	0	3	0	3	0	0	0	0	0	1	0	0	Main	Inflor	89	ende	True	734	7	341															
699	Dars2022A-04-05	Dars2022A-04-05	4	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflor	89	ende	True	734	7	341															
700	Dars2022A-04-05	Dars2022A-04-05	4	2	3	0	3	0	0	4	4	0	1	0	0	Extended	Inflor	89	ende	True	735	7	341															
701	Dars2022A-04-05	Dars2022A-04-05	4	3	2	0	2	0	0	0	0	0	2	0	0	Branch	dried/aborted	Fell	735	7	341																	
702	Dars2022A-04-05	Dars2022A-04-05	4	3	3	1	4	0	0	0	0	0	4	0	0	Extended	dried/aborted	Fell	736	7	341																	
703	Dars2022A-04-05	Dars2022A-04-05	4	1	2	0	2	0	0	2	2	0	0	0	0	Extended	Inflor	89	ende	True	738	7	341															

X	Genotype	date	modality	plant_order	order	visible	flower_color	leaf_color	petal_color	sepal_color	stamen_color	ovary_color	fruit_color	seedling_color	initial_height	final_height	inflorescence_type	complete	planned	dield	
704	Dars	2022-04-05	A	4	2	1	2	3	0	0	0	0	3	0	0		Branchied/albor	Fed/cv	True	7385	341
705	Dars	2022-04-05	A	4	2	3	0	3	0	0	7	7	0	2	0	0	Extensiflor	scende	True	7397	341
706	Dars	2022-04-05	A	4	3	2	0	2	0	0	4	1	0	1	0	0	Extensiflor	scende	True	7405	341
707	Dars	2022-04-05	A	4	4	2	2	4	0	0	0	0	4	0	0		Extensiflor/Fbor	Fed/cv	True	7411	341
708	Dars	2022-04-05	A	5	0	4	0	4	0	0	0	0	2	0	0		MainInfloresc	compTe	True	7429	428
709	Dars	2022-04-05	A	5	1	1	0	1	0	0	9	9	0	0	0	0	Branchiflor	scende	True	7437	428
710	Dars	2022-04-05	A	5	2	1	0	1	0	0	6	6	0	0	0	0	Extensiflor	scende	True	7439	428
711	Dars	2022-04-05	A	5	3	3	0	3	0	0	0	0	3	0	0		Extensiflor	scende	True	7447	428
712	Dars	2022-04-05	A	5	1	2	0	2	0	0	10	10	0	1	0	0	Extensiflor	scende	True	7455	428
713	Dars	2022-04-05	A	5	2	3	0	3	0	0	10	8	0	2	0	0	Extensiflor	scende	True	7460	428
714	Dars	2022-04-05	A	5	3	1	0	1	0	0	0	0	0	1	0	0	Extensiflor/albor	Fed/cv	True	7468	428
715	Dreadn	2022-04-19	A	1	0	2	0	2	0	0	0	0	0	0	0	0	MainInfloresc	compTe	True	7477	476
716	Dreadn	2022-04-19	A	1	1	2	0	2	0	0	4	3	0	1	0	0	Branchiflor	scende	True	7479	476
717	Dreadn	2022-04-19	A	1	2	4	0	4	0	0	2	2	0	3	0	0	Extensiflor	scende	True	7484	476
718	Dreadn	2022-04-19	A	1	3	2	0	2	0	0	0	0	0	2	0	0	Extensiflor	scende	True	7495	476
719	Dreadn	2022-04-19	A	1	1	3	0	3	0	0	6	6	0	1	0	0	Extensiflor	scende	True	7506	476
720	Dreadn	2022-04-19	A	1	2	2	0	2	0	0	5	4	0	1	0	0	Branchiflor	scende	True	7517	476

X	Genotype	date	mode	plant	order	aro_vis	blef	coll	atq	oil	hop	ph	ha	flow	et	h	all	off	st	low	veg	ant	cia	fl	h	h	h	st	com	ple	de	pl	and	uled
721	Dread04-19	2022A	1	3	2	0	2	0	0	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722	Dread04-19	2022A	1	2	3	0	3	0	0	5	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
723	Dread04-19	2022A	1	3	3	0	3	0	0	3	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
724	Dread04-19	2022A	1	4	3	0	3	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
725	Dread04-19	2022A	1	5	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
726	Dread04-19	2022A	1	5	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
727	Dread04-19	2022A	2	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
728	Dread04-19	2022A	2	1	3	0	3	0	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
729	Dread04-19	2022A	2	2	2	2	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
730	Dread04-19	2022A	2	1	2	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
731	Dread04-19	2022A	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
732	Dread04-19	2022A	2	3	2	0	2	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
733	Dread04-19	2022A	2	4	3	0	3	0	0	4	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
734	Dread04-19	2022A	2	5	3	0	3	0	0	4	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
735	Dread04-19	2022A	2	6	3	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
736	Dread04-19	2022A	2	4	3	0	3	0	0	6	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
737	Dread04-19	2022A	2	5	3	0	3	0	0	3	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	modality	plant	order	ro_	visible	foliar	leaf	petiole	intra	phloem	flow	total	for	stems	long	seta	initial	floral	pub	infr	stigma	comple	pland	ulid
738	Dread2022A-04-19		2	6	3	0	3	0	0	0	0	0	2	0	0		Extens	Inflor	89		True	7669	7572		
739	Dread2022A-04-19		2	3	6	0	6	0	0	0	0	0	4	0	0		Extens	Inflor	89		True	7693	7572		
740	Dread2022A-04-19		2	4	2	0	2	0	0	6	5	0	1	0	0		Branch	Inflor	89		True	7707	7572		
741	Dread2022A-04-19		2	5	3	0	3	0	0	2	2	0	2	0	0		Extens	Inflor	89		True	7712	7572		
742	Dread2022A-04-19		2	6	1	0	1	0	0	0	0	0	1	0	0		Extens	rior/H	bor	Fed	scu	7726	7572		
743	Dread2022A-04-19		2	4	2	0	2	0	0	0	2	0	1	0	0		Extens	Inflor	89		True	7728	7572		
744	Dread2022A-04-19		2	5	3	0	3	0	0	0	0	0	2	0	0		Extens	Inflor	89		True	7733	7572		
745	Dread2022A-04-19		2	6	1	0	1	0	0	0	0	0	1	0	0		Extens	rior/H	bor	Fed	scu	7746	7572		
746	Dread2022A-04-19		3	0	4	0	4	0	0	12	10	0	2	0	0		Main	Inflor	89		True	7753	7752		
747	Dread2022A-04-19		3	1	2	0	2	0	0	6	5	0	0	0	0		Branch	Inflor	89		True	7767	7752		
748	Dread2022A-04-19		3	2	2	0	2	0	0	3	2	0	1	0	0		Branch	Inflor	89		True	7763	7752		
749	Dread2022A-04-19		3	3	2	0	2	0	0	3	0	0	1	0	0		Extens	Inflor	60		True	7768	7752		
750	Dread2022A-04-19		3	4	1	1	2	0	0	0	0	0	2	0	0		Extens	rior/51	bor	Fed	scu	7773	7752		
751	Dread2022A-04-19		3	2	2	1	3	0	0	0	0	0	3	0	0		Extens	rior/H	bor	Fed	scu	7784	7752		
752	Dread2022A-04-19		3	1	2	0	2	0	0	5	4	0	1	0	0		Extens	Inflor	89		True	7797	7752		
753	Dread2022A-04-19		3	2	1	0	1	0	0	4	4	0	0	0	0		Extens	Inflor	89		True	7802	7752		
754	Dread2022A-04-19		3	3	3	0	3	0	0	6	1	0	2	0	0		Extens	Inflor	51		True	7804	7752		

X	Genotype	modality	plant_order	order_	visible	flower_color	petal_color	sepal_color	petal_shape	sepal_shape	flower_size	leaf_size	stem_size	seedling_size	initial_height	final_height	inflorescence_type	seedling_status	complete_plant	diseased	
755	Dreadnought-19	2022A	3	4	1	1	2	0	0	0	0	0	2	0	0	Extended/Borderline	Inflorescence	Fed/cultured	True	7817	752
756	Dreadnought-19	2022A	4	0	9	0	9	0	0	14	13	0	6	0	0	Main	Inflorescence	True	7827	7824	
757	Dreadnought-19	2022A	4	1	4	0	4	0	0	5	5	0	2	0	0	Branch	Inflorescence	True	7827	7824	
758	Dreadnought-19	2022A	4	2	2	0	2	0	0	3	2	0	1	0	0	Branch	Inflorescence	True	7837	7824	
759	Dreadnought-19	2022A	4	3	2	0	2	0	0	2	0	0	1	0	0	Extended	Inflorescence	True	7847	7824	
760	Dreadnought-19	2022A	4	2	3	0	3	0	0	2	2	0	2	0	0	Extended	Inflorescence	True	7857	7824	
761	Dreadnought-19	2022A	4	3	3	0	3	0	0	2	1	0	2	0	0	Extended	Inflorescence	True	7867	7824	
762	Dreadnought-19	2022A	4	4	2	0	2	0	0	0	0	0	1	0	0	Extended	Inflorescence	True	7877	7824	
763	Dreadnought-19	2022A	4	1	5	0	5	0	0	4	2	0	3	0	0	Branch	Inflorescence	True	7897	7824	
764	Dreadnought-19	2022A	4	2	1	0	1	0	0	8	6	0	0	0	0	Branch	Inflorescence	True	7897	7824	
765	Dreadnought-19	2022A	4	3	3	0	3	0	0	3	0	0	2	0	0	Extended	Inflorescence	True	7907	7824	
766	Dreadnought-19	2022A	4	4	1	1	2	0	0	0	0	0	2	0	0	Extended/Borderline	Inflorescence	Fed/cultured	True	7907	7824
767	Dreadnought-19	2022A	4	2	3	0	3	0	0	2	1	0	2	0	0	Extended	Inflorescence	True	7927	7824	
768	Dreadnought-19	2022A	4	3	2	0	2	0	0	0	0	0	1	0	0	Extended	Inflorescence	True	7937	7824	
769	Dreadnought-19	2022A	4	1	2	0	2	0	0	3	3	0	1	0	0	Branch	Inflorescence	True	7967	7824	
770	Dreadnought-19	2022A	4	2	2	0	2	0	0	4	3	0	1	0	0	Extended	Inflorescence	True	7967	7824	
771	Dreadnought-19	2022A	4	3	2	1	3	0	0	0	0	0	3	0	0	Extended/Borderline	Inflorescence	Fed/cultured	True	7977	7824

X	Genotype	climmod	plant	order	aro_vis	le_fol	lat_q	oil_h	ph_h	h_h	flower	h_h	oil_h	st_h	veg	ant	cia	fl	h_h	inf	st	com	ple	pland	uled
789	garig2022A-04-05		2	2	3	0	3	0	0	6	0	0	2	0	0			Extended	Inflores	60	True	8218	121		
790	garig2022A-04-05		3	0	9	0	9	0	0	4	4	0	6	0	0			Main	Inflores	89	True	8248	247		
791	garig2022A-04-05		3	1	2	0	2	0	0	5	5	0	1	0	0			Branch	Inflores	89	True	8268	247		
792	garig2022A-04-05		3	2	1	0	1	0	0	0	0	0	1	0	0			Extended	Inflores	ab	True	8273	247		
793	garig2022A-04-05		3	1	1	0	1	0	0	3	3	0	1	0	0			Branch	Inflores	89	True	8288	247		
794	garig2022A-04-05		3	1	2	0	2	0	0	5	5	0	1	0	0			Extended	Inflores	89	True	8288	247		
795	garig2022A-04-05		3	2	5	0	5	0	0	6	0	0	4	0	0			Extended	Inflores	60	True	8298	247		
796	garig2022A-04-05		3	3	3	0	3	0	0	0	0	0	3	0	0			Branch	died/El	bor	Fall	8308	247		
797	garig2022A-04-05		4	0	12	0	12	0	0	18	0	0	8	0	0			Main	Inflores	89	True	8328	319		
798	garig2022A-04-05		4	1	5	0	5	0	0	5	0	0	3	0	0			Branch	Inflores	89	True	8328	319		
799	garig2022A-04-05		4	2	1	0	1	0	0	10	0	0	0	0	0			Branch	Inflores	89	True	8338	319		
800	garig2022A-04-05		4	3	1	0	1	0	0	0	0	0	1	0	0			Extended	Inflores	ab	True	8338	319		
801	garig2022A-04-05		4	1	3	0	3	0	0	8	0	0	1	0	0			Branch	Inflores	89	True	8368	319		
802	garig2022A-04-05		4	2	2	1	3	0	0	0	0	0	3	0	0			Branch	died/ab	bor	Fall	8368	319		
803	garig2022A-04-05		4	2	2	0	2	0	0	5	0	0	1	0	0			Extended	Inflores	89	True	8378	319		
804	garig2022A-04-05		4	3	1	2	3	0	0	0	0	0	3	0	0			Extended	died/El	bor	Fall	8388	319		
805	garig2022A-04-05		4	1	3	0	3	0	0	10	0	0	2	0	0			Branch	Inflores	89	True	8418	319		

X	Genotype	phenology	plant height	order	visible	flower color	leaf color	petal color	sepal color	fruit color	seed color	seed shape	seed size	seed weight	seed volume	seed density	seed viability	seed germination	seedling growth	seedling survival
806	garig2022A-04-05	Ladu04-19	4	2	2	1	3	0	0	0	0	0	3	0	0	External inflorescence	Red	8428	319	
807	garig2022A-04-05	Ladu04-19	4	1	2	0	2	0	0	8	0	0	1	0	0	External inflorescence	True	8438	319	
808	garig2022A-04-05	Ladu04-19	4	2	2	1	3	0	0	0	0	0	2	0	0	External inflorescence	False	8444	319	
809	garig2022A-04-05	Ladu04-19	5	0	8	0	8	0	0	22	0	0	6	0	0	Main inflorescence	True	8464	463	
810	garig2022A-04-05	Ladu04-19	5	1	3	0	3	0	0	7	0	0	2	0	0	Branch inflorescence	True	8484	463	
811	garig2022A-04-05	Ladu04-19	5	1	2	0	2	0	0	8	0	0	1	0	0	External inflorescence	True	8508	463	
812	garig2022A-04-05	Ladu04-19	5	2	1	1	2	0	0	0	0	0	1	0	0	External inflorescence	False	8518	463	
813	garig2022A-04-05	Ladu04-19	6	0	14	0	14	0	0	6	6	0	10	0	0	Main inflorescence	True	8528	526	
814	garig2022A-04-05	Ladu04-19	6	1	2	0	2	0	0	0	0	0	1	0	0	Branch inflorescence	True	8558	526	
815	garig2022A-04-05	Ladu04-19	6	2	3	0	3	0	0	12	6	0	3	0	0	External inflorescence	True	8568	526	
816	garig2022A-04-05	Ladu04-19	6	1	2	0	2	0	0	6	4	0	1	0	0	Branch inflorescence	True	8574	526	
817	garig2022A-04-05	Ladu04-19	6	2	3	0	3	0	0	3	0	0	2	0	0	External inflorescence	True	8578	526	
818	garig2022A-04-05	Ladu04-19	6	1	2	0	2	0	0	5	5	0	2	0	0	Branch inflorescence	True	8608	526	
819	garig2022A-04-05	Ladu04-19	6	1	2	0	2	0	0	5	5	0	2	0	0	Branch inflorescence	True	8618	526	
820	Leroy2022A-04-19	Ladu04-19	1	0	1	0	1	0	0	0	0	0	0	0	0	Main inflorescence	True	8623	622	
821	Leroy2022A-04-19	Ladu04-19	1	1	5	0	5	0	0	12	9	0	3	0	0	External inflorescence	True	8628	622	
822	Leroy2022A-04-19	Ladu04-19	1	2	3	0	3	0	0	8	7	0	3	0	0	Branch inflorescence	True	8638	622	

X	Genotype	date	mode	plant	order	aro_vis	blef	coll	at	qui	hops	haha	flow	et	h	off	st	low	veg	an	cia	fl	h	h	wh	st	com	ple	de	pl	and	uled		
823	Leroy	2022A	01	1	3	3	5	8	0	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
824	Leroy	2022A	01	1	2	4	0	4	0	0	7	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
825	Leroy	2022A	01	1	3	5	5	10	0	0	0	0	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
826	Leroy	2022A	01	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
827	Leroy	2022A	01	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
828	Leroy	2022A	01	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829	Leroy	2022A	01	2	3	5	0	5	0	0	17	12	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
830	Leroy	2022A	01	2	4	7	4	11	0	0	0	0	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
831	Leroy	2022A	01	2	4	3	0	3	0	0	11	5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
832	Leroy	2022A	01	2	5	3	4	7	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
833	Leroy	2022A	01	3	0	7	0	7	0	0	13	13	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
834	Leroy	2022A	01	3	1	8	4	12	0	0	0	0	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
835	Leroy	2022A	01	3	1	4	0	4	0	0	7	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
836	Leroy	2022A	01	3	2	4	4	8	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
837	Leroy	2022A	01	3	1	4	0	4	0	0	12	7	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
838	Leroy	2022A	01	3	2	4	4	8	0	0	0	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
839	Leroy	2022A	01	4	0	12	0	12	0	0	19	19	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	Year	Modality	Plant	Order	Flower	Visible	Foliage	Leaves	Trunk	Height	Flowers	Stems	Color	Stems	Initial	Height	Flowers	Stems	Complete	Plant	Used
840	Leroy-Ladurie-19	2022A	4	1	7	0	7	0	0	11	5	3	4	0	0	Branch	Inflor	89	True	8943	8940	
841	Leroy-Ladurie-19	2022A	4	2	2	4	6	0	0	0	0	0	6	0	0	Extens	vegeta	17	False	8963	8940	
842	Leroy-Ladurie-19	2022A	4	1	5	5	10	0	0	0	0	4	6	0	0	Branch	vegeta	17	False	8983	8940	
843	Leroy-Ladurie-19	2022A	4	1	5	0	5	0	0	13	8	0	5	0	0	Branch	Inflor	89	True	9033	8940	
844	Leroy-Ladurie-19	2022A	4	2	3	4	7	0	0	0	0	0	7	0	0	Extens	vegeta	17	False	9047	8940	
845	Leroy-Ladurie-19	2022A	4	1	9	4	13	0	0	0	0	4	9	0	0	Branch	vegeta	17	False	9072	8940	
846	Leroy-Ladurie-19	2022A	4	1	2	0	2	0	0	11	6	0	2	0	0	Branch	Inflor	89	True	9117	8940	
847	Leroy-Ladurie-19	2022A	4	2	4	3	7	0	0	0	0	0	7	0	0	Extens	vegeta	17	False	9122	8940	
848	Leroy-Ladurie-19	2022A	4	1	4	0	4	0	0	13	9	1	2	0	0	Extens	Inflor	89	True	9147	8940	
849	Leroy-Ladurie-19	2022A	4	2	4	3	7	0	0	0	0	0	7	0	0	Extens	dried / Clon	6 / 9	False	9158	8940	
850	Leroy-Ladurie-19	2022A	4	0	9	0	9	0	0	12	12	2	4	0	0	Main	Inflor	55	True	9184	9183	
851	Leroy-Ladurie-19	2022A	4	1	9	0	9	0	0	0	0	4	4	0	0	Branch	vegeta	17	False	9186	9183	
852	Leroy-Ladurie-19	2022A	4	1	1	0	1	0	0	15	9	0	1	0	0	Branch	Inflor	55	True	9216	9183	
853	Leroy-Ladurie-19	2022A	4	2	7	2	9	0	0	0	0	0	9	0	0	Extens	vegeta	17	False	9218	9183	
854	Leroy-Ladurie-19	2022A	4	1	3	0	3	0	0	0	0	1	2	0	0	Branch	Inflor	55	True	9259	9183	
855	Leroy-Ladurie-19	2022A	4	2	5	2	7	0	0	0	0	2	5	0	0	Extens	vegeta	17	False	9266	9183	
856	Leroy-Ladurie-19	2022A	4	1	4	0	4	0	0	9	3	1	3	0	0	Extens	Inflor	55	True	9297	9183	

X	Genotype	clim	mod	pl	ord	aro	vis	fol	lat	qui	hor	ph	ha	flow	ht	all	off	st	low	veg	an	cia	fl	hy	all	inf	win	str	com	ple	pl	du		
874	Magnolia 04-11	2022A	2	1	6	1	7	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	Branch	died	/	ab	on	F	95	5	5
875	Magnolia 04-11	2022A	2	1	2	0	2	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	Branch	Inflores			True	95	8	5	5	
876	Magnolia 04-11	2022A	2	2	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	Branch	died	/	ab	on	F	95	8	5	5	
877	Magnolia 04-11	2022A	2	2	3	2	5	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	Extended	died	/	ab	on	F	95	9	5	5	
878	Magnolia 04-11	2022A	2	1	2	0	2	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	Branch	Inflores			True	96	0	5	5		
879	Magnolia 04-11	2022A	2	2	3	3	6	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	Branch	died	/	ab	on	F	96	1	5	5	
880	Magnolia 04-11	2022A	2	2	3	0	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	Extended	Inflores			True	96	3	5	5		
881	Magnolia 04-11	2022A	2	1	7	0	7	0	0	10	10	0	5	0	0	0	0	0	0	0	0	0	0	Extended	Inflores			True	96	5	5	5		
882	Magnolia 04-11	2022A	2	2	4	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	Branch	died	/	ab	on	F	96	7	5	5	
883	Magnolia 04-11	2022A	2	2	3	2	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	Extended	died	/	ab	on	F	96	8	5	5	
884	Magnolia 04-11	2022A	3	0	7	0	7	0	0	9	9	0	4	0	0	0	0	0	0	0	0	0	0	Main	Inflores			True	97	0	7	05		
885	Magnolia 04-11	2022A	3	1	1	0	1	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	Branch	Inflores			True	97	0	7	05		
886	Magnolia 04-11	2022A	3	2	3	1	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	Extended	Inflores			True	97	1	7	05		
887	Magnolia 04-11	2022A	3	1	2	0	2	0	0	6	6	0	1	0	0	0	0	0	0	0	0	0	0	Branch	Inflores			True	97	3	7	05		
888	Magnolia 04-11	2022A	3	2	2	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	Extended	Inflores			True	97	4	7	05		
889	Magnolia 04-11	2022A	3	1	3	0	3	0	0	6	6	0	2	0	0	0	0	0	0	0	0	0	0	Extended	Inflores			True	97	5	7	05		
890	Magnolia 04-11	2022A	3	2	2	0	2	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	Extended	Inflores			True	97	6	7	05		

X	Genotype	date	mode	plant	order	o_vis	o_fol	o_av	o_q	o_h	o_p	o_ha	o_ho	o_k	o_f	o_s	o_vg	o_a	o_i	o_f	o_h	o_w	o_s	o_c	o_p	o_d	o_u
891	Magnolia	2022-04-11	A	4	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	Main	Inflor.	89	True	977	977		
892	Magnolia	2022-04-11	A	4	1	6	0	6	0	0	5	0	0	5	0	0	0	0	0	Branch	Inflor.	60	True	978	977		
893	Magnolia	2022-04-11	A	4	2	1	2	3	0	0	0	0	0	3	0	0	0	0	0	Extended	Inflor./Cl	60	False	979	977		
894	Magnolia	2022-04-11	A	4	1	1	0	1	0	0	7	7	0	0	0	0	0	0	0	Branch	Inflor.	89	True	981	977		
895	Magnolia	2022-04-11	A	4	2	4	0	4	0	0	7	0	0	3	0	0	0	0	0	Extended	Inflor.	60	True	981	977		
896	Magnolia	2022-04-11	A	4	1	2	0	2	0	0	3	3	0	1	0	0	0	0	0	Branch	Inflor.	89	True	983	977		
897	Magnolia	2022-04-11	A	4	2	3	2	5	0	0	0	0	0	5	0	0	0	0	0	Extended	Inflor./El	60	False	983	977		
898	Magnolia	2022-04-11	A	4	1	4	0	4	0	0	15	15	0	2	0	0	0	0	0	Extended	Inflor.	89	True	985	977		
899	Magnolia	2022-04-11	A	4	2	3	2	5	0	0	0	0	0	5	0	0	0	0	0	Branch	Inflor./El	60	False	986	977		
900	Magnolia	2022-04-11	A	4	2	2	0	2	0	0	7	7	0	1	0	0	0	0	0	Extended	Inflor.	89	True	988	977		
901	Magnolia	2022-04-11	A	4	3	3	2	5	0	0	0	0	0	5	0	0	0	0	0	Extended	Inflor./Cl	60	False	988	977		
902	Magnolia	2022-04-11	A	5	0	6	0	6	0	0	10	10	0	1	0	0	0	0	0	Main	Inflor.	89	True	991	909		
903	Magnolia	2022-04-11	A	5	1	4	0	4	0	0	0	0	0	4	0	0	0	0	0	Branch	Inflor./Cl	60	False	991	909		
904	Magnolia	2022-04-11	A	5	1	1	0	1	0	0	3	3	0	0	0	0	0	0	0	Branch	Inflor.	89	True	993	909		
905	Magnolia	2022-04-11	A	5	2	1	2	3	0	0	0	0	0	3	0	0	0	0	0	Extended	Inflor./El	60	False	993	909		
906	Magnolia	2022-04-11	A	5	1	1	0	1	0	0	6	6	0	0	0	0	0	0	0	Branch	Inflor.	89	True	994	909		
907	Magnolia	2022-04-11	A	5	2	4	0	4	0	0	0	0	0	4	0	0	0	0	0	Extended	Inflor.	89	True	994	909		

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phell	phell	flower	chall	off	st	down	veget	an	cia	fl	ph	inf	win	st	com	ple	de	pl	and	ul
993	Osiris	2022A	1	1	4	0	4	0	0	3	0	0	3	0	0	Branch	Inflores	60	cm	True	108	10	833							
		04-11																												
994	Osiris	2022A	1	1	3	0	3	0	0	0	0	0	2	0	0	Extens	Inflores	60	cm	True	108	14	833							
		04-11																												
995	Osiris	2022A	2	0	8	0	8	0	0	9	9	0	2	0	0	Main	Inflores	80	cm	True	109	10	899							
		04-11																												
996	Osiris	2022A	2	1	2	0	2	0	0	0	0	0	2	0	0	Branch	died/aborted	Fell	109	10	899									
		04-11																												
997	Osiris	2022A	2	1	1	0	1	0	0	10	10	0	0	0	0	Branch	Inflores	80	cm	True	109	14	899							
		04-11																												
998	Osiris	2022A	2	2	3	0	3	0	0	11	7	0	2	0	0	Extens	Inflores	80	cm	True	109	16	899							
		04-11																												
999	Osiris	2022A	2	3	2	1	3	0	0	0	0	0	3	0	0	Extens	died/aborted	Fell	109	14	899									
		04-11																												
1000	Osiris	2022A	2	1	3	0	3	0	0	7	7	0	1	0	0	Branch	Inflores	80	cm	True	109	18	899							
		04-11																												
1001	Osiris	2022A	2	2	3	0	3	0	0	5	2	0	2	0	0	Branch	Inflores	71	cm	True	109	40	899							
		04-11																												
1002	Osiris	2022A	2	3	1	0	1	0	0	0	0	0	1	0	0	Extens	Inflores	55	cm	True	109	48	899							
		04-11																												
1003	Osiris	2022A	2	2	3	0	3	0	0	5	1	0	2	0	0	Extens	Inflores	71	cm	True	109	18	899							
		04-11																												
1004	Osiris	2022A	2	3	2	0	2	0	0	0	0	0	2	0	0	Extens	died/aborted	Fell	109	16	899									
		04-11																												
1005	Osiris	2022A	2	1	2	0	2	0	0	0	0	0	2	0	0	Branch	died/aborted	Fell	109	17	899									
		04-11																												
1006	Osiris	2022A	2	1	3	0	3	0	0	10	5	0	2	0	0	Branch	Inflores	80	cm	True	109	16	899							
		04-11																												
1007	Osiris	2022A	2	2	2	0	2	0	0	0	0	0	2	0	0	Extens	died/aborted	Fell	109	14	899									
		04-11																												
1008	Osiris	2022A	2	1	3	0	3	0	0	9	5	0	2	0	0	Extens	Inflores	80	cm	True	110	17	899							
		04-11																												
1009	Osiris	2022A	2	2	1	1	2	0	0	0	0	0	2	0	0	Extens	died/aborted	Fell	110	14	899									
		04-11																												

X	Genotype	year	modality	plant_order	root_order	visible	foliar	flower	fruit	petiole	inflorescence	flower_color	fruit_color	seed_color	initial	final	phenology	inflorescence	seed	complete	planned	collected
1010	Osiris	2022A	3	0	3	0	3	0	0	0	0	0	1	0	0		MainInflorescence	89	True	1102	1025	
1011	Osiris	2022A	3	1	4	0	4	0	0	8	8	0	2	0	0		BranchInflorescence	89	True	1103	1025	
1012	Osiris	2022A	3	2	4	0	4	0	0	5	1	0	3	0	0		BranchInflorescence	74	True	1103	1025	
1013	Osiris	2022A	3	2	3	0	3	0	0	7	2	0	2	0	0		ExtensionInflorescence	74	True	1106	1025	
1014	Osiris	2022A	3	3	1	1	2	0	0	0	0	0	2	0	0		ExtensionInflorescence	74	True	1108	1025	
1015	Osiris	2022A	3	1	6	0	6	0	0	13	13	0	4	0	0		ExtensionInflorescence	89	True	1107	1025	
1016	Osiris	2022A	3	2	3	0	3	0	0	7	3	0	2	0	0		BranchInflorescence	89	True	1109	1025	
1017	Osiris	2022A	3	3	1	1	2	0	0	0	0	0	2	0	0		ExtensionInflorescence	74	True	1110	1025	
1018	Osiris	2022A	3	2	3	0	3	0	0	10	6	0	2	0	0		ExtensionInflorescence	89	True	1111	1025	
1019	Osiris	2022A	3	3	2	2	4	0	0	0	0	0	4	0	0		ExtensionInflorescence	74	True	1114	1025	
1020	Osiris	2022A	4	0	6	0	6	0	0	0	0	0	1	0	0		MainInflorescence	89	True	1113	1136	
1021	Osiris	2022A	4	1	5	0	5	0	0	9	9	0	4	0	0		BranchInflorescence	89	True	1114	1136	
1022	Osiris	2022A	4	2	3	0	3	0	0	7	3	0	2	0	0		ExtensionInflorescence	89	True	1115	1136	
1023	Osiris	2022A	4	3	2	1	3	0	0	0	0	0	3	0	0		ExtensionInflorescence	74	True	1116	1136	
1024	Osiris	2022A	4	1	3	0	3	0	0	9	5	0	2	0	0		BranchInflorescence	89	True	1117	1136	
1025	Osiris	2022A	4	2	2	2	4	0	0	0	0	0	4	0	0		ExtensionInflorescence	74	True	1118	1136	
1026	Osiris	2022A	4	1	3	0	3	0	0	5	5	0	1	0	0		BranchInflorescence	89	True	1120	1136	

X	Genotype	date	modality	plant_order	dro_visible	foliage	leaves	petioles	inflorescence	flowers	calyxes	stamens	ovary	seeds	tissue	initial_dry_weight	final_dry_weight	status	complete	planned	yield	
1027	Osiro	2022-04-11	A	4	2	3	1	4	0	0	0	0	0	4	0	0	Branch	dried/Ebor	Fed/sec	11267	136	
1028	Osiro	2022-04-11	A	4	2	4	2	6	0	0	0	0	6	0	0	Extension	dried/Ebor	Fed/sec	11268	136		
1029	Osiro	2022-04-11	A	4	1	4	0	4	0	0	10	10	0	1	0	0	Branch	Inflor.	89	True	11244	136
1030	Osiro	2022-04-11	A	4	2	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflor.	89	True	11246	136
1031	Osiro	2022-04-11	A	4	3	1	2	3	0	0	0	0	0	3	0	0	Extension	dried/Ebor	Fed/sec	11251	136	
1032	Osiro	2022-04-11	A	4	2	2	0	2	0	0	0	0	0	2	0	0	Branch	died/albort	Fed/sec	11267	136	
1033	Osiro	2022-04-11	A	4	2	3	0	3	0	0	0	7	0	2	0	0	Extension	Inflor.	89	True	11270	136
1034	Osiro	2022-04-11	A	4	3	3	0	3	0	0	0	0	0	2	0	0	Extension	Inflor.	55	True	11284	136
1035	Osiro	2022-04-11	A	4	1	3	0	3	0	0	8	8	0	2	0	0	Extension	Inflor.	89	True	11304	136
1036	Osiro	2022-04-11	A	4	2	3	0	3	0	0	6	4	0	2	0	0	Extension	Inflor.	89	True	11312	136
1037	Osiro	2022-04-11	A	4	3	2	1	3	0	0	0	0	0	3	0	0	Extension	dried/Ebor	Fed/sec	11320	136	
1038	Osiro	2022-04-11	A	5	0	12	0	12	0	0	11	10	0	7	0	0	Main	Inflor.	89	True	11335	334
1039	Osiro	2022-04-11	A	5	1	2	0	2	0	0	5	5	0	1	0	0	Branch	Inflor.	89	True	11340	334
1040	Osiro	2022-04-11	A	5	2	1	0	1	0	0	0	0	0	1	0	0	Extension	dried/Ebor	Fed/sec	11345	334	
1041	Osiro	2022-04-11	A	5	1	3	0	3	0	0	10	10	0	1	0	0	Branch	Inflor.	89	True	11355	334
1042	Osiro	2022-04-11	A	5	2	2	0	2	0	0	0	0	0	2	0	0	Branch	Inflor.	aborted	True	11360	334
1043	Osiro	2022-04-11	A	5	2	3	0	3	0	0	3	0	0	2	0	0	Extension	Inflor.	60	True	11369	334

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phell	phell	flower	hark	off	st	low	veg	ant	cia	fl	ph	inf	win	stg	comple	de	pland	uled
1044	Osiris	2022A	5	1	1	0	1	0	0	0	0	0	0	0	1	0	0	Branch	died/aborted	Fall	89	True	Fall	cut	138	1334		
		04-11																										
1045	Osiris	2022A	5	1	4	0	4	0	0	7	5	0	3	0	0	0	0	Branch	Inflores	89	True	Fall	cut	143	1334			
		04-11																										
1046	Osiris	2022A	5	2	1	1	2	0	0	0	0	0	2	0	0	0	0	Extended	died/aborted	Fall	89	True	Fall	cut	144	1334		
		04-11																										
1047	Osiris	2022A	5	1	3	0	3	0	0	10	5	0	2	0	0	0	0	Extended	Inflores	89	True	Fall	cut	147	1334			
		04-11																										
1048	Osiris	2022A	5	2	3	0	3	0	0	0	0	0	3	0	0	0	0	Extended	died/aborted	Fall	89	True	Fall	cut	145	1334		
		04-11																										
1049	Osiris	2022A	6	0	3	0	3	0	0	0	0	0	0	0	0	0	0	Main	Inflores	complete	89	True	Fall	cut	149	1448		
		04-11																										
1050	Osiris	2022A	6	1	4	0	4	0	0	4	4	0	2	0	0	0	0	Branch	Inflores	89	True	Fall	cut	151	1448			
		04-11																										
1051	Osiris	2022A	6	2	2	3	5	0	0	0	0	0	5	0	0	0	0	Branch	died/aborted	Fall	89	True	Fall	cut	150	1448		
		04-11																										
1052	Osiris	2022A	6	2	2	0	2	0	0	2	0	0	1	0	0	0	0	Extended	Inflores	60	True	Fall	cut	157	1448			
		04-11																										
1053	Osiris	2022A	6	1	4	0	4	0	0	10	10	0	3	0	0	0	0	Branch	Inflores	89	True	Fall	cut	143	1448			
		04-11																										
1054	Osiris	2022A	6	2	3	0	3	0	0	3	0	0	2	0	0	0	0	Extended	Inflores	60	True	Fall	cut	150	1448			
		04-11																										
1055	Osiris	2022A	6	1	2	0	2	0	0	0	0	0	0	0	0	0	0	Extended	Inflores	complete	89	True	Fall	cut	153	1448		
		04-11																										
1056	Osiris	2022A	6	2	5	0	5	0	0	8	7	0	4	0	0	0	0	Branch	Inflores	89	True	Fall	cut	155	1448			
		04-11																										
1057	Osiris	2022A	6	3	1	1	2	0	0	0	0	0	2	0	0	0	0	Extended	died/aborted	Fall	89	True	Fall	cut	156	1448		
		04-11																										
1058	Osiris	2022A	6	2	6	0	6	0	0	11	11	0	4	0	0	0	0	Extended	Inflores	89	True	Fall	cut	154	1448			
		04-11																										
1059	Osiris	2022A	6	3	3	0	3	0	0	6	5	0	2	0	0	0	0	Branch	Inflores	89	True	Fall	cut	153	1448			
		04-11																										
1060	Osiris	2022A	6	4	1	2	3	0	0	0	0	0	3	0	0	0	0	Extended	died/aborted	Fall	89	True	Fall	cut	157	1448		
		04-11																										

X	Genotype	date	modality	plant	order	visible	flower	petal	petal	petal	flower	cal	flower	color	vegetative	initial	floral	inflorescence	complete	planned
1060	Osiri-04-11	2022A	6	3	3	0	3	0	0	5	3	0	2	0	0	Extensior	Inflorescence	True	11584448	
1062	Osiri-04-11	2022A	6	4	2	1	3	0	0	0	0	0	3	0	0	Extensior	Inflorescence	False	11584448	
1063	Rubi-04-19	2022A	1	0	1	0	1	0	0	0	0	0	0	0	0	MainInflorescence	True	11608607		
1064	Rubi-04-19	2022A	1	1	1	0	1	0	0	0	0	0	0	0	0	Extensior	Inflorescence	True	11610607	
1065	Rubi-04-19	2022A	1	2	1	0	1	0	0	0	0	0	0	0	0	Extensior	Inflorescence	True	11612607	
1066	Rubi-04-19	2022A	1	3	2	0	2	0	0	0	0	0	1	0	0	Extensior	Inflorescence	True	11614607	
1067	Rubi-04-19	2022A	1	4	6	0	6	0	0	15	15	0	4	0	0	Extensior	Inflorescence	True	11619607	
1068	Rubi-04-19	2022A	1	5	8	0	8	0	0	3	0	0	8	0	0	BranchInflorescence	True	11633607		
1069	Rubi-04-19	2022A	1	6	1	2	3	0	0	0	0	0	3	0	0	Extensior	Inflorescence	False	11650607	
1070	Rubi-04-19	2022A	1	5	4	0	4	0	0	5	5	0	4	0	0	Extensior	Inflorescence	True	11669607	
1071	Rubi-04-19	2022A	1	6	4	3	7	0	0	0	0	0	7	0	0	Extensior	Inflorescence	False	11680607	
1072	Rubi-04-19	2022A	2	0	7	0	7	0	0	14	14	0	6	0	0	MainInflorescence	True	11710709		
1073	Rubi-04-19	2022A	2	1	1	0	1	0	0	0	0	0	0	0	0	Extensior	Inflorescence	True	11730709	
1074	Rubi-04-19	2022A	2	2	2	0	2	0	0	0	0	0	0	0	0	Extensior	Inflorescence	True	11732709	
1075	Rubi-04-19	2022A	2	3	2	0	2	0	0	0	0	1	1	0	0	BranchInflorescence	True	11741709		
1076	Rubi-04-19	2022A	2	3	1	0	1	0	0	20	13	0	0	0	0	Extensior	Inflorescence	True	11743709	
1077	Rubi-04-19	2022A	2	4	5	1	6	0	0	0	0	1	4	0	0	Extensior	Inflorescence	True	11745709	

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phlo	phlo	flow	etk	all	off	st	low	veg	an	cia	fl	ph	inf	wh	stg	comple	de	land	uled
1078	Rubis	2022A	3	0	3	0	3	0	0	9	9	0	2	0	0	Main	Inflor	89	0	0	0	0	0	0	0	True	11773	1772	
	04-19																												
1079	Rubis	2022A	3	1	4	0	4	0	0	10	7	1	2	0	0	Exten	Inflor	89	0	0	0	0	0	0	0	True	11781	1772	
	04-19																												
1080	Rubis	2022A	3	2	7	6	13	0	0	0	0	1	12	0	0	Exten	dioid/H	10	0	Fel	sc	cul	702	0	0	True	11792	1772	
	04-19																												
1081	Rubis	2022A	4	0	2	0	2	0	0	0	0	0	1	0	0	Main	Inflor	89	0	0	0	0	0	0	0	True	11830	1835	
	04-19																												
1082	Rubis	2022A	4	1	3	0	3	0	0	13	13	0	2	0	0	Exten	Inflor	89	0	0	0	0	0	0	0	True	11841	1835	
	04-19																												
1083	Rubis	2022A	4	2	3	0	3	0	0	7	2	0	2	0	0	Exten	Inflor	71	0	0	0	0	0	0	0	True	11849	1835	
	04-19																												
1084	Rubis	2022A	4	3	3	0	3	0	0	0	0	0	3	0	0	Exten	dioid/G	10	0	Fel	sc	cul	702	0	0	True	11857	1835	
	04-19																												
1085	Sani	2022A	1	0	4	0	4	0	0	8	8	0	1	0	0	Main	Inflor	89	0	0	0	0	0	0	0	True	11872	1871	
	04-19																												
1086	Sani	2022A	1	1	2	0	2	0	0	0	0	0	0	0	0	Branch	Inflor	89	0	0	0	0	0	0	0	True	11874	1871	
	04-19																												
1087	Sani	2022A	1	2	4	0	4	0	0	0	0	0	4	0	0	Branch	dioid/H	10	0	Fel	sc	cul	702	0	0	True	11876	1871	
	04-19																												
1088	Sani	2022A	1	2	1	0	1	0	0	6	6	0	0	0	0	Exten	Inflor	89	0	0	0	0	0	0	0	True	11891	1871	
	04-19																												
1089	Sani	2022A	1	3	1	0	1	0	0	5	5	0	0	0	0	Exten	Inflor	89	0	0	0	0	0	0	0	True	11893	1871	
	04-19																												
1090	Sani	2022A	1	4	1	0	1	0	0	8	7	0	0	0	0	Exten	Inflor	89	0	0	0	0	0	0	0	True	11895	1871	
	04-19																												
1091	Sani	2022A	1	5	3	0	3	0	0	0	0	0	3	0	0	Exten	Inflor	81	0	0	0	0	0	0	0	True	11897	1871	
	04-19																												
1092	Sani	2022A	1	1	1	0	1	0	0	4	4	0	0	0	0	Branch	Inflor	89	0	0	0	0	0	0	0	True	11913	1871	
	04-19																												
1093	Sani	2022A	1	2	4	0	4	0	0	3	2	0	3	0	0	Exten	Inflor	89	0	0	0	0	0	0	0	True	11915	1871	
	04-19																												
1094	Sani	2022A	1	3	2	0	2	0	0	0	0	0	1	0	0	Exten	Inflor	55	0	0	0	0	0	0	0	True	11920	1871	
	04-19																												

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phlo	phlo	flow	etk	all	off	st	low	veg	an	cia	fl	ph	inf	wh	st	com	ple	de	land	uled
1095	Sanic@2022A	04-19		1	4	1	1	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1096	Sanic@2022A	04-19		1	1	3	0	3	0	0	4	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1097	Sanic@2022A	04-19		1	2	3	0	3	0	0	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1098	Sanic@2022A	04-19		1	3	3	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1099	Sanic@2022A	04-19		2	0	3	0	3	0	0	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100	Sanic@2022A	04-19		2	1	3	0	3	0	0	11	11	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1101	Sanic@2022A	04-19		2	2	2	0	2	0	0	8	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1102	Sanic@2022A	04-19		2	3	2	0	2	0	0	7	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1103	Sanic@2022A	04-19		2	4	2	0	2	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1104	Sanic@2022A	04-19		2	1	5	0	5	0	0	3	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1105	Sanic@2022A	04-19		2	2	3	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1106	Sanic@2022A	04-19		2	3	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1107	Sanic@2022A	04-19		2	1	5	0	5	0	0	8	8	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1108	Sanic@2022A	04-19		2	2	3	0	3	0	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1109	Sanic@2022A	04-19		2	3	2	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1110	Sanic@2022A	04-19		3	0	8	0	8	0	0	5	5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1111	Sanic@2022A	04-19		3	1	2	0	2	0	0	4	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phlo	phlo	flow	etk	all	off	st	low	veg	an	cia	fl	ph	h	win	st	com	ple	de	pland	uled
1115	Sani@2022A	04-19	3	2	1	0	1	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1115	Sani@2022A	04-19	3	3	2	0	2	0	0	4	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1115	Sani@2022A	04-19	3	4	2	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1115	Sani@2022A	04-19	3	1	1	0	1	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1116	Sani@2022A	04-19	3	2	3	0	3	0	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1115	Sani@2022A	04-19	3	3	3	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1115	Sani@2022A	04-19	3	1	2	0	2	0	0	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1115	Sani@2022A	04-19	3	2	4	0	4	0	0	2	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1126	Sani@2022A	04-19	3	3	3	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	3	1	2	0	2	0	0	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	3	2	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	3	1	4	0	4	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	3	2	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1126	Sani@2022A	04-19	4	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	4	3	5	0	5	0	0	16	16	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	date	modality	plant_order	order	visible	foliar	flower	fruit	petiole	inflorescence	total	fruit	seed	germination	initial	final	inflorescence	total	complete	planned	yield
112	Sanicula	2022A	4	4	3	0	3	0	0	0	0	0	2	0	0	Branch	Inflorescence	89	True	1223	12219	
113	Sanicula	2022A	4	5	1	2	3	0	0	6	6	0	3	0	0	Extension	Inflorescence	89	True	1224	12219	
113	Sanicula	2022A	4	4	3	0	3	0	0	9	9	0	2	0	0	Extension	Inflorescence	89	True	1225	12219	
113	Sanicula	2022A	4	5	3	0	3	0	0	1	0	0	2	0	0	Extension	Inflorescence	60	True	1226	12219	
113	Sanicula	2022A	4	6	1	2	3	0	0	0	0	0	3	0	0	Extension	Inflorescence/Global	89	True	1227	12219	
113	Sanicula	2022A	5	0	1	0	1	0	0	0	0	0	0	0	0	Main	Inflorescence	89	True	1229	12291	
113	Sanicula	2022A	5	1	1	0	1	0	0	0	0	0	0	0	0	Extension	Inflorescence	89	True	1229	12291	
113	Sanicula	2022A	5	2	3	0	3	0	0	20	10	0	0	0	0	Extension	Inflorescence	89	True	1229	12291	
113	Sanicula	2022A	5	3	1	0	1	0	0	7	7	0	0	0	0	Branch	Inflorescence	89	True	1229	12291	
113	Sanicula	2022A	5	4	4	0	4	0	0	0	0	0	3	0	0	Extension	Inflorescence/Global	89	True	1230	12291	
113	Sanicula	2022A	5	5	1	2	3	0	0	0	0	0	3	0	0	Extension	Inflorescence/Global	89	True	1231	12291	
114	Sanicula	2022A	5	3	3	0	3	0	0	7	7	0	2	0	0	Branch	Inflorescence	89	True	1232	12291	
114	Sanicula	2022A	5	4	2	0	2	0	0	0	0	0	2	0	0	Extension	Inflorescence/Global	89	True	1233	12291	
114	Sanicula	2022A	5	3	4	0	4	0	0	9	9	0	3	0	0	Extension	Inflorescence	89	True	1234	12291	
114	Sanicula	2022A	5	4	3	0	3	0	0	1	1	0	2	0	0	Extension	Inflorescence	89	True	1235	12291	
114	Sanicula	2022A	5	5	1	2	3	0	0	0	0	0	3	0	0	Extension	Inflorescence/Global	89	True	1236	12291	
114	Sanicula	2022A	6	0	2	0	2	0	0	17	15	0	1	0	0	Main	Inflorescence	89	True	1237	12378	

X	Genotype	modality	plant_order	visible	flower_color	leaf_color	petal_color	sepal_color	flower_color	leaf_color	petal_color	sepal_color	initial_color	final_color	phenology	inflorescence	structure	complete	planted	seedling
114	Sanié 04-19	2022A	6	1	2	0	2	0	0	6	5	0	1	0	0	Extended	Inflorescence	True	1238	2378
114	Sanié 04-19	2022A	6	2	3	0	3	0	0	0	0	3	0	0	Extended	Inflorescence	True	1238	2378	
114	Sans ri-vale 04-05	2022A	1	0	10	0	10	0	0	20	20	0	4	0	0	Main	Inflorescence	True	1240	2402
114	Sans ri-vale 04-05	2022A	1	1	3	0	3	0	0	4	0	0	1	0	0	Branch	Inflorescence	True	1240	2402
115	Sans ri-vale 04-05	2022A	1	2	2	0	2	0	0	9	9	0	1	0	0	Extended	Inflorescence	True	1241	2402
115	Sans ri-vale 04-05	2022A	1	3	3	0	3	0	0	5	0	0	2	0	0	Extended	Inflorescence	True	1242	2402
115	Sans ri-vale 04-05	2022A	1	4	1	2	3	0	0	0	0	3	0	0	Extended	Inflorescence / Globular	False	1244	2402	
115	Sans ri-vale 04-05	2022A	1	1	2	0	2	0	0	10	10	0	1	0	0	Branch	Inflorescence	True	1244	2402
115	Sans ri-vale 04-05	2022A	1	2	2	0	2	0	0	8	8	0	1	0	0	Extended	Inflorescence	True	1244	2402
115	Sans ri-vale 04-05	2022A	1	3	3	0	3	0	0	6	3	0	2	0	0	Extended	Inflorescence	True	1245	2402
115	Sans ri-vale 04-05	2022A	1	4	2	2	4	0	0	0	0	4	0	0	Extended	Inflorescence / Globular	False	1246	2402	
115	Sans ri-vale 04-05	2022A	1	1	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflorescence	True	1248	2402
115	Sans ri-vale 04-05	2022A	1	2	5	0	5	0	0	0	0	0	4	0	0	Extended	Inflorescence	True	1248	2402
115	Sans ri-vale 04-05	2022A	1	1	10	0	10	0	0	18	18	0	6	0	0	Branch	Inflorescence	True	1251	2402
116	Sans ri-vale 04-05	2022A	1	2	7	1	8	0	0	0	0	0	7	0	0	Branch	Inflorescence / Globular	False	1251	2402
116	Sans ri-vale 04-05	2022A	1	3	2	0	2	0	0	3	3	0	1	0	0	Branch	Inflorescence	True	1252	2402
116	Sans ri-vale 04-05	2022A	1	4	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflorescence / Globular	False	1253	2402

X	Genotype	date	modality	order	ero_vis	ble_fol	lat_q	in_h	pe_h	le_h	low	et_k	all	to	st	low	ge	an	ia	fl	pl	in	fl	win	st	com	ple	de	pl	and	uled	
1195	Sans ri-vale	2022-04-05	2022A	3	1	3	0	3	0	0	6	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																				Extended	Inflor.	89	True	1289	12789							
1198	Sans ri-vale	2022-04-05	2022A	3	2	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																				Extended	rioid/Glob	False	1289	12789								

2.3 Table 3: node scale data

Table 3: Table of node scale data extraction

X	Genotype	date	modality	order	ero_vis	ble_fol	lat_q	in_h	pe_h	le_h	low	et_k	all	to	st	low	ge	an	ia	fl	pl	in	fl	win	st	com	ple	de	pl	and	uled
0	Belle2022-04-25	2022A	Bonne	0	9	0	9	0	0	20	20	1	5	0	0	0	0	0	0	0	0	MainInflorescence	True	2	1						
1	Belle2022-04-25	2022A	Bonne	1	3	0	3	0	0	8	8	0	2	0	0	0	0	0	0	0	0	BranchInflorescence	True	10	1						
2	Belle2022-04-25	2022A	Bonne	2	4	0	4	0	0	10	10	0	4	0	0	0	0	0	0	0	0	ExtensInflorescence	True	18	1						
3	Belle2022-04-25	2022A	Bonne	3	6	5	11	0	0	0	0	3	8	0	0	0	0	0	0	0	0	Extensivigilant	False	29	1						
4	Belle2022-04-25	2022A	Bonne	1	3	0	3	0	0	14	14	0	2	0	0	0	0	0	0	0	0	BranchInflorescence	True	79	1						
5	Belle2022-04-25	2022A	Bonne	2	3	0	3	0	0	8	5	0	2	0	0	0	0	0	0	0	0	ExtensInflorescence	True	87	1						
6	Belle2022-04-25	2022A	Bonne	3	1	2	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	Extensivied/aborted	False	95							
7	Belle2022-04-25	2022A	Bonne	1	4	0	4	0	0	11	11	0	2	0	0	0	0	0	0	0	0	ExtensInflorescence	True	109	1						
8	Belle2022-04-25	2022A	Bonne	2	4	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	Branchvied/aborted	False	114							
9	Belle2022-04-25	2022A	Bonne	2	3	0	3	0	0	5	5	0	2	0	0	0	0	0	0	0	0	ExtensInflorescence	True	132	1						
10	Belle2022-04-25	2022A	Bonne	3	4	0	4	0	0	6	0	0	4	0	0	0	0	0	0	0	0	ExtensInflorescence	True	140	1						
11	Belle2022-04-25	2022A	Bonne	0	6	0	6	0	0	21	21	0	3	0	0	0	0	0	0	0	0	MainInflorescence	True	170	169						

X	Genotype	phenology	order	aro_vis	blef	collat	quih	phlo	phlo	flow	chall	flow	st	lowg	et	an	fl	ph	inf	wh	st	comple	depl	nd
12	Belle2022-04-25	Borne 1	1	1	0	1	0	0	0	4	4	0	0	0	0	0	0	Branch	Inflores	89	0	True	172	169
13	Belle2022-04-25	Borne 2	6	0	6	0	0	10	1	2	3	1	0				0	Extens	Inflores	71	0	True	174	169
14	Belle2022-04-25	Borne 3	2	1	3	0	0	0	0	0	3	0	0				0	Extens	initia	Ad	False	191	169	
15	Belle2022-04-25	Borne 1	1	0	1	0	0	8	8	0	0	0	0				0	Branch	Inflores	89	0	True	205	169
16	Belle2022-04-25	Borne 2	3	0	3	0	0	6	5	0	2	0	0				0	Extens	Inflores	89	0	True	207	169
17	Belle2022-04-25	Borne 3	3	0	3	0	0	0	0	0	2	0	0				0	Extens	Inflores	55	0	True	215	169
18	Belle2022-04-25	Borne 1	3	0	3	0	0	19	18	0	2	0	0				0	Extens	Inflores	89	0	True	241	169
19	Belle2022-04-25	Borne 2	3	0	3	0	0	10	7	0	3	0	0				0	Extens	Inflores	89	0	True	249	169
20	Belle2022-04-25	Borne 3	3	1	4	0	0	0	0	0	4	0	0				0	Extens	visita	17	False	257	169	
21	Belle2022-04-25	Borne 0	7	0	7	0	0	19	19	0	4	0	0				0	Main	Inflores	55	0	True	275	274
22	Belle2022-04-25	Borne 1	3	0	3	0	0	5	5	0	1	0	0				0	Branch	Inflores	89	0	True	283	274
23	Belle2022-04-25	Borne 2	2	0	2	0	0	3	3	0	1	0	0				0	Branch	Inflores	89	0	True	285	274
24	Belle2022-04-25	Borne 3	3	0	3	0	0	4	4	0	2	0	0				0	Extens	Inflores	89	0	True	290	274
25	Belle2022-04-25	Borne 4	2	0	2	0	0	0	0	0	1	0	0				0	Extens	Inflores	55	0	True	298	274
26	Belle2022-04-25	Borne 2	3	0	3	0	0	9	1	0	2	0	0				0	Extens	Inflores	71	0	True	324	274
27	Belle2022-04-25	Borne 3	1	4	5	0	0	0	0	0	5	0	0				0	Extens	rior/17	0	False	332	274	
28	Belle2022-04-25	Borne 1	3	0	3	0	0	13	13	0	2	0	0				0	Branch	Inflores	89	0	True	352	274

X	Genotype	phenology	order	aro_vis	blef	collat	quih	phlo	phlo	flow	chall	off	st	lowg	et	an	cia	fl	ph	inf	st	com	ple	de	pland	uled
29	Belle2022-04-25	Bonne	2	3	0	3	0	0	6	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Belle2022-04-25	Bonne	3	4	0	4	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Belle2022-04-25	Bonne	1	4	0	4	0	0	11	11	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Belle2022-04-25	Bonne	2	7	5	12	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Belle2022-04-25	Bonne	3	1	4	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Belle2022-04-25	Bonne	0	5	0	5	0	0	7	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Belle2022-04-25	Bonne	1	3	0	3	0	0	11	11	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Belle2022-04-25	Bonne	2	3	0	3	0	0	9	9	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Belle2022-04-25	Bonne	3	3	0	3	0	0	10	8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Belle2022-04-25	Bonne	4	2	0	2	0	0	10	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Belle2022-04-25	Bonne	5	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Belle2022-04-25	Bonne	1	2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Belle2022-04-25	Bonne	1	3	0	3	0	0	8	8	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Belle2022-04-25	Bonne	2	3	2	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Belle2022-04-25	Bonne	2	3	0	3	0	0	11	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Belle2022-04-25	Bonne	3	2	2	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Belle2022-04-25	Bonne	0	4	0	4	0	0	19	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	phenology	order	aro_vis	blef	collat	quih	phala	flower	hallow	fruit	seed	veg	antia	fly	ball	inf	whinst	cut	comple	depland	uled
46	Belle2022A-04-25	Borne 1	1	0	1	0	0	13	13	0	0	0	0	0	0	Branch	Inflores	89	True	601	598	
47	Belle2022A-04-25	Borne 2	2	0	2	0	0	8	8	0	1	0	0	0	0	Extens	Inflores	89	True	603	598	
48	Belle2022A-04-25	Borne 3	1	0	1	0	0	0	0	0	0	0	0	0	0	Extens	Inflores	55	True	608	598	
49	Belle2022A-04-25	Borne 1	1	0	1	0	0	11	9	0	0	0	0	0	0	Branch	Inflores	89	True	622	598	
50	Belle2022A-04-25	Borne 2	4	0	4	0	0	10	10	0	3	0	0	0	0	Extens	Inflores	89	True	624	598	
51	Belle2022A-04-25	Borne 3	4	0	4	0	0	7	0	1	2	1	0	0	0	Extens	Inflores	60	True	635	598	
52	Belle2022A-04-25	Borne 4	2	1	3	0	0	0	0	0	3	0	0	0	0	Extens	initia	Ad	False	646	598	
53	Belle2022A-04-25	Borne 1	4	0	4	0	0	9	9	0	3	0	0	0	0	Branch	Inflores	89	True	661	598	
54	Belle2022A-04-25	Borne 2	3	0	3	0	0	4	0	0	2	0	0	0	0	Extens	Inflores	60	True	672	598	
55	Belle2022A-04-25	Borne 3	1	1	2	0	0	0	0	0	2	0	0	0	0	Extens	ision/E	bor	False	680	598	
56	Belle2022A-04-25	Borne 1	3	0	3	0	0	11	11	0	2	0	0	0	0	Extens	Inflores	89	True	691	598	
57	Belle2022A-04-25	Borne 2	3	0	3	0	0	11	11	0	3	0	0	0	0	Extens	Inflores	89	True	699	598	
58	Belle2022A-04-25	Borne 3	4	1	5	0	0	0	0	1	4	0	0	0	0	Extens	visita	17	False	707	598	
59	Belru2022A-04-25	1	0	4	0	4	0	0	19	19	0	1	0	0	0	Main	Inflores	89	True	728	727	
60	Belru2022A-04-25	1	1	1	0	1	0	0	4	4	0	0	0	0	0	Branch	Inflores	89	True	730	727	
61	Belru2022A-04-25	1	2	3	1	4	0	0	0	0	4	0	0	0	0	Extens	ision/E	bor	False	732	727	
62	Belru2022A-04-25	1	1	2	0	2	0	0	5	5	0	1	0	0	0	Branch	Inflores	89	True	751	727	

X	Genotype	phenology	plant_order	visible	flower_color	fruit_color	petal_color	sepal_color	total_color	flower_color	fruit_color	petal_color	sepal_color	total_color	initial_color	final_color	inflorescence_type	complete	planned
97	Belrus04-25	2022A	5	2	1	0	1	0	0	3	0	0	0	0	0	0	Branch inflorescence	True	1149033
98	Belrus04-25	2022A	5	3	3	0	3	0	0	3	0	0	2	0	0	0	Extension inflorescence	True	1151033
99	Belrus04-25	2022A	5	4	3	1	4	0	0	0	0	0	4	0	0	0	Extension inflorescence / abortion	False	1156033
100	Belrus04-25	2022A	5	2	2	0	2	0	0	14	10	0	1	0	0	0	Extension inflorescence	True	1176033
101	CF1004-11	2022A	1	0	5	0	5	0	0	9	9	0	3	0	0	0	Main inflorescence	True	1193192
102	CF1004-11	2022A	1	1	2	0	2	0	0	6	6	0	1	0	0	0	Branch inflorescence	True	1195192
103	CF1004-11	2022A	1	2	3	0	3	0	0	0	0	0	3	0	0	0	Extension inflorescence	True	1200192
104	CF1004-11	2022A	1	1	3	0	3	0	0	5	5	0	2	0	0	0	Extension inflorescence	True	1222192
105	CF1004-11	2022A	1	2	4	0	4	0	0	0	0	0	4	0	0	0	Extension inflorescence	True	1230192
106	CF1004-11	2022A	2	0	4	0	4	0	0	0	0	0	0	0	0	0	Main inflorescence complete	True	1247246
107	CF1004-11	2022A	2	1	2	0	2	0	0	0	0	0	1	0	0	0	Branch inflorescence complete	True	1249246
108	CF1004-11	2022A	2	2	3	0	3	0	0	6	6	0	2	0	0	0	Extension inflorescence	True	1254246
109	CF1004-11	2022A	2	3	1	0	1	0	0	6	5	0	0	0	0	0	Extension inflorescence	True	1262246
110	CF1004-11	2022A	2	4	3	0	3	0	0	0	0	0	3	0	0	0	Extension inflorescence / abortion	False	1264246
111	CF1004-11	2022A	2	1	3	0	3	0	0	5	5	0	2	0	0	0	Branch inflorescence	True	1279246
112	CF1004-11	2022A	2	2	4	0	4	0	0	0	0	0	4	0	0	0	Extension inflorescence / abortion	False	1287246
113	CF1004-11	2022A	2	1	2	0	2	0	0	5	4	0	1	0	0	0	Branch inflorescence	True	1303246

X	Genotype	modality	plant_order	visible	flower_color	petal_color	sepal_color	leaf_color	fruit_color	seed_color	stem_color	branch_color	inflorescence_color	floral_color	ovary_color	stamen_color	gynoecium_color	epicalyx_color			
148	CF1022A-04-11	22A	6	2	3	1	4	0	0	0	0	0	4	0	0	Extended	Inflor.	Hbort.	True	1599	594
149	CF1022A-04-11	22A	6	1	2	0	2	0	0	5	5	0	1	0	0	Branch	Inflor.	Hbort.	True	1613	594
150	CF1022A-04-11	22A	6	2	3	1	4	0	0	0	0	0	4	0	0	Extended	Inflor./Hbort.	Fed/cult.	False	1620	594
151	CF1022A-04-11	22A	6	1	2	0	2	0	0	11	11	0	1	0	0	Extended	Inflor.	Hbort.	True	1642	594
152	CF1022A-04-11	22A	6	2	3	0	3	0	0	5	5	0	2	0	0	Extended	Inflor.	Hbort.	True	1647	594
153	CF1022A-04-11	22A	6	3	1	0	1	0	0	0	0	0	1	0	0	Extended	Inflor.	Hbort.	True	1653	594
154	CF1027A-04-19	27A	1	0	5	0	5	0	0	0	0	0	1	0	0	Main	Inflor.	Hbort.	True	1664	663
155	CF1027A-04-19	27A	1	1	1	0	1	0	0	0	0	0	0	0	0	Branch	Inflor.	Hbort.	True	1666	663
156	CF1027A-04-19	27A	1	2	5	1	6	0	0	0	0	0	6	0	0	Extended	Inflor./Hbort.	Fed/cult.	False	1668	663
157	CF1027A-04-19	27A	1	1	2	0	2	0	0	0	0	0	1	0	0	Branch	Inflor.	Hbort.	True	1690	663
158	CF1027A-04-19	27A	1	2	3	1	4	0	0	0	0	0	4	0	0	Extended	Inflor./Hbort.	Fed/cult.	False	1693	663
159	CF1027A-04-19	27A	1	1	3	0	3	0	0	8	8	0	2	0	0	Branch	Inflor.	Hbort.	True	1711	663
160	CF1027A-04-19	27A	1	2	3	0	3	0	0	3	3	0	2	0	0	Extended	Inflor.	Hbort.	True	1719	663
161	CF1027A-04-19	27A	1	3	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflor./Hbort.	Fed/cult.	False	1727	663
162	CF1027A-04-19	27A	1	1	2	0	2	0	0	18	18	0	0	0	0	Extended	Inflor.	Hbort.	True	1744	663
163	CF1027A-04-19	27A	1	2	1	0	1	0	0	6	4	0	0	0	0	Branch	Inflor.	Hbort.	True	1746	663
164	CF1027A-04-19	27A	1	3	3	0	3	0	0	0	0	0	2	0	0	Extended	Inflor.	Hbort.	True	1748	663

X	Genotype	modality	plant	order	visible	foliar	leaf	petiole	petiole	petiole	flower	cal	lobes	stamens	stigma	style	anther	ovary	ovule	complete	planned	yield
165	CF10272A-04-19	2	1	2	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflorescence	60	False	1778	1764	63
166	CF10272A-04-19	2	2	0	8	0	8	0	0	14	14	0	4	0	0	Main	Inflorescence	89	True	1778	1777	
167	CF10272A-04-19	2	1	3	0	3	0	0	0	0	0	2	0	0	Branch	Inflorescence	60	True	1780	1777		
168	CF10272A-04-19	2	2	3	0	3	0	0	3	2	0	2	0	0	Extended	Inflorescence	71	True	1788	1777		
169	CF10272A-04-19	2	3	3	1	4	0	0	0	0	0	4	0	0	Extended	Inflorescence	60	True	1796	1777		
170	CF10272A-04-19	2	1	2	0	2	0	0	6	5	0	1	0	0	Branch	Inflorescence	89	True	1819	1777		
171	CF10272A-04-19	2	2	3	0	3	0	0	0	0	0	3	0	0	Extended	Inflorescence	60	True	1824	1777		
172	CF10272A-04-19	2	1	2	0	2	0	0	8	6	0	1	0	0	Branch	Inflorescence	89	True	1843	1777		
173	CF10272A-04-19	2	2	3	0	3	0	0	0	0	0	3	0	0	Extended	Inflorescence	60	True	1848	1777		
174	CF10272A-04-19	2	1	2	0	2	0	0	7	6	0	1	0	0	Extended	Inflorescence	89	True	1861	1777		
175	CF10272A-04-19	2	2	3	0	3	0	0	1	1	0	2	0	0	Extended	Inflorescence	71	True	1866	1777		
176	CF10272A-04-19	2	3	3	0	3	0	0	0	0	0	2	0	0	Extended	Inflorescence	60	True	1874	1777		
177	CF10272A-04-19	3	0	8	0	8	0	0	16	16	0	2	0	0	Main	Inflorescence	89	True	1893	1894		
178	CF10272A-04-19	3	1	2	0	2	0	0	3	3	0	1	0	0	Branch	Inflorescence	89	True	1897	1894		
179	CF10272A-04-19	3	2	4	0	4	0	0	3	2	0	3	0	0	Extended	Inflorescence	71	True	1902	1894		
180	CF10272A-04-19	3	3	2	0	2	0	0	0	0	0	2	0	0	Extended	Inflorescence	60	True	1913	1894		
181	CF10272A-04-19	3	1	2	0	2	0	0	0	1	0	1	0	0	Branch	Inflorescence	71	True	1924	1894		

[illegible]

X	Genotype	modality	plant	order	visible	flower	petal	petal	petal	flower	cal	cal	cal	stigma	initial	type	inflores	stage	complete	planned	yield
199	CF10272A-04-19		4	1	1	0	1	0	0	0	0	0	1	0	0	Branch	dried/aborted	Feb/2118		2059	
200	CF10272A-04-19		4	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Infloresc	True	2113	2059	
201	CF10272A-04-19		4	2	3	0	3	0	0	0	0	0	3	0	0	Extension	dried/aborted	Feb/2118		2059	
202	CF10272A-04-19		4	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Infloresc	True	2132	2059	
203	CF10272A-04-19		4	2	3	0	3	0	0	0	0	0	2	0	0	Extension	Infloresc	True	2132	2059	
204	CF10272A-04-19		4	1	2	0	2	0	0	3	3	0	1	0	0	Extension	Infloresc	True	2152	2059	
205	CF10272A-04-19		4	2	2	1	3	0	0	0	0	0	3	0	0	Extension	dried/aborted	Feb/2115		2059	
206	CF10272A-04-19		5	0	9	0	9	0	0	14	14	0	1	0	0	Main	Infloresc	True	2172	2170	
207	CF10272A-04-19		5	1	2	0	2	0	0	5	5	0	2	0	0	Branch	Infloresc	True	2173	2170	
208	CF10272A-04-19		5	1	1	0	1	0	0	11	11	0	0	0	0	Branch	Infloresc	True	2182	2170	
209	CF10272A-04-19		5	2	1	0	1	0	0	4	4	0	0	0	0	Extension	Infloresc	True	2184	2170	
210	CF10272A-04-19		5	3	2	0	2	0	0	0	0	0	2	0	0	Extension	Infloresc	True	2186	2170	
211	CF10272A-04-19		5	1	2	0	2	0	0	7	7	0	0	0	0	Branch	Infloresc	True	2192	2170	
212	CF10272A-04-19		5	2	2	0	2	0	0	0	0	0	2	0	0	Branch	dried/aborted	Feb/2119		2170	
213	CF10272A-04-19		5	2	2	0	2	0	0	7	5	0	1	0	0	Extension	Infloresc	True	2202	2170	
214	CF10272A-04-19		5	3	2	0	2	0	0	0	0	0	2	0	0	Extension	dried/aborted	Feb/2118		2170	
215	CF10272A-04-19		5	1	2	0	2	0	0	12	11	0	1	0	0	Branch	Infloresc	True	2224	2170	

X	Genotype	date	mode	plant	order	aro	vis	le	fol	at	qui	ho	ph	ha	flow	er	ka	lo	fo	is	to	veg	an	cia	fl	yp	all	h	w	st	com	ple	de	pl	and	uled
216	CF10272A	04-19	5	2	1	1	2	0	0	0	0	0	2	0	0	Extended	Inflores	aborted	False	2242	2170															
217	CF10272A	04-19	5	1	2	0	2	0	0	7	7	0	0	0	0	Branch	Inflores	aborted	True	2242	2170															
218	CF10272A	04-19	5	2	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflores	aborted	True	2244	2170															
219	CF10272A	04-19	5	3	1	1	2	0	0	0	0	0	2	0	0	Extended	Inflores	aborted	False	2249	2170															
220	CF10272A	04-19	5	2	3	1	4	0	0	0	0	0	4	0	0	Extended	Inflores	aborted	False	2250	2170															
221	CF10272A	04-19	5	1	2	1	3	0	0	0	0	0	3	0	0	Branch	Inflores	aborted	False	2270	2170															
222	CF10272A	04-19	5	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflores	aborted	True	2282	2170															
223	CF10272A	04-19	5	2	3	1	4	0	0	0	0	0	4	0	0	Extended	Inflores	aborted	False	2292	2170															
224	CF10272A	04-19	5	1	2	0	2	0	0	5	5	0	1	0	0	Extended	Inflores	aborted	True	2302	2170															
225	CF10272A	04-19	5	2	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflores	aborted	False	2312	2170															
226	CF10272A	04-19	6	0	4	0	4	0	0	0	0	0	1	0	0	Main	Inflores	aborted	True	2322	2326															
227	CF10272A	04-19	6	1	1	0	1	0	0	9	9	0	0	0	0	Branch	Inflores	aborted	True	2322	2326															
228	CF10272A	04-19	6	2	2	0	2	0	0	6	4	0	1	0	0	Extended	Inflores	aborted	True	2332	2326															
229	CF10272A	04-19	6	3	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflores	aborted	False	2336	2326															
230	CF10272A	04-19	6	1	2	0	2	0	0	9	9	0	1	0	0	Branch	Inflores	aborted	True	2352	2326															
231	CF10272A	04-19	6	2	3	0	3	0	0	0	0	0	2	0	0	Extended	Inflores	aborted	True	2352	2326															
232	CF10272A	04-19	6	1	3	0	3	0	0	21	21	0	1	0	0	Extended	Inflores	aborted	True	2380	2326															

X	Genotype	date	mode	plant	order	aro_vis	le_fol	at_v	qui_h	ph_a	ha_flow	er_k	lo_s	st_o	ow_g	an_i	cia_f	fl_yp	all_inf	win	st	com	ple	de	and	id
233	CF12072A-04-19	2022	6	2	3	0	3	0	0	7	7	0	2	0	0	Branch	Infl	89	ende	True	238	2	326			
234	CF12072A-04-19	2022	6	3	3	1	4	0	0	0	0	0	3	0	0	Extens	Infl	89	ende	True	239	2	326			
235	CF12072A-04-19	2022	6	2	2	0	2	0	0	6	6	0	1	0	0	Extens	Infl	89	ende	True	241	2	326			
236	CF12072A-04-19	2022	6	3	2	0	2	0	0	0	0	0	1	0	0	Extens	Infl	89	ende	True	242	2	326			
237	CF12072A-04-25	2022	1	0	2	0	2	0	0	0	0	0	0	0	0	Main	Infl	89	ende	True	243	2	437			
238	CF12072A-04-25	2022	1	1	2	0	2	0	0	4	4	0	1	0	0	Branch	Infl	89	ende	True	244	2	437			
239	CF12072A-04-25	2022	1	2	6	0	6	0	0	9	5	0	5	0	0	Extens	Infl	89	ende	True	244	2	437			
240	CF12072A-04-25	2022	1	3	2	0	2	0	0	0	0	0	2	0	0	Extens	Infl	89	ende	True	246	2	437			
241	CF12072A-04-25	2022	1	1	6	0	6	0	0	6	5	0	1	0	0	Extens	Infl	89	ende	True	248	2	437			
242	CF12072A-04-25	2022	1	2	4	0	4	0	0	9	9	0	3	0	0	Branch	Infl	89	ende	True	248	4	437			
243	CF12072A-04-25	2022	1	3	2	0	2	0	0	6	6	0	1	0	0	Extens	Infl	89	ende	True	249	2	437			
244	CF12072A-04-25	2022	1	4	3	3	6	0	0	0	0	0	6	0	0	Extens	Infl	89	ende	True	250	2	437			
245	CF12072A-04-25	2022	1	2	3	0	3	0	0	8	6	0	2	0	0	Branch	Infl	89	ende	True	252	2	437			
246	CF12072A-04-25	2022	1	3	2	0	2	0	0	8	7	0	1	0	0	Extens	Infl	89	ende	True	253	2	437			
247	CF12072A-04-25	2022	1	4	2	1	3	0	0	0	0	0	3	0	0	Extens	Infl	89	ende	True	253	2	437			
248	CF12072A-04-25	2022	1	2	2	0	2	0	0	6	6	0	1	0	0	Branch	Infl	89	ende	True	255	2	437			
249	CF12072A-04-25	2022	1	3	3	0	3	0	0	11	4	0	2	0	0	Extens	Infl	89	ende	True	255	2	437			

X	Genotype	depth	modality	order	order_	visible	foliage	at	quail	hop	shrub	flower	herb	all	fruit	seed	vegetation	initial	floral	inflores	structure	complete	degraded
250	CF12072A-04-25	1	4	2	1	3	0	0	0	0	0	0	3	0	0	0	Extended	Inflores	80	False	2562	437	
251	CF12072A-04-25	1	2	2	0	2	0	0	8	7	0	1	0	0	0	0	Branch	Inflores	80	True	2572	437	
252	CF12072A-04-25	1	3	3	1	4	0	0	0	0	0	4	0	0	0	0	Extended	Inflores	60	False	2582	437	
253	CF12072A-04-25	1	2	2	0	2	0	0	10	10	0	1	0	0	0	0	Extended	Inflores	80	True	2602	437	
254	CF12072A-04-25	1	3	3	0	3	0	0	12	11	0	2	0	0	0	0	Extended	Inflores	80	True	2602	437	
255	CF12072A-04-25	1	4	2	1	3	0	0	0	0	0	2	0	0	0	0	Extended	Inflores	80	False	2612	437	
256	CF12072A-04-25	2	0	6	0	6	0	0	10	10	0	0	0	0	0	0	Main	Inflores	80	True	2632	635	
257	CF12072A-04-25	2	1	2	0	2	0	0	6	6	0	1	0	0	0	0	Branch	Inflores	80	True	2632	635	
258	CF12072A-04-25	2	2	3	0	3	0	0	3	1	0	2	1	0	0	0	Extended	Inflores	71	True	2642	635	
259	CF12072A-04-25	2	3	1	1	2	0	0	0	0	0	2	0	0	0	0	Extended	Inflores	Ad	False	2652	635	
260	CF12072A-04-25	2	1	1	0	1	0	0	7	7	0	0	0	0	0	0	Branch	Inflores	80	True	2662	635	
261	CF12072A-04-25	2	2	2	0	2	0	0	6	6	0	1	0	0	0	0	Extended	Inflores	80	True	2664	635	
262	CF12072A-04-25	2	3	3	0	3	0	0	3	0	0	2	0	0	0	0	Extended	Inflores	60	True	2662	635	
263	CF12072A-04-25	2	1	2	0	2	0	0	3	3	0	1	0	0	0	0	Branch	Inflores	80	True	2682	635	
264	CF12072A-04-25	2	2	3	0	3	0	0	8	5	0	2	0	0	0	0	Extended	Inflores	80	True	2692	635	
265	CF12072A-04-25	2	3	3	0	3	0	0	0	0	0	2	1	0	0	0	Extended	Inflores	55	True	2692	635	
266	CF12072A-04-25	2	1	2	0	2	0	0	6	6	0	1	0	0	0	0	Branch	Inflores	80	True	2712	635	

X	Genotype	modality	plant_order	visible	flower_color	leaf_color	petal_color	sepal_color	total_length	calyx_color	stamen_color	ovary_color	setae_color	initial_color	final_color	inflorescence_type	complete	planned		
284	CF12072A-04-25	2022	3	3	2	0	2	0	0	5	4	0	1	0	0	BranchInflor.	89	True	2862803	
285	CF12072A-04-25	2022	3	3	3	0	3	0	0	6	6	0	2	0	0	BranchInflor.	89	True	2882803	
286	CF12072A-04-25	2022	3	4	1	2	3	0	0	0	0	3	0	0	0	ExtensionInflor./Gl.	bor	Fals	2892803	
287	CF12072A-04-25	2022	3	3	2	0	2	0	0	7	7	0	1	0	0	ExtensionInflor.	89	True	2902803	
288	CF12072A-04-25	2022	3	4	3	0	3	0	0	3	0	0	2	0	0	ExtensionInflor.	60	True	2912803	
289	CF12072A-04-25	2022	3	5	1	3	4	0	0	0	0	0	4	0	0	ExtensionInflor./Gl.	bor	Fals	2922803	
290	CF12072A-04-25	2022	4	0	2	0	2	0	0	12	12	0	0	0	0	MainInflor.	89	True	2942941	
291	CF12072A-04-25	2022	4	1	2	0	2	0	0	6	6	0	0	0	0	BranchInflor.	89	True	2942941	
292	CF12072A-04-25	2022	4	2	3	0	3	0	0	4	1	0	2	0	0	BranchInflor.	51	True	2942941	
293	CF12072A-04-25	2022	4	3	1	1	2	0	0	0	0	0	2	0	0	ExtensionInflor./Fl.	bor	Fals	2952941	
294	CF12072A-04-25	2022	4	2	5	0	5	0	0	0	0	0	4	0	0	ExtensionInflor.	55	True	2962941	
295	CF12072A-04-25	2022	4	1	1	0	1	0	0	7	7	0	0	0	0	ExtensionInflor.	89	True	2982941	
296	CF12072A-04-25	2022	4	2	4	0	4	0	0	3	0	0	2	0	0	ExtensionInflor.	60	True	2982941	
297	CF12072A-04-25	2022	4	3	1	1	2	0	0	0	0	0	2	0	0	BranchInflor.	died/F	bor	Fals	2992941
298	CF12072A-04-25	2022	4	3	1	1	2	0	0	0	0	0	2	0	0	ExtensionInflor./Fl.	bor	Fals	3002941	
299	CF12072A-04-25	2022	5	0	4	0	4	0	0	0	0	0	0	0	0	MainInflor.	comp	True	3013016	
300	CF12072A-04-25	2022	5	1	1	0	1	0	0	1	1	0	0	0	0	BranchInflor.	51	True	3013016	

X	Genotype	phenology	plant height	order	visible flowers	flower color	fruit color	petal color	sepal color	stamen color	ovary color	seed color	initial growth	final growth	total growth	completeness	planted			
301	CF12072A-04-25	2022	5	2	2	2	4	0	0	0	0	4	0	0	Extended/Globular	Inflor.	89	True	3028016	
302	CF12072A-04-25	2022	5	1	3	0	3	0	0	2	2	0	2	0	0	BranchInflor.	89	True	3037016	
303	CF12072A-04-25	2022	5	2	2	2	4	0	0	0	0	4	0	0	Extended/Branched	Inflor.	89	True	3045016	
304	CF12072A-04-25	2022	5	1	4	0	4	0	0	8	8	0	2	0	0	BranchInflor.	89	True	3068016	
305	CF12072A-04-25	2022	5	2	3	1	4	0	0	0	0	4	0	0	BranchInflor.	89	True	3069016		
306	CF12072A-04-25	2022	5	2	4	0	4	0	0	2	1	0	3	0	0	Extended/Branched	Inflor.	89	True	3084016
307	CF12072A-04-25	2022	5	3	2	2	4	0	0	0	0	4	0	0	Extended/Globular	Inflor.	89	True	3095016	
308	CF12072A-04-25	2022	5	1	7	0	7	0	0	10	10	1	2	0	0	Extended/Branched	Inflor.	89	True	3112016
309	CF12072A-04-25	2022	5	2	3	0	3	0	0	5	5	0	2	0	0	BranchInflor.	89	True	3117016	
310	CF12072A-04-25	2022	5	2	2	0	2	0	0	6	3	0	1	0	0	BranchInflor.	89	True	3135016	
311	CF12072A-04-25	2022	5	2	3	0	3	0	0	5	4	0	2	0	0	BranchInflor.	89	True	3153016	
312	CF12072A-04-25	2022	5	3	1	3	4	0	0	0	0	4	0	0	Extended/Branched	Inflor.	89	True	3164016	
313	CF12072A-04-25	2022	5	2	2	0	2	0	0	5	5	0	1	0	0	Extended/Branched	Inflor.	89	True	3177016
314	CF12072A-04-25	2022	5	3	2	2	4	0	0	0	0	4	0	0	Extended/Branched	Inflor.	89	True	3182016	
315	CF12072A-04-25	2022	6	0	7	0	7	0	0	11	11	0	2	0	0	MainInflor.	89	True	3200199	
316	CF12072A-04-25	2022	6	1	4	0	4	0	0	8	8	0	2	0	0	BranchInflor.	89	True	3202199	
317	CF12072A-04-25	2022	6	2	4	0	4	0	0	0	0	4	0	0	BranchInflor.	89	True	3210199		

X	Genotype	phenology	plant_order	visible	flower_color	leaf_color	fruit_color	petal_color	sepal_color	stamen_color	ovary_color	anther_color	filament_color	style_color	stigma_color	fruit_shape	fruit_size	seed_count	seed_weight	seed_shape	
318	CF12072A-04-25	2022	6	2	5	0	5	0	0	6	2	0	3	0	0	Extended	Inflor.	89	True	3223	199
319	CF12072A-04-25	2022	6	3	1	1	2	0	0	0	0	2	0	0	Extended	dried/Hb	60	False	3242	199	
320	CF12072A-04-25	2022	6	1	4	0	4	0	0	9	9	0	2	0	0	Branch	Inflor.	89	True	3253	199
321	CF12072A-04-25	2022	6	2	3	0	3	0	0	0	0	3	0	0	Branch	died/albort	60	False	3268	199	
322	CF12072A-04-25	2022	6	2	2	0	2	0	0	7	7	0	1	0	0	Extended	Inflor.	89	True	3273	199
323	CF12072A-04-25	2022	6	3	3	0	3	0	0	5	0	0	2	0	0	Extended	Inflor.	60	True	3278	199
324	CF12072A-04-25	2022	6	1	4	0	4	0	0	9	9	0	2	0	0	Branch	Inflor.	89	True	3293	199
325	CF12072A-04-25	2022	6	2	3	1	4	0	0	0	0	0	4	0	0	Branch	died/Hb	60	False	3303	199
326	CF12072A-04-25	2022	6	2	2	0	2	0	0	6	6	0	1	0	0	Extended	Inflor.	89	True	3313	199
327	CF12072A-04-25	2022	6	3	3	0	3	0	0	0	0	0	3	0	0	Extended	dried/Gl	60	False	3323	199
328	CF12072A-04-25	2022	6	1	3	0	3	0	0	6	6	0	2	0	0	Branch	Inflor.	89	True	3343	199
329	CF12072A-04-25	2022	6	2	3	1	4	0	0	0	0	0	4	0	0	Extended	dried/Gl	60	False	3353	199
330	CF12072A-04-25	2022	6	1	2	0	2	0	0	6	6	0	1	0	0	Extended	Inflor.	89	True	3363	199
331	CF12072A-04-25	2022	6	2	4	0	4	0	0	0	0	0	4	0	0	Extended	dried/55	60	False	3372	199
332	CF94062A-04-25	2022	1	0	7	0	7	0	0	9	8	1	2	0	0	Main	Inflor.	89	True	3383	388
333	CF94062A-04-25	2022	1	1	5	2	7	0	0	0	0	0	7	0	0	Branch	died/Hb	60	False	3393	388
334	CF94062A-04-25	2022	1	1	3	0	3	0	0	19	14	0	2	0	0	Branch	Inflor.	89	True	3413	388

X	Genotype	modality	plant_order	visible	flower_color	petal_color	sepal_color	leaf_color	fruit_color	seed_color	stem_color	root_color	vegetative	inflorescence	branching	habit	status	complete	planted	
352	CF94-04-25	2022A	2	2	5	0	5	0	0	0	0	5	0	0	Extensive	vigilant	live	False	3607	535
353	CF94-04-25	2022A	2	3	2	1	3	0	0	0	0	3	0	0	Branchy	vegetative	False	3609	535	
354	CF94-04-25	2022A	2	1	1	0	1	0	0	0	0	1	0	0	Branchy	inflorescent	True	3633	535	
355	CF94-04-25	2022A	2	2	3	1	4	0	0	0	0	4	0	0	Extensive	vigilant	False	3637	535	
356	CF94-04-25	2022A	2	1	4	0	4	0	0	0	0	4	0	0	Branchy	vegetative	False	3653	535	
357	CF94-04-25	2022A	2	1	3	0	3	0	0	4	0	0	2	0	0	Extensive	inflorescent	True	3668	535
358	CF94-04-25	2022A	2	2	2	0	2	0	0	3	0	0	1	0	0	Extensive	inflorescent	True	3676	535
359	CF94-04-25	2022A	2	3	2	0	2	0	0	0	0	2	0	0	Extensive	inflorescent	True	3688	535	
360	CF94-04-25	2022A	3	0	7	0	7	0	0	6	6	0	2	0	0	Main	inflorescent	True	3696	695
361	CF94-04-25	2022A	3	1	1	0	1	0	0	6	6	0	0	0	0	Branchy	inflorescent	True	3698	695
362	CF94-04-25	2022A	3	2	3	0	3	0	0	3	3	0	2	0	0	Extensive	inflorescent	True	3706	695
363	CF94-04-25	2022A	3	3	3	0	3	0	0	2	1	0	2	0	0	Extensive	inflorescent	True	3708	695
364	CF94-04-25	2022A	3	4	1	2	3	0	0	0	0	0	3	0	0	Extensive	dried / herbaceous	False	3716	695
365	CF94-04-25	2022A	3	1	3	0	3	0	0	3	3	0	2	0	0	Branchy	inflorescent	True	3738	695
366	CF94-04-25	2022A	3	2	2	0	2	0	0	0	0	0	0	0	0	Extensive	inflorescent	True	3739	695
367	CF94-04-25	2022A	3	3	3	1	4	0	0	0	0	4	0	0	0	Branchy	dried / herbaceous	False	3748	695
368	CF94-04-25	2022A	3	3	4	0	4	0	0	3	0	0	3	0	0	Extensive	inflorescent	True	3756	695

X	Genotype	climod	platy	ordero	visibl	folia	atqui	hophia	Flower	halk	off	stod	veg	anicia	fl	h	whinst	comple	deplan	dulid
369	CF94-04-25	2022A	3	4	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflor	89	False	3762695
370	CF94-04-25	2022A	3	1	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflor	89	True	3782695
371	CF94-04-25	2022A	3	2	3	0	3	0	0	7	7	0	2	0	0	Extended	Inflor	89	True	3783695
372	CF94-04-25	2022A	3	3	1	1	2	0	0	0	0	0	2	0	0	Branch	died/Cl	bor	False	3792695
373	CF94-04-25	2022A	3	1	3	0	3	0	0	5	5	0	2	0	0	Branch	Inflor	89	True	3813695
374	CF94-04-25	2022A	3	2	3	0	3	0	0	2	1	0	3	0	0	Extended	Inflor	71	True	3823695
375	CF94-04-25	2022A	3	1	3	0	3	0	0	6	4	0	2	0	0	Extended	Inflor	89	True	3833695
376	CF94-04-25	2022A	3	2	4	0	4	0	0	3	1	0	3	0	0	Extended	Inflor	71	True	3843695
377	CF94-04-25	2022A	4	0	12	0	12	0	0	8	8	2	6	0	0	Main	Inflor	89	True	3873869
378	CF94-04-25	2022A	4	1	5	0	5	0	0	7	5	0	3	0	0	Branch	Inflor	89	True	3883869
379	CF94-04-25	2022A	4	2	5	0	5	0	0	3	3	0	4	0	0	Branch	Inflor	89	True	3893869
380	CF94-04-25	2022A	4	3	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflor	89	False	3903869
381	CF94-04-25	2022A	4	2	3	0	3	0	0	4	3	0	2	0	0	Extended	Inflor	89	True	3913869
382	CF94-04-25	2022A	4	3	3	1	4	0	0	0	0	0	4	0	0	Extended	Inflor	89	False	3923869
383	CF94-04-25	2022A	4	1	2	0	2	0	0	5	4	0	1	0	0	Branch	Inflor	89	True	3943869
384	CF94-04-25	2022A	4	2	4	2	6	0	0	0	0	0	6	0	0	Extended	Inflor	89	False	39493869
385	CF94-04-25	2022A	4	1	3	0	3	0	0	5	4	0	2	0	0	Branch	Inflor	89	True	3973869

X	Genotype	date	mod	plant	order	aro	vis	le	fol	at	qui	h	ph	ha	flow	et	h	all	off	st	low	veg	an	cia	fl	ph	h	win	st	com	ple	de	pl	and	id
386	CF94-04-25	2022A		4	2	2	2	4	0	0	0	0	0	0	0	4	0	0							Extended	Inflor	60	True	Fall	3970	3869				
387	CF94-04-25	2022A		4	1	2	0	2	0	0	5	5	0	1	0	0									Extended	Inflor	80	True	Fall	4010	3869				
388	CF94-04-25	2022A		4	2	4	0	4	0	0	0	0	0	3	0	0									Extended	Inflor	60	True	Fall	4013	3869				
389	CF94-04-25	2022A		5	0	6	0	6	0	0	9	9	0	4	0	0									Main	Inflor	80	True	Fall	4044	4040				
390	CF94-04-25	2022A		5	1	3	0	3	0	0	6	6	0	2	0	0									Branch	Inflor	80	True	Fall	4054	4040				
391	CF94-04-25	2022A		5	2	3	0	3	0	0	3	1	0	2	0	0									Extended	Inflor	71	True	Fall	4064	4040				
392	CF94-04-25	2022A		5	3	2	1	3	0	0	0	0	0	3	0	0									Extended	Inflor	60	True	Fall	4074	4040				
393	CF94-04-25	2022A		5	1	3	0	3	0	0	5	4	0	2	0	0									Extended	Inflor	80	True	Fall	4084	4040				
394	CF94-04-25	2022A		5	2	2	0	2	0	0	5	5	0	1	0	0									Extended	Inflor	80	True	Fall	4094	4040				
395	CF94-04-25	2022A		5	3	2	0	2	0	0	3	0	0	1	0	0									Extended	Inflor	60	True	Fall	4098	4040				
396	CF94-04-25	2022A		5	4	2	1	3	0	0	0	0	0	3	0	0									Extended	Inflor	60	True	Fall	4104	4040				
397	Ciflon-04-05	2022A		1	0	6	0	6	0	0	9	9	0	3	0	0									Main	Inflor	80	True	Fall	4119	4118				
398	Ciflon-04-05	2022A		1	1	7	0	7	0	0	0	0	0	2	0	0									Branch	Inflor	comp	True	Fall	4124	4118				
399	Ciflon-04-05	2022A		1	2	2	0	2	0	0	3	1	0	1	0	0									Branch	Inflor	71	True	Fall	4124	4118				
400	Ciflon-04-05	2022A		1	3	3	0	3	0	0	0	0	0	3	0	0									Extended	Inflor	60	True	Fall	4134	4118				
401	Ciflon-04-05	2022A		1	2	1	0	1	0	0	3	1	0	1	0	0									Branch	Inflor	71	True	Fall	4147	4118				
402	Ciflon-04-05	2022A		1	2	3	0	3	0	0	0	0	0	3	0	0									Branch	Inflor	60	True	Fall	4154	4118				

X	Genotype	climod	planyr	dero	visibl	folia	atqui	hophia	hosa	flowen	halk	offit	stowg	etania	flhyp	hlf	whstg	comple	depland	uled
454	Ciflor2022A 04-05	6	2	3	0	3	0	0	0	0	0	2	0	0	Extens	Inflor	89	True	4724	695
455	Ciflor2022A 04-05	6	1	3	0	3	0	0	15	12	0	1	0	0	Branch	Inflor	89	True	4744	695
456	Ciflor2022A 04-05	6	2	2	0	2	0	0	0	0	0	2	0	0	Branch	died/albort	False	4744	695	
457	Ciflor2022A 04-05	6	2	3	0	3	0	0	4	1	0	2	0	0	Extens	Inflor	71	True	4754	695
458	Ciflor2022A 04-05	6	3	3	0	3	0	0	0	0	0	3	0	0	Extens	Inflor	8	True	4762	695
459	Ciflor2022A 04-05	6	4	1	2	3	0	0	0	0	0	2	0	0	Extens	veget	False	4770	695	
460	Ciflor2022A 04-05	6	1	5	0	5	0	0	0	0	0	4	0	0	Branch	Inflor	89	True	4784	695
461	Ciflor2022A 04-05	6	2	3	0	3	0	0	0	0	0	3	0	0	Extens	Inflor	8	True	4800	695
462	Ciflor2022A 04-05	6	1	3	0	3	0	0	3	0	0	2	0	0	Extens	Inflor	60	True	4819	695
463	Ciflor2022A 04-05	6	2	3	0	3	0	0	0	0	0	3	0	0	Extens	Inflor	8	True	4827	695
464	Cigal2022A 04-19	1	0	10	0	10	0	0	10	10	0	4	0	0	Main	Inflor	89	True	4847	846
465	Cigal2022A 04-19	1	1	3	0	3	0	0	9	9	0	2	0	0	Branch	Inflor	89	True	4849	846
466	Cigal2022A 04-19	1	2	4	3	7	0	0	0	0	0	7	0	0	Extens	dried/Cl	False	4854	846	
467	Cigal2022A 04-19	1	1	4	0	4	0	0	6	6	0	3	0	0	Branch	Inflor	89	True	4882	846
468	Cigal2022A 04-19	1	2	4	3	7	0	0	0	0	0	7	0	0	Extens	dried/Cl	False	4894	846	
469	Cigal2022A 04-19	1	1	5	0	5	0	0	6	6	0	4	0	0	Branch	Inflor	89	True	4918	846
470	Cigal2022A 04-19	1	2	4	3	7	0	0	0	0	0	7	0	0	Extens	dried/Cl	False	4934	846	

X	Genotype	type	mod	pl	ty	rd	ro	vis	le	fol	an	va	qui	ho	ph	ha	fl	ov	ek	all	om	is	so	ro	ge	ta	cia	fl	yp	all	in	fl	wh	st	cu	ple	de	pl	and	id		
488	Cigala	2022A	2	1	3	0	3	0	0	4	4	0	2	0	0	Exte	Infl	89	ende	True	516	50	50																			
	04-19																																									
489	Cigala	2022A	2	2	2	0	2	0	0	1	0	0	1	0	0	Exte	Infl	60	ende	True	516	50	50																			
	04-19																																									
490	Cigala	2022A	2	0	2	0	2	0	0	0	0	0	0	0	0	Main	Infl	89	ende	True	518	3	182																			
	04-19																																									
491	Cigala	2022A	2	1	2	0	2	0	0	5	5	0	1	0	0	Branc	Infl	89	ende	True	518	5	182																			
	04-19																																									
492	Cigala	2022A	2	2	4	0	4	0	0	0	0	0	3	0	0	Exte	Infl	55	ende	True	519	0	182																			
	04-19																																									
493	Cigala	2022A	2	1	5	0	5	0	0	14	14	0	3	0	0	Exte	Infl	89	ende	True	521	2	182																			
	04-19																																									
494	Cigala	2022A	2	2	3	0	3	0	0	5	5	0	2	0	0	Branc	Infl	89	ende	True	522	3	182																			
	04-19																																									
495	Cigala	2022A	2	2	2	0	2	0	0	5	5	0	1	0	0	Exte	Infl	89	ende	True	524	4	182																			
	04-19																																									
496	Cigala	2022A	2	3	3	0	3	0	0	0	0	0	2	0	0	Exte	Infl	55	ende	True	524	9	182																			
	04-19																																									
497	Cigala	2022A	4	0	2	0	2	0	0	11	11	0	0	0	0	Main	Infl	89	ende	True	527	3	272																			
	04-19																																									
498	Cigala	2022A	4	1	2	0	2	0	0	4	4	0	1	0	0	Branc	Infl	89	ende	True	527	5	272																			
	04-19																																									
499	Cigala	2022A	4	2	3	0	3	0	0	0	0	0	3	0	0	Exte	nsion/Cl	bon	Fall/528	62	72																					
	04-19																																									
500	Cigala	2022A	4	1	2	0	2	0	0	6	6	0	1	0	0	Exte	Infl	89	ende	True	529	3	272																			
	04-19																																									
501	Cigala	2022A	4	2	3	0	3	0	0	6	4	0	2	0	0	Exte	Infl	89	ende	True	529	8	272																			
	04-19																																									
502	Cigala	2022A	4	3	2	1	3	0	0	0	0	0	3	0	0	Exte	nsion/Cl	bon	Fall/530	62	72																					
	04-19																																									
503	Cirei	2022A	1	0	7	0	7	0	0	6	6	1	4	0	0	Main	Infl	89	ende	True	532	5	320																			
	04-25																																									
504	Cirei	2022A	1	1	3	0	3	0	0	9	9	0	2	0	0	Branc	Infl	89	ende	True	533	5	320																			
	04-25																																									

X	Genotype	date	modality	plant_order	visible	flower_color	petal_color	sepal_color	leaf_color	total_flower_color	total_sepal_color	total_leaf_color	total_stem_color	total_node_color	total_inflorescence_color	total_fruit_color	total_plant_color	
522	Cireia-04-25	2022A	3	2	2	0	2	0	0	0	0	2	0	0	Extension	Inflorescence	False	55195461
523	Cireia-04-25	2022A	3	1	2	0	2	0	0	7	7	0	1	0	Branch	Inflorescence	True	5505461
524	Cireia-04-25	2022A	3	2	3	0	3	0	0	2	0	0	2	0	Extension	Inflorescence	True	5515461
525	Cireia-04-25	2022A	3	3	1	1	2	0	0	0	0	2	0	0	Extension	Inflorescence	False	55185461
526	Cireia-04-25	2022A	3	1	6	0	6	0	0	6	6	0	5	0	Extension	Inflorescence	True	5535461
527	Cireia-04-25	2022A	3	2	3	1	4	0	0	0	0	4	0	0	Extension	Inflorescence	False	55145461
528	Cireia-04-25	2022A	4	0	6	0	6	0	0	5	5	0	3	0	Main	Inflorescence	True	5564563
529	Cireia-04-25	2022A	4	1	6	0	6	0	0	6	5	1	4	0	Branch	Inflorescence	True	5566563
530	Cireia-04-25	2022A	4	2	4	0	4	0	0	0	0	4	0	0	Extension	Inflorescence	False	5583563
531	Cireia-04-25	2022A	4	1	3	0	3	0	0	7	7	0	2	0	Branch	Inflorescence	True	5599563
532	Cireia-04-25	2022A	4	2	6	0	6	0	0	0	0	5	1	0	Extension	Inflorescence	False	5600563
533	Cireia-04-25	2022A	4	1	3	0	3	0	0	9	9	0	1	0	Extension	Inflorescence	True	5638563
534	Cireia-04-25	2022A	4	2	4	0	4	0	0	0	0	3	0	0	Branch	Inflorescence	True	5640563
535	Cireia-04-25	2022A	4	3	3	0	3	0	0	0	0	3	0	0	Extension	Inflorescence	False	5655563
536	Cireia-04-25	2022A	4	2	3	0	3	0	0	5	5	0	2	0	Extension	Inflorescence	True	5667563
537	Cireia-04-25	2022A	4	3	3	1	4	0	0	0	0	4	0	0	Extension	Inflorescence	False	5677563
538	Cireia-04-25	2022A	5	0	8	0	8	0	0	12	12	2	4	0	Main	Inflorescence	True	5693692

X	Genotype	phenology	plant_order	visible	flower_color	fruit_color	petal_color	sepal_color	stamen_color	ovary_color	seed_color	seed_shape	seed_size	seed_weight	seed_volume	seed_density	seed_hardness	
539	Cireia2022A-04-25	5	1	6	0	6	0	0	8	8	1	4	0	0	Branch	Inflor.	89-True	5715692
540	Cireia2022A-04-25	5	2	5	4	9	0	0	0	0	1	8	0	0	Extended	Inf./aborted	170-Feb/5735692	
541	Cireia2022A-04-25	5	1	4	0	4	0	0	6	6	0	3	0	0	Extended	Inflor.	89-True	5765692
542	Cireia2022A-04-25	5	2	6	4	10	0	0	0	0	1	9	0	0	Extended	Inf./aborted	170-Feb/5775692	
543	Cireia2022A-04-25	6	0	4	0	4	0	0	11	11	0	1	0	0	Main	Inflor.	89-True	5807806
544	Cireia2022A-04-25	6	1	2	0	2	0	0	6	6	0	1	0	0	Branch	Inflor.	89-True	5809806
545	Cireia2022A-04-25	6	2	3	0	3	0	0	0	0	0	3	0	0	Extended	Inf./aborted	Feb/5815806	
546	Cireia2022A-04-25	6	1	2	0	2	0	0	0	0	0	2	0	0	Branch	died/aborted	Feb/5825806	
547	Cireia2022A-04-25	6	1	2	0	2	0	0	9	9	0	1	0	0	Extended	Inflor.	89-True	5839806
548	Cireia2022A-04-25	6	2	2	0	2	0	0	3	3	0	1	0	0	Extended	Inflor.	89-True	5844806
549	Cireia2022A-04-25	6	3	1	1	2	0	0	0	0	0	2	0	0	Extended	Inf./aborted	Feb/5849806	
550	CIR120722A-04-05	1	0	4	0	4	0	0	0	0	0	0	0	0	Main	Inflor.	complete	5865860
551	CIR120722A-04-05	1	1	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflor.	89-True	5865860
552	CIR120722A-04-05	1	2	5	0	5	0	0	6	0	0	4	0	0	Extended	Inflor.	60-True	5865860
553	CIR120722A-04-05	1	3	2	1	3	0	0	0	0	0	3	0	0	Extended	Inf./aborted	Feb/5885860	
554	CIR120722A-04-05	1	1	1	0	1	0	0	7	7	0	0	0	0	Branch	Inflor.	89-True	5895860
555	CIR120722A-04-05	1	2	3	0	3	0	0	0	0	0	2	0	0	Extended	Inflor.	55-True	5895860

X	Genotype	modality	plant	order	visible	flower	petal	petal	petal	flower	cal	cal	cal	stigma	initial	type	inflores	stage	complete	planned	
556	CIR1207-04-05	22A	1	1	1	0	1	0	0	9	7	0	0	0	0	Branch	Infloresc	89	True	5917	860
557	CIR1207-04-05	22A	1	2	4	0	4	0	0	8	1	0	3	0	0	Extension	Infloresc	71	True	5919	860
558	CIR1207-04-05	22A	1	3	3	3	6	0	0	0	0	0	6	0	0	Extension	Infloresc	71	False	5936	860
559	CIR1207-04-05	22A	1	1	4	0	4	0	0	12	12	0	3	0	0	Extension	Infloresc	89	True	5953	860
560	CIR1207-04-05	22A	1	2	2	0	2	0	0	9	9	0	1	0	0	Extension	Infloresc	89	True	5964	860
561	CIR1207-04-05	22A	1	3	1	0	1	0	0	3	0	0	0	0	0	Extension	Infloresc	60	True	5969	860
562	CIR1207-04-05	22A	1	4	2	1	3	0	0	0	0	0	3	0	0	Extension	Infloresc	71	False	5975	860
563	CIR1207-04-05	22A	2	0	4	0	4	0	0	0	0	0	1	0	0	Main	Infloresc	89	True	5987	986
564	CIR1207-04-05	22A	2	1	2	0	2	0	0	10	10	0	1	0	0	Branch	Infloresc	89	True	5989	986
565	CIR1207-04-05	22A	2	2	4	0	4	0	0	6	3	0	3	0	0	Extension	Infloresc	71	True	5994	986
566	CIR1207-04-05	22A	2	3	3	1	4	0	0	0	0	0	4	0	0	Extension	Infloresc	71	False	6005	986
567	CIR1207-04-05	22A	2	1	5	0	5	0	0	8	8	0	3	0	0	Branch	Infloresc	89	True	6025	986
568	CIR1207-04-05	22A	2	2	5	2	7	0	0	0	0	0	7	0	0	Branch	Infloresc	71	False	6036	986
569	CIR1207-04-05	22A	2	2	6	0	6	0	0	0	0	0	5	0	0	Extension	Infloresc	89	True	6066	986
570	CIR1207-04-05	22A	2	3	1	1	2	0	0	0	0	0	2	0	0	Extension	Infloresc	71	False	6077	986
571	CIR1207-04-05	22A	2	1	6	0	6	0	0	14	14	0	4	0	0	Extension	Infloresc	89	True	6088	986
572	CIR1207-04-05	22A	2	2	3	0	3	0	0	0	0	0	3	0	0	Branch	Infloresc	71	False	6096	986

X	Genotype	modality	plant_order	order	visible	foliar	leaf	petiole	petiole	petiole	flower	cal	lobes	stamens	stamens	initial	floral	inflorescence	complete	planned	yield
624	Clery04-05	2022A	1	1	2	0	2	0	0	5	5	0	1	0	0	Branch	Inflorescence	True	6574	6571	
625	Clery04-05	2022A	1	2	2	1	3	0	0	0	0	0	2	0	0	Extension	Inflorescence	True	6576	6571	
626	Clery04-05	2022A	1	1	3	0	3	0	0	5	5	0	2	0	0	Branch	Inflorescence	True	6598	6571	
627	Clery04-05	2022A	1	2	3	0	3	0	0	6	0	0	2	0	0	Extension	Inflorescence	True	6606	6571	
628	Clery04-05	2022A	1	3	3	0	3	0	0	0	0	0	2	0	0	Extension	Inflorescence	True	6616	6571	
629	Clery04-05	2022A	1	1	3	0	3	0	0	10	10	0	2	0	0	Extension	Inflorescence	True	6636	6571	
630	Clery04-05	2022A	1	2	2	0	2	0	0	5	5	0	1	0	0	Extension	Inflorescence	True	6648	6571	
631	Clery04-05	2022A	1	3	4	0	4	0	0	6	1	0	3	0	0	Extension	Inflorescence	True	6647	6571	
632	Clery04-05	2022A	1	4	1	3	4	0	0	0	0	0	4	0	0	Extension	Inflorescence	True	6658	6571	
633	Clery04-05	2022A	2	0	4	0	4	0	0	12	12	0	2	0	0	Main	Inflorescence	True	6677	6676	
634	Clery04-05	2022A	2	1	3	0	3	0	0	7	7	0	2	0	0	Branch	Inflorescence	True	6679	6676	
635	Clery04-05	2022A	2	2	2	0	2	0	0	5	5	0	1	0	0	Extension	Inflorescence	True	6687	6676	
636	Clery04-05	2022A	2	3	4	1	5	0	0	0	0	0	4	0	0	Extension	Inflorescence	True	6698	6676	
637	Clery04-05	2022A	2	1	3	0	3	0	0	4	4	0	2	0	0	Extension	Inflorescence	True	6726	6676	
638	Clery04-05	2022A	2	2	3	2	5	0	0	0	0	0	4	0	0	Extension	Inflorescence	True	6729	6676	
639	Clery04-05	2022A	3	0	4	0	4	0	0	0	0	0	1	0	0	Main	Inflorescence	True	6752	6751	
640	Clery04-05	2022A	3	1	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflorescence	True	6757	6751	

X	Genotype	date	modality	plant_order	order	visible	foliage	leaves	petiole	petiole	petiole	flower	calyx	lobes	stamens	stigma	style	anther	ovary	ovule	complete	planned
641	Clery	2022A-04-05	3	2	2	2	4	0	0	0	0	0	4	0	0	Extended	Inflores	89	False	6776	751	
642	Clery	2022A-04-05	3	1	3	0	3	0	0	5	5	0	2	0	0	Branch	Inflores	89	True	6778	751	
643	Clery	2022A-04-05	3	2	4	0	4	0	0	0	0	0	3	0	0	Extended	Inflores	55	True	6786	751	
644	Clery	2022A-04-05	3	1	4	0	4	0	0	8	8	0	3	0	0	Extended	Inflores	89	True	6816	751	
645	Clery	2022A-04-05	3	2	2	0	2	0	0	4	4	0	1	0	0	Extended	Inflores	89	True	6822	751	
646	Clery	2022A-04-05	3	3	3	1	4	0	0	0	0	0	3	0	0	Extended	Inflores	11	False	6826	751	
647	Clery	2022A-04-05	4	0	5	0	5	0	0	6	6	0	2	0	0	Main	Inflores	89	True	6856	850	
648	Clery	2022A-04-05	4	1	1	0	1	0	0	0	0	0	0	0	0	Branch	Inflores	GOETTER CASSE	89	True	6856	850
649	Clery	2022A-04-05	4	1	3	0	3	0	0	0	0	0	2	0	0	Extended	Inflores	55	True	6864	850	
650	Clery	2022A-04-05	4	2	3	0	3	0	0	0	0	0	3	0	0	Extended	Inflores	5	True	6872	850	
651	Clery	2022A-04-05	5	0	5	0	5	0	0	0	0	0	2	0	0	Main	Inflores	complete	True	6886	888	
652	Clery	2022A-04-05	5	1	2	0	2	0	0	8	6	0	1	0	0	Branch	Inflores	89	True	6897	888	
653	Clery	2022A-04-05	5	2	3	1	4	0	0	0	0	0	3	0	0	Extended	Inflores	11	False	6900	888	
654	Clery	2022A-04-05	5	1	5	0	5	0	0	12	11	0	3	0	0	Branch	Inflores	89	True	6924	888	
655	Clery	2022A-04-05	5	2	2	0	2	0	0	5	2	0	1	0	0	Branch	Inflores	71	True	6935	888	
656	Clery	2022A-04-05	5	3	2	2	4	0	0	0	0	0	4	0	0	Extended	Inflores	6	False	6946	888	
657	Clery	2022A-04-05	5	2	2	0	2	0	0	5	5	0	1	0	0	Extended	Inflores	89	True	6956	888	

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quih	opha	rhiza	flower	hbk	llo	st	low	veg	antia	fl	hpl	hlf	wh	stg	comple	depl	nd
658	Clery04-05	2022A	5	3	2	2	4	0	0	0	0	0	0	4	0	0	0	0	0	Extended	Inflor	89	Chond	False	696	6888
659	Clery04-05	2022A	5	1	4	0	4	0	0	14	14	0	2	0	0	0	0	0	0	Extended	Inflor	89	Ter	True	697	6888
660	Clery04-05	2022A	5	2	3	0	3	0	0	7	4	0	2	0	0	0	0	0	0	Branch	Inflor	89	Ter	True	698	6888
661	Clery04-05	2022A	5	2	2	0	2	0	0	3	3	0	1	0	0	0	0	0	0	Extended	Inflor	89	Ter	True	700	6888
662	Clery04-05	2022A	5	3	3	1	4	0	0	0	0	0	4	0	0	0	0	0	0	Branch	vegetative		False	700	6888	
663	Clery04-05	2022A	5	3	3	0	3	0	0	0	0	0	2	0	0	0	0	0	0	Extended	Inflor	89	Chond	False	702	6888
664	Clery04-05	2022A	1	0	10	0	10	0	0	0	0	0	6	0	0	0	0	0	0	Main	Inflor	89	abond	True	704	7044
665	Clery04-05	2022A	1	1	1	0	1	0	0	6	6	0	0	0	0	0	0	0	0	Branch	Inflor	89	Ter	True	705	7044
666	Clery04-05	2022A	1	2	2	1	3	0	0	0	0	0	3	0	0	0	0	0	0	Extended	Inflor	89	Chond	False	705	7044
667	Clery04-05	2022A	1	1	2	0	2	0	0	9	8	0	2	0	0	0	0	0	0	Branch	Inflor	89	Ter	True	707	7044
668	Clery04-05	2022A	1	1	1	0	1	0	0	4	4	0	0	0	0	0	0	0	0	Branch	Inflor	89	Ter	True	708	7044
669	Clery04-05	2022A	1	1	1	0	1	0	0	9	9	0	0	0	0	0	0	0	0	Extended	Inflor	89	Ter	True	709	7044
670	Clery04-05	2022A	1	2	2	0	2	0	0	4	4	0	1	0	0	0	0	0	0	Extended	Inflor	89	Ter	True	710	7044
671	Clery04-05	2022A	1	3	2	1	3	0	0	0	0	0	2	0	0	0	0	0	0	Extended	Inflor	89	Chond	False	711	7044
672	Darsel04-05	2022A	1	0	4	0	4	0	0	8	8	0	1	0	0	0	0	0	0	Main	Inflor	89	Ter	True	712	7122
673	Darsel04-05	2022A	1	1	2	0	2	0	0	0	0	0	1	0	0	0	0	0	0	Branch	Inflor	89	compe	True	712	7122
674	Darsel04-05	2022A	1	2	2	0	2	0	0	8	8	0	1	0	0	0	0	0	0	Extended	Inflor	89	Ter	True	713	7122

X	Genotype	year	modality	plant_order	root_order	visible	foliar	flower	fruit	petiole	inflorescence	flower_color	fruit_color	vegetative_color	initial_color	final_color	inflorescence_type	flower_color	fruit_color	completeness	plant_order	root_order
709	Darsel	2022A	5	1	1	0	1	0	0	9	9	0	0	0	0	0	Branch	Inflorescence	True	7437	7428	
710	Darsel	2022A	5	2	1	0	1	0	0	6	6	0	0	0	0	0	Extension	Inflorescence	True	7437	7428	
711	Darsel	2022A	5	3	3	0	3	0	0	0	0	0	3	0	0	0	Extension	Inflorescence	True	7447	7428	
712	Darsel	2022A	5	1	2	0	2	0	0	10	10	0	1	0	0	0	Extension	Inflorescence	True	7455	7428	
713	Darsel	2022A	5	2	3	0	3	0	0	10	8	0	2	0	0	0	Extension	Inflorescence	True	7467	7428	
714	Darsel	2022A	5	3	1	0	1	0	0	0	0	0	1	0	0	0	Extension	Inflorescence	True	7467	7428	
715	Dread	2022A	1	0	2	0	2	0	0	0	0	0	0	0	0	0	Main	Inflorescence	True	7477	7476	
716	Dread	2022A	1	1	2	0	2	0	0	4	3	0	1	0	0	0	Branch	Inflorescence	True	7477	7476	
717	Dread	2022A	1	2	4	0	4	0	0	2	2	0	3	0	0	0	Extension	Inflorescence	True	7487	7476	
718	Dread	2022A	1	3	2	0	2	0	0	0	0	0	2	0	0	0	Extension	Inflorescence	True	7495	7476	
719	Dread	2022A	1	1	3	0	3	0	0	6	6	0	1	0	0	0	Extension	Inflorescence	True	7506	7476	
720	Dread	2022A	1	2	2	0	2	0	0	5	4	0	1	0	0	0	Branch	Inflorescence	True	7517	7476	
721	Dread	2022A	1	3	2	0	2	0	0	4	2	0	1	0	0	0	Extension	Inflorescence	True	7516	7476	
722	Dread	2022A	1	2	3	0	3	0	0	5	3	0	2	0	0	0	Extension	Inflorescence	True	7532	7476	
723	Dread	2022A	1	3	3	0	3	0	0	3	3	0	2	0	0	0	Extension	Inflorescence	True	7540	7476	
724	Dread	2022A	1	4	3	0	3	0	0	3	0	0	1	0	0	0	Extension	Inflorescence	True	7548	7476	
725	Dread	2022A	1	5	1	0	1	0	0	0	0	0	1	0	0	0	Branch	Inflorescence	True	7557	7476	

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phlo	phlo	flow	etk	all	off	st	low	veg	ant	cia	fl	ph	inf	wh	st	com	ple	de	pland	uled
726	Dread	2022A	1	5	1	1	2	0	0	0	0	0	2	0	0	Extended	Inflores	89	False	755	757	757	757	757	757	757	757	757	757	757
		04-19																												
727	Dread	2022A	2	0	2	0	2	0	0	0	0	0	0	0	0	Main	Inflores	89	True	757	757	757	757	757	757	757	757	757	757	757
		04-19																												
728	Dread	2022A	2	1	3	0	3	0	0	2	2	0	2	0	0	Branch	Inflores	89	True	757	757	757	757	757	757	757	757	757	757	757
		04-19																												
729	Dread	2022A	2	2	2	2	4	0	0	0	0	0	4	0	0	Extended	Inflores	89	False	755	757	757	757	757	757	757	757	757	757	757
		04-19																												
730	Dread	2022A	2	1	2	0	2	0	0	0	0	0	1	0	0	Extended	Inflores	89	True	759	757	757	757	757	757	757	757	757	757	757
		04-19																												
731	Dread	2022A	2	2	2	0	2	0	0	0	0	0	0	0	0	Extended	Inflores	89	True	760	757	757	757	757	757	757	757	757	757	757
		04-19																												
732	Dread	2022A	2	3	2	0	2	0	0	7	7	0	0	0	0	Branch	Inflores	89	True	760	757	757	757	757	757	757	757	757	757	757
		04-19																												
733	Dread	2022A	2	4	3	0	3	0	0	4	4	0	2	0	0	Branch	Inflores	89	True	760	757	757	757	757	757	757	757	757	757	757
		04-19																												
734	Dread	2022A	2	5	3	0	3	0	0	4	3	0	2	0	0	Extended	Inflores	89	True	761	757	757	757	757	757	757	757	757	757	757
		04-19																												
735	Dread	2022A	2	6	3	0	3	0	0	0	0	0	3	0	0	Extended	Inflores	55	True	762	757	757	757	757	757	757	757	757	757	757
		04-19																												
736	Dread	2022A	2	4	3	0	3	0	0	6	6	0	2	0	0	Extended	Inflores	89	True	765	757	757	757	757	757	757	757	757	757	757
		04-19																												
737	Dread	2022A	2	5	3	0	3	0	0	3	3	0	2	0	0	Extended	Inflores	89	True	766	757	757	757	757	757	757	757	757	757	757
		04-19																												
738	Dread	2022A	2	6	3	0	3	0	0	0	0	0	2	0	0	Extended	Inflores	55	True	766	757	757	757	757	757	757	757	757	757	757
		04-19																												
739	Dread	2022A	2	3	6	0	6	0	0	0	0	0	4	0	0	Extended	Inflores	89	True	769	757	757	757	757	757	757	757	757	757	757
		04-19																												
740	Dread	2022A	2	4	2	0	2	0	0	6	5	0	1	0	0	Branch	Inflores	89	True	770	757	757	757	757	757	757	757	757	757	757
		04-19																												
741	Dread	2022A	2	5	3	0	3	0	0	2	2	0	2	0	0	Extended	Inflores	89	True	771	757	757	757	757	757	757	757	757	757	757
		04-19																												
742	Dread	2022A	2	6	1	0	1	0	0	0	0	0	1	0	0	Extended	Inflores	89	False	772	757	757	757	757	757	757	757	757	757	757
		04-19																												

X	Genotype	date	modality	plant_order	order_	visible	foliage	leaves	petioles	stems	flowers	calyxes	lobes	to	ovary	tissue	initial	floral	inflorescence	stage	completed	planned
743	Dreadnought	2022-04-19	A	2	4	2	0	2	0	0	0	2	0	1	0	0	Extended	Inflor.	80%	True	7728	572
744	Dreadnought	2022-04-19	A	2	5	3	0	3	0	0	0	0	2	0	0	Extended	Inflor.	80%	True	7733	572	
745	Dreadnought	2022-04-19	A	2	6	1	0	1	0	0	0	0	1	0	0	Extended	Inflor./Hbort	Fed/cut	7744	572		
746	Dreadnought	2022-04-19	A	3	0	4	0	4	0	0	12	10	0	2	0	0	Main	Inflor.	80%	True	7753	752
747	Dreadnought	2022-04-19	A	3	1	2	0	2	0	0	6	5	0	0	0	0	Branch	Inflor.	80%	True	7761	752
748	Dreadnought	2022-04-19	A	3	2	2	0	2	0	0	3	2	0	1	0	0	Branch	Inflor.	80%	True	7763	752
749	Dreadnought	2022-04-19	A	3	3	2	0	2	0	0	3	0	0	1	0	0	Extended	Inflor.	60%	True	7768	752
750	Dreadnought	2022-04-19	A	3	4	1	1	2	0	0	0	0	0	2	0	0	Extended	Inflor./Hbort	Fed/cut	7777	752	
751	Dreadnought	2022-04-19	A	3	2	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflor./Hbort	Fed/cut	7784	752	
752	Dreadnought	2022-04-19	A	3	1	2	0	2	0	0	5	4	0	1	0	0	Extended	Inflor.	80%	True	7797	752
753	Dreadnought	2022-04-19	A	3	2	1	0	1	0	0	4	4	0	0	0	0	Extended	Inflor.	80%	True	7802	752
754	Dreadnought	2022-04-19	A	3	3	3	0	3	0	0	6	1	0	2	0	0	Extended	Inflor.	75%	True	7804	752
755	Dreadnought	2022-04-19	A	3	4	1	1	2	0	0	0	0	0	2	0	0	Extended	Inflor./Hbort	Fed/cut	7812	752	
756	Dreadnought	2022-04-19	A	4	0	9	0	9	0	0	14	13	0	6	0	0	Main	Inflor.	80%	True	7825	824
757	Dreadnought	2022-04-19	A	4	1	4	0	4	0	0	5	5	0	2	0	0	Branch	Inflor.	80%	True	7827	824
758	Dreadnought	2022-04-19	A	4	2	2	0	2	0	0	3	2	0	1	0	0	Branch	Inflor.	80%	True	7835	824
759	Dreadnought	2022-04-19	A	4	3	2	0	2	0	0	2	0	0	1	0	0	Extended	Inflor.	60%	True	7847	824

X	Genotype	climmod	plant	order	aro_vis	blef	coll	atq	quih	phala	flow	etk	all	off	st	low	veg	an	cia	fl	h	h	wh	st	com	ple	pl	nd	ul
777	garig2022A-04-05		1	0	9	0	9	0	0	19	19	0	7	0	0		Main	Inflor	89				True	803	8	037			
778	garig2022A-04-05		1	1	2	0	2	0	0	8	8	0	2	0	0		Branch	Inflor	89				True	806	8	037			
779	garig2022A-04-05		1	2	5	0	5	0	0	0	0	0	4	0	0		Extens	sig	17				False	806	6	037			
780	garig2022A-04-05		1	1	2	0	2	0	0	9	9	0	1	0	0		Extens	Inflor	89				True	809	7	037			
781	garig2022A-04-05		1	2	2	0	2	0	0	8	0	0	1	0	0		Extens	Inflor	60				True	810	2	037			
782	garig2022A-04-05		2	0	13	0	13	0	0	18	18	0	10	0	0		Main	Inflor	89				True	812	2	121			
783	garig2022A-04-05		2	1	1	0	1	0	0	9	8	0	0	0	0		Branch	Inflor	89				True	814	8	121			
784	garig2022A-04-05		2	2	6	0	6	0	0	0	0	0	6	0	0		Extens	ried/Fl	bon	Fall	81		False	815	6	121			
785	garig2022A-04-05		2	1	2	0	2	0	0	10	10	0	1	0	0		Branch	Inflor	89				True	817	8	121			
786	garig2022A-04-05		2	2	5	0	5	0	0	5	1	0	4	0	0		Extens	Inflor	71				True	818	3	121			
787	garig2022A-04-05		2	3	3	0	3	0	0	0	0	0	3	0	0		Extens	ried/Fl	bon	Fall	81		False	819	8	121			
788	garig2022A-04-05		2	1	3	0	3	0	0	8	8	0	2	0	0		Extens	Inflor	89				True	821	8	121			
789	garig2022A-04-05		2	2	3	0	3	0	0	6	0	0	2	0	0		Extens	Inflor	60				True	821	9	121			
790	garig2022A-04-05		3	0	9	0	9	0	0	4	4	0	6	0	0		Main	Inflor	89				True	824	8	247			
791	garig2022A-04-05		3	1	2	0	2	0	0	5	5	0	1	0	0		Branch	Inflor	89				True	826	8	247			
792	garig2022A-04-05		3	2	1	0	1	0	0	0	0	0	1	0	0		Extens	Inflor	ab	cont			True	827	3	247			
793	garig2022A-04-05		3	1	1	0	1	0	0	3	3	0	1	0	0		Branch	Inflor	89				True	828	6	247			

X	Genotype	climmod	planyr	ordero	visibl	foliav	quihop	phiala	flower	halk	offit	stolovg	etania	clifly	hph	hwhinst	comple	deplan	uled
811	garig2022A 04-05		5	1	2	0	2	0	0	8	0	0	1	0	0	Extensiflor	89	True	8503463
812	garig2022A 04-05		5	2	1	1	2	0	0	0	0	0	1	0	0	Extensiflor/Ghonor	Fals	8510463	
813	garig2022A 04-05		6	0	14	0	14	0	0	6	6	0	10	0	0	MainInflor	89	True	8528526
814	garig2022A 04-05		6	1	2	0	2	0	0	0	0	0	1	0	0	BranchInflor	89	True	8558526
815	garig2022A 04-05		6	2	3	0	3	0	0	12	6	0	3	0	0	Extensiflor	89	True	8568526
816	garig2022A 04-05		6	1	2	0	2	0	0	6	4	0	1	0	0	BranchInflor	89	True	8574526
817	garig2022A 04-05		6	2	3	0	3	0	0	3	0	0	2	0	0	Extensiflor	60	True	8578526
818	garig2022A 04-05		6	1	2	0	2	0	0	5	5	0	2	0	0	BranchInflor	89	True	8608526
819	garig2022A 04-05		6	1	2	0	2	0	0	5	5	0	2	0	0	BranchInflor	89	True	8618526
820	Leroy2022A Ladue-19		1	0	1	0	1	0	0	0	0	0	0	0	0	MainInflor	escape	True	8623622
821	Leroy2022A Ladue-19		1	1	5	0	5	0	0	12	9	0	3	0	0	Extensiflor	89	True	8628622
822	Leroy2022A Ladue-19		1	2	3	0	3	0	0	8	7	0	3	0	0	BranchInflor	89	True	8638622
823	Leroy2022A Ladue-19		1	3	3	5	8	0	0	0	0	2	6	0	0	Extensivigintal	18	False	8644622
824	Leroy2022A Ladue-19		1	2	4	0	4	0	0	7	6	2	2	0	0	Extensiflor	89	True	8672622
825	Leroy2022A Ladue-19		1	3	5	5	10	0	0	0	0	2	8	0	0	Extensivigintal	17	False	8683622
826	Leroy2022A Ladue-19		2	0	1	0	1	0	0	0	0	0	0	0	0	MainInflor	escape	True	8718718
827	Leroy2022A Ladue-19		2	1	1	0	1	0	0	0	0	0	0	0	0	Extensiflor	escape	True	8728718

X	Genotype	Year	Modality	Plant	Order	Flower	Visible	Foliage	Leaves	Top	Pinnae	How	End	Call	Color	Stems	Longer	Vascular	Initial	Clonal	Phyll.	Bud	Infl.	Stage	Complete	Planned
828	Lero-Ladu01-19	2022A	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	External	Inflor.	escap.	True	8723	8718	
829	Lero-Ladu01-19	2022A	2	3	5	0	5	0	0	17	12	0	4	0	0	0	0	0	0	External	Inflor.	scand.	True	8723	8718	
830	Lero-Ladu01-19	2022A	2	4	7	4	11	0	0	0	0	3	8	0	0	0	0	0	0	Branch	vegetal	live	False	8736	8718	
831	Lero-Ladu01-19	2022A	2	4	3	0	3	0	0	11	5	0	3	0	0	0	0	0	0	External	Inflor.	scand.	True	8772	8718	
832	Lero-Ladu01-19	2022A	2	5	3	4	7	0	0	0	0	3	4	0	0	0	0	0	0	Extensiv	sigatal	live	False	8788	8718	
833	Lero-Ladu01-19	2022A	3	0	7	0	7	0	0	13	13	2	2	0	0	0	0	0	0	Main	Inflor.	scand.	True	8808	8808	
834	Lero-Ladu01-19	2022A	3	1	8	4	12	0	0	0	0	7	5	0	0	0	0	0	0	Branch	dried / live	dead	False	8818	8808	
835	Lero-Ladu01-19	2022A	3	1	4	0	4	0	0	7	6	1	2	0	0	0	0	0	0	Branch	Inflor.	scand.	True	8858	8808	
836	Lero-Ladu01-19	2022A	3	2	4	4	8	0	0	0	0	0	8	0	0	0	0	0	0	Extensiv	dried / live	dead	False	8878	8808	
837	Lero-Ladu01-19	2022A	3	1	4	0	4	0	0	12	7	1	2	0	0	0	0	0	0	External	Inflor.	scand.	True	8908	8808	
838	Lero-Ladu01-19	2022A	3	2	4	4	8	0	0	0	0	1	7	0	0	0	0	0	0	Extensiv	dried / live	dead	False	8918	8808	
839	Lero-Ladu01-19	2022A	4	0	12	0	12	0	0	19	19	3	5	0	0	0	0	0	0	Main	Inflor.	scand.	True	8948	8940	
840	Lero-Ladu01-19	2022A	4	1	7	0	7	0	0	11	5	3	4	0	0	0	0	0	0	Branch	Inflor.	scand.	True	8943	8940	
841	Lero-Ladu01-19	2022A	4	2	2	4	6	0	0	0	0	0	6	0	0	0	0	0	0	Extensiv	sigatal	live	False	8963	8940	
842	Lero-Ladu01-19	2022A	4	1	5	5	10	0	0	0	0	4	6	0	0	0	0	0	0	Branch	vegetal	live	False	8983	8940	
843	Lero-Ladu01-19	2022A	4	1	5	0	5	0	0	13	8	0	5	0	0	0	0	0	0	Branch	Inflor.	scand.	True	9033	8940	
844	Lero-Ladu01-19	2022A	4	2	3	4	7	0	0	0	0	0	7	0	0	0	0	0	0	Extensiv	sigatal	live	False	9047	8940	

X	Genotype	year	modality	plant_order	root_order	visible	foliage	leaves	petiole	inflorescence	flower	calyx	corolla	stamen	ovary	initial	type	inflorescence	stage	complete	planned	yield
845	Leroy-Ladugué-19	2022A	4	1	9	4	13	0	0	0	0	4	9	0	0	Branch	vegetative	17	False	9072	940	
846	Leroy-Ladugué-19	2022A	4	1	2	0	2	0	0	11	6	0	2	0	0	Branch	inflorescence	89	True	9118	940	
847	Leroy-Ladugué-19	2022A	4	2	4	3	7	0	0	0	0	0	7	0	0	Extension	vegetative	17	False	9122	940	
848	Leroy-Ladugué-19	2022A	4	1	4	0	4	0	0	13	9	1	2	0	0	Extension	inflorescence	89	True	9148	940	
849	Leroy-Ladugué-19	2022A	4	2	4	3	7	0	0	0	0	0	7	0	0	Extension	inflorescence/flower	91	False	9158	940	
850	Leroy-Ladugué-19	2022A	4	0	9	0	9	0	0	12	12	2	4	0	0	Main	inflorescence	55	True	9184	183	
851	Leroy-Ladugué-19	2022A	4	1	9	0	9	0	0	0	0	4	4	0	0	Branch	vegetative	17	False	9186	183	
852	Leroy-Ladugué-19	2022A	4	1	1	0	1	0	0	15	9	0	1	0	0	Branch	inflorescence	55	True	9216	183	
853	Leroy-Ladugué-19	2022A	4	2	7	2	9	0	0	0	0	0	9	0	0	Extension	vegetative	17	False	9218	183	
854	Leroy-Ladugué-19	2022A	4	1	3	0	3	0	0	0	0	1	2	0	0	Branch	inflorescence	89	True	9258	183	
855	Leroy-Ladugué-19	2022A	4	2	5	2	7	0	0	0	0	2	5	0	0	Extension	vegetative	17	False	9266	183	
856	Leroy-Ladugué-19	2022A	4	1	4	0	4	0	0	9	3	1	3	0	0	Extension	inflorescence	55	True	9297	183	
857	Leroy-Ladugué-19	2022A	4	2	2	2	4	0	0	0	0	0	4	0	0	Extension	vegetative	17	False	9308	183	
858	Leroy-Ladugué-19	2022A	6	0	11	0	11	0	0	16	16	4	4	0	0	Main	inflorescence	89	True	9325	324	
859	Leroy-Ladugué-19	2022A	6	1	6	0	6	0	0	16	6	3	2	0	0	Branch	inflorescence	89	True	9327	324	
860	Leroy-Ladugué-19	2022A	6	2	3	5	8	0	0	0	0	3	5	0	0	Extension	inflorescence/flower	91	False	9344	324	
861	Leroy-Ladugué-19	2022A	6	1	4	0	4	0	0	16	8	2	1	0	0	Branch	inflorescence	89	True	9396	324	

X	Genotype	phenology	plant height	order	visible flowers	flower color	petal shape	petal color	stamen color	anther color	ovary color	seed color	seed shape	seed size	seed weight	seed volume	seed density	seed viability			
862	Leroy04-19	2022A	6	2	3	3	6	0	0	0	0	0	6	0	0	Extended	Inflor.	70	False	9410	324
863	Leroy04-19	2022A	6	1	6	0	6	0	0	10	3	0	4	0	0	Extended	Inflor.	75	True	9429	324
864	Leroy04-19	2022A	6	2	3	4	7	0	0	0	0	3	4	0	0	Extended	Inflor.	70	False	9410	324
865	Magn04-11	2022A	1	0	7	0	7	0	0	0	0	0	3	0	0	MainInflor.	comp.	70	True	9479	477
866	Magn04-11	2022A	1	1	1	0	1	0	0	8	8	0	0	0	0	BranchInflor.	scend.	80	True	9489	477
867	Magn04-11	2022A	1	2	3	0	3	0	0	4	2	0	2	0	0	Extended	Inflor.	71	True	9489	477
868	Magn04-11	2022A	1	1	2	0	2	0	0	8	6	0	1	0	0	BranchInflor.	scend.	80	True	9504	477
869	Magn04-11	2022A	1	2	2	0	2	0	0	0	0	0	2	0	0	Extended	Inflor.	70	False	9509	477
870	Magn04-11	2022A	1	1	3	0	3	0	0	6	2	0	2	0	0	BranchInflor.	scend.	71	True	9529	477
871	Magn04-11	2022A	1	1	1	0	1	0	0	2	2	0	0	0	0	Extended	Inflor.	80	True	9539	477
872	Magn04-11	2022A	1	2	4	0	4	0	0	0	0	0	4	0	0	Extended	Inflor.	55	True	9539	477
873	Magn04-11	2022A	2	0	5	0	5	0	0	0	0	0	1	0	0	MainInflor.	comp.	70	True	9559	555
874	Magn04-11	2022A	2	1	6	1	7	0	0	0	0	0	7	0	0	BranchInflor.	died / abort.	70	False	9559	555
875	Magn04-11	2022A	2	1	2	0	2	0	0	4	3	0	0	0	0	BranchInflor.	scend.	80	True	9582	555
876	Magn04-11	2022A	2	2	1	0	1	0	0	0	0	0	1	0	0	BranchInflor.	died / abort.	70	False	9589	555
877	Magn04-11	2022A	2	2	3	2	5	0	0	0	0	0	5	0	0	Extended	Inflor.	70	False	9589	555
878	Magn04-11	2022A	2	1	2	0	2	0	0	6	6	0	0	0	0	BranchInflor.	scend.	80	True	9609	555

X	Genotype	date	mode	plant	order	aro_vis	blef	coll	at	qu	h	ph	ha	flow	et	h	all	off	st	low	veg	an	cia	fl	yp	all	h	wh	st	com	ple	de	pl	du	id	
964	Mand	2022A	6	2	2	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-05																																		
965	Mand	2022A	6	1	4	0	4	0	0	10	10	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-05																																		
966	Mout	2022A	1	0	3	0	3	0	0	10	10	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
967	Mout	2022A	1	1	2	0	2	0	0	7	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
968	Mout	2022A	1	2	2	0	2	0	0	16	10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
969	Mout	2022A	1	3	3	0	3	0	0	8	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
970	Mout	2022A	2	0	4	0	4	0	0	10	9	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
971	Mout	2022A	2	1	2	0	2	0	0	6	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
972	Mout	2022A	2	2	3	0	3	0	0	3	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
973	Mout	2022A	2	3	2	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
974	Mout	2022A	2	1	2	0	2	0	0	8	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
975	Mout	2022A	2	2	3	0	3	0	0	5	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
976	Mout	2022A	2	3	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
977	Mout	2022A	3	0	3	0	3	0	0	16	16	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
978	Mout	2022A	3	1	5	0	5	0	0	11	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
979	Mout	2022A	3	2	3	2	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		
980	Mout	2022A	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		04-19																																		

X	Genotype	date	mode	plant	order	aro_vis	blef	collat	quinh	phell	phell	flower	hallow	fruit	seed	veg	antia	fl	h	h	win	stg	comple	deplan	uled
981	Mout	2022A	4	1	3	0	3	0	0	15	15	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		04-19																							
982	Mout	2022A	4	2	4	0	4	0	0	6	6	0	3	0	0	0	0	0	0	0	0	0	0	0	0
		04-19																							
983	Mout	2022A	4	3	2	0	2	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
		04-19																							
984	Mout	2022A	4	4	1	4	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
		04-19																							
985	Mout	2022A	4	2	2	0	2	0	0	11	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		04-19																							
986	Mout	2022A	4	3	2	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		04-19																							
987	Mout	2022A	4	4	1	0	1	0	0	6	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		04-19																							
988	Mout	2022A	4	5	4	3	7	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
		04-19																							
989	Osiri	2022A	1	0	7	0	7	0	0	11	10	0	4	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							
990	Osiri	2022A	1	1	1	0	1	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							
991	Osiri	2022A	1	2	2	0	2	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							
992	Osiri	2022A	1	3	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							
993	Osiri	2022A	1	1	4	0	4	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							
994	Osiri	2022A	1	1	3	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							
995	Osiri	2022A	2	0	8	0	8	0	0	9	9	0	2	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							
996	Osiri	2022A	2	1	2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							
997	Osiri	2022A	2	1	1	0	1	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		04-11																							

X	Genotype	year	modality	plant_order	order	visible	foliage	leaves	petiole	petiole	petiole	flower	calyx	lobes	stamens	stigma	style	anther	ovary	ovule	seed	complete	planted	date
998	Osiris	2022A	2	2	3	0	3	0	0	11	7	0	2	0	0	Extended	Inflor.	89	True	10916	899			
999	Osiris	2022A	2	3	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflor./Fl.	55	True	10924	899			
1000	Osiris	2022A	2	1	3	0	3	0	0	7	7	0	1	0	0	Branch	Inflor.	89	True	10938	899			
1001	Osiris	2022A	2	2	3	0	3	0	0	5	2	0	2	0	0	Branch	Inflor.	71	True	10940	899			
1002	Osiris	2022A	2	3	1	0	1	0	0	0	0	0	1	0	0	Extended	Inflor.	55	True	10948	899			
1003	Osiris	2022A	2	2	3	0	3	0	0	5	1	0	2	0	0	Extended	Inflor.	71	True	10958	899			
1004	Osiris	2022A	2	3	2	0	2	0	0	0	0	0	2	0	0	Extended	Inflor./Fl.	89	True	10960	899			
1005	Osiris	2022A	2	1	2	0	2	0	0	0	0	0	2	0	0	Branch	died / aborted		True	10970	899			
1006	Osiris	2022A	2	1	3	0	3	0	0	10	5	0	2	0	0	Branch	Inflor.	89	True	10980	899			
1007	Osiris	2022A	2	2	2	0	2	0	0	0	0	0	2	0	0	Extended	Inflor./Fl.	89	True	10990	899			
1008	Osiris	2022A	2	1	3	0	3	0	0	9	5	0	2	0	0	Extended	Inflor.	89	True	11007	899			
1009	Osiris	2022A	2	2	1	1	2	0	0	0	0	0	2	0	0	Extended	Inflor./Fl.	89	True	11010	899			
1010	Osiris	2022A	3	0	3	0	3	0	0	0	0	0	1	0	0	Main	Inflor.	except	True	11020	025			
1011	Osiris	2022A	3	1	4	0	4	0	0	8	8	0	2	0	0	Branch	Inflor.	89	True	11031	025			
1012	Osiris	2022A	3	2	4	0	4	0	0	5	1	0	3	0	0	Branch	Inflor.	71	True	11039	025			
1013	Osiris	2022A	3	2	3	0	3	0	0	7	2	0	2	0	0	Extended	Inflor.	71	True	11060	025			
1014	Osiris	2022A	3	3	1	1	2	0	0	0	0	0	2	0	0	Extended	Inflor./Fl.	89	True	11068	025			

X	Genotype	date	mode	plant	order	no_vis	le_fol	at_q	in_h	ph_h	flow	et_h	all	off	st	low	veg	ant	cia	fl	ph	inf	win	st	com	ple	de	pland	uled
1015	Osiris	2022A	3	1	6	0	6	0	0	13	13	0	4	0	0		Extens	Inflor	89	True	11079	1025							
		04-11																											
1016	Osiris	2022A	3	2	3	0	3	0	0	7	3	0	2	0	0		Branch	Inflor	89	True	11093	1025							
		04-11																											
1017	Osiris	2022A	3	3	1	1	2	0	0	0	0	0	2	0	0		Extens	dried/Ebon	89	False	11101	1025							
		04-11																											
1018	Osiris	2022A	3	2	3	0	3	0	0	10	6	0	2	0	0		Extens	Inflor	89	True	11111	1025							
		04-11																											
1019	Osiris	2022A	3	3	2	2	4	0	0	0	0	0	4	0	0		Extens	dried/Ebon	89	False	11119	1025							
		04-11																											
1020	Osiris	2022A	4	0	6	0	6	0	0	0	0	0	1	0	0		Main	Inflor	89	True	11137	136							
		04-11																											
1021	Osiris	2022A	4	1	5	0	5	0	0	9	9	0	4	0	0		Branch	Inflor	89	True	11142	136							
		04-11																											
1022	Osiris	2022A	4	2	3	0	3	0	0	7	3	0	2	0	0		Extens	Inflor	89	True	11156	136							
		04-11																											
1023	Osiris	2022A	4	3	2	1	3	0	0	0	0	0	3	0	0		Extens	dried/Ebon	89	False	11164	136							
		04-11																											
1024	Osiris	2022A	4	1	3	0	3	0	0	9	5	0	2	0	0		Branch	Inflor	89	True	11178	136							
		04-11																											
1025	Osiris	2022A	4	2	2	2	4	0	0	0	0	0	4	0	0		Extens	dried/Ebon	89	False	11186	136							
		04-11																											
1026	Osiris	2022A	4	1	3	0	3	0	0	5	5	0	1	0	0		Branch	Inflor	89	True	11202	136							
		04-11																											
1027	Osiris	2022A	4	2	3	1	4	0	0	0	0	0	4	0	0		Branch	dried/Ebon	89	False	11207	136							
		04-11																											
1028	Osiris	2022A	4	2	4	2	6	0	0	0	0	0	6	0	0		Extens	dried/Ebon	89	False	11222	136							
		04-11																											
1029	Osiris	2022A	4	1	4	0	4	0	0	10	10	0	1	0	0		Branch	Inflor	89	True	11244	136							
		04-11																											
1030	Osiris	2022A	4	2	2	0	2	0	0	6	6	0	1	0	0		Branch	Inflor	89	True	11246	136							
		04-11																											
1031	Osiris	2022A	4	3	1	2	3	0	0	0	0	0	3	0	0		Extens	dried/Ebon	89	False	11251	136							
		04-11																											

X	Genotype	date	mode	plant	order	aro_vis	ble	folia	at	qui	h	ph	ha	flow	er	h	all	off	st	low	veg	an	cia	fl	ph	h	wh	st	com	ple	de	pl	and	id	
104	Osiris	2022A	6	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Main	In	fl	res	com	pe	True	1144	1448			
	04-11																																		
105	Osiris	2022A	6	1	4	0	4	0	0	4	4	0	2	0	0	0	0	0	0	0	0	0	0	Branch	In	fl	res	ende	True	1145	1448				
	04-11																																		
105	Osiris	2022A	6	2	2	3	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	Branch	died	/	El	bon	F	ely	cut	1146	1448		
	04-11																																		
105	Osiris	2022A	6	2	2	0	2	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	Ext	In	fl	res	ende	True	1147	1448				
	04-11																																		
105	Osiris	2022A	6	1	4	0	4	0	0	10	10	0	3	0	0	0	0	0	0	0	0	0	0	Branch	In	fl	res	ende	True	1149	1448				
	04-11																																		
105	Osiris	2022A	6	2	3	0	3	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	Ext	In	fl	res	ende	True	1150	1448				
	04-11																																		
105	Osiris	2022A	6	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ext	In	fl	res	com	pe	True	1152	1448			
	04-11																																		
105	Osiris	2022A	6	2	5	0	5	0	0	8	7	0	4	0	0	0	0	0	0	0	0	0	0	Branch	In	fl	res	ende	True	1152	1448				
	04-11																																		
105	Osiris	2022A	6	3	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	Ext	died	/	El	bon	F	ely	cut	1153	1448		
	04-11																																		
105	Osiris	2022A	6	2	6	0	6	0	0	11	11	0	4	0	0	0	0	0	0	0	0	0	0	Ext	In	fl	res	ende	True	1154	1448				
	04-11																																		
105	Osiris	2022A	6	3	3	0	3	0	0	6	5	0	2	0	0	0	0	0	0	0	0	0	0	Branch	In	fl	res	ende	True	1156	1448				
	04-11																																		
106	Osiris	2022A	6	4	1	2	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	Ext	died	/	El	bon	F	ely	cut	1157	1448		
	04-11																																		
106	Osiris	2022A	6	3	3	0	3	0	0	5	3	0	2	0	0	0	0	0	0	0	0	0	0	Ext	In	fl	res	ende	True	1158	1448				
	04-11																																		
106	Osiris	2022A	6	4	2	1	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	Ext	died	/	El	bon	F	ely	cut	1159	1448		
	04-11																																		
106	Rubis	2022A	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Main	In	fl	res	com	pe	True	1160	8607			
	04-19																																		
106	Rubis	2022A	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ext	In	fl	res	com	pe	True	1161	0607			
	04-19																																		
106	Rubis	2022A	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ext	In	fl	res	com	pe	True	1161	2607			
	04-19																																		

X	Genotype	year	modality	plant_order	visible_foliage	flower_color	petal_color	sepal_color	leaf_color	fruit_color	seed_color	stem_color	branch_color	initial_blossom	final_blossom	inflorescence_type	complete_plant_died	
1083	Rubioides	2022A-04-19	4	2	3	0	3	0	0	7	2	0	2	0	0	Extensiflorous	True	11849835
1084	Rubioides	2022A-04-19	4	3	3	0	3	0	0	0	0	0	3	0	0	Extensiflorous/Globular	False	11851835
1085	Saniou	2022A-04-19	1	0	4	0	4	0	0	8	8	0	1	0	0	MainInflorescence	True	11871871
1086	Saniou	2022A-04-19	1	1	2	0	2	0	0	0	0	0	0	0	0	BranchInflorescence	True	11874871
1087	Saniou	2022A-04-19	1	2	4	0	4	0	0	0	0	0	4	0	0	BranchInflorescence/Hybrid	False	11876871
1088	Saniou	2022A-04-19	1	2	1	0	1	0	0	6	6	0	0	0	0	Extensiflorous	True	11891871
1089	Saniou	2022A-04-19	1	3	1	0	1	0	0	5	5	0	0	0	0	Extensiflorous	True	11893871
1090	Saniou	2022A-04-19	1	4	1	0	1	0	0	8	7	0	0	0	0	Extensiflorous	True	11895871
1091	Saniou	2022A-04-19	1	5	3	0	3	0	0	0	0	0	3	0	0	Extensiflorous	True	11897871
1092	Saniou	2022A-04-19	1	1	1	0	1	0	0	4	4	0	0	0	0	BranchInflorescence	True	11911871
1093	Saniou	2022A-04-19	1	2	4	0	4	0	0	3	2	0	3	0	0	Extensiflorous	True	11915871
1094	Saniou	2022A-04-19	1	3	2	0	2	0	0	0	0	0	1	0	0	Extensiflorous	True	11920871
1095	Saniou	2022A-04-19	1	4	1	1	2	0	0	0	0	0	2	0	0	Extensiflorous/Hybrid	False	11931871
1096	Saniou	2022A-04-19	1	1	3	0	3	0	0	4	4	0	1	0	0	Extensiflorous	True	11940871
1097	Saniou	2022A-04-19	1	2	3	0	3	0	0	5	4	0	1	0	0	Extensiflorous	True	11957871
1098	Saniou	2022A-04-19	1	3	3	0	3	0	0	0	0	0	2	0	0	Extensiflorous	True	11968871
1099	Saniou	2022A-04-19	2	0	3	0	3	0	0	16	16	0	0	0	0	MainInflorescence	True	11980985

X	Genotype	date	mode	plant	order	aro_vis	blef	collar	triqui	hoph	haha	flower	halk	off	st	down	veget	an	cia	fl	h	h	win	st	com	ple	de	pland	uled
1115	Sani@2022A	04-19	3	3	3	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1115	Sani@2022A	04-19	3	1	2	0	2	0	0	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1115	Sani@2022A	04-19	3	2	4	0	4	0	0	2	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1126	Sani@2022A	04-19	3	3	3	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	3	1	2	0	2	0	0	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	3	2	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	3	1	4	0	4	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	3	2	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1126	Sani@2022A	04-19	4	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	4	3	5	0	5	0	0	16	16	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	Sani@2022A	04-19	4	4	3	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1136	Sani@2022A	04-19	4	5	1	2	3	0	0	6	6	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1135	Sani@2022A	04-19	4	4	3	0	3	0	0	9	9	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1135	Sani@2022A	04-19	4	5	3	0	3	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1135	Sani@2022A	04-19	4	6	1	2	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X	Genotype	date	mode	plant	order	aro_vis	blef	coll	at_q	in_h	ph	h	flow	et	h	all	off	st	low	ge	an	cia	fl	ph	h	in	st	com	ple	de	pl	and
1135	Sani-04-19	2022A	5	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Main	In	fl	res	ce	nd	True	1229	12291	
1135	Sani-04-19	2022A	5	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Exte	In	fl	res	ce	nd	True	1229	12291	
1136	Sani-04-19	2022A	5	2	3	0	3	0	0	20	10	0	0	0	0	0	0	0	0	0	0	0	Exte	In	fl	res	ce	nd	True	1229	12291	
1135	Sani-04-19	2022A	5	3	1	0	1	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	Branc	In	fl	res	ce	nd	True	1229	12291	
1135	Sani-04-19	2022A	5	4	4	0	4	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	Exte	nsion	/ab	or	ted	cl	1230	12302	291	
1135	Sani-04-19	2022A	5	5	1	2	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	Exte	nsion	/E	bor	ted	cl	1230	12302	291	
1146	Sani-04-19	2022A	5	3	3	0	3	0	0	7	7	0	2	0	0	0	0	0	0	0	0	0	Branc	In	fl	res	ce	nd	True	1232	12321	291
1145	Sani-04-19	2022A	5	4	2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	Exte	nsion	/ab	or	ted	cl	1233	12332	291	
1145	Sani-04-19	2022A	5	3	4	0	4	0	0	9	9	0	3	0	0	0	0	0	0	0	0	0	Exte	In	fl	res	ce	nd	True	1234	12341	291
1145	Sani-04-19	2022A	5	4	3	0	3	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	Exte	In	fl	res	ce	nd	True	1235	12351	291
1145	Sani-04-19	2022A	5	5	1	2	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	Exte	nsion	/E	bor	ted	cl	1236	12362	291	
1145	Sani-04-19	2022A	6	0	2	0	2	0	0	17	15	0	1	0	0	0	0	0	0	0	0	0	Main	In	fl	res	ce	nd	True	1237	12378	
1146	Sani-04-19	2022A	6	1	2	0	2	0	0	6	5	0	1	0	0	0	0	0	0	0	0	0	Exte	In	fl	res	ce	nd	True	1238	12378	
1145	Sani-04-19	2022A	6	2	3	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	Exte	In	fl	res	ce	nd	True	1238	12378	
1145	Sans ri-vale 05	2022A	1	0	10	0	10	0	0	20	20	0	4	0	0	0	0	0	0	0	0	0	Main	In	fl	res	ce	nd	True	1240	12402	
1145	Sans ri-vale 05	2022A	1	1	3	0	3	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	Branc	In	fl	res	ce	nd	True	1240	12402	
1156	Sans ri-vale 05	2022A	1	2	2	0	2	0	0	9	9	0	1	0	0	0	0	0	0	0	0	0	Exte	In	fl	res	ce	nd	True	1241	12402	

X	Genotype	modality	platform	order	visible	foliar	herbaceous	total	phenology	flowering	height	fruit	seed	longevity	retention	initial	clonal	inflorescence	stage	complete	planned	utilized
1155	Sans ri-vale	2022A-04-05	1	3	3	0	3	0	0	5	0	0	2	0	0	Extended	Inflor.	89	-	True	1242	12402
1156	Sans ri-vale	2022A-04-05	1	4	1	2	3	0	0	0	0	0	3	0	0	Extended	Inflor./Gbor	89	Fed/sc	1244	12402	
1157	Sans ri-vale	2022A-04-05	1	1	2	0	2	0	0	10	10	0	1	0	0	Branch	Inflor.	89	-	True	1244	12402
1158	Sans ri-vale	2022A-04-05	1	2	2	0	2	0	0	8	8	0	1	0	0	Extended	Inflor.	89	-	True	1244	12402
1159	Sans ri-vale	2022A-04-05	1	3	3	0	3	0	0	6	3	0	2	0	0	Extended	Inflor.	71	-	True	1243	12402
1160	Sans ri-vale	2022A-04-05	1	4	2	2	4	0	0	0	0	0	4	0	0	Extended	Inflor./Gbor	89	Fed/sc	1246	12402	
1161	Sans ri-vale	2022A-04-05	1	1	2	0	2	0	0	4	4	0	1	0	0	Branch	Inflor.	89	-	True	1248	12402
1162	Sans ri-vale	2022A-04-05	1	2	5	0	5	0	0	0	0	0	4	0	0	Extended	Inflor.	89	-	True	1248	12402
1163	Sans ri-vale	2022A-04-05	1	1	10	0	10	0	0	18	18	0	6	0	0	Branch	Inflor.	89	-	True	1251	12402
1164	Sans ri-vale	2022A-04-05	1	2	7	1	8	0	0	0	0	0	7	0	0	Branch	died/Gbor	89	Fed/sc	1254	12402	
1165	Sans ri-vale	2022A-04-05	1	3	2	0	2	0	0	3	3	0	1	0	0	Branch	Inflor.	89	-	True	1252	12402
1166	Sans ri-vale	2022A-04-05	1	4	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflor./Gbor	89	Fed/sc	1253	12402	
1167	Sans ri-vale	2022A-04-05	1	2	2	0	2	0	0	7	7	0	1	0	0	Branch	Inflor.	89	-	True	1256	12402
1168	Sans ri-vale	2022A-04-05	1	3	2	1	3	0	0	0	0	0	3	0	0	Extended	Inflor./aborted	89	Fed/sc	1256	12402	
1169	Sans ri-vale	2022A-04-05	1	2	2	0	2	0	0	12	12	0	1	0	0	Branch	Inflor.	89	-	True	1259	12402
1170	Sans ri-vale	2022A-04-05	1	3	2	0	2	0	0	10	7	0	1	0	0	Extended	Inflor.	89	-	True	1259	12402
1171	Sans ri-vale	2022A-04-05	1	4	1	1	2	0	0	0	0	0	2	0	0	Extended	Inflor./Ebor	89	Fed/sc	1260	12402	

X	Genotype	modality	plant_order	visible	flower_color	leaf_color	fruit_color	petal_color	sepal_color	total_length	total_width	total_weight	total_area	initial_size	final_size	inflorescence_type	complete	planted
1168	Sans ri-vale 04-05	2022A	1	2	2	0	2	0	0	13	13	0	1	0	0	Extension/Inflorescence	True	12612402
1169	Sans ri-vale 04-05	2022A	1	3	2	0	2	0	0	7	3	0	1	0	0	Extension/Inflorescence	True	12612402
1170	Sans ri-vale 04-05	2022A	1	4	2	1	3	0	0	0	0	0	3	0	0	Extension/Globular/Fed/cylindrical	True	12612402
1171	Sans ri-vale 04-05	2022A	1	1	3	0	3	0	0	11	10	0	2	0	0	Branch/Inflorescence	True	12612402
1172	Sans ri-vale 04-05	2022A	1	2	3	0	3	0	0	0	0	0	2	0	0	Extension/Inflorescence	True	12612402
1173	Sans ri-vale 04-05	2022A	1	1	2	0	2	0	0	9	9	0	1	0	0	Extension/Inflorescence	True	12612402
1174	Sans ri-vale 04-05	2022A	1	2	3	0	3	0	0	8	6	0	2	0	0	Extension/Inflorescence	True	12612402
1175	Sans ri-vale 04-05	2022A	1	3	2	0	2	0	0	0	0	0	1	0	0	Extension/Inflorescence	True	12612402
1176	Sans ri-vale 04-05	2022A	2	0	6	0	6	0	0	18	18	0	1	0	0	Main/Inflorescence	True	12702705
1177	Sans ri-vale 04-05	2022A	2	1	1	0	1	0	0	4	1	0	0	0	0	Branch/Inflorescence	True	12712705
1178	Sans ri-vale 04-05	2022A	2	2	2	0	2	0	0	0	0	0	2	0	0	Extension/Inflorescence	True	12712705
1179	Sans ri-vale 04-05	2022A	2	1	1	0	1	0	0	13	13	0	0	0	0	Branch/Inflorescence	True	12712705
1180	Sans ri-vale 04-05	2022A	2	2	3	0	3	0	0	6	5	0	2	0	0	Extension/Inflorescence	True	12712705
1181	Sans ri-vale 04-05	2022A	2	3	1	0	1	0	0	0	0	0	1	0	0	Extension/Inflorescence	True	12712705
1182	Sans ri-vale 04-05	2022A	2	1	2	0	2	0	0	6	6	0	1	0	0	Branch/Inflorescence	True	12712705
1183	Sans ri-vale 04-05	2022A	2	2	2	0	2	0	0	0	0	0	2	0	0	Extension/Inflorescence	True	12712705
1184	Sans ri-vale 04-05	2022A	2	1	4	0	4	0	0	3	0	0	3	0	0	Branch/Inflorescence	True	12712705

X	Genotype	mode	plant	order	aro_vis	ble_fol	at_q	oil_h	ph_h	flow	et_k	all_o	nitro	low	veg	ant	cia	fl	ph	inf	win	str	com	ple	de	land	uled
1185	Sans 2022A	2	1	3	0	3	0	0	3	3	0	2	0	0	Extens	Inflores	89	True	1277	12705							
	ri- 04- vale 05																										
1186	Sans 2022A	3	0	10	0	10	0	0	18	18	0	5	0	0	Main	Inflores	89	True	1279	12789							
	ri- 04- vale 05																										
1187	Sans 2022A	3	1	4	0	4	0	0	13	13	0	3	0	0	Branch	Inflores	89	True	1279	12789							
	ri- 04- vale 05																										
1188	Sans 2022A	3	2	3	0	3	0	0	6	6	0	2	0	0	Extens	Inflores	89	True	1280	12789							
	ri- 04- vale 05																										
1189	Sans 2022A	3	3	1	1	2	0	0	0	0	0	2	0	0	Extens	Inflores	89	True	1281	12789							
	ri- 04- vale 05																										
1190	Sans 2022A	3	1	3	0	3	0	0	11	11	0	2	0	0	Branch	Inflores	89	True	1282	12789							
	ri- 04- vale 05																										
1191	Sans 2022A	3	2	2	0	2	0	0	12	12	0	1	0	0	Extens	Inflores	89	True	1283	12789							
	ri- 04- vale 05																										
1192	Sans 2022A	3	3	2	0	2	0	0	8	8	0	1	0	0	Extens	Inflores	89	True	1284	12789							
	ri- 04- vale 05																										
1193	Sans 2022A	3	1	1	0	1	0	0	14	14	0	0	0	0	Branch	Inflores	89	True	1285	12789							
	ri- 04- vale 05																										
1194	Sans 2022A	3	2	2	0	2	0	0	11	11	0	1	0	0	Extens	Inflores	89	True	1286	12789							
	ri- 04- vale 05																										
1195	Sans 2022A	3	3	1	2	3	0	0	0	0	0	3	0	0	Extens	Inflores	89	True	1287	12789							
	ri- 04- vale 05																										
1196	Sans 2022A	3	1	1	0	1	0	0	0	0	0	1	0	0	Branch	Inflores	89	True	1288	12789							
	ri- 04- vale 05																										
1197	Sans 2022A	3	1	3	0	3	0	0	6	6	0	2	0	0	Extens	Inflores	89	True	1289	12789							
	ri- 04- vale 05																										
1198	Sans 2022A	3	2	1	1	2	0	0	0	0	0	2	0	0	Extens	Inflores	89	True	1290	12789							
	ri- 04- vale 05																										

3 Results

3.1 Plant Scale analysis

3.1.1 Mean and standard deviation for each variable

3.1.1.1 Table 4: Table of Mean and standard deviation of variable in plant scale data

Table 4: Table of Mean and standard deviation of variable in plant scale data

Genotype	date	modality	date	stage	n	total	prob	Genotype	date	modality	date	stage	n	total	prob							
Mar-04-05	2022-04-23	27	25.83	0	0	30.50	0.00	08.50	00	5.50	34.38	62.65	78.16	00	0	0	10.97	18.00	89.00	2.51	21.73	94.21
Mon-04-19	2022-04-14	20	17.25	0	0	35.25	0.00	02.75	00	4.50	50.24	73.24	80.99	50	0	0	6.95	70.00	20.00	2.08	58.22	75.26
Ose-04-11	2022-04-36	17	40.07	0	0	49.35	0.00	07.67	00	8.34	66.67	11.33	01.99	34	0	0	14.46	03.00	09.00	1.97	80.50	20.63
Ru-04-19	2022-04-17	35	20.75	0	0	24.00	0.50	05.50	00	4.00	50.00	50.75	42.99	10	0	0	6.85	45.18	35.00	2.10	58.10	65.71
San-04-19	2022-04-25	20	17.67	0	0	39.88	0.70	07.50	00	8.62	70.59	50.33	1.45	01	0	0	11.55	84.00	04.00	3.61	42.94	28.37
San-ri-04-05	2022-04-47	07	32.00	0	0	105.93	0.70	03.67	00	12.60	670.38	0031.79	36.00	0	0	0	55.78	09.05	05.00	7.00	80.89	60.58

3.1.1.2 Figure 1: Pointwise mean for each variable according date at plant scale

3.1.2 Stage distributions

3.1.2.1 Table 5: Table of stage distribution at plant scale

Table 5: Table of stage distribution at plant scale

Genotype	modality	date	stage	n	total	prob
Belle_et_Bonne	A	2022-04-25	17	4	59	6.78
Belle_et_Bonne	A	2022-04-25	17.0	3	59	5.08
Belle_et_Bonne	A	2022-04-25	18	1	59	1.69
Belle_et_Bonne	A	2022-04-25	55	3	59	5.08
Belle_et_Bonne	A	2022-04-25	55.0	4	59	6.78
Belle_et_Bonne	A	2022-04-25	60	3	59	5.08
Belle_et_Bonne	A	2022-04-25	71	3	59	5.08
Belle_et_Bonne	A	2022-04-25	71.0	1	59	1.69
Belle_et_Bonne	A	2022-04-25	89	26	59	44.07
Belle_et_Bonne	A	2022-04-25	89.0	5	59	8.47
Belle_et_Bonne	A	2022-04-25	A	3	59	5.08
Belle_et_Bonne	A	2022-04-25	aborted	1	59	1.69
Belle_et_Bonne	A	2022-04-25	F	1	59	1.69
Belle_et_Bonne	A	2022-04-25	I	1	59	1.69
Belrubu	A	2022-04-25	19	1	42	2.38
Belrubu	A	2022-04-25	55	2	42	4.76
Belrubu	A	2022-04-25	60	2	42	4.76
Belrubu	A	2022-04-25	89	22	42	52.38
Belrubu	A	2022-04-25	aborted	5	42	11.90
Belrubu	A	2022-04-25	coupe	1	42	2.38
Belrubu	A	2022-04-25	E	1	42	2.38
Belrubu	A	2022-04-25	F	1	42	2.38

Genotype	modality	date	stage	n	total	prob
Belrubi	A	2022-04-25	G	2	42	4.76
Belrubi	A	2022-04-25	H	5	42	11.90
CF10122	A	2022-04-11	55	9	53	16.98
CF10122	A	2022-04-11	55.0	5	53	9.43
CF10122	A	2022-04-11	60	1	53	1.89
CF10122	A	2022-04-11	89	21	53	39.62
CF10122	A	2022-04-11	A	1	53	1.89
CF10122	A	2022-04-11	aborted	2	53	3.77
CF10122	A	2022-04-11	coupe	5	53	9.43
CF10122	A	2022-04-11	E	1	53	1.89
CF10122	A	2022-04-11	F	3	53	5.66
CF10122	A	2022-04-11	G	2	53	3.77
CF10122	A	2022-04-11	H	2	53	3.77
CF10122	A	2022-04-11	I	1	53	1.89
CF10277	A	2022-04-19	60	2	83	2.41
CF10277	A	2022-04-19	71	6	83	7.23
CF10277	A	2022-04-19	89	36	83	43.37
CF10277	A	2022-04-19	aborted	25	83	30.12
CF10277	A	2022-04-19	coupe	1	83	1.20
CF10277	A	2022-04-19	G	7	83	8.43
CF10277	A	2022-04-19	H	3	83	3.61
CF10277	A	2022-04-19	I	3	83	3.61
CF12074	A	2022-04-25	55	4	95	4.21
CF12074	A	2022-04-25	60	6	95	6.32
CF12074	A	2022-04-25	71	6	95	6.32
CF12074	A	2022-04-25	89	46	95	48.42
CF12074	A	2022-04-25	A	1	95	1.05
CF12074	A	2022-04-25	aborted	2	95	2.11
CF12074	A	2022-04-25	coupe	4	95	4.21
CF12074	A	2022-04-25	D	2	95	2.11
CF12074	A	2022-04-25	E	3	95	3.16
CF12074	A	2022-04-25	F	5	95	5.26
CF12074	A	2022-04-25	G	9	95	9.47
CF12074	A	2022-04-25	H	7	95	7.37
CF9416	A	2022-04-25		3	65	4.62
CF9416	A	2022-04-25	55	1	65	1.54
CF9416	A	2022-04-25	60	5	65	7.69
CF9416	A	2022-04-25	71	5	65	7.69
CF9416	A	2022-04-25	89	29	65	44.62
CF9416	A	2022-04-25	aborted	1	65	1.54
CF9416	A	2022-04-25	coupe	1	65	1.54
CF9416	A	2022-04-25	F	2	65	3.08
CF9416	A	2022-04-25	G	4	65	6.15
CF9416	A	2022-04-25	H	13	65	20.00
CF9416	A	2022-04-25	I	1	65	1.54
Ciflorette	A	2022-04-05		4	67	5.97
Ciflorette	A	2022-04-05	55	4	67	5.97
Ciflorette	A	2022-04-05	60	3	67	4.48
Ciflorette	A	2022-04-05	71	3	67	4.48
Ciflorette	A	2022-04-05	89	27	67	40.30
Ciflorette	A	2022-04-05	aborted	6	67	8.96
Ciflorette	A	2022-04-05	B	1	67	1.49

Genotype	modality	date	stage	n	total	prob
Ciflorette	A	2022-04-05	C	1	67	1.49
Ciflorette	A	2022-04-05	coupe	3	67	4.48
Ciflorette	A	2022-04-05	D	2	67	2.99
Ciflorette	A	2022-04-05	E	2	67	2.99
Ciflorette	A	2022-04-05	F	6	67	8.96
Ciflorette	A	2022-04-05	G	4	67	5.97
Ciflorette	A	2022-04-05	I	1	67	1.49
Cigaline	A	2022-04-19	55	2	39	5.13
Cigaline	A	2022-04-19	60	1	39	2.56
Cigaline	A	2022-04-19	89	23	39	58.97
Cigaline	A	2022-04-19	coupe	1	39	2.56
Cigaline	A	2022-04-19	E	1	39	2.56
Cigaline	A	2022-04-19	G	9	39	23.08
Cigaline	A	2022-04-19	H	2	39	5.13
CIR107	A	2022-04-05		8	73	10.96
CIR107	A	2022-04-05	55	10	73	13.70
CIR107	A	2022-04-05	60	3	73	4.11
CIR107	A	2022-04-05	71	5	73	6.85
CIR107	A	2022-04-05	89	22	73	30.14
CIR107	A	2022-04-05	aborted	4	73	5.48
CIR107	A	2022-04-05	C	2	73	2.74
CIR107	A	2022-04-05	coupe	8	73	10.96
CIR107	A	2022-04-05	E	4	73	5.48
CIR107	A	2022-04-05	F	1	73	1.37
CIR107	A	2022-04-05	G	3	73	4.11
CIR107	A	2022-04-05	H	1	73	1.37
CIR107	A	2022-04-05	I	2	73	2.74
Cireine	A	2022-04-25	17.0	2	47	4.26
Cireine	A	2022-04-25	55	1	47	2.13
Cireine	A	2022-04-25	60	1	47	2.13
Cireine	A	2022-04-25	89	25	47	53.19
Cireine	A	2022-04-25	89.0	3	47	6.38
Cireine	A	2022-04-25	aborted	3	47	6.38
Cireine	A	2022-04-25	coupe	1	47	2.13
Cireine	A	2022-04-25	E	4	47	8.51
Cireine	A	2022-04-25	F	1	47	2.13
Cireine	A	2022-04-25	G	3	47	6.38
Cireine	A	2022-04-25	H	3	47	6.38
Clery	A	2022-04-05		1	49	2.04
Clery	A	2022-04-05	55	2	49	4.08
Clery	A	2022-04-05	60	1	49	2.04
Clery	A	2022-04-05	71	2	49	4.08
Clery	A	2022-04-05	89	24	49	48.98
Clery	A	2022-04-05	aborted	1	49	2.04
Clery	A	2022-04-05	COEUR CASSE	1	49	2.04
Clery	A	2022-04-05	coupe	3	49	6.12
Clery	A	2022-04-05	E	1	49	2.04
Clery	A	2022-04-05	F	1	49	2.04
Clery	A	2022-04-05	G	5	49	10.20
Clery	A	2022-04-05	H	6	49	12.24
Clery	A	2022-04-05	I	1	49	2.04
Darselect	A	2022-04-05	55	1	43	2.33

Genotype	modality	date	stage	n	total	prob
Darselect	A	2022-04-05	60	1	43	2.33
Darselect	A	2022-04-05	71	1	43	2.33
Darselect	A	2022-04-05	89	24	43	55.81
Darselect	A	2022-04-05	aborted	5	43	11.63
Darselect	A	2022-04-05	coupe	6	43	13.95
Darselect	A	2022-04-05	E	1	43	2.33
Darselect	A	2022-04-05	F	2	43	4.65
Darselect	A	2022-04-05	G	2	43	4.65
Dream	A	2022-04-19	55	7	62	11.29
Dream	A	2022-04-19	55.0	1	62	1.61
Dream	A	2022-04-19	60	4	62	6.45
Dream	A	2022-04-19	71	5	62	8.06
Dream	A	2022-04-19	71.0	1	62	1.61
Dream	A	2022-04-19	89	29	62	46.77
Dream	A	2022-04-19	89.0	3	62	4.84
Dream	A	2022-04-19	coupe	4	62	6.45
Dream	A	2022-04-19	F	1	62	1.61
Dream	A	2022-04-19	G	2	62	3.23
Dream	A	2022-04-19	H	3	62	4.84
Dream	A	2022-04-19	I	2	62	3.23
gariguette	A	2022-04-05		1	43	2.33
gariguette	A	2022-04-05	17	1	43	2.33
gariguette	A	2022-04-05	60	4	43	9.30
gariguette	A	2022-04-05	71	1	43	2.33
gariguette	A	2022-04-05	89	26	43	60.47
gariguette	A	2022-04-05	aborted	4	43	9.30
gariguette	A	2022-04-05	E	1	43	2.33
gariguette	A	2022-04-05	F	3	43	6.98
gariguette	A	2022-04-05	G	1	43	2.33
gariguette	A	2022-04-05	H	1	43	2.33
Leroy Ladurie	A	2022-04-19		1	45	2.22
Leroy Ladurie	A	2022-04-19	17	11	45	24.44
Leroy Ladurie	A	2022-04-19	17.0	6	45	13.33
Leroy Ladurie	A	2022-04-19	18	1	45	2.22
Leroy Ladurie	A	2022-04-19	55	3	45	6.67
Leroy Ladurie	A	2022-04-19	71.0	1	45	2.22
Leroy Ladurie	A	2022-04-19	89	10	45	22.22
Leroy Ladurie	A	2022-04-19	89.0	6	45	13.33
Leroy Ladurie	A	2022-04-19	C	1	45	2.22
Leroy Ladurie	A	2022-04-19	coupe	5	45	11.11
Magnum	A	2022-04-11	55	5	55	9.09
Magnum	A	2022-04-11	60	4	55	7.27
Magnum	A	2022-04-11	71	3	55	5.45
Magnum	A	2022-04-11	89	21	55	38.18
Magnum	A	2022-04-11	aborted	4	55	7.27
Magnum	A	2022-04-11	C	1	55	1.82
Magnum	A	2022-04-11	coupe	3	55	5.45
Magnum	A	2022-04-11	D	1	55	1.82
Magnum	A	2022-04-11	E	4	55	7.27
Magnum	A	2022-04-11	F	3	55	5.45
Magnum	A	2022-04-11	G	5	55	9.09
Magnum	A	2022-04-11	I	1	55	1.82

Genotype	modality	date	stage	n	total	prob
Manon	A	2022-04-05	55	4	46	8.70
Manon	A	2022-04-05	55.0	1	46	2.17
Manon	A	2022-04-05	60	6	46	13.04
Manon	A	2022-04-05	60.0	1	46	2.17
Manon	A	2022-04-05	71	4	46	8.70
Manon	A	2022-04-05	71.0	1	46	2.17
Manon	A	2022-04-05	89	13	46	28.26
Manon	A	2022-04-05	89.0	1	46	2.17
Manon	A	2022-04-05	aborted	2	46	4.35
Manon	A	2022-04-05	F	2	46	4.35
Manon	A	2022-04-05	G	5	46	10.87
Manon	A	2022-04-05	H	4	46	8.70
Manon	A	2022-04-05	I	2	46	4.35
Moutot	A	2022-04-19	17	2	23	8.70
Moutot	A	2022-04-19	60	2	23	8.70
Moutot	A	2022-04-19	89	14	23	60.87
Moutot	A	2022-04-19	coupe	2	23	8.70
Moutot	A	2022-04-19	F	1	23	4.35
Moutot	A	2022-04-19	H	1	23	4.35
Moutot	A	2022-04-19	I	1	23	4.35
Osiris	A	2022-04-11	55	4	74	5.41
Osiris	A	2022-04-11	60	6	74	8.11
Osiris	A	2022-04-11	71	4	74	5.41
Osiris	A	2022-04-11	89	32	74	43.24
Osiris	A	2022-04-11	aborted	5	74	6.76
Osiris	A	2022-04-11	coupe	4	74	5.41
Osiris	A	2022-04-11	D	2	74	2.70
Osiris	A	2022-04-11	E	7	74	9.46
Osiris	A	2022-04-11	F	5	74	6.76
Osiris	A	2022-04-11	G	4	74	5.41
Osiris	A	2022-04-11	H	1	74	1.35
Rubis	A	2022-04-19	17	2	22	9.09
Rubis	A	2022-04-19	17.0	1	22	4.55
Rubis	A	2022-04-19	60	1	22	4.55
Rubis	A	2022-04-19	71	1	22	4.55
Rubis	A	2022-04-19	89	5	22	22.73
Rubis	A	2022-04-19	89.0	2	22	9.09
Rubis	A	2022-04-19	coupe	7	22	31.82
Rubis	A	2022-04-19	E	1	22	4.55
Rubis	A	2022-04-19	G	1	22	4.55
Rubis	A	2022-04-19	H	1	22	4.55
Sanié	A	2022-04-19		1	63	1.59
Sanié	A	2022-04-19	55	5	63	7.94
Sanié	A	2022-04-19	60	2	63	3.17
Sanié	A	2022-04-19	71	1	63	1.59
Sanié	A	2022-04-19	89	32	63	50.79
Sanié	A	2022-04-19	89.0	2	63	3.17
Sanié	A	2022-04-19	aborted	4	63	6.35
Sanié	A	2022-04-19	coupe	6	63	9.52
Sanié	A	2022-04-19	E	1	63	1.59
Sanié	A	2022-04-19	F	2	63	3.17
Sanié	A	2022-04-19	G	2	63	3.17

Gender	order	visible	face	top	bottom	total	front	back	side	left	right	total	front	back	side	left	right	total	front	back	side	left	right	total
Belr	2022-04-25	1.75	0.75	2.50	0	0	0.75	0.000	0.002	2.25	0.00	0	0.96	0.96	0.58	0	0	1.50	0.000	0.000	0.50	0.00	0	0
Belr	2022-04-25	3.00	1.00	4.00	0	0	0.00	0.000	0.004	4.00	0.00	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF1	2022-04-11	4.50	0.00	4.50	0	0	5.50	5.330	0.001	3.33	0.00	0	2.07	0.00	2.07	0	0	6.16	5.990	0.001	5.1	0.00	0	0
CF1	2022-04-11	2.58	0.00	2.58	0	0	4.32	4.470	0.001	4.7	0.05	0	1.07	0.00	1.07	0	0	3.20	3.040	0.000	96	0.23	0	0
CF1	2022-04-11	3.00	0.15	3.15	0	0	1.20	0.900	0.002	80	0.00	0	1.38	0.37	1.46	0	0	2.21	1.920	0.001	47	0.00	0	0
CF1	2022-04-11	1.00	0.14	1.14	0	0	1.71	1.570	0.001	00	0.00	0	0.00	0.38	0.38	0	0	2.93	2.700	0.000	58	0.00	0	0
CF1	2022-04-11	3.00	0.00	3.00	0	0	0.00	0.000	0.003	00	0.00	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF1	2022-04-19	6.67	0.00	6.67	0	0	10.00	10.000	0.001	50	0.00	0	1.97	0.00	1.97	0	0	7.80	7.800	0.001	38	0.00	0	0
CF1	2022-04-19	2.00	0.03	2.03	0	0	5.74	5.450	0.001	00	0.00	0	0.63	0.18	0.66	0	0	5.11	5.050	0.000	77	0.00	0	0
CF1	2022-04-19	2.62	0.41	3.03	0	0	1.84	1.560	0.002	50	0.00	0	0.83	0.56	1.03	0	0	2.45	2.120	0.001	32	0.00	0	0
CF1	2022-04-19	2.21	0.50	2.71	0	0	0.07	0.000	0.002	36	0.00	0	0.70	0.52	0.91	0	0	0.27	0.000	0.001	08	0.00	0	0
CF1	2022-04-25	3.83	0.00	3.83	0	0	5.50	5.500	0.000	33	0.00	0	2.23	0.00	2.23	0	0	6.06	6.060	0.000	82	0.00	0	0
CF1	2022-04-25	2.71	0.00	2.71	0	0	5.62	5.570	0.051	10	0.00	0	1.65	0.00	1.65	0	0	2.71	2.710	0.220	83	0.00	0	0
CF1	2022-04-25	3.15	0.30	3.45	0	0	4.06	3.150	0.032	55	0.03	0	1.25	0.64	1.23	0	0	3.60	3.450	0.171	28	0.17	0	0
CF1	2022-04-25	2.00	0.60	2.60	0	0	3.00	2.160	0.002	12	0.04	0	0.87	0.82	0.82	0	0	3.95	3.460	0.001	01	0.20	0	0
CF1	2022-04-25	2.25	1.25	3.50	0	0	0.75	0.380	0.003	12	0.00	0	1.04	1.04	1.07	0	0	1.39	1.060	0.001	25	0.00	0	0
CF1	2022-04-25	1.50	2.50	4.00	0	0	0.00	0.000	0.004	00	0.00	0	0.71	0.71	0.00	0	0	0.00	0.000	0.000	00	0.00	0	0

[illegible]

[illegible]

Gender	order	deo	visible	le	bio	top	sl	oper	total	diff	total	sum	int	fi	ch	id	sh	id	cap	mp	ch	id	so	ta	id	so	sk	sk	id	id	id	sed
Sani	2021	04-19	2.33	0.22	2.56	0	0	2.22	2.000	0.001	1.89	0.00	0	1.00	0.44	0.88	0	0	3.63	3.460	0.000	0.93	0.00	0								
Sani	2021	04-19	1.80	1.20	3.00	0	0	1.40	1.200	0.002	2.80	0.00	0	1.10	1.10	0.00	0	0	2.61	2.680	0.000	0.45	0.00	0								
Sani	2021	04-19	1.00	2.00	3.00	0	0	0.00	0.000	0.003	3.00	0.00	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
San	2021	ri-04-vale05	8.67	0.00	8.67	0	0	18.67	18.670	0.003	3.33	0.00	0	2.31	0.00	2.31	0	0	1.15	1.150	0.002	0.08	0.00	0								
San	2021	ri-04-vale05	2.81	0.00	2.81	0	0	8.06	7.380	0.001	1.62	0.00	0	2.17	0.00	2.17	0	0	5.03	5.700	0.001	1.50	0.00	0								
San	2021	ri-04-vale05	2.69	0.12	2.81	0	0	5.75	5.560	0.002	2.00	0.00	0	1.45	0.34	1.60	0	0	5.03	4.990	0.001	1.55	0.00	0								
San	2021	ri-04-vale05	1.91	0.36	2.27	0	0	3.55	2.180	0.001	1.64	0.00	0	0.70	0.67	0.65	0	0	3.80	2.960	0.000	0.81	0.00	0								
San	2021	ri-04-vale05	1.60	1.40	3.00	0	0	0.00	0.000	0.003	3.00	0.00	0	0.55	0.55	0.71	0	0	0.00	0.000	0.000	0.71	0.00	0								

Figure 1: Pointwise mean number

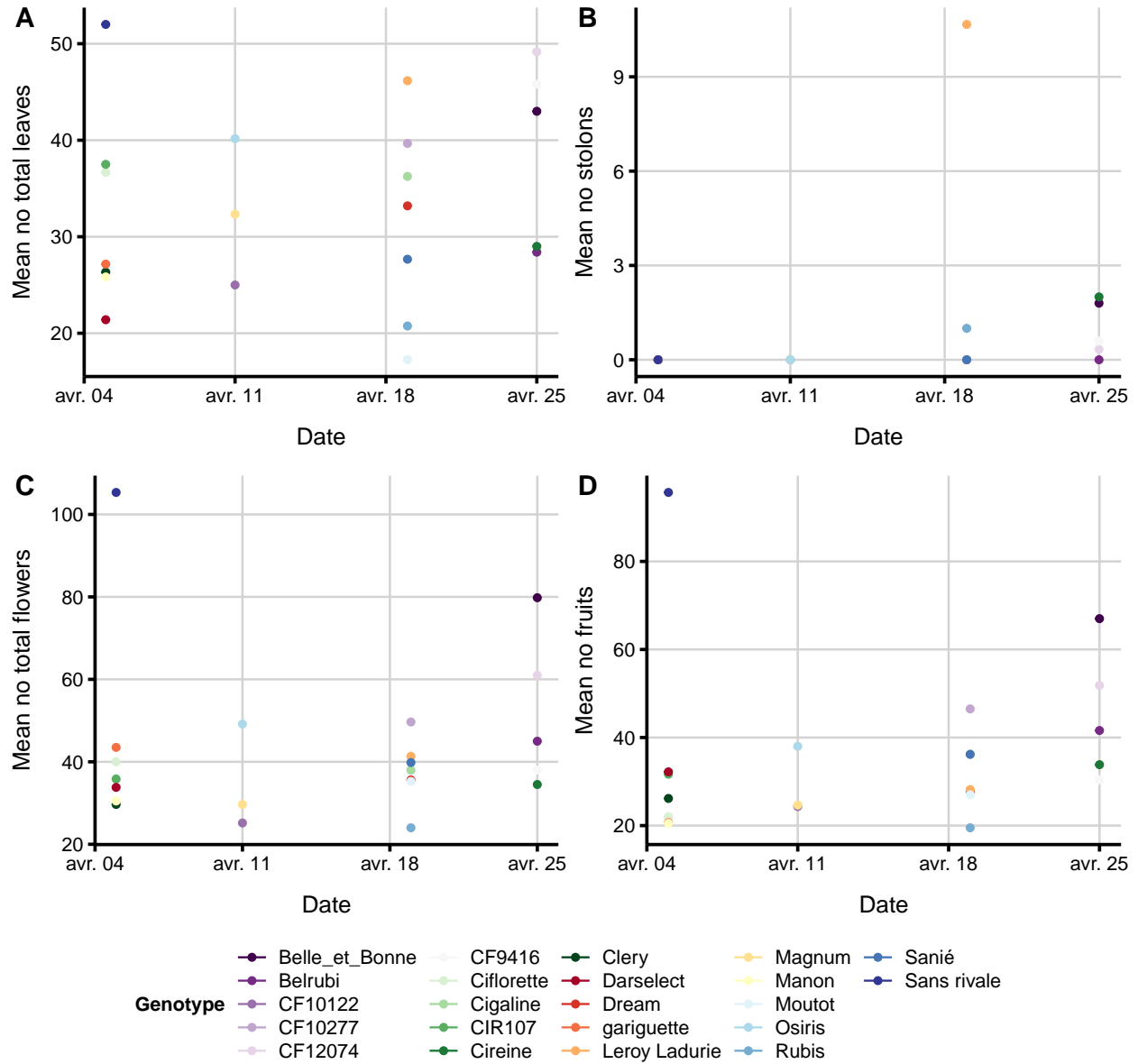


Figure 1: Figure 1: PointWise mean at plant scale

Figure 2: Pie chart of stage repartition for all genotypes

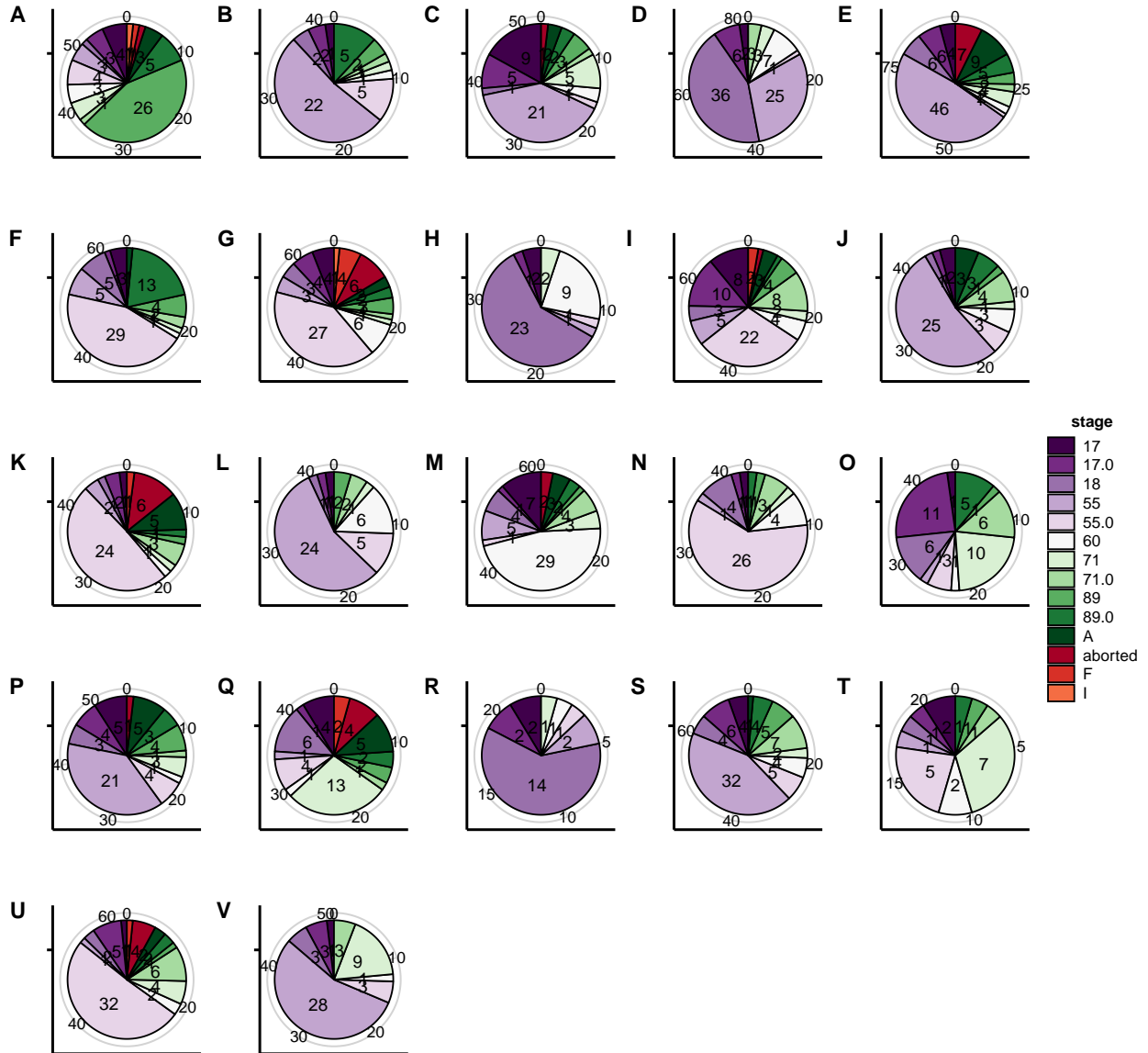
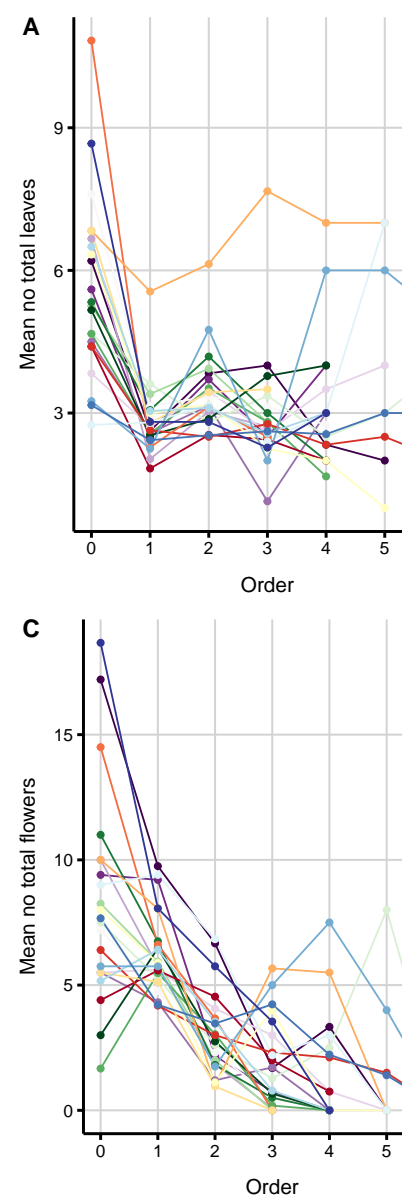


Figure 2: Figure 2: Pie chart representation at Plant scale

Figure 3: Pointwise mean according



3.2.1.2 Figure 3: Pointwise mean according to module order for all genotypes

3.2.1.3 Statistical test: Comparison between genotype and order

3.2.1.3.1 Table 7: ANOVA on the rank (kuskal wallis) for no. total leaves

Table 7: ANOVA on the rank (kuskal wallis) for no. total leaves

Row.names	data... variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Belle_et_Bonne.0	6.20	1064.80	1.92	5	4	9	5.00	6.0	7.00	abc
Belle_et_Bonne.1	2.62	519.56	1.09	16	1	4	1.75	3.0	3.00	bc
Belle_et_Bonne.2	3.83	716.94	2.26	18	2	12	3.00	3.0	4.00	abc
Belle_et_Bonne.3	4.00	769.41	2.16	16	1	11	3.00	4.0	4.25	abc
Belle_et_Bonne.4	2.33	403.33	0.58	3	2	3	2.00	2.0	2.50	bc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Belle_et_Bonne.5	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Belrubi.0	5.60	966.70	2.70	5	3	10	4.00	5.0	6.00	abc
Belrubi.1	2.47	456.47	0.64	15	1	3	2.00	3.0	3.00	bc
Belrubi.2	3.71	683.53	1.93	17	1	8	3.00	3.0	4.00	abc
Belrubi.3	2.50	460.00	0.58	4	2	3	2.00	2.5	3.00	bc
Belrubi.4	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
CF10122.0	4.50	840.67	2.07	6	2	8	3.25	4.5	5.00	abc
CF10122.1	2.58	459.97	1.07	19	1	6	2.00	2.0	3.00	bc
CF10122.2	3.15	628.82	1.46	20	1	6	2.00	3.0	4.00	abc
CF10122.3	1.14	98.86	0.38	7	1	2	1.00	1.0	1.00	c
CF10122.4	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
CF10277.0	6.67	1085.00	1.97	6	4	9	5.25	7.0	8.00	abc
CF10277.1	2.03	323.61	0.66	31	1	3	2.00	2.0	2.00	c
CF10277.2	3.03	609.44	1.03	32	1	6	2.75	3.0	3.25	abc
CF10277.3	2.71	527.29	0.91	14	1	4	2.00	3.0	3.00	bc
CF12074.0	3.83	665.42	2.23	6	2	7	2.00	3.0	5.50	abc
CF12074.1	2.71	480.60	1.65	21	1	7	2.00	2.0	4.00	bc
CF12074.2	3.45	698.89	1.23	33	2	7	2.00	4.0	4.00	abc
CF12074.3	2.60	488.28	0.82	25	1	4	2.00	2.0	3.00	bc
CF12074.4	3.50	721.56	1.07	8	3	6	3.00	3.0	3.25	abc
CF12074.5	4.00	905.00	0.00	2	4	4	4.00	4.0	4.00	abc
CF9416.0	7.60	1125.40	2.51	5	6	12	6.00	7.0	7.00	abc
CF9416.1	3.14	598.00	1.56	21	1	7	2.00	3.0	4.00	abc
CF9416.2	3.35	676.68	1.14	20	2	6	2.75	3.0	4.00	abc
CF9416.3	3.13	653.67	0.74	15	2	4	3.00	3.0	4.00	abc
CF9416.4	2.75	545.00	0.50	4	2	3	2.75	3.0	3.00	abc
Ciflorette.0	4.67	877.50	1.97	6	1	6	4.25	5.5	6.00	abc
Ciflorette.1	3.61	626.08	2.28	18	1	7	2.00	3.0	5.00	abc
Ciflorette.2	2.81	544.87	1.27	26	1	5	2.00	3.0	3.75	bc
Ciflorette.3	3.36	690.68	1.03	11	2	6	3.00	3.0	3.50	abc
Ciflorette.4	2.50	460.00	0.58	4	2	3	2.00	2.5	3.00	bc
Ciflorette.5	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
Ciflorette.6	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
Cigaline.0	5.25	722.62	3.95	4	2	10	2.00	4.5	7.75	abc
Cigaline.1	3.40	666.20	1.50	15	1	7	2.50	3.0	4.00	abc
Cigaline.2	3.93	729.17	1.87	15	2	7	3.00	3.0	5.00	abc
Cigaline.3	2.80	562.00	0.45	5	2	3	3.00	3.0	3.00	abc
CIR107.0	4.67	886.50	1.97	6	2	8	4.00	4.5	5.00	abc
CIR107.1	2.57	438.13	1.67	23	1	7	1.00	2.0	3.00	bc
CIR107.2	3.52	695.56	1.39	25	2	7	2.00	4.0	4.00	abc
CIR107.3	2.81	540.84	1.33	16	1	6	2.00	3.0	3.25	bc
CIR107.4	1.67	254.67	1.15	3	1	3	1.00	1.0	2.00	c
Cireine.0	5.33	969.25	1.97	6	3	8	4.00	5.0	6.75	abc
Cireine.1	3.06	556.34	1.65	16	1	6	2.00	3.0	3.25	abc
Cireine.2	4.19	724.62	2.51	16	2	10	2.75	3.0	4.50	abc
Cireine.3	3.00	586.94	1.07	8	2	5	2.00	3.0	3.25	abc
Cireine.4	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Clery.0	5.17	946.92	2.48	6	3	10	4.00	4.5	5.00	abc
Clery.1	2.53	473.44	1.18	17	1	5	2.00	3.0	3.00	bc
Clery.2	2.88	557.84	0.96	16	2	5	2.00	3.0	3.25	abc
Clery.3	3.78	827.28	0.67	9	3	5	3.00	4.0	4.00	abc
Clery.4	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Darselect.0	4.40	895.00	1.52	5	3	7	4.00	4.0	4.00	abc
Darselect.1	1.83	262.58	0.58	12	1	3	1.75	2.0	2.00	c
Darselect.2	2.54	469.58	1.05	13	1	5	2.00	3.0	3.00	bc
Darselect.3	2.44	446.89	0.88	9	1	4	2.00	2.0	3.00	bc
Darselect.4	2.00	332.25	1.41	4	1	4	1.00	1.5	2.50	bc
Dream.0	4.40	737.30	2.88	5	2	9	2.00	4.0	5.00	abc
Dream.1	2.64	485.68	1.12	11	1	5	2.00	2.0	3.00	bc
Dream.2	2.50	467.43	0.94	14	1	4	2.00	2.5	3.00	bc
Dream.3	2.77	508.27	1.09	13	2	6	2.00	3.0	3.00	bc
Dream.4	2.33	403.33	0.50	9	2	3	2.00	2.0	3.00	bc
Dream.5	2.50	479.50	0.84	6	1	3	2.25	3.0	3.00	bc
Dream.6	2.00	348.50	1.15	4	1	3	1.00	2.0	3.00	bc
gariguette.0	10.83	1181.33	2.48	6	8	14	9.00	10.5	12.75	a
gariguette.1	2.28	381.92	0.89	18	1	5	2.00	2.0	2.75	bc
gariguette.2	3.13	597.53	1.51	15	1	6	2.00	3.0	4.00	abc
gariguette.3	2.50	489.25	1.00	4	1	3	2.50	3.0	3.00	bc
Leroy Ladurie.0	6.83	802.33	4.83	6	1	12	2.50	8.0	10.50	abc
Leroy Ladurie.1	5.56	871.42	3.47	18	1	13	4.00	4.5	6.75	abc
Leroy Ladurie.2	6.13	998.47	2.20	15	1	9	5.00	7.0	7.50	abc
Leroy Ladurie.3	7.67	1123.00	2.52	3	5	10	6.50	8.0	9.00	abc
Leroy Ladurie.4	7.00	908.50	5.66	2	3	11	5.00	7.0	9.00	abc
Leroy Ladurie.5	7.00	1130.00	NA	1	7	7	7.00	7.0	7.00	abc
Magnum.0	6.83	1079.17	2.79	6	4	12	5.25	6.5	7.00	abc
Magnum.1	2.79	482.48	1.82	24	1	7	1.75	2.0	4.00	bc
Magnum.2	3.43	692.89	1.27	23	1	6	2.50	3.0	4.00	abc
Magnum.3	3.50	660.25	2.12	2	2	5	2.75	3.5	4.25	abc
Manon.0	6.33	933.08	3.27	6	1	10	4.75	7.5	8.00	abc
Manon.1	3.00	587.74	1.32	17	1	6	2.00	3.0	4.00	abc
Manon.2	3.18	657.50	1.01	17	1	5	3.00	3.0	4.00	abc
Manon.3	2.25	417.25	1.50	4	1	4	1.00	2.0	3.25	bc
Manon.4	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Manon.5	1.00	67.00	NA	1	1	1	1.00	1.0	1.00	c
Moutot.0	2.75	558.00	1.26	4	1	4	2.50	3.0	3.25	abc
Moutot.1	2.80	506.10	1.30	5	2	5	2.00	2.0	3.00	bc
Moutot.2	3.17	629.25	1.17	6	2	5	2.25	3.0	3.75	abc
Moutot.3	2.40	426.00	0.55	5	2	3	2.00	2.0	3.00	bc
Moutot.4	3.00	548.75	2.83	2	1	5	2.00	3.0	4.00	abc
Moutot.5	7.00	1130.00	NA	1	7	7	7.00	7.0	7.00	abc
Osiris.0	6.50	971.25	3.39	6	3	12	3.75	6.5	7.75	abc
Osiris.1	3.04	607.46	1.23	24	1	6	2.00	3.0	4.00	abc
Osiris.2	3.11	603.50	1.23	28	1	6	2.00	3.0	3.25	abc
Osiris.3	2.57	488.00	0.76	14	1	4	2.00	3.0	3.00	bc
Osiris.4	3.00	630.00	0.00	2	3	3	3.00	3.0	3.00	abc
Rubis.0	3.25	529.25	2.63	4	1	7	1.75	2.5	4.00	bc
Rubis.1	2.25	417.25	1.50	4	1	4	1.00	2.0	3.25	bc
Rubis.2	4.75	546.00	5.56	4	1	13	1.75	2.5	5.50	abc
Rubis.3	2.00	319.25	0.82	4	1	3	1.75	2.0	2.25	c
Rubis.4	6.00	1087.50	0.00	2	6	6	6.00	6.0	6.00	abc
Rubis.5	6.00	1031.50	2.83	2	4	8	5.00	6.0	7.00	abc
Rubis.6	5.00	880.00	2.83	2	3	7	4.00	5.0	6.00	abc
Sanié.0	3.17	519.50	2.64	6	1	8	1.25	2.5	3.75	bc
Sanié.1	2.43	424.57	1.40	14	1	5	1.25	2.0	3.00	bc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Sanié.2	2.53	489.53	1.13	15	1	4	1.50	3.0	3.00	bc
Sanié.3	2.62	490.73	1.12	13	1	5	2.00	3.0	3.00	bc
Sanié.4	2.56	484.67	0.88	9	1	4	2.00	3.0	3.00	bc
Sanié.5	3.00	630.00	0.00	5	3	3	3.00	3.0	3.00	abc
Sanié.6	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
Sans rivale.0	8.67	1149.50	2.31	3	6	10	8.00	10.0	10.00	ab
Sans rivale.1	2.81	473.03	2.17	16	1	10	1.75	2.5	3.00	bc
Sans rivale.2	2.81	475.53	1.60	16	2	8	2.00	2.0	3.00	bc
Sans rivale.3	2.27	393.36	0.65	11	1	3	2.00	2.0	3.00	bc
Sans rivale.4	3.00	617.00	0.71	5	2	4	3.00	3.0	3.00	abc

3.2.1.3.2 Table 8: ANOVA on the rank (kuskal wallis) for no. total flowers

Table 8: ANOVA on the rank (kuskal wallis) for no. total flowers

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Belle_et_Bonne.0	6.20	1064.80	1.92	5	4	9	5.00	6.0	7.00	abc
Belle_et_Bonne.1	2.62	519.56	1.09	16	1	4	1.75	3.0	3.00	bc
Belle_et_Bonne.2	3.83	716.94	2.26	18	2	12	3.00	3.0	4.00	abc
Belle_et_Bonne.3	4.00	769.41	2.16	16	1	11	3.00	4.0	4.25	abc
Belle_et_Bonne.4	2.33	403.33	0.58	3	2	3	2.00	2.0	2.50	bc
Belle_et_Bonne.5	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Belrubi.0	5.60	966.70	2.70	5	3	10	4.00	5.0	6.00	abc
Belrubi.1	2.47	456.47	0.64	15	1	3	2.00	3.0	3.00	bc
Belrubi.2	3.71	683.53	1.93	17	1	8	3.00	3.0	4.00	abc
Belrubi.3	2.50	460.00	0.58	4	2	3	2.00	2.5	3.00	bc
Belrubi.4	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
CF10122.0	4.50	840.67	2.07	6	2	8	3.25	4.5	5.00	abc
CF10122.1	2.58	459.97	1.07	19	1	6	2.00	2.0	3.00	bc
CF10122.2	3.15	628.82	1.46	20	1	6	2.00	3.0	4.00	abc
CF10122.3	1.14	98.86	0.38	7	1	2	1.00	1.0	1.00	c
CF10122.4	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
CF10277.0	6.67	1085.00	1.97	6	4	9	5.25	7.0	8.00	abc
CF10277.1	2.03	323.61	0.66	31	1	3	2.00	2.0	2.00	c
CF10277.2	3.03	609.44	1.03	32	1	6	2.75	3.0	3.25	abc
CF10277.3	2.71	527.29	0.91	14	1	4	2.00	3.0	3.00	bc
CF12074.0	3.83	665.42	2.23	6	2	7	2.00	3.0	5.50	abc
CF12074.1	2.71	480.60	1.65	21	1	7	2.00	2.0	4.00	bc
CF12074.2	3.45	698.89	1.23	33	2	7	2.00	4.0	4.00	abc
CF12074.3	2.60	488.28	0.82	25	1	4	2.00	2.0	3.00	bc
CF12074.4	3.50	721.56	1.07	8	3	6	3.00	3.0	3.25	abc
CF12074.5	4.00	905.00	0.00	2	4	4	4.00	4.0	4.00	abc
CF9416.0	7.60	1125.40	2.51	5	6	12	6.00	7.0	7.00	abc
CF9416.1	3.14	598.00	1.56	21	1	7	2.00	3.0	4.00	abc
CF9416.2	3.35	676.68	1.14	20	2	6	2.75	3.0	4.00	abc
CF9416.3	3.13	653.67	0.74	15	2	4	3.00	3.0	4.00	abc
CF9416.4	2.75	545.00	0.50	4	2	3	2.75	3.0	3.00	abc
Ciflorette.0	4.67	877.50	1.97	6	1	6	4.25	5.5	6.00	abc
Ciflorette.1	3.61	626.08	2.28	18	1	7	2.00	3.0	5.00	abc
Ciflorette.2	2.81	544.87	1.27	26	1	5	2.00	3.0	3.75	bc
Ciflorette.3	3.36	690.68	1.03	11	2	6	3.00	3.0	3.50	abc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Ciflorette.4	2.50	460.00	0.58	4	2	3	2.00	2.5	3.00	bc
Ciflorette.5	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
Ciflorette.6	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
Cigaline.0	5.25	722.62	3.95	4	2	10	2.00	4.5	7.75	abc
Cigaline.1	3.40	666.20	1.50	15	1	7	2.50	3.0	4.00	abc
Cigaline.2	3.93	729.17	1.87	15	2	7	3.00	3.0	5.00	abc
Cigaline.3	2.80	562.00	0.45	5	2	3	3.00	3.0	3.00	abc
CIR107.0	4.67	886.50	1.97	6	2	8	4.00	4.5	5.00	abc
CIR107.1	2.57	438.13	1.67	23	1	7	1.00	2.0	3.00	bc
CIR107.2	3.52	695.56	1.39	25	2	7	2.00	4.0	4.00	abc
CIR107.3	2.81	540.84	1.33	16	1	6	2.00	3.0	3.25	bc
CIR107.4	1.67	254.67	1.15	3	1	3	1.00	1.0	2.00	c
Cireine.0	5.33	969.25	1.97	6	3	8	4.00	5.0	6.75	abc
Cireine.1	3.06	556.34	1.65	16	1	6	2.00	3.0	3.25	abc
Cireine.2	4.19	724.62	2.51	16	2	10	2.75	3.0	4.50	abc
Cireine.3	3.00	586.94	1.07	8	2	5	2.00	3.0	3.25	abc
Cireine.4	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Clery.0	5.17	946.92	2.48	6	3	10	4.00	4.5	5.00	abc
Clery.1	2.53	473.44	1.18	17	1	5	2.00	3.0	3.00	bc
Clery.2	2.88	557.84	0.96	16	2	5	2.00	3.0	3.25	abc
Clery.3	3.78	827.28	0.67	9	3	5	3.00	4.0	4.00	abc
Clery.4	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
Darselect.0	4.40	895.00	1.52	5	3	7	4.00	4.0	4.00	abc
Darselect.1	1.83	262.58	0.58	12	1	3	1.75	2.0	2.00	c
Darselect.2	2.54	469.58	1.05	13	1	5	2.00	3.0	3.00	bc
Darselect.3	2.44	446.89	0.88	9	1	4	2.00	2.0	3.00	bc
Darselect.4	2.00	332.25	1.41	4	1	4	1.00	1.5	2.50	bc
Dream.0	4.40	737.30	2.88	5	2	9	2.00	4.0	5.00	abc
Dream.1	2.64	485.68	1.12	11	1	5	2.00	2.0	3.00	bc
Dream.2	2.50	467.43	0.94	14	1	4	2.00	2.5	3.00	bc
Dream.3	2.77	508.27	1.09	13	2	6	2.00	3.0	3.00	bc
Dream.4	2.33	403.33	0.50	9	2	3	2.00	2.0	3.00	bc
Dream.5	2.50	479.50	0.84	6	1	3	2.25	3.0	3.00	bc
Dream.6	2.00	348.50	1.15	4	1	3	1.00	2.0	3.00	bc
gariguette.0	10.83	1181.33	2.48	6	8	14	9.00	10.5	12.75	a
gariguette.1	2.28	381.92	0.89	18	1	5	2.00	2.0	2.75	bc
gariguette.2	3.13	597.53	1.51	15	1	6	2.00	3.0	4.00	abc
gariguette.3	2.50	489.25	1.00	4	1	3	2.50	3.0	3.00	bc
Leroy Ladurie.0	6.83	802.33	4.83	6	1	12	2.50	8.0	10.50	abc
Leroy Ladurie.1	5.56	871.42	3.47	18	1	13	4.00	4.5	6.75	abc
Leroy Ladurie.2	6.13	998.47	2.20	15	1	9	5.00	7.0	7.50	abc
Leroy Ladurie.3	7.67	1123.00	2.52	3	5	10	6.50	8.0	9.00	abc
Leroy Ladurie.4	7.00	908.50	5.66	2	3	11	5.00	7.0	9.00	abc
Leroy Ladurie.5	7.00	1130.00	NA	1	7	7	7.00	7.0	7.00	abc
Magnum.0	6.83	1079.17	2.79	6	4	12	5.25	6.5	7.00	abc
Magnum.1	2.79	482.48	1.82	24	1	7	1.75	2.0	4.00	bc
Magnum.2	3.43	692.89	1.27	23	1	6	2.50	3.0	4.00	abc
Magnum.3	3.50	660.25	2.12	2	2	5	2.75	3.5	4.25	abc
Manon.0	6.33	933.08	3.27	6	1	10	4.75	7.5	8.00	abc
Manon.1	3.00	587.74	1.32	17	1	6	2.00	3.0	4.00	abc
Manon.2	3.18	657.50	1.01	17	1	5	3.00	3.0	4.00	abc
Manon.3	2.25	417.25	1.50	4	1	4	1.00	2.0	3.25	bc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Manon.4	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Manon.5	1.00	67.00	NA	1	1	1	1.00	1.0	1.00	c
Moutot.0	2.75	558.00	1.26	4	1	4	2.50	3.0	3.25	abc
Moutot.1	2.80	506.10	1.30	5	2	5	2.00	2.0	3.00	bc
Moutot.2	3.17	629.25	1.17	6	2	5	2.25	3.0	3.75	abc
Moutot.3	2.40	426.00	0.55	5	2	3	2.00	2.0	3.00	bc
Moutot.4	3.00	548.75	2.83	2	1	5	2.00	3.0	4.00	abc
Moutot.5	7.00	1130.00	NA	1	7	7	7.00	7.0	7.00	abc
Osiris.0	6.50	971.25	3.39	6	3	12	3.75	6.5	7.75	abc
Osiris.1	3.04	607.46	1.23	24	1	6	2.00	3.0	4.00	abc
Osiris.2	3.11	603.50	1.23	28	1	6	2.00	3.0	3.25	abc
Osiris.3	2.57	488.00	0.76	14	1	4	2.00	3.0	3.00	bc
Osiris.4	3.00	630.00	0.00	2	3	3	3.00	3.0	3.00	abc
Rubis.0	3.25	529.25	2.63	4	1	7	1.75	2.5	4.00	bc
Rubis.1	2.25	417.25	1.50	4	1	4	1.00	2.0	3.25	bc
Rubis.2	4.75	546.00	5.56	4	1	13	1.75	2.5	5.50	abc
Rubis.3	2.00	319.25	0.82	4	1	3	1.75	2.0	2.25	c
Rubis.4	6.00	1087.50	0.00	2	6	6	6.00	6.0	6.00	abc
Rubis.5	6.00	1031.50	2.83	2	4	8	5.00	6.0	7.00	abc
Rubis.6	5.00	880.00	2.83	2	3	7	4.00	5.0	6.00	abc
Sanié.0	3.17	519.50	2.64	6	1	8	1.25	2.5	3.75	bc
Sanié.1	2.43	424.57	1.40	14	1	5	1.25	2.0	3.00	bc
Sanié.2	2.53	489.53	1.13	15	1	4	1.50	3.0	3.00	bc
Sanié.3	2.62	490.73	1.12	13	1	5	2.00	3.0	3.00	bc
Sanié.4	2.56	484.67	0.88	9	1	4	2.00	3.0	3.00	bc
Sanié.5	3.00	630.00	0.00	5	3	3	3.00	3.0	3.00	abc
Sanié.6	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
Sans rivale.0	8.67	1149.50	2.31	3	6	10	8.00	10.0	10.00	ab
Sans rivale.1	2.81	473.03	2.17	16	1	10	1.75	2.5	3.00	bc
Sans rivale.2	2.81	475.53	1.60	16	2	8	2.00	2.0	3.00	bc
Sans rivale.3	2.27	393.36	0.65	11	1	3	2.00	2.0	3.00	bc
Sans rivale.4	3.00	617.00	0.71	5	2	4	3.00	3.0	3.00	abc

3.2.1.3.3 Table 9: ANOVA on the rank (kuskal wallis) for no. total flowers

Table 9: ANOVA on the rank (kuskal wallis) for no. stolons

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Belle_et_Bonne.0	6.20	1064.80	1.92	5	4	9	5.00	6.0	7.00	abc
Belle_et_Bonne.1	2.62	519.56	1.09	16	1	4	1.75	3.0	3.00	bc
Belle_et_Bonne.2	3.83	716.94	2.26	18	2	12	3.00	3.0	4.00	abc
Belle_et_Bonne.3	4.00	769.41	2.16	16	1	11	3.00	4.0	4.25	abc
Belle_et_Bonne.4	2.33	403.33	0.58	3	2	3	2.00	2.0	2.50	bc
Belle_et_Bonne.5	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Belrubi.0	5.60	966.70	2.70	5	3	10	4.00	5.0	6.00	abc
Belrubi.1	2.47	456.47	0.64	15	1	3	2.00	3.0	3.00	bc
Belrubi.2	3.71	683.53	1.93	17	1	8	3.00	3.0	4.00	abc
Belrubi.3	2.50	460.00	0.58	4	2	3	2.00	2.5	3.00	bc
Belrubi.4	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
CF10122.0	4.50	840.67	2.07	6	2	8	3.25	4.5	5.00	abc
CF10122.1	2.58	459.97	1.07	19	1	6	2.00	2.0	3.00	bc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
CF10122.2	3.15	628.82	1.46	20	1	6	2.00	3.0	4.00	abc
CF10122.3	1.14	98.86	0.38	7	1	2	1.00	1.0	1.00	c
CF10122.4	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
CF10277.0	6.67	1085.00	1.97	6	4	9	5.25	7.0	8.00	abc
CF10277.1	2.03	323.61	0.66	31	1	3	2.00	2.0	2.00	c
CF10277.2	3.03	609.44	1.03	32	1	6	2.75	3.0	3.25	abc
CF10277.3	2.71	527.29	0.91	14	1	4	2.00	3.0	3.00	bc
CF12074.0	3.83	665.42	2.23	6	2	7	2.00	3.0	5.50	abc
CF12074.1	2.71	480.60	1.65	21	1	7	2.00	2.0	4.00	bc
CF12074.2	3.45	698.89	1.23	33	2	7	2.00	4.0	4.00	abc
CF12074.3	2.60	488.28	0.82	25	1	4	2.00	2.0	3.00	bc
CF12074.4	3.50	721.56	1.07	8	3	6	3.00	3.0	3.25	abc
CF12074.5	4.00	905.00	0.00	2	4	4	4.00	4.0	4.00	abc
CF9416.0	7.60	1125.40	2.51	5	6	12	6.00	7.0	7.00	abc
CF9416.1	3.14	598.00	1.56	21	1	7	2.00	3.0	4.00	abc
CF9416.2	3.35	676.68	1.14	20	2	6	2.75	3.0	4.00	abc
CF9416.3	3.13	653.67	0.74	15	2	4	3.00	3.0	4.00	abc
CF9416.4	2.75	545.00	0.50	4	2	3	2.75	3.0	3.00	abc
Ciflorette.0	4.67	877.50	1.97	6	1	6	4.25	5.5	6.00	abc
Ciflorette.1	3.61	626.08	2.28	18	1	7	2.00	3.0	5.00	abc
Ciflorette.2	2.81	544.87	1.27	26	1	5	2.00	3.0	3.75	bc
Ciflorette.3	3.36	690.68	1.03	11	2	6	3.00	3.0	3.50	abc
Ciflorette.4	2.50	460.00	0.58	4	2	3	2.00	2.5	3.00	bc
Ciflorette.5	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
Ciflorette.6	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
Cigaline.0	5.25	722.62	3.95	4	2	10	2.00	4.5	7.75	abc
Cigaline.1	3.40	666.20	1.50	15	1	7	2.50	3.0	4.00	abc
Cigaline.2	3.93	729.17	1.87	15	2	7	3.00	3.0	5.00	abc
Cigaline.3	2.80	562.00	0.45	5	2	3	3.00	3.0	3.00	abc
CIR107.0	4.67	886.50	1.97	6	2	8	4.00	4.5	5.00	abc
CIR107.1	2.57	438.13	1.67	23	1	7	1.00	2.0	3.00	bc
CIR107.2	3.52	695.56	1.39	25	2	7	2.00	4.0	4.00	abc
CIR107.3	2.81	540.84	1.33	16	1	6	2.00	3.0	3.25	bc
CIR107.4	1.67	254.67	1.15	3	1	3	1.00	1.0	2.00	c
Cireine.0	5.33	969.25	1.97	6	3	8	4.00	5.0	6.75	abc
Cireine.1	3.06	556.34	1.65	16	1	6	2.00	3.0	3.25	abc
Cireine.2	4.19	724.62	2.51	16	2	10	2.75	3.0	4.50	abc
Cireine.3	3.00	586.94	1.07	8	2	5	2.00	3.0	3.25	abc
Cireine.4	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Clery.0	5.17	946.92	2.48	6	3	10	4.00	4.5	5.00	abc
Clery.1	2.53	473.44	1.18	17	1	5	2.00	3.0	3.00	bc
Clery.2	2.88	557.84	0.96	16	2	5	2.00	3.0	3.25	abc
Clery.3	3.78	827.28	0.67	9	3	5	3.00	4.0	4.00	abc
Clery.4	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
Darselect.0	4.40	895.00	1.52	5	3	7	4.00	4.0	4.00	abc
Darselect.1	1.83	262.58	0.58	12	1	3	1.75	2.0	2.00	c
Darselect.2	2.54	469.58	1.05	13	1	5	2.00	3.0	3.00	bc
Darselect.3	2.44	446.89	0.88	9	1	4	2.00	2.0	3.00	bc
Darselect.4	2.00	332.25	1.41	4	1	4	1.00	1.5	2.50	bc
Dream.0	4.40	737.30	2.88	5	2	9	2.00	4.0	5.00	abc
Dream.1	2.64	485.68	1.12	11	1	5	2.00	2.0	3.00	bc
Dream.2	2.50	467.43	0.94	14	1	4	2.00	2.5	3.00	bc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Dream.3	2.77	508.27	1.09	13	2	6	2.00	3.0	3.00	bc
Dream.4	2.33	403.33	0.50	9	2	3	2.00	2.0	3.00	bc
Dream.5	2.50	479.50	0.84	6	1	3	2.25	3.0	3.00	bc
Dream.6	2.00	348.50	1.15	4	1	3	1.00	2.0	3.00	bc
gariguette.0	10.83	1181.33	2.48	6	8	14	9.00	10.5	12.75	a
gariguette.1	2.28	381.92	0.89	18	1	5	2.00	2.0	2.75	bc
gariguette.2	3.13	597.53	1.51	15	1	6	2.00	3.0	4.00	abc
gariguette.3	2.50	489.25	1.00	4	1	3	2.50	3.0	3.00	bc
Leroy Ladurie.0	6.83	802.33	4.83	6	1	12	2.50	8.0	10.50	abc
Leroy Ladurie.1	5.56	871.42	3.47	18	1	13	4.00	4.5	6.75	abc
Leroy Ladurie.2	6.13	998.47	2.20	15	1	9	5.00	7.0	7.50	abc
Leroy Ladurie.3	7.67	1123.00	2.52	3	5	10	6.50	8.0	9.00	abc
Leroy Ladurie.4	7.00	908.50	5.66	2	3	11	5.00	7.0	9.00	abc
Leroy Ladurie.5	7.00	1130.00	NA	1	7	7	7.00	7.0	7.00	abc
Magnum.0	6.83	1079.17	2.79	6	4	12	5.25	6.5	7.00	abc
Magnum.1	2.79	482.48	1.82	24	1	7	1.75	2.0	4.00	bc
Magnum.2	3.43	692.89	1.27	23	1	6	2.50	3.0	4.00	abc
Magnum.3	3.50	660.25	2.12	2	2	5	2.75	3.5	4.25	abc
Manon.0	6.33	933.08	3.27	6	1	10	4.75	7.5	8.00	abc
Manon.1	3.00	587.74	1.32	17	1	6	2.00	3.0	4.00	abc
Manon.2	3.18	657.50	1.01	17	1	5	3.00	3.0	4.00	abc
Manon.3	2.25	417.25	1.50	4	1	4	1.00	2.0	3.25	bc
Manon.4	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Manon.5	1.00	67.00	NA	1	1	1	1.00	1.0	1.00	c
Moutot.0	2.75	558.00	1.26	4	1	4	2.50	3.0	3.25	abc
Moutot.1	2.80	506.10	1.30	5	2	5	2.00	2.0	3.00	bc
Moutot.2	3.17	629.25	1.17	6	2	5	2.25	3.0	3.75	abc
Moutot.3	2.40	426.00	0.55	5	2	3	2.00	2.0	3.00	bc
Moutot.4	3.00	548.75	2.83	2	1	5	2.00	3.0	4.00	abc
Moutot.5	7.00	1130.00	NA	1	7	7	7.00	7.0	7.00	abc
Osiris.0	6.50	971.25	3.39	6	3	12	3.75	6.5	7.75	abc
Osiris.1	3.04	607.46	1.23	24	1	6	2.00	3.0	4.00	abc
Osiris.2	3.11	603.50	1.23	28	1	6	2.00	3.0	3.25	abc
Osiris.3	2.57	488.00	0.76	14	1	4	2.00	3.0	3.00	bc
Osiris.4	3.00	630.00	0.00	2	3	3	3.00	3.0	3.00	abc
Rubis.0	3.25	529.25	2.63	4	1	7	1.75	2.5	4.00	bc
Rubis.1	2.25	417.25	1.50	4	1	4	1.00	2.0	3.25	bc
Rubis.2	4.75	546.00	5.56	4	1	13	1.75	2.5	5.50	abc
Rubis.3	2.00	319.25	0.82	4	1	3	1.75	2.0	2.25	c
Rubis.4	6.00	1087.50	0.00	2	6	6	6.00	6.0	6.00	abc
Rubis.5	6.00	1031.50	2.83	2	4	8	5.00	6.0	7.00	abc
Rubis.6	5.00	880.00	2.83	2	3	7	4.00	5.0	6.00	abc
Sanié.0	3.17	519.50	2.64	6	1	8	1.25	2.5	3.75	bc
Sanié.1	2.43	424.57	1.40	14	1	5	1.25	2.0	3.00	bc
Sanié.2	2.53	489.53	1.13	15	1	4	1.50	3.0	3.00	bc
Sanié.3	2.62	490.73	1.12	13	1	5	2.00	3.0	3.00	bc
Sanié.4	2.56	484.67	0.88	9	1	4	2.00	3.0	3.00	bc
Sanié.5	3.00	630.00	0.00	5	3	3	3.00	3.0	3.00	abc
Sanié.6	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
Sans rivale.0	8.67	1149.50	2.31	3	6	10	8.00	10.0	10.00	ab
Sans rivale.1	2.81	473.03	2.17	16	1	10	1.75	2.5	3.00	bc
Sans rivale.2	2.81	475.53	1.60	16	2	8	2.00	2.0	3.00	bc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Sans rivale.3	2.27	393.36	0.65	11	1	3	2.00	2.0	3.00	bc
Sans rivale.4	3.00	617.00	0.71	5	2	4	3.00	3.0	3.00	abc

3.2.1.3.4 Table 10: ANOVA on the rank (kuskal wallis) for no. total flowers

Table 10: ANOVA on the rank (kuskal wallis) for no. fruits

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Belle_et_Bonne.0	6.20	1064.80	1.92	5	4	9	5.00	6.0	7.00	abc
Belle_et_Bonne.1	2.62	519.56	1.09	16	1	4	1.75	3.0	3.00	bc
Belle_et_Bonne.2	3.83	716.94	2.26	18	2	12	3.00	3.0	4.00	abc
Belle_et_Bonne.3	4.00	769.41	2.16	16	1	11	3.00	4.0	4.25	abc
Belle_et_Bonne.4	2.33	403.33	0.58	3	2	3	2.00	2.0	2.50	bc
Belle_et_Bonne.5	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Belrubi.0	5.60	966.70	2.70	5	3	10	4.00	5.0	6.00	abc
Belrubi.1	2.47	456.47	0.64	15	1	3	2.00	3.0	3.00	bc
Belrubi.2	3.71	683.53	1.93	17	1	8	3.00	3.0	4.00	abc
Belrubi.3	2.50	460.00	0.58	4	2	3	2.00	2.5	3.00	bc
Belrubi.4	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
CF10122.0	4.50	840.67	2.07	6	2	8	3.25	4.5	5.00	abc
CF10122.1	2.58	459.97	1.07	19	1	6	2.00	2.0	3.00	bc
CF10122.2	3.15	628.82	1.46	20	1	6	2.00	3.0	4.00	abc
CF10122.3	1.14	98.86	0.38	7	1	2	1.00	1.0	1.00	c
CF10122.4	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
CF10277.0	6.67	1085.00	1.97	6	4	9	5.25	7.0	8.00	abc
CF10277.1	2.03	323.61	0.66	31	1	3	2.00	2.0	2.00	c
CF10277.2	3.03	609.44	1.03	32	1	6	2.75	3.0	3.25	abc
CF10277.3	2.71	527.29	0.91	14	1	4	2.00	3.0	3.00	bc
CF12074.0	3.83	665.42	2.23	6	2	7	2.00	3.0	5.50	abc
CF12074.1	2.71	480.60	1.65	21	1	7	2.00	2.0	4.00	bc
CF12074.2	3.45	698.89	1.23	33	2	7	2.00	4.0	4.00	abc
CF12074.3	2.60	488.28	0.82	25	1	4	2.00	2.0	3.00	bc
CF12074.4	3.50	721.56	1.07	8	3	6	3.00	3.0	3.25	abc
CF12074.5	4.00	905.00	0.00	2	4	4	4.00	4.0	4.00	abc
CF9416.0	7.60	1125.40	2.51	5	6	12	6.00	7.0	7.00	abc
CF9416.1	3.14	598.00	1.56	21	1	7	2.00	3.0	4.00	abc
CF9416.2	3.35	676.68	1.14	20	2	6	2.75	3.0	4.00	abc
CF9416.3	3.13	653.67	0.74	15	2	4	3.00	3.0	4.00	abc
CF9416.4	2.75	545.00	0.50	4	2	3	2.75	3.0	3.00	abc
Ciflorette.0	4.67	877.50	1.97	6	1	6	4.25	5.5	6.00	abc
Ciflorette.1	3.61	626.08	2.28	18	1	7	2.00	3.0	5.00	abc
Ciflorette.2	2.81	544.87	1.27	26	1	5	2.00	3.0	3.75	bc
Ciflorette.3	3.36	690.68	1.03	11	2	6	3.00	3.0	3.50	abc
Ciflorette.4	2.50	460.00	0.58	4	2	3	2.00	2.5	3.00	bc
Ciflorette.5	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
Ciflorette.6	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
Cigaline.0	5.25	722.62	3.95	4	2	10	2.00	4.5	7.75	abc
Cigaline.1	3.40	666.20	1.50	15	1	7	2.50	3.0	4.00	abc
Cigaline.2	3.93	729.17	1.87	15	2	7	3.00	3.0	5.00	abc
Cigaline.3	2.80	562.00	0.45	5	2	3	3.00	3.0	3.00	abc
CIR107.0	4.67	886.50	1.97	6	2	8	4.00	4.5	5.00	abc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
CIR107.1	2.57	438.13	1.67	23	1	7	1.00	2.0	3.00	bc
CIR107.2	3.52	695.56	1.39	25	2	7	2.00	4.0	4.00	abc
CIR107.3	2.81	540.84	1.33	16	1	6	2.00	3.0	3.25	bc
CIR107.4	1.67	254.67	1.15	3	1	3	1.00	1.0	2.00	c
Cireine.0	5.33	969.25	1.97	6	3	8	4.00	5.0	6.75	abc
Cireine.1	3.06	556.34	1.65	16	1	6	2.00	3.0	3.25	abc
Cireine.2	4.19	724.62	2.51	16	2	10	2.75	3.0	4.50	abc
Cireine.3	3.00	586.94	1.07	8	2	5	2.00	3.0	3.25	abc
Cireine.4	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Clery.0	5.17	946.92	2.48	6	3	10	4.00	4.5	5.00	abc
Clery.1	2.53	473.44	1.18	17	1	5	2.00	3.0	3.00	bc
Clery.2	2.88	557.84	0.96	16	2	5	2.00	3.0	3.25	abc
Clery.3	3.78	827.28	0.67	9	3	5	3.00	4.0	4.00	abc
Clery.4	4.00	905.00	NA	1	4	4	4.00	4.0	4.00	abc
Darselect.0	4.40	895.00	1.52	5	3	7	4.00	4.0	4.00	abc
Darselect.1	1.83	262.58	0.58	12	1	3	1.75	2.0	2.00	c
Darselect.2	2.54	469.58	1.05	13	1	5	2.00	3.0	3.00	bc
Darselect.3	2.44	446.89	0.88	9	1	4	2.00	2.0	3.00	bc
Darselect.4	2.00	332.25	1.41	4	1	4	1.00	1.5	2.50	bc
Dream.0	4.40	737.30	2.88	5	2	9	2.00	4.0	5.00	abc
Dream.1	2.64	485.68	1.12	11	1	5	2.00	2.0	3.00	bc
Dream.2	2.50	467.43	0.94	14	1	4	2.00	2.5	3.00	bc
Dream.3	2.77	508.27	1.09	13	2	6	2.00	3.0	3.00	bc
Dream.4	2.33	403.33	0.50	9	2	3	2.00	2.0	3.00	bc
Dream.5	2.50	479.50	0.84	6	1	3	2.25	3.0	3.00	bc
Dream.6	2.00	348.50	1.15	4	1	3	1.00	2.0	3.00	bc
gariguette.0	10.83	1181.33	2.48	6	8	14	9.00	10.5	12.75	a
gariguette.1	2.28	381.92	0.89	18	1	5	2.00	2.0	2.75	bc
gariguette.2	3.13	597.53	1.51	15	1	6	2.00	3.0	4.00	abc
gariguette.3	2.50	489.25	1.00	4	1	3	2.50	3.0	3.00	bc
Leroy Ladurie.0	6.83	802.33	4.83	6	1	12	2.50	8.0	10.50	abc
Leroy Ladurie.1	5.56	871.42	3.47	18	1	13	4.00	4.5	6.75	abc
Leroy Ladurie.2	6.13	998.47	2.20	15	1	9	5.00	7.0	7.50	abc
Leroy Ladurie.3	7.67	1123.00	2.52	3	5	10	6.50	8.0	9.00	abc
Leroy Ladurie.4	7.00	908.50	5.66	2	3	11	5.00	7.0	9.00	abc
Leroy Ladurie.5	7.00	1130.00	NA	1	7	7	7.00	7.0	7.00	abc
Magnum.0	6.83	1079.17	2.79	6	4	12	5.25	6.5	7.00	abc
Magnum.1	2.79	482.48	1.82	24	1	7	1.75	2.0	4.00	bc
Magnum.2	3.43	692.89	1.27	23	1	6	2.50	3.0	4.00	abc
Magnum.3	3.50	660.25	2.12	2	2	5	2.75	3.5	4.25	abc
Manon.0	6.33	933.08	3.27	6	1	10	4.75	7.5	8.00	abc
Manon.1	3.00	587.74	1.32	17	1	6	2.00	3.0	4.00	abc
Manon.2	3.18	657.50	1.01	17	1	5	3.00	3.0	4.00	abc
Manon.3	2.25	417.25	1.50	4	1	4	1.00	2.0	3.25	bc
Manon.4	2.00	290.00	NA	1	2	2	2.00	2.0	2.00	c
Manon.5	1.00	67.00	NA	1	1	1	1.00	1.0	1.00	c
Moutot.0	2.75	558.00	1.26	4	1	4	2.50	3.0	3.25	abc
Moutot.1	2.80	506.10	1.30	5	2	5	2.00	2.0	3.00	bc
Moutot.2	3.17	629.25	1.17	6	2	5	2.25	3.0	3.75	abc
Moutot.3	2.40	426.00	0.55	5	2	3	2.00	2.0	3.00	bc
Moutot.4	3.00	548.75	2.83	2	1	5	2.00	3.0	4.00	abc
Moutot.5	7.00	1130.00	NA	1	7	7	7.00	7.0	7.00	abc

Row.names	data...variable.	rank	std	r	Min	Max	Q25	Q50	Q75	groups
Osiris.0	6.50	971.25	3.39	6	3	12	3.75	6.5	7.75	abc
Osiris.1	3.04	607.46	1.23	24	1	6	2.00	3.0	4.00	abc
Osiris.2	3.11	603.50	1.23	28	1	6	2.00	3.0	3.25	abc
Osiris.3	2.57	488.00	0.76	14	1	4	2.00	3.0	3.00	bc
Osiris.4	3.00	630.00	0.00	2	3	3	3.00	3.0	3.00	abc
Rubis.0	3.25	529.25	2.63	4	1	7	1.75	2.5	4.00	bc
Rubis.1	2.25	417.25	1.50	4	1	4	1.00	2.0	3.25	bc
Rubis.2	4.75	546.00	5.56	4	1	13	1.75	2.5	5.50	abc
Rubis.3	2.00	319.25	0.82	4	1	3	1.75	2.0	2.25	c
Rubis.4	6.00	1087.50	0.00	2	6	6	6.00	6.0	6.00	abc
Rubis.5	6.00	1031.50	2.83	2	4	8	5.00	6.0	7.00	abc
Rubis.6	5.00	880.00	2.83	2	3	7	4.00	5.0	6.00	abc
Sanié.0	3.17	519.50	2.64	6	1	8	1.25	2.5	3.75	bc
Sanié.1	2.43	424.57	1.40	14	1	5	1.25	2.0	3.00	bc
Sanié.2	2.53	489.53	1.13	15	1	4	1.50	3.0	3.00	bc
Sanié.3	2.62	490.73	1.12	13	1	5	2.00	3.0	3.00	bc
Sanié.4	2.56	484.67	0.88	9	1	4	2.00	3.0	3.00	bc
Sanié.5	3.00	630.00	0.00	5	3	3	3.00	3.0	3.00	abc
Sanié.6	3.00	630.00	NA	1	3	3	3.00	3.0	3.00	abc
Sans rivale.0	8.67	1149.50	2.31	3	6	10	8.00	10.0	10.00	ab
Sans rivale.1	2.81	473.03	2.17	16	1	10	1.75	2.5	3.00	bc
Sans rivale.2	2.81	475.53	1.60	16	2	8	2.00	2.0	3.00	bc
Sans rivale.3	2.27	393.36	0.65	11	1	3	2.00	2.0	3.00	bc
Sans rivale.4	3.00	617.00	0.71	5	2	4	3.00	3.0	3.00	abc

3.2.2 crown type distribution

3.2.2.1 Table 11: Crown type distribution data

Table 11: Crown_type distribution

Genotype	order	type_of_crown	n	prob
Belle_et_Bonne	0	Main	5	1.00
Belle_et_Bonne	1	Branch	11	0.69
Belle_et_Bonne	1	Extension	5	0.31
Belle_et_Bonne	2	Branch	3	0.17
Belle_et_Bonne	2	Extension	15	0.83
Belle_et_Bonne	3	Branch	1	0.06
Belle_et_Bonne	3	Extension	15	0.94
Belle_et_Bonne	4	Extension	3	1.00
Belle_et_Bonne	5	Extension	1	1.00
Belrubi	0	Main	5	1.00
Belrubi	1	Branch	10	0.67
Belrubi	1	Extension	5	0.33
Belrubi	2	Branch	3	0.18
Belrubi	2	Extension	14	0.82
Belrubi	3	Extension	4	1.00
Belrubi	4	Extension	1	1.00
CF10122	0	Main	6	1.00
CF10122	1	Branch	13	0.68
CF10122	1	Extension	6	0.32

Genotype	order	type_of_crown	n	prob
CF10122	2	Branch	1	0.05
CF10122	2	Extension	19	0.95
CF10122	3	Extension	7	1.00
CF10122	4	Extension	1	1.00
CF10277	0	Main	6	1.00
CF10277	1	Branch	25	0.81
CF10277	1	Extension	6	0.19
CF10277	2	Branch	4	0.12
CF10277	2	Extension	28	0.88
CF10277	3	Extension	14	1.00
CF12074	0	Main	6	1.00
CF12074	1	Branch	15	0.71
CF12074	1	Extension	6	0.29
CF12074	2	Branch	12	0.36
CF12074	2	Extension	21	0.64
CF12074	3	Branch	5	0.20
CF12074	3	Extension	20	0.80
CF12074	4	Extension	8	1.00
CF12074	5	Extension	2	1.00
CF9416	0	Main	5	1.00
CF9416	1	Branch	16	0.76
CF9416	1	Extension	5	0.24
CF9416	2	Branch	2	0.10
CF9416	2	Extension	18	0.90
CF9416	3	Branch	4	0.27
CF9416	3	Extension	11	0.73
CF9416	4	Extension	4	1.00
Ciflorette	0	Main	6	1.00
Ciflorette	1	Branch	13	0.72
Ciflorette	1	Extension	5	0.28
Ciflorette	2	Branch	10	0.38
Ciflorette	2	Extension	16	0.62
Ciflorette	3	Extension	11	1.00
Ciflorette	4	Branch	1	0.25
Ciflorette	4	Extension	3	0.75
Ciflorette	5	Extension	1	1.00
Ciflorette	6	Extension	1	1.00
Cigaline	0	Main	4	1.00
Cigaline	1	Branch	11	0.73
Cigaline	1	Extension	4	0.27
Cigaline	2	Branch	1	0.07
Cigaline	2	Extension	14	0.93
Cigaline	3	Extension	5	1.00
CIR107	0	Main	6	1.00
CIR107	1	Branch	17	0.74
CIR107	1	Extension	6	0.26
CIR107	2	Branch	4	0.16
CIR107	2	Extension	21	0.84
CIR107	3	Branch	1	0.06
CIR107	3	Extension	15	0.94
CIR107	4	Extension	3	1.00
Cireine	0	Main	6	1.00

Genotype	order	type_of_crown	n	prob
Cireine	1	Branch	10	0.62
Cireine	1	Extension	6	0.38
Cireine	2	Branch	1	0.06
Cireine	2	Extension	15	0.94
Cireine	3	Extension	8	1.00
Cireine	4	Extension	1	1.00
Clery	0	Main	6	1.00
Clery	1	Branch	11	0.65
Clery	1	Extension	6	0.35
Clery	2	Branch	2	0.12
Clery	2	Extension	14	0.88
Clery	3	Branch	1	0.11
Clery	3	Extension	8	0.89
Clery	4	Extension	1	1.00
Darselect	0	Main	5	1.00
Darselect	1	Branch	7	0.58
Darselect	1	Extension	5	0.42
Darselect	2	Branch	2	0.15
Darselect	2	Extension	11	0.85
Darselect	3	Branch	1	0.11
Darselect	3	Extension	8	0.89
Darselect	4	Extension	4	1.00
Dream	0	Main	5	1.00
Dream	1	Branch	7	0.64
Dream	1	Extension	4	0.36
Dream	2	Branch	4	0.29
Dream	2	Extension	10	0.71
Dream	3	Branch	1	0.08
Dream	3	Extension	12	0.92
Dream	4	Branch	2	0.22
Dream	4	Extension	7	0.78
Dream	5	Branch	1	0.17
Dream	5	Extension	5	0.83
Dream	6	Extension	4	1.00
gariguette	0	Main	6	1.00
gariguette	1	Branch	13	0.72
gariguette	1	Extension	5	0.28
gariguette	2	Branch	2	0.13
gariguette	2	Extension	13	0.87
gariguette	3	Branch	1	0.25
gariguette	3	Extension	3	0.75
Leroy Ladurie	0	Main	6	1.00
Leroy Ladurie	1	Branch	12	0.67
Leroy Ladurie	1	Extension	6	0.33
Leroy Ladurie	2	Branch	1	0.07
Leroy Ladurie	2	Extension	14	0.93
Leroy Ladurie	3	Extension	3	1.00
Leroy Ladurie	4	Branch	1	0.50
Leroy Ladurie	4	Extension	1	0.50
Leroy Ladurie	5	Extension	1	1.00
Magnum	0	Main	6	1.00
Magnum	1	Branch	18	0.75

Genotype	order	type_of_crown	n	prob
Magnum	1	Extension	6	0.25
Magnum	2	Branch	4	0.17
Magnum	2	Extension	19	0.83
Magnum	3	Extension	2	1.00
Manon	0	Main	6	1.00
Manon	1	Branch	11	0.65
Manon	1	Extension	6	0.35
Manon	2	Branch	2	0.12
Manon	2	Extension	15	0.88
Manon	3	Branch	1	0.25
Manon	3	Extension	3	0.75
Manon	4	Extension	1	1.00
Manon	5	Extension	1	1.00
Moutot	0	Main	4	1.00
Moutot	1	Branch	1	0.20
Moutot	1	Extension	4	0.80
Moutot	2	Branch	1	0.17
Moutot	2	Extension	5	0.83
Moutot	3	Extension	5	1.00
Moutot	4	Extension	2	1.00
Moutot	5	Extension	1	1.00
Osiris	0	Main	6	1.00
Osiris	1	Branch	18	0.75
Osiris	1	Extension	6	0.25
Osiris	2	Branch	9	0.32
Osiris	2	Extension	19	0.68
Osiris	3	Branch	1	0.07
Osiris	3	Extension	13	0.93
Osiris	4	Extension	2	1.00
Rubis	0	Main	4	1.00
Rubis	1	Extension	4	1.00
Rubis	2	Extension	4	1.00
Rubis	3	Branch	1	0.25
Rubis	3	Extension	3	0.75
Rubis	4	Extension	2	1.00
Rubis	5	Branch	1	0.50
Rubis	5	Extension	1	0.50
Rubis	6	Extension	2	1.00
Sanié	0	Main	6	1.00
Sanié	1	Branch	8	0.57
Sanié	1	Extension	6	0.43
Sanié	2	Branch	1	0.07
Sanié	2	Extension	14	0.93
Sanié	3	Branch	2	0.15
Sanié	3	Extension	11	0.85
Sanié	4	Branch	1	0.11
Sanié	4	Extension	8	0.89
Sanié	5	Extension	5	1.00
Sanié	6	Extension	1	1.00
Sans rivale	0	Main	3	1.00
Sans rivale	1	Branch	13	0.81
Sans rivale	1	Extension	3	0.19

Genotype	order	type_of_crown	n	prob
Sans rivale	2	Branch	3	0.19
Sans rivale	2	Extension	13	0.81
Sans rivale	3	Branch	1	0.09
Sans rivale	3	Extension	10	0.91
Sans rivale	4	Extension	5	1.00

Figure 4:Frequency distribution of branch crown for all genotypes

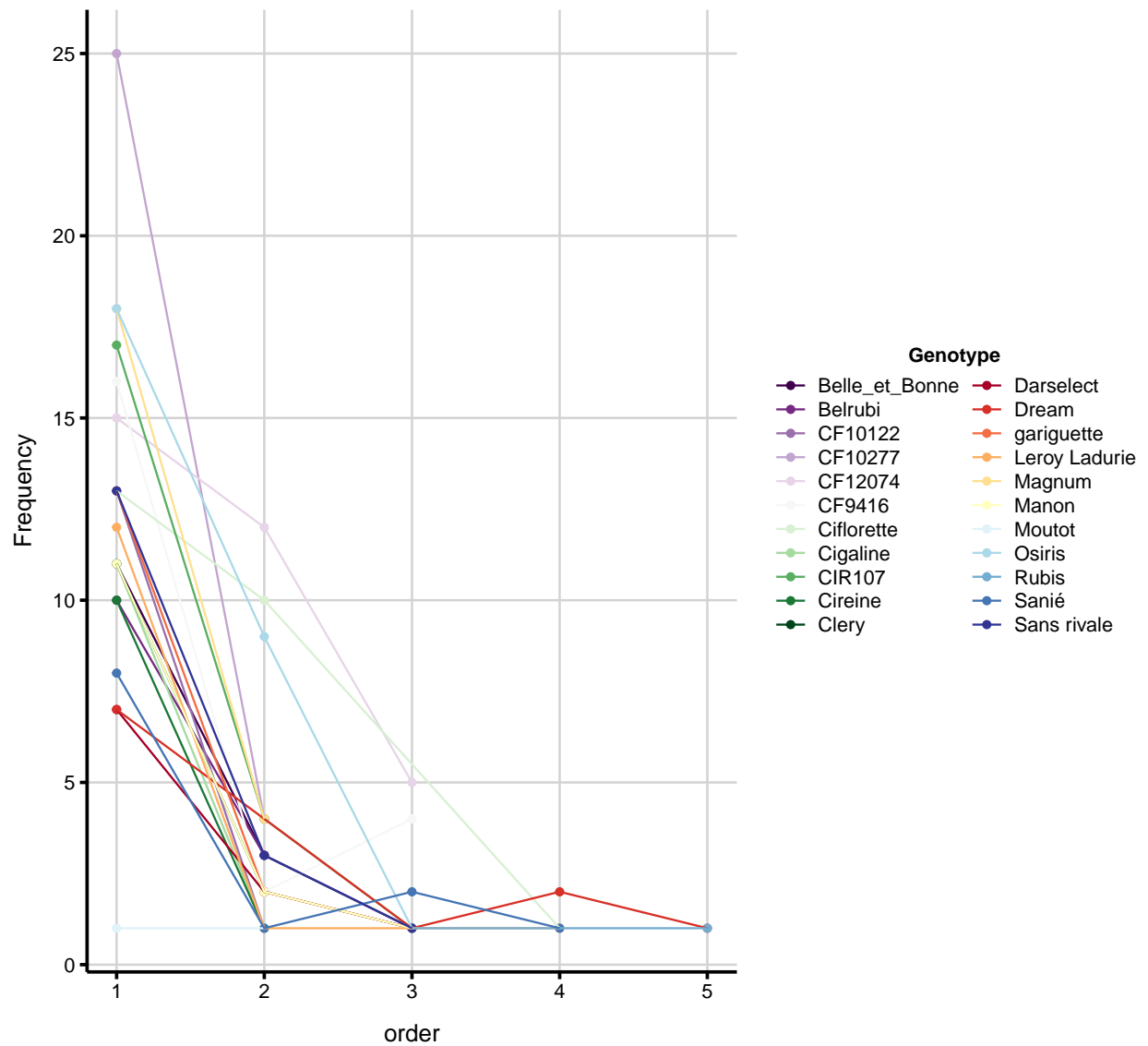


Figure 3: frequency distribution of branch crown

3.2.2.2 Figure 4: Frequency distribution of branch crown

Figure 5:Relative frequency distribution of branch crown for all genotypes

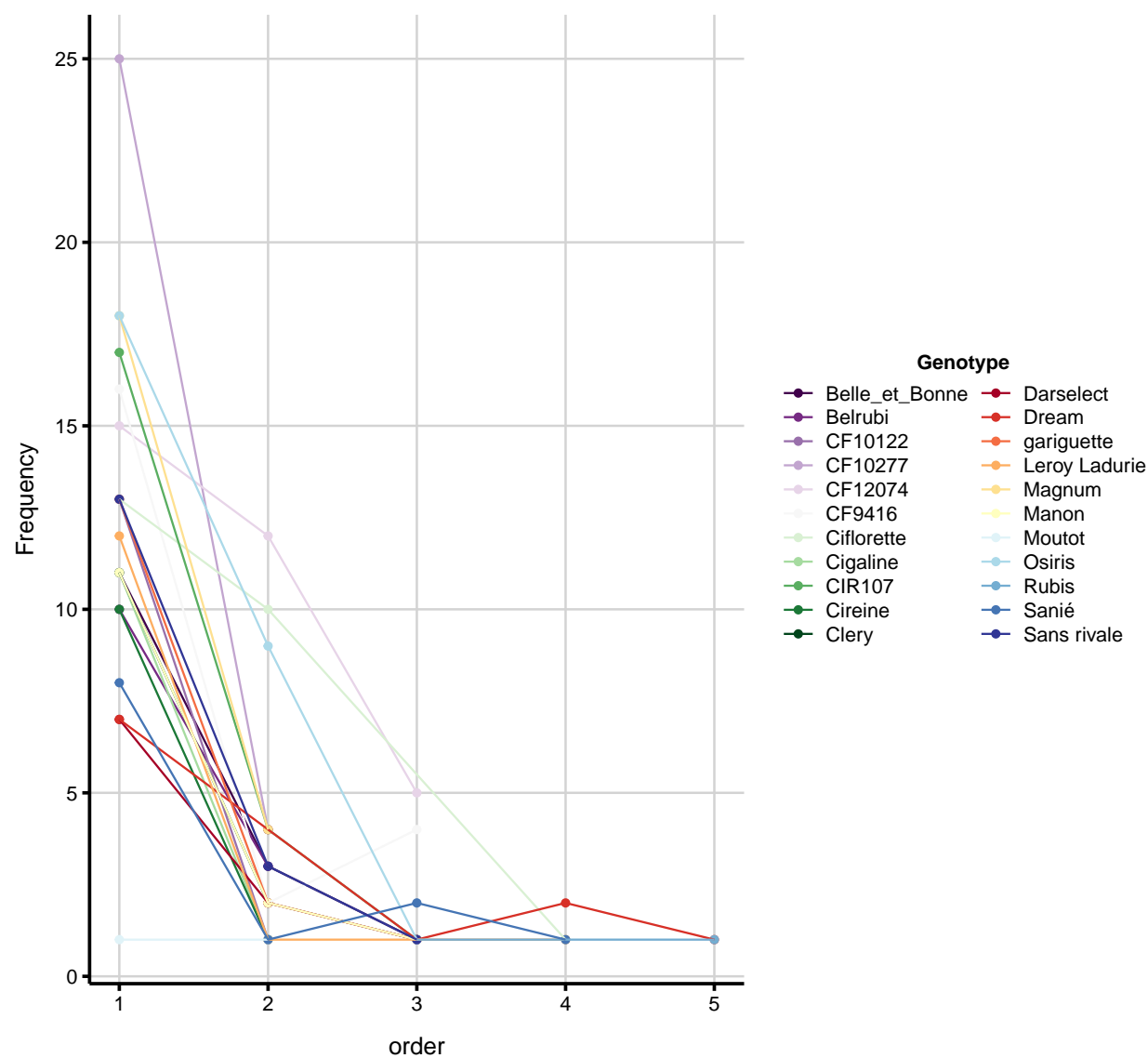


Figure 4: Relative frequency distribution of branch crown

3.2.2.3 Figure 5: Relative frequency of branch crown

3.3 Node scale analysis

3.3.1 Mean and standard deviation at node scale

Table 12: Table of Mean and standard deviation of variable at node scale

Genotype	date	order	rank	no_modules	branching	growth	subordination	branching	length	length	branching	growth	subordination	branching	length	length
Belle_2023	Benhe	04-25	1	2.200	0.600	1.600	5.000	2.168	0.548	1.673	5.385					
Belle_2023	Benhe	04-25	2	1.400	0.400	1.000	3.600	1.949	0.548	1.414	5.128					
Belle_2023	Benhe	04-25	3	2.400	0.800	1.600	7.000	2.510	0.837	1.673	6.782					
Belle_2023	Benhe	04-25	4	0.800	0.400	0.400	2.400	1.304	0.548	0.894	4.336					
Belle_2023	Benhe	04-25	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000					
Belle_2023	Benhe	04-25	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000					
Belle_2023	Benhe	04-25	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000					
Belle_2023	Benhe	04-25	8	3.000	1.000	2.000	7.000	NA	NA	NA	NA					
Belle_2023	Benhe	04-25	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA					
Belle_2023	Benhe	04-25	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA					
Belle_2023	Benhe	04-25	6	0.500	0.500	0.000	1.500	0.707	0.707	0.000	2.121					
Belle_2023	Benhe	04-25	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000					
Belle_2023	Benhe	04-25	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000					
Belle_2023	Benhe	04-25	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000					

Genotype	date	order	rank	no_modules	es_branching	growth	absorption	branching	length	length	base	branching	growth	exterior	branching	length	length
Belle_2023	Benhe	10		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
04-25																	
Belle_2023	Benhe	11		0.500	0.500	0.000	2.000	0.707	0.707	0.000	2.828						
04-25																	
Belle_2023	Benhe	12		0.000	0.000	0.000	0.000	NA	NA	NA	NA						
04-25																	
Belle_2023	Benhe	13		0.000	0.000	0.000	0.000	NA	NA	NA	NA						
04-25																	
Belle_2023	Benhe	8		0.000	0.000	0.000	0.000	NA	NA	NA	NA						
04-25																	
Belle_2023	Benhe	9		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
04-25																	
Belle_2023	Benhe	10		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
04-25																	
Belle_2023	Benhe	11		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
04-25																	
Belle_2023	Benhe	12		0.500	0.500	0.000	0.500	0.707	0.707	0.000	0.707						
04-25																	
Belle_2023	Benhe	13		0.000	0.000	0.000	0.000	NA	NA	NA	NA						
04-25																	
Belle_2023	Benhe	14		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
04-25																	
Belle_2023	Benhe	15		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
04-25																	
Belle_2023	Benhe	16		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
04-25																	
Belle_2023	Benhe	17		0.000	0.000	0.000	0.000	NA	NA	NA	NA						
04-25																	
Belle_2023	Benhe	18		0.000	0.000	0.000	0.000	NA	NA	NA	NA						
04-25																	
Belle_2023	Benhe	19		0.000	0.000	0.000	0.000	NA	NA	NA	NA						
04-25																	
Belle_2023	Benhe	20		0.000	0.000	0.000	0.000	NA	NA	NA	NA						
04-25																	

Genotype	date	order	rank	kno_	modules	ex_	branching	growth	subst	branching	branching	branching	branching	branching	branching	branching	branching
Belle_e2023-04-25	Belle_e2023-04-25	21	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belle_e2023-04-25	Belle_e2023-04-25	22	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belle_e2023-04-25	Belle_e2023-04-25	23	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belle_e2023-04-25	Belle_e2023-04-25	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belle_e2023-04-25	Belle_e2023-04-25	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Belle_e2023-04-25	Belle_e2023-04-25	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Belle_e2023-04-25	Belle_e2023-04-25	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Belle_e2023-04-25	Belle_e2023-04-25	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Belle_e2023-04-25	Belle_e2023-04-25	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belle_e2023-04-25	Belle_e2023-04-25	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belle_e2023-04-25	Belle_e2023-04-25	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belle_e2023-04-25	Belle_e2023-04-25	19	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belle_e2023-04-25	Belle_e2023-04-25	20	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Belrubi2022-04-25	Belrubi2022-04-25	0	1	1.000	0.600	0.400	2.600	1.000	0.548	0.548	2.608						
Belrubi2022-04-25	Belrubi2022-04-25	0	2	1.800	1.000	0.800	5.000	1.643	1.000	0.837	4.690						
Belrubi2022-04-25	Belrubi2022-04-25	0	3	0.400	0.200	0.200	0.800	0.894	0.447	0.447	1.789						
Belrubi2022-04-25	Belrubi2022-04-25	0	4	1.000	0.500	0.500	3.500	1.155	0.577	0.577	4.359						

[illegible]

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	leaf	branching	growth	stomatal	branching	length	length
Belrubi	2022-04-25	2	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Belrubi	2022-04-25	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Belrubi	2022-04-25	2	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Belrubi	2022-04-25	2	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Belrubi	2022-04-25	3	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Belrubi	2022-04-25	3	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Belrubi	2022-04-25	3	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Belrubi	2022-04-25	3	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Belrubi	2022-04-25	3	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1012	2022-04-11	0	1	2.333	1.000	1.333	5.833	0.816	0.000	0.816	2.927						
CF1012	2022-04-11	0	2	1.833	0.833	1.000	4.333	1.602	0.753	0.894	3.502						
CF1012	2022-04-11	0	3	0.800	0.400	0.400	2.200	1.095	0.548	0.548	3.493						
CF1012	2022-04-11	0	4	0.500	0.250	0.250	1.500	1.000	0.500	0.500	3.000						
CF1012	2022-04-11	0	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF1012	2022-04-11	0	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1012	2022-04-11	0	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1012	2022-04-11	0	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	Date	Order	Rank	No. modules	Exo branching	Growth	Substrate branching	Vinyl branching	Methyl branching	Isoprene branching	Gross extension	Starch branching	Cellulose branching
CF1012	2022-04-11	1	3	0.000	0.000	0.000	0.000	NA	NA	NA	NA		
CF1012	2022-04-11	1	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	1	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	1	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	1	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA		
CF1012	2022-04-11	1	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA		
CF1012	2022-04-11	1	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA		
CF1012	2022-04-11	2	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA		
CF1012	2022-04-11	2	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA		
CF1012	2022-04-11	2	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	2	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	2	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
CF1012	2022-04-11	3	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA		
CF1012	2022-04-11	3	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA		

Genotype	date	order	rank	no_modules	no_branching	growth	absorption	branching	length	length	leaf	branching	growth	stems	branching	length	length
CF1012	2022-04-11	3	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1012	2022-04-11	3	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1012	2022-04-11	3	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1027	2022-04-19	0	1	2.500	1.000	1.500	5.833	0.837	0.000	0.837	2.483						
CF1027	2022-04-19	0	2	1.667	0.667	1.000	3.333	1.366	0.516	0.894	2.658						
CF1027	2022-04-19	0	3	2.000	1.000	1.000	4.667	1.414	0.632	0.894	3.445						
CF1027	2022-04-19	0	4	1.500	0.667	0.833	3.667	1.225	0.516	0.753	3.445						
CF1027	2022-04-19	0	5	0.400	0.200	0.200	1.000	0.894	0.447	0.447	2.236						
CF1027	2022-04-19	0	6	1.500	0.750	0.750	3.250	1.915	0.957	0.957	3.948						
CF1027	2022-04-19	0	7	1.000	0.667	0.333	2.333	1.000	0.577	0.577	2.517						
CF1027	2022-04-19	0	8	0.667	0.333	0.333	1.667	1.155	0.577	0.577	2.887						
CF1027	2022-04-19	0	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1027	2022-04-19	1	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1027	2022-04-19	1	6	2.000	1.000	1.000	5.000	0.000	0.000	0.000	1.414						
CF1027	2022-04-19	1	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF1027	2022-04-19	1	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF1027	2022-04-19	1	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

Genotype	date	order	rank	no_modules	no_branching	growth	absorbance	branching	length	length	branching	growth	absorbance	branching	length	length
CF102720	2022-04-19	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF102720	2022-04-19	1	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF102720	2022-04-19	2	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF102720	2022-04-19	2	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF102720	2022-04-19	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF102720	2022-04-19	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF102720	2022-04-19	2	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF102720	2022-04-19	2	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF102720	2022-04-19	2	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF102720	2022-04-19	3	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF102720	2022-04-19	3	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF102720	2022-04-19	3	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF102720	2022-04-19	3	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF102720	2022-04-19	3	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF120720	2022-04-25	0	1	3.000	1.333	1.667	8.000	0.894	0.516	0.516	4.336	0.516	0.516	4.336	0.516	4.336
CF120720	2022-04-25	0	2	1.500	0.667	0.833	3.833	1.761	0.816	0.983	4.834	0.983	0.983	4.834	0.983	4.834
CF120720	2022-04-25	0	3	3.667	1.667	2.000	11.000	0.577	0.577	0.000	2.646	0.577	0.577	2.646	0.577	2.646

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Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	base	branching	growth	extinction	branching	length	length
CF120720	2022-04-25	2	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF120720	2022-04-25	2	9	1.000	0.500	0.500	2.000	1.414	0.707	0.707	2.828						
CF120720	2022-04-25	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF120720	2022-04-25	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF120720	2022-04-25	2	12	0.333	0.333	0.000	0.333	0.577	0.577	0.000	0.577						
CF120720	2022-04-25	2	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF120720	2022-04-25	3	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF120720	2022-04-25	3	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF120720	2022-04-25	3	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF120720	2022-04-25	3	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF120720	2022-04-25	3	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF120720	2022-04-25	3	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF120720	2022-04-25	3	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF120720	2022-04-25	3	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF120720	2022-04-25	3	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF120720	2022-04-25	4	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF120720	2022-04-25	4	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
CF120720	2022-04-25	4	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF120720	2022-04-25	4	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF120720	2022-04-25	5	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF120720	2022-04-25	5	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF120720	2022-04-25	5	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF120720	2022-04-25	5	19	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF9410	2022-04-25	0	1	1.800	0.600	1.200	5.000	2.049	0.548	1.643	5.196	2.049	0.548	1.643	5.196	2.049	0.548
CF9410	2022-04-25	0	2	1.600	0.600	1.000	3.800	2.302	0.894	1.414	6.099	2.302	0.894	1.414	6.099	2.302	0.894
CF9410	2022-04-25	0	3	1.400	1.000	0.400	3.600	1.517	1.000	0.548	3.912	1.517	1.000	0.548	3.912	1.517	1.000
CF9410	2022-04-25	0	4	1.400	0.600	0.800	4.400	2.191	0.894	1.304	7.797	2.191	0.894	1.304	7.797	2.191	0.894
CF9410	2022-04-25	0	5	1.200	0.600	0.600	3.600	1.304	0.548	0.894	3.578	1.304	0.548	0.894	3.578	1.304	0.548
CF9410	2022-04-25	0	6	1.400	0.600	0.800	4.200	1.342	0.548	0.837	4.266	1.342	0.548	0.837	4.266	1.342	0.548
CF9410	2022-04-25	0	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CF9410	2022-04-25	0	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF9410	2022-04-25	0	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF9410	2022-04-25	0	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CF9410	2022-04-25	0	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
CF9416	2022-04-25	0	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	1	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	1	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	1	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	1	11	1.000	1.000	0.000	1.000	NA	NA	NA	NA						
CF9416	2022-04-25	1	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	1	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	1	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	2	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	2	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	2	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	2	15	0.500	0.500	0.000	1.000	0.707	0.707	0.000	1.414						
CF9416	2022-04-25	2	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	2	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	no_branching	growth	absorption	branching	length	length	leaf area	branching	growth	extinction	branching	length	length
CF9416	2022-04-25	2	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	3	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	3	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CF9416	2022-04-25	3	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	3	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	3	19	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	4	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	4	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CF9416	2022-04-25	4	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cifloret	2022-04-05	0	1	2.000	1.167	0.833	6.500	3.347	2.041	1.329	10.464						
Cifloret	2022-04-05	0	2	2.200	1.000	1.200	7.600	1.304	0.707	0.837	4.336						
Cifloret	2022-04-05	0	3	2.600	1.000	1.600	6.000	1.949	0.707	1.342	4.472						
Cifloret	2022-04-05	0	4	0.800	0.400	0.400	1.600	1.304	0.548	0.894	3.050						
Cifloret	2022-04-05	0	5	0.500	0.250	0.250	2.000	1.000	0.500	0.500	4.000						
Cifloret	2022-04-05	0	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cifloret	2022-04-05	1	2	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cifloret	2022-04-05	1	3	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	leaf	branching	growth	exterior	branching	length	length
Cifloret	2022-04-05	1	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cifloret	2022-04-05	1	5	3.000	1.000	2.000	7.500	4.243	1.414	2.828	10.607						
Cifloret	2022-04-05	1	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cifloret	2022-04-05	1	7	0.500	0.250	0.250	1.250	1.000	0.500	0.500	2.500						
Cifloret	2022-04-05	1	8	0.333	0.333	0.000	0.667	0.577	0.577	0.000	1.155						
Cifloret	2022-04-05	1	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cifloret	2022-04-05	2	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cifloret	2022-04-05	2	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cifloret	2022-04-05	2	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cifloret	2022-04-05	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cifloret	2022-04-05	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cifloret	2022-04-05	2	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cifloret	2022-04-05	3	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cifloret	2022-04-05	3	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cifloret	2022-04-05	3	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigalin	2022-04-19	0	1	2.250	1.000	1.250	6.250	0.500	0.000	0.500	0.957						
Cigalin	2022-04-19	0	2	1.250	0.500	0.750	4.000	1.500	0.577	0.957	4.619						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	leaf	branching	growth	exterior	branching	length	length
Cigalini	2022-04-19	0	3	2.500	1.000	1.500	7.000	0.707	0.000	0.707	2.828						
Cigalini	2022-04-19	0	4	1.000	0.500	0.500	3.500	1.414	0.707	0.707	4.950						
Cigalini	2022-04-19	0	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cigalini	2022-04-19	0	6	1.000	0.500	0.500	2.000	1.414	0.707	0.707	2.828						
Cigalini	2022-04-19	0	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cigalini	2022-04-19	0	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigalini	2022-04-19	0	9	1.000	1.000	0.000	5.000	NA	NA	NA	NA						
Cigalini	2022-04-19	0	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigalini	2022-04-19	1	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cigalini	2022-04-19	1	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cigalini	2022-04-19	1	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigalini	2022-04-19	1	6	1.000	1.000	0.000	3.000	NA	NA	NA	NA						
Cigalini	2022-04-19	1	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigalini	2022-04-19	1	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigalini	2022-04-19	1	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigalini	2022-04-19	1	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigalini	2022-04-19	1	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
Cigaline	2022-04-19	1	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	1	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	1	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	2	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	3	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	3	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cigaline	2022-04-19	3	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cigaline	2022-04-19	3	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	leaf	branching	growth	exterior	branching	length	length
Cigalini	2022-04-19	3	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	0	1	1.667	0.667	1.000	5.167	1.366	0.516	0.894	4.167						
CIR107	2022-04-05	0	2	1.500	0.667	0.833	2.667	1.517	0.516	1.169	3.077						
CIR107	2022-04-05	0	3	2.400	1.000	1.400	7.600	1.517	0.707	0.894	6.189						
CIR107	2022-04-05	0	4	1.800	0.600	1.200	4.000	1.789	0.548	1.304	3.808						
CIR107	2022-04-05	0	5	0.333	0.333	0.000	0.333	0.577	0.577	0.000	0.577						
CIR107	2022-04-05	0	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	0	7	3.000	1.000	2.000	5.000	NA	NA	NA	NA						
CIR107	2022-04-05	0	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	1	3	2.000	1.000	1.000	3.000	NA	NA	NA	NA						
CIR107	2022-04-05	1	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	1	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	1	7	0.250	0.250	0.000	0.750	0.500	0.500	0.000	1.500						
CIR107	2022-04-05	1	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	1	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
CIR107	2022-04-05	1	11	0.500	0.500	0.000	1.000	0.707	0.707	0.000	1.414						
CIR107	2022-04-05	1	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	2	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	2	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	2	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	2	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	2	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	2	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	2	15	1.000	1.000	0.000	3.000	NA	NA	NA	NA						
CIR107	2022-04-05	2	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	3	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	3	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	3	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
CIR107	2022-04-05	3	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
CIR107	2022-04-05	3	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
CIR107	2022-04-05	3	17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CIR107	2022-04-05	3	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIR107	2022-04-05	3	19	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIR107	2022-04-05	4	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIR107	2022-04-05	4	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIR107	2022-04-05	4	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cireine	2022-04-25	0	1	1.833	0.667	1.167	5.000	1.602	0.516	1.169	4.195	1.169	4.195	1.169	4.195	1.169	4.195
Cireine	2022-04-25	0	2	0.833	0.500	0.333	2.500	0.983	0.548	0.516	3.564	0.516	3.564	0.516	3.564	0.516	3.564
Cireine	2022-04-25	0	3	0.500	0.167	0.333	1.000	1.225	0.408	0.816	2.449	0.816	2.449	0.816	2.449	0.816	2.449
Cireine	2022-04-25	0	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cireine	2022-04-25	0	5	0.667	0.333	0.333	2.333	1.155	0.577	0.577	4.041	0.577	4.041	0.577	4.041	0.577	4.041
Cireine	2022-04-25	0	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cireine	2022-04-25	0	7	1.000	0.500	0.500	5.500	1.414	0.707	0.707	7.778	0.707	7.778	0.707	7.778	0.707	7.778
Cireine	2022-04-25	0	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cireine	2022-04-25	1	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cireine	2022-04-25	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cireine	2022-04-25	1	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	base	branching	growth	esters	branching	length	length
Cireine	2022-04-25	1	7	1.000	0.500	0.500	3.500	1.414	0.707	0.707	4.950						
Cireine	2022-04-25	1	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	1	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	1	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	1	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	2	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	2	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	2	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	2	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	2	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	2	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	2	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	2	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	2	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	2	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
Cireine	2022-04-25	2	19	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	2	20	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	2	21	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	2	22	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	3	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	3	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	3	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Cireine	2022-04-25	3	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	3	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	3	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	3	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Cireine	2022-04-25	3	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Clery	2022-04-05	0	1	0.833	0.333	0.500	2.167	1.329	0.516	0.837	3.710						
Clery	2022-04-05	0	2	0.833	0.333	0.500	2.167	1.329	0.516	0.837	3.710						
Clery	2022-04-05	0	3	0.833	0.500	0.333	2.167	0.983	0.548	0.516	3.061						
Clery	2022-04-05	0	4	1.400	0.600	0.800	3.200	2.191	0.894	1.304	5.630						
Clery	2022-04-05	0	5	0.333	0.333	0.000	0.667	0.577	0.577	0.000	1.155						

[illegible]

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
Clery	2022-04-05	2	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Clery	2022-04-05	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Clery	2022-04-05	3	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Clery	2022-04-05	3	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Clery	2022-04-05	3	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Clery	2022-04-05	3	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Clery	2022-04-05	3	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Clery	2022-04-05	3	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Clery	2022-04-05	3	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Clery	2022-04-05	3	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Clery	2022-04-05	4	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Clery	2022-04-05	4	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Clery	2022-04-05	4	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Clery	2022-04-05	4	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Darsele	2022-04-05	0	1	0.800	0.200	0.600	1.400	1.789	0.447	1.342	3.130	0.447	1.342	3.130	0.447	1.342	3.130
Darsele	2022-04-05	0	2	2.000	0.800	1.200	4.200	2.000	0.837	1.304	4.604	0.837	1.304	4.604	0.837	1.304	4.604
Darsele	2022-04-05	0	3	1.400	0.400	1.000	3.000	1.949	0.548	1.414	4.472	0.548	1.414	4.472	0.548	1.414	4.472

[illegible]

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	seab	branching	growth	extinction	branching	length	length
Darsele	2022-04-05	3	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Darsele	2022-04-05	4	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Darsele	2022-04-05	4	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Darsele	2022-04-05	4	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Darsele	2022-04-05	4	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	0	1	2.200	0.800	1.400	5.800	2.490	0.837	1.673	6.648	6.648	6.648	6.648	6.648	6.648	6.648
Dream	2022-04-19	0	2	1.200	0.400	0.800	3.000	2.683	0.894	1.789	6.708	6.708	6.708	6.708	6.708	6.708	6.708
Dream	2022-04-19	0	3	1.667	0.667	1.000	3.000	2.887	1.155	1.732	5.196	5.196	5.196	5.196	5.196	5.196	5.196
Dream	2022-04-19	0	4	0.333	0.333	0.000	1.000	0.577	0.577	0.000	1.732	1.732	1.732	1.732	1.732	1.732	1.732
Dream	2022-04-19	0	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	0	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	0	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	0	8	3.000	1.000	2.000	6.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	0	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	1	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	1	4	1.000	0.500	0.500	2.000	1.414	0.707	0.707	2.828	2.828	2.828	2.828	2.828	2.828	2.828
Dream	2022-04-19	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	leaf	branching	growth	stems	branching	length	length
Dream	2022-04-19	1	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	2	5	7.000	2.000	5.000	20.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	2	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	2	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	2	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	2	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	3	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	3	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	3	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	3	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	3	11	1.000	0.333	0.667	2.000	1.732	0.577	1.155	3.464	1.155	3.464	1.155	3.464	1.155	3.464
Dream	2022-04-19	3	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	4	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	4	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	4	13	0.500	0.500	0.000	0.500	0.707	0.707	0.000	0.707	0.000	0.707	0.000	0.707	0.000	0.707
Dream	2022-04-19	4	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	5	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Genotype	date	order	rank	no_modules	no_branching	growth	absorption	branching	length	length	leaf	branching	growth	stems	branching	length	length
Dream	2022-04-19	5	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dream	2022-04-19	5	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dream	2022-04-19	6	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
garigue	2022-04-05	0	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
garigue	2022-04-05	0	2	0.500	0.333	0.167	1.167	1.225	0.816	0.408	2.858						
garigue	2022-04-05	0	3	0.667	0.333	0.333	1.333	1.633	0.816	0.816	3.266						
garigue	2022-04-05	0	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	0	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	0	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	0	7	0.500	0.333	0.167	1.000	0.837	0.516	0.408	1.549						
garigue	2022-04-05	0	8	0.500	0.333	0.167	1.333	0.837	0.516	0.408	2.805						
garigue	2022-04-05	0	9	0.400	0.200	0.200	1.400	0.894	0.447	0.447	3.130						
garigue	2022-04-05	0	10	0.667	0.333	0.333	1.667	1.155	0.577	0.577	2.887						
garigue	2022-04-05	0	11	1.333	0.667	0.667	3.333	1.155	0.577	0.577	2.887						
garigue	2022-04-05	0	12	1.333	0.667	0.667	4.000	1.528	0.577	1.155	5.292						
garigue	2022-04-05	0	13	0.500	0.500	0.000	1.000	0.707	0.707	0.000	1.414						
garigue	2022-04-05	0	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	seab	branching	growth	extinction	branching	length	length
garigue	2022-04-05	1	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
garigue	2022-04-05	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	1	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	1	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
garigue	2022-04-05	1	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	1	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
garigue	2022-04-05	1	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
garigue	2022-04-05	2	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
garigue	2022-04-05	2	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	2	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	2	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
garigue	2022-04-05	2	15	0.500	0.500	0.000	1.500	0.707	0.707	0.000	2.121						
garigue	2022-04-05	2	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	2	17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
garigue	2022-04-05	2	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
garigue	2022-04-05	2	19	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie	2022-04-19	0	1	1.000	0.667	0.333	5.833	0.894	0.516	0.516	4.535						

Genotype	date	order	rank	no_modules	ex_branding	growth	absorbance	blebbing	blebbing	blebbing	blebbing	branching	gross	extension	blebbing	blebbing	blebbing
Leroy Ladurie	2022-04-19	0	2	0.750	0.500	0.250	3.250	0.957	0.577	0.500	3.948						
Leroy Ladurie	2022-04-19	0	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie	2022-04-19	0	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie	2022-04-19	0	5	0.500	0.250	0.250	2.000	1.000	0.500	0.500	4.000						
Leroy Ladurie	2022-04-19	0	6	0.500	0.250	0.250	2.000	1.000	0.500	0.500	4.000						
Leroy Ladurie	2022-04-19	0	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie	2022-04-19	0	8	0.667	0.333	0.333	2.667	1.155	0.577	0.577	4.619						
Leroy Ladurie	2022-04-19	0	9	0.333	0.333	0.000	3.000	0.577	0.577	0.000	5.196						
Leroy Ladurie	2022-04-19	0	10	1.000	0.500	0.500	3.500	1.414	0.707	0.707	4.950						
Leroy Ladurie	2022-04-19	0	11	1.000	0.500	0.500	3.000	1.414	0.707	0.707	4.243						
Leroy Ladurie	2022-04-19	0	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie	2022-04-19	1	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie	2022-04-19	1	3	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie	2022-04-19	1	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie	2022-04-19	1	5	2.000	1.000	1.000	6.000	NA	NA	NA	NA						
Leroy Ladurie	2022-04-19	1	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie	2022-04-19	1	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
Leroy Ladurie04-19	2022-04-19	1	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie04-19	2022-04-19	1	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie04-19	2022-04-19	1	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie04-19	2022-04-19	1	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie04-19	2022-04-19	1	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie04-19	2022-04-19	1	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie04-19	2022-04-19	1	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Leroy Ladurie04-19	2022-04-19	1	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	2	3	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	2	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	2	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	2	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	2	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	2	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Leroy Ladurie04-19	2022-04-19	2	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
Leroy Ladurie04-19	2022-04-19	2	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Leroy Ladurie04-19	2022-04-19	2	24	0.000	0.000	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA
Leroy Ladurie04-19	2022-04-19	3	4	0.000	0.000	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA
Leroy Ladurie04-19	2022-04-19	3	5	0.000	0.000	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA
Leroy Ladurie04-19	2022-04-19	3	6	0.000	0.000	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA
Leroy Ladurie04-19	2022-04-19	3	7	1.000	1.000	0.000	7.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Leroy Ladurie04-19	2022-04-19	3	8	0.000	0.000	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA
Leroy Ladurie04-19	2022-04-19	3	11	0.000	0.000	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA
Leroy Ladurie04-19	2022-04-19	3	12	0.000	0.000	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA

	Genotype	Date	Order	Rank	No. modules	Exo-branching	Growth rate	Sustaining branching	Vigilant branching	Mutualistic branching	Cross-fertilization	Inhibitory branching	Dormancy branching
Leroy Ladurie04-19	2022-	04-	3	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	3	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	3	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	3	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	3	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	3	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	3	19	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	3	20	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	4	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	4	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	4	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	5	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	5	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	5	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	5	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	5	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	
Leroy Ladurie04-19	2022-	04-	5	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA	

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	base	branching	growth	extinction	branching	length	length
Leroy-Ladurie	2022-04-19	5	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Magnum	2022-04-11	0	1	0.833	0.500	0.333	2.833	0.983	0.548	0.516	3.251						
Magnum	2022-04-11	0	2	1.333	0.833	0.500	3.167	1.211	0.753	0.548	2.563						
Magnum	2022-04-11	0	3	1.167	0.667	0.500	2.500	1.329	0.816	0.548	3.332						
Magnum	2022-04-11	0	4	1.167	0.500	0.667	2.667	1.329	0.548	0.816	3.077						
Magnum	2022-04-11	0	5	1.000	0.600	0.400	2.400	1.000	0.548	0.548	2.191						
Magnum	2022-04-11	0	6	0.250	0.250	0.000	0.750	0.500	0.500	0.000	1.500						
Magnum	2022-04-11	0	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Magnum	2022-04-11	0	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Magnum	2022-04-11	0	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Magnum	2022-04-11	0	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Magnum	2022-04-11	0	11	2.000	1.000	1.000	4.000	NA	NA	NA	NA						
Magnum	2022-04-11	0	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Magnum	2022-04-11	1	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Magnum	2022-04-11	1	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Magnum	2022-04-11	1	7	0.333	0.333	0.000	1.000	0.577	0.577	0.000	1.732						
Magnum	2022-04-11	1	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	seab	branching	growth	esters	branching	length	length
Magnun2	2022-04-11	1	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	1	11	1.000	1.000	0.000	4.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnun2	2022-04-11	1	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnun2	2022-04-11	1	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnun2	2022-04-11	1	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnun2	2022-04-11	2	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	2	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnun2	2022-04-11	2	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnun2	2022-04-11	2	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	2	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	2	17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Magnun2	2022-04-11	3	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnun2	2022-04-11	3	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	seab	branching	growth	ext	branching	length	length
Magnun	2022-04-11	3	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Magnun	2022-04-11	3	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Magnun	2022-04-11	3	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	0	1	0.333	0.167	0.167	0.667	0.816	0.408	0.408	1.633						
Manon	2022-04-05	0	2	0.800	0.400	0.400	1.800	1.095	0.548	0.548	2.490						
Manon	2022-04-05	0	3	0.800	0.400	0.400	2.000	1.095	0.548	0.548	2.828						
Manon	2022-04-05	0	4	0.400	0.200	0.200	0.600	0.894	0.447	0.447	1.342						
Manon	2022-04-05	0	5	2.000	0.750	1.250	4.000	2.828	0.957	1.893	5.228						
Manon	2022-04-05	0	6	0.500	0.250	0.250	1.000	1.000	0.500	0.500	2.000						
Manon	2022-04-05	0	7	0.500	0.250	0.250	1.250	1.000	0.500	0.500	2.500						
Manon	2022-04-05	0	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	0	9	2.000	1.000	1.000	4.000	NA	NA	NA	NA						
Manon	2022-04-05	0	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	1	2	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	1	3	2.000	1.000	1.000	6.000	NA	NA	NA	NA						
Manon	2022-04-05	1	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

Genotype	date	order	rank	no_modules	es_branching	growth	absorption	branching	length	length	leaf	branching	growth	exterior	branching	length	length
Manon	2022-04-05	1	6	0.500	0.500	0.000	1.500	0.707	0.707	0.000	2.121						
Manon	2022-04-05	1	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	1	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	1	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	1	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	1	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	1	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	2	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	2	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	2	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	2	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	2	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	2	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	2	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Manon	2022-04-05	2	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
Manon	2022-04-05	3	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	3	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Manon	2022-04-05	3	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Moutot	2022-04-19	0	1	0.750	0.250	0.500	1.750	1.500	0.500	1.000	3.500						
Moutot	2022-04-19	0	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Moutot	2022-04-19	0	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Moutot	2022-04-19	0	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Moutot	2022-04-19	1	2	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Moutot	2022-04-19	1	3	3.000	1.000	2.000	7.000	NA	NA	NA	NA						
Moutot	2022-04-19	1	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Moutot	2022-04-19	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Moutot	2022-04-19	1	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Moutot	2022-04-19	1	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Moutot	2022-04-19	1	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Moutot	2022-04-19	2	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Moutot	2022-04-19	2	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Moutot	2022-04-19	2	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

Genotype	date	order	rank	no_modules	es_branching	growth	subsi	branching	length	length	seab	branching	growth	subsi	branching	length	length
Moutot2022-04-19	2	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	2	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000							
Moutot2022-04-19	2	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	2	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	2	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	3	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	3	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000							
Moutot2022-04-19	3	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	3	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000							
Moutot2022-04-19	3	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	4	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	5	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	5	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	5	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	5	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA							
Moutot2022-04-19	5	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA							

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	leaf	branching	growth	stomatal	branching	length	length
Moutot	2022-04-19	5	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Moutot	2022-04-19	5	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Osiris	2022-04-11	0	1	1.000	0.500	0.500	2.000	1.549	0.837	0.837	3.347						
Osiris	2022-04-11	0	2	2.000	1.000	1.000	5.667	1.414	0.632	0.894	4.761						
Osiris	2022-04-11	0	3	0.833	0.333	0.500	1.833	1.329	0.516	0.837	2.858						
Osiris	2022-04-11	0	4	2.750	1.500	1.250	7.500	2.062	1.000	1.258	5.260						
Osiris	2022-04-11	0	5	2.000	1.250	0.750	4.500	2.708	1.258	1.500	7.047						
Osiris	2022-04-11	0	6	0.750	0.500	0.250	2.250	0.957	0.577	0.500	2.630						
Osiris	2022-04-11	0	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Osiris	2022-04-11	0	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Osiris	2022-04-11	0	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Osiris	2022-04-11	0	10	2.000	1.000	1.000	5.000	NA	NA	NA	NA						
Osiris	2022-04-11	0	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Osiris	2022-04-11	0	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Osiris	2022-04-11	1	4	1.000	0.500	0.500	3.000	1.414	0.707	0.707	4.243						
Osiris	2022-04-11	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Osiris	2022-04-11	1	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	leaf_area	branching	growth	es_branching	length	length
Osiris	2022-04-11	1	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Osiris	2022-04-11	1	8	0.667	0.333	0.333	1.333	1.155	0.577	0.577	2.309					
Osiris	2022-04-11	1	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Osiris	2022-04-11	1	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Osiris	2022-04-11	1	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	1	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	1	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	1	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	2	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	2	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	2	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	2	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	2	10	0.667	0.333	0.333	1.333	1.155	0.577	0.577	2.309					
Osiris	2022-04-11	2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Osiris	2022-04-11	2	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Osiris	2022-04-11	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Osiris	2022-04-11	2	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Genotype	date	order	rank	no_modules	es_branching	growth	subbranching	branching	length	length	leaf branching	growth	subbranching	branching	length
Osiris	2022-04-11	2	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Osiris	2022-04-11	2	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Osiris	2022-04-11	3	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Osiris	2022-04-11	3	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
Osiris	2022-04-11	3	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
Osiris	2022-04-11	3	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
Osiris	2022-04-11	3	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Osiris	2022-04-11	4	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Osiris	2022-04-11	4	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Osiris	2022-04-11	4	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Rubis	2022-04-19	0	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
Rubis	2022-04-19	0	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
Rubis	2022-04-19	0	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
Rubis	2022-04-19	0	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Rubis	2022-04-19	0	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Rubis	2022-04-19	0	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA				
Rubis	2022-04-19	0	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA				

Genotype	date	order	rank	no_modules	es_branching	growth	subsi	branching	length	length	leaf	branching	growth	subsi	branching	length	length
Rubis	2022-04-19	1	2	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	1	3	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	1	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Rubis	2022-04-19	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Rubis	2022-04-19	1	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	1	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	1	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	3	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Rubis	2022-04-19	2	9	0.500	0.500	0.000	1.000	0.707	0.707	0.000	1.414						
Rubis	2022-04-19	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Rubis	2022-04-19	2	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	no_branching	growth	subordination	branching	length	length	leaf	branching	growth	subordination	branching	length	length
Rubis	2022-04-19	2	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	18	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	19	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	2	20	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	3	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	3	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	3	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	3	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	3	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Rubis	2022-04-19	4	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	4	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	4	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	4	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Rubis	2022-04-19	4	10	2.000	1.000	1.000	9.000	NA	NA	NA	NA						
Rubis	2022-04-19	4	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	Date	order	rank	kno_	modules	ex_	branding	growth	substanc	blending	glycine	bleaching	blue	branching	gross	extensi	branching	bleaching	bleaching
Rubis	2022-04-19	4	12	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	4	13	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	4	14	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	4	15	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	4	16	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	4	17	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	5	12	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	5	13	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	5	14	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	5	15	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	6	16	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	6	17	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	6	18	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	6	19	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	6	20	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	6	21	0.000		0.000		0.000		0.000		NA		NA		NA		NA	
Rubis	2022-04-19	6	22	0.000		0.000		0.000		0.000		NA		NA		NA		NA	

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
Sanié	2022-04-19	0	1	1.667	0.500	1.167	3.500	2.658	0.837	1.835	5.505						
Sanié	2022-04-19	0	2	2.750	0.750	2.000	6.000	1.893	0.500	1.414	4.082						
Sanié	2022-04-19	0	3	1.000	0.333	0.667	2.333	1.732	0.577	1.155	4.041						
Sanié	2022-04-19	0	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	0	5	3.000	1.000	2.000	9.000	NA	NA	NA	NA						
Sanié	2022-04-19	0	6	2.000	1.000	1.000	3.000	NA	NA	NA	NA						
Sanié	2022-04-19	0	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	0	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	1	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	1	3	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	1	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	1	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	1	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	1	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	1	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	1	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	1	10	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	area	branching	growth	extinction	branching	length	length
Sanié	2022-04-19	1	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	1	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	2	3	1.500	0.500	1.000	3.000	2.121	0.707	1.414	4.243						
Sanié	2022-04-19	2	4	2.000	1.000	1.000	5.000	NA	NA	NA	NA						
Sanié	2022-04-19	2	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	2	6	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	2	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	2	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	2	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	2	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	2	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	2	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	3	4	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	3	5	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sanié	2022-04-19	3	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sanié	2022-04-19	3	7	1.000	0.500	0.500	2.000	1.414	0.707	0.707	2.828						

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	leaf_area	branching	growth	stomatal	branching	length	length
Sanié	2022-04-19	3	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sanié	2022-04-19	3	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	3	11	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	3	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sanié	2022-04-19	3	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sanié	2022-04-19	3	14	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	4	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	4	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sanié	2022-04-19	4	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sanié	2022-04-19	4	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	5	12	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	5	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sanié	2022-04-19	5	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sanié	2022-04-19	5	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	6	15	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	6	16	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sanié	2022-04-19	6	17	0.000	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Genotype	date	order	rank	no_modules	es_branching	growth	absorbance	branching	length	length	seab	branching	growth	esters	branching	length	length
Sans ri- vale	2022- 04- 05	0	1	1.333	0.333	1.000	3.000	2.309	0.577	1.732	5.196						
Sans ri- vale	2022- 04- 05	0	2	2.000	0.667	1.333	4.000	2.000	0.577	1.528	4.583						
Sans ri- vale	2022- 04- 05	0	3	2.667	1.000	1.667	6.667	0.577	0.000	0.577	1.528						
Sans ri- vale	2022- 04- 05	0	4	5.667	2.333	3.333	15.667	5.508	2.309	3.215	17.673						
Sans ri- vale	2022- 04- 05	0	5	0.333	0.333	0.000	1.333	0.577	0.577	0.000	2.309						
Sans ri- vale	2022- 04- 05	0	6	1.000	0.333	0.667	1.333	1.732	0.577	1.155	2.309						
Sans ri- vale	2022- 04- 05	0	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sans ri- vale	2022- 04- 05	0	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sans ri- vale	2022- 04- 05	0	9	1.500	1.000	0.500	3.500	0.707	0.000	0.707	3.536						
Sans ri- vale	2022- 04- 05	0	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sans ri- vale	2022- 04- 05	1	7	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sans ri- vale	2022- 04- 05	1	8	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sans ri- vale	2022- 04- 05	1	9	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sans ri- vale	2022- 04- 05	1	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sans ri- vale	2022- 04- 05	1	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000						
Sans ri- vale	2022- 04- 05	1	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						
Sans ri- vale	2022- 04- 05	2	13	0.000	0.000	0.000	0.000	NA	NA	NA	NA						

rank	Genotype	order	branching_type	n	total	prob
1	Osiris	0	vegetative bud	4	6	0.67
1	Rubis	0	branch crown	1	4	0.25
1	Rubis	0	vegetative bud	3	4	0.75
1	Sanié	0	branch crown	4	6	0.67
1	Sanié	0	vegetative bud	2	6	0.33
1	Sans rivale	0	branch crown	1	3	0.33
1	Sans rivale	0	vegetative bud	2	3	0.67
2	Belle_et_Bonne	0	branch crown	2	5	0.40
2	Belle_et_Bonne	0	vegetative bud	3	5	0.60
2	Belrubi	0	branch crown	3	5	0.60
2	Belrubi	0	vegetative bud	2	5	0.40
2	CF10122	0	branch crown	5	6	0.83
2	CF10122	0	vegetative bud	1	6	0.17
2	CF10277	0	branch crown	4	6	0.67
2	CF10277	0	vegetative bud	2	6	0.33
2	CF12074	0	branch crown	6	6	1.00
2	CF9416	0	branch crown	2	5	0.40
2	CF9416	0	stolon	1	5	0.20
2	CF9416	0	vegetative bud	2	5	0.40
2	Ciflorette	0	branch crown	4	5	0.80
2	Ciflorette	0	vegetative bud	1	5	0.20
2	Ciflorette	1	vegetative bud	1	1	1.00
2	Cigaline	0	branch crown	4	4	1.00
2	CIR107	0	branch crown	5	6	0.83
2	CIR107	0	vegetative bud	1	6	0.17
2	Cireine	0	branch crown	3	6	0.50
2	Cireine	0	stolon	1	6	0.17
2	Cireine	0	vegetative bud	2	6	0.33
2	Clery	0	branch crown	2	6	0.33
2	Clery	0	vegetative bud	4	6	0.67
2	Darselect	0	branch crown	3	5	0.60
2	Darselect	0	vegetative bud	2	5	0.40
2	Dream	0	branch crown	3	5	0.60
2	Dream	0	vegetative bud	2	5	0.40
2	gariguette	0	branch crown	1	6	0.17
2	gariguette	0	vegetative bud	5	6	0.83
2	Leroy Ladurie	0	branch crown	2	4	0.50
2	Leroy Ladurie	0	stolon	2	4	0.50
2	Leroy Ladurie	1	branch crown	1	2	0.50
2	Leroy Ladurie	1	vegetative bud	1	2	0.50
2	Magnum	0	branch crown	4	6	0.67
2	Magnum	0	vegetative bud	2	6	0.33
2	Manon	0	branch crown	2	5	0.40
2	Manon	0	vegetative bud	3	5	0.60
2	Manon	1	vegetative bud	1	1	1.00
2	Moutot	0	vegetative bud	3	3	1.00
2	Moutot	1	vegetative bud	1	1	1.00
2	Osiris	0	branch crown	5	6	0.83
2	Osiris	0	vegetative bud	1	6	0.17
2	Rubis	0	branch crown	1	3	0.33
2	Rubis	0	vegetative bud	2	3	0.67
2	Rubis	1	branch crown	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
2	Sanié	0	branch crown	4	4	1.00
2	Sanié	1	branch crown	2	2	1.00
2	Sans rivale	0	branch crown	2	3	0.67
2	Sans rivale	0	vegetative bud	1	3	0.33
3	Belle_et_Bonne	0	branch crown	3	5	0.60
3	Belle_et_Bonne	0	vegetative bud	2	5	0.40
3	Belrubi	0	branch crown	2	5	0.40
3	Belrubi	0	vegetative bud	3	5	0.60
3	CF10122	0	branch crown	3	5	0.60
3	CF10122	0	vegetative bud	2	5	0.40
3	CF10122	1	vegetative bud	1	1	1.00
3	CF10277	0	branch crown	5	6	0.83
3	CF10277	0	vegetative bud	1	6	0.17
3	CF12074	0	branch crown	3	3	1.00
3	CF12074	1	branch crown	3	3	1.00
3	CF9416	0	branch crown	3	5	0.60
3	CF9416	0	stolon	1	5	0.20
3	CF9416	0	vegetative bud	1	5	0.20
3	Ciflorette	0	branch crown	4	5	0.80
3	Ciflorette	0	vegetative bud	1	5	0.20
3	Ciflorette	1	vegetative bud	1	1	1.00
3	Cigaline	0	branch crown	2	2	1.00
3	Cigaline	1	vegetative bud	2	2	1.00
3	CIR107	0	branch crown	4	5	0.80
3	CIR107	0	vegetative bud	1	5	0.20
3	CIR107	1	branch crown	1	1	1.00
3	Cireine	0	branch crown	2	6	0.33
3	Cireine	0	vegetative bud	4	6	0.67
3	Clery	0	branch crown	4	6	0.67
3	Clery	0	vegetative bud	2	6	0.33
3	Darselect	0	branch crown	3	5	0.60
3	Darselect	0	vegetative bud	2	5	0.40
3	Dream	0	branch crown	1	3	0.33
3	Dream	0	vegetative bud	2	3	0.67
3	Dream	1	vegetative bud	2	2	1.00
3	gariguette	0	branch crown	1	6	0.17
3	gariguette	0	vegetative bud	5	6	0.83
3	Leroy Ladurie	0	stolon	4	4	1.00
3	Leroy Ladurie	1	vegetative bud	1	1	1.00
3	Leroy Ladurie	2	branch crown	1	1	1.00
3	Magnum	0	branch crown	3	6	0.50
3	Magnum	0	vegetative bud	3	6	0.50
3	Manon	0	branch crown	2	5	0.40
3	Manon	0	vegetative bud	3	5	0.60
3	Manon	1	branch crown	1	1	1.00
3	Moutot	0	branch crown	2	3	0.67
3	Moutot	0	vegetative bud	1	3	0.33
3	Moutot	1	branch crown	1	1	1.00
3	Osiris	0	branch crown	4	6	0.67
3	Osiris	0	vegetative bud	2	6	0.33
3	Rubis	0	branch crown	1	2	0.50
3	Rubis	0	vegetative bud	1	2	0.50

rank	Genotype	order	branching_type	n	total	prob
3	Rubis	1	vegetative bud	1	1	1.00
3	Rubis	2	branch crown	1	1	1.00
3	Sanié	0	branch crown	2	3	0.67
3	Sanié	0	vegetative bud	1	3	0.33
3	Sanié	1	vegetative bud	1	1	1.00
3	Sanié	2	branch crown	2	2	1.00
3	Sans rivale	0	branch crown	3	3	1.00
4	Belle_et_Bonne	0	branch crown	3	5	0.60
4	Belle_et_Bonne	0	stolon	1	5	0.20
4	Belle_et_Bonne	0	vegetative bud	1	5	0.20
4	Belrubi	0	branch crown	3	4	0.75
4	Belrubi	0	vegetative bud	1	4	0.25
4	Belrubi	1	vegetative bud	1	1	1.00
4	CF10122	0	branch crown	2	4	0.50
4	CF10122	0	vegetative bud	2	4	0.50
4	CF10122	1	vegetative bud	2	2	1.00
4	CF10277	0	branch crown	5	6	0.83
4	CF10277	0	vegetative bud	1	6	0.17
4	CF12074	0	branch crown	2	3	0.67
4	CF12074	0	vegetative bud	1	3	0.33
4	CF12074	1	branch crown	1	1	1.00
4	CF12074	2	stolon	1	2	0.50
4	CF12074	2	vegetative bud	1	2	0.50
4	CF9416	0	branch crown	2	5	0.40
4	CF9416	0	stolon	1	5	0.20
4	CF9416	0	vegetative bud	2	5	0.40
4	Ciflorette	0	branch crown	3	5	0.60
4	Ciflorette	0	vegetative bud	2	5	0.40
4	Ciflorette	1	vegetative bud	1	1	1.00
4	Cigaline	0	branch crown	1	2	0.50
4	Cigaline	0	vegetative bud	1	2	0.50
4	Cigaline	1	branch crown	1	2	0.50
4	Cigaline	1	vegetative bud	1	2	0.50
4	CIR107	0	branch crown	5	5	1.00
4	CIR107	1	vegetative bud	1	1	1.00
4	Cireine	0	branch crown	2	5	0.40
4	Cireine	0	vegetative bud	3	5	0.60
4	Cireine	1	vegetative bud	1	1	1.00
4	Clery	0		1	5	0.20
4	Clery	0	branch crown	4	5	0.80
4	Clery	1	vegetative bud	1	1	1.00
4	Darselect	0	branch crown	3	4	0.75
4	Darselect	0	vegetative bud	1	4	0.25
4	Darselect	1	branch crown	1	1	1.00
4	Dream	0	branch crown	2	3	0.67
4	Dream	0	vegetative bud	1	3	0.33
4	Dream	1	branch crown	2	2	1.00
4	gariguette	0	vegetative bud	6	6	1.00
4	Leroy Ladurie	0	stolon	3	4	0.75
4	Leroy Ladurie	0	vegetative bud	1	4	0.25
4	Leroy Ladurie	1	vegetative bud	1	1	1.00
4	Leroy Ladurie	3	vegetative bud	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
4	Magnum	0	branch crown	4	6	0.67
4	Magnum	0	vegetative bud	2	6	0.33
4	Manon	0	branch crown	2	5	0.40
4	Manon	0	vegetative bud	3	5	0.60
4	Manon	1	vegetative bud	1	1	1.00
4	Moutot	0	branch crown	1	1	1.00
4	Moutot	1	branch crown	1	3	0.33
4	Moutot	1	vegetative bud	2	3	0.67
4	Osiris	0	branch crown	3	4	0.75
4	Osiris	0	vegetative bud	1	4	0.25
4	Osiris	1	branch crown	1	2	0.50
4	Osiris	1	vegetative bud	1	2	0.50
4	Rubis	0	vegetative bud	1	1	1.00
4	Rubis	1	vegetative bud	2	2	1.00
4	Rubis	3	vegetative bud	1	1	1.00
4	Sanié	0	branch crown	1	2	0.50
4	Sanié	0	vegetative bud	1	2	0.50
4	Sanié	1	branch crown	1	2	0.50
4	Sanié	1	vegetative bud	1	2	0.50
4	Sanié	2	branch crown	1	1	1.00
4	Sanié	3	vegetative bud	1	1	1.00
4	Sans rivale	0	branch crown	3	3	1.00
5	Belle_et_Bonne	0	branch crown	1	4	0.25
5	Belle_et_Bonne	0	vegetative bud	3	4	0.75
5	Belle_et_Bonne	1	vegetative bud	1	1	1.00
5	Belrubi	0	branch crown	1	3	0.33
5	Belrubi	0	vegetative bud	2	3	0.67
5	Belrubi	1	vegetative bud	2	2	1.00
5	CF10122	0	branch crown	2	3	0.67
5	CF10122	0	vegetative bud	1	3	0.33
5	CF10122	1	branch crown	1	3	0.33
5	CF10122	1	vegetative bud	2	3	0.67
5	CF10277	0	branch crown	2	5	0.40
5	CF10277	0	vegetative bud	3	5	0.60
5	CF10277	1	vegetative bud	1	1	1.00
5	CF12074	0	branch crown	1	2	0.50
5	CF12074	0	vegetative bud	1	2	0.50
5	CF12074	1	branch crown	1	2	0.50
5	CF12074	1	stolon	1	2	0.50
5	CF12074	2	branch crown	1	2	0.50
5	CF12074	2	vegetative bud	1	2	0.50
5	CF9416	0	branch crown	3	5	0.60
5	CF9416	0	vegetative bud	2	5	0.40
5	Ciflorette	0	branch crown	1	4	0.25
5	Ciflorette	0	vegetative bud	3	4	0.75
5	Ciflorette	1	branch crown	1	2	0.50
5	Ciflorette	1	vegetative bud	1	2	0.50
5	Cigaline	0	vegetative bud	2	2	1.00
5	Cigaline	1	vegetative bud	1	1	1.00
5	Cigaline	2	vegetative bud	1	1	1.00
5	CIR107	0	branch crown	3	3	1.00
5	CIR107	1	vegetative bud	3	3	1.00

rank	Genotype	order	branching_type	n	total	prob
5	Cireine	0	branch crown	1	3	0.33
5	Cireine	0	vegetative bud	2	3	0.67
5	Cireine	1	vegetative bud	3	3	1.00
5	Clery	0	branch crown	3	3	1.00
5	Clery	1	vegetative bud	3	3	1.00
5	Darselect	0	vegetative bud	1	1	1.00
5	Darselect	1	branch crown	2	4	0.50
5	Darselect	1	vegetative bud	2	4	0.50
5	Dream	0	branch crown	1	2	0.50
5	Dream	0	vegetative bud	1	2	0.50
5	Dream	1	branch crown	1	2	0.50
5	Dream	1	vegetative bud	1	2	0.50
5	Dream	2	branch crown	1	1	1.00
5	gariguette	0	vegetative bud	6	6	1.00
5	Leroy Ladurie	0	branch crown	1	4	0.25
5	Leroy Ladurie	0	stolon	2	4	0.50
5	Leroy Ladurie	0	vegetative bud	1	4	0.25
5	Leroy Ladurie	1	branch crown	1	1	1.00
5	Leroy Ladurie	3	vegetative bud	1	1	1.00
5	Magnum	0	branch crown	4	5	0.80
5	Magnum	0	vegetative bud	1	5	0.20
5	Magnum	1	vegetative bud	1	1	1.00
5	Manon	0	branch crown	2	4	0.50
5	Manon	0	vegetative bud	2	4	0.50
5	Manon	1	vegetative bud	2	2	1.00
5	Moutot	1	branch crown	1	3	0.33
5	Moutot	1	vegetative bud	2	3	0.67
5	Moutot	2	vegetative bud	1	1	1.00
5	Osiris	0	branch crown	3	4	0.75
5	Osiris	0	vegetative bud	1	4	0.25
5	Osiris	1	branch crown	1	2	0.50
5	Osiris	1	vegetative bud	1	2	0.50
5	Rubis	0	vegetative bud	1	1	1.00
5	Rubis	1	branch crown	1	2	0.50
5	Rubis	1	vegetative bud	1	2	0.50
5	Rubis	3	branch crown	1	1	1.00
5	Sanié	0	branch crown	1	1	1.00
5	Sanié	1	vegetative bud	2	2	1.00
5	Sanié	2	branch crown	1	2	0.50
5	Sanié	2	vegetative bud	1	2	0.50
5	Sanié	3	vegetative bud	1	1	1.00
5	Sans rivale	0	branch crown	1	3	0.33
5	Sans rivale	0	vegetative bud	2	3	0.67
6	Belle_et_Bonne	0	branch crown	1	3	0.33
6	Belle_et_Bonne	0	vegetative bud	2	3	0.67
6	Belle_et_Bonne	1	branch crown	1	2	0.50
6	Belle_et_Bonne	1	vegetative bud	1	2	0.50
6	Belrubi	0	branch crown	1	2	0.50
6	Belrubi	0	vegetative bud	1	2	0.50
6	Belrubi	1	branch crown	2	3	0.67
6	Belrubi	1	vegetative bud	1	3	0.33
6	CF10122	0	vegetative bud	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
6	CF10122	1	vegetative bud	4	4	1.00
6	CF10122	2	vegetative bud	1	1	1.00
6	CF10277	0	branch crown	3	4	0.75
6	CF10277	0	vegetative bud	1	4	0.25
6	CF10277	1	branch crown	2	2	1.00
6	CF12074	0	branch crown	2	2	1.00
6	CF12074	1	branch crown	2	2	1.00
6	CF12074	2	branch crown	2	2	1.00
6	CF9416	0	branch crown	5	5	1.00
6	Ciflorette	0	branch crown	3	3	1.00
6	Ciflorette	1	-1	1	2	0.50
6	Ciflorette	1	branch crown	1	2	0.50
6	Cigaline	0	branch crown	1	2	0.50
6	Cigaline	0	vegetative bud	1	2	0.50
6	Cigaline	1	branch crown	1	1	1.00
6	Cigaline	2	vegetative bud	1	1	1.00
6	CIR107	0	vegetative bud	1	1	1.00
6	CIR107	1	branch crown	1	5	0.20
6	CIR107	1	vegetative bud	4	5	0.80
6	Cireine	0	branch crown	1	3	0.33
6	Cireine	0	vegetative bud	2	3	0.67
6	Cireine	1	branch crown	2	3	0.67
6	Cireine	1	vegetative bud	1	3	0.33
6	Clery	0	branch crown	1	1	1.00
6	Clery	1	branch crown	1	5	0.20
6	Clery	1	vegetative bud	4	5	0.80
6	Darselect	0	branch crown	1	1	1.00
6	Darselect	1	branch crown	2	2	1.00
6	Darselect	2	vegetative bud	2	2	1.00
6	Dream	0	vegetative bud	1	1	1.00
6	Dream	1	branch crown	2	2	1.00
6	Dream	2	branch crown	1	2	0.50
6	Dream	2	vegetative bud	1	2	0.50
6	gariguette	0	vegetative bud	6	6	1.00
6	Leroy Ladurie	0	branch crown	1	4	0.25
6	Leroy Ladurie	0	vegetative bud	3	4	0.75
6	Leroy Ladurie	1	branch crown	1	1	1.00
6	Leroy Ladurie	3	vegetative bud	1	1	1.00
6	Magnum	0	branch crown	2	4	0.50
6	Magnum	0	vegetative bud	2	4	0.50
6	Magnum	1	vegetative bud	2	2	1.00
6	Manon	0	branch crown	1	4	0.25
6	Manon	0	vegetative bud	3	4	0.75
6	Manon	1	branch crown	1	2	0.50
6	Manon	1	vegetative bud	1	2	0.50
6	Moutot	1	branch crown	1	2	0.50
6	Moutot	1	vegetative bud	1	2	0.50
6	Moutot	2	branch crown	1	2	0.50
6	Moutot	2	vegetative bud	1	2	0.50
6	Osiris	0	branch crown	3	4	0.75
6	Osiris	0	vegetative bud	1	4	0.25
6	Osiris	1	vegetative bud	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
6	Osiris	2	vegetative bud	1	1	1.00
6	Rubis	0	vegetative bud	1	1	1.00
6	Rubis	1	stolon	1	1	1.00
6	Rubis	2	vegetative bud	1	1	1.00
6	Rubis	4	vegetative bud	1	1	1.00
6	Sanié	0	branch crown	1	1	1.00
6	Sanié	1	-1	1	2	0.50
6	Sanié	1	vegetative bud	1	2	0.50
6	Sanié	2	vegetative bud	1	1	1.00
6	Sanié	3	vegetative bud	2	2	1.00
6	Sans rivale	0	branch crown	2	3	0.67
6	Sans rivale	0	vegetative bud	1	3	0.33
7	Belle_et_Bonne	0	branch crown	1	2	0.50
7	Belle_et_Bonne	0	vegetative bud	1	2	0.50
7	Belle_et_Bonne	1	branch crown	1	3	0.33
7	Belle_et_Bonne	1	vegetative bud	2	3	0.67
7	Belrubi	0	vegetative bud	1	1	1.00
7	Belrubi	1	branch crown	1	2	0.50
7	Belrubi	1	vegetative bud	1	2	0.50
7	Belrubi	2	vegetative bud	2	2	1.00
7	CF10122	0	vegetative bud	1	1	1.00
7	CF10122	1	branch crown	3	4	0.75
7	CF10122	1	vegetative bud	1	4	0.25
7	CF10122	2	vegetative bud	1	1	1.00
7	CF10277	0	branch crown	2	3	0.67
7	CF10277	0	vegetative bud	1	3	0.33
7	CF10277	1	branch crown	2	3	0.67
7	CF10277	1	vegetative bud	1	3	0.33
7	CF12074	0	branch crown	1	1	1.00
7	CF12074	1	branch crown	1	3	0.33
7	CF12074	1	vegetative bud	2	3	0.67
7	CF12074	2	branch crown	1	2	0.50
7	CF12074	2	vegetative bud	1	2	0.50
7	CF9416	0	branch crown	2	3	0.67
7	CF9416	0	vegetative bud	1	3	0.33
7	CF9416	1	vegetative bud	2	2	1.00
7	Ciflorette	1	branch crown	2	4	0.50
7	Ciflorette	1	vegetative bud	2	4	0.50
7	Ciflorette	2	vegetative bud	1	1	1.00
7	Cigaline	0	branch crown	1	2	0.50
7	Cigaline	0	vegetative bud	1	2	0.50
7	Cigaline	1	branch crown	1	1	1.00
7	Cigaline	2	branch crown	1	1	1.00
7	CIR107	0	branch crown	1	1	1.00
7	CIR107	1	branch crown	2	4	0.50
7	CIR107	1	vegetative bud	2	4	0.50
7	CIR107	2	vegetative bud	1	1	1.00
7	Cireine	0	branch crown	2	2	1.00
7	Cireine	1	branch crown	1	2	0.50
7	Cireine	1	vegetative bud	1	2	0.50
7	Cireine	2	vegetative bud	2	2	1.00
7	Clery	0	vegetative bud	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
7	Clery	1	branch crown	1	4	0.25
7	Clery	1	vegetative bud	3	4	0.75
7	Clery	2	vegetative bud	1	1	1.00
7	Darselect	0	branch crown	1	1	1.00
7	Darselect	2	vegetative bud	4	4	1.00
7	Dream	0	vegetative bud	1	1	1.00
7	Dream	2	branch crown	1	3	0.33
7	Dream	2	vegetative bud	2	3	0.67
7	Dream	3	vegetative bud	1	1	1.00
7	gariguette	0	branch crown	2	6	0.33
7	gariguette	0	vegetative bud	4	6	0.67
7	Leroy Ladurie	0	branch crown	1	4	0.25
7	Leroy Ladurie	0	vegetative bud	3	4	0.75
7	Leroy Ladurie	2	vegetative bud	1	1	1.00
7	Leroy Ladurie	3	branch crown	1	1	1.00
7	Magnum	0	branch crown	2	3	0.67
7	Magnum	0	vegetative bud	1	3	0.33
7	Magnum	1	branch crown	1	3	0.33
7	Magnum	1	vegetative bud	2	3	0.67
7	Manon	0	branch crown	2	4	0.50
7	Manon	0	vegetative bud	2	4	0.50
7	Manon	1	branch crown	1	2	0.50
7	Manon	1	vegetative bud	1	2	0.50
7	Moutot	1	vegetative bud	1	1	1.00
7	Moutot	2	branch crown	1	2	0.50
7	Moutot	2	vegetative bud	1	2	0.50
7	Moutot	3	vegetative bud	1	1	1.00
7	Osiris	0	branch crown	1	3	0.33
7	Osiris	0	vegetative bud	2	3	0.67
7	Osiris	1	vegetative bud	2	2	1.00
7	Osiris	2	vegetative bud	1	1	1.00
7	Rubis	0	branch crown	1	1	1.00
7	Rubis	1	branch crown	1	1	1.00
7	Rubis	2	vegetative bud	1	1	1.00
7	Rubis	4	vegetative bud	1	1	1.00
7	Sanié	0	vegetative bud	1	1	1.00
7	Sanié	1	branch crown	1	2	0.50
7	Sanié	1	vegetative bud	1	2	0.50
7	Sanié	2	vegetative bud	1	1	1.00
7	Sanié	3	branch crown	1	2	0.50
7	Sanié	3	vegetative bud	1	2	0.50
7	Sans rivale	0	vegetative bud	2	2	1.00
7	Sans rivale	1	vegetative bud	1	1	1.00
8	Belle_et_Bonne	0	branch crown	1	1	1.00
8	Belle_et_Bonne	1	branch crown	1	3	0.33
8	Belle_et_Bonne	1	vegetative bud	2	3	0.67
8	Belle_et_Bonne	2	vegetative bud	1	1	1.00
8	Belrubi	0	vegetative bud	1	1	1.00
8	Belrubi	1	branch crown	2	2	1.00
8	Belrubi	2	-1	1	2	0.50
8	Belrubi	2	vegetative bud	1	2	0.50
8	CF10122	0	branch crown	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
8	CF10122	1	branch crown	1	1	1.00
8	CF10122	2	branch crown	1	4	0.25
8	CF10122	2	vegetative bud	3	4	0.75
8	CF10277	0	branch crown	3	3	1.00
8	CF10277	1	branch crown	1	1	1.00
8	CF10277	2	vegetative bud	2	2	1.00
8	CF12074	1	branch crown	1	4	0.25
8	CF12074	1	vegetative bud	3	4	0.75
8	CF12074	2	vegetative bud	1	1	1.00
8	CF12074	3	vegetative bud	1	1	1.00
8	CF9416	0	vegetative bud	1	1	1.00
8	CF9416	1	vegetative bud	4	4	1.00
8	Ciflorette	1	branch crown	2	3	0.67
8	Ciflorette	1	vegetative bud	1	3	0.33
8	Ciflorette	2	vegetative bud	2	2	1.00
8	Cigaline	0	vegetative bud	1	1	1.00
8	Cigaline	1	vegetative bud	1	1	1.00
8	Cigaline	2	vegetative bud	1	1	1.00
8	Cigaline	3	vegetative bud	1	1	1.00
8	CIR107	0	branch crown	1	1	1.00
8	CIR107	1	branch crown	1	3	0.33
8	CIR107	1	vegetative bud	2	3	0.67
8	CIR107	2	vegetative bud	2	2	1.00
8	Cireine	0	branch crown	1	1	1.00
8	Cireine	1	vegetative bud	3	3	1.00
8	Cireine	2	branch crown	2	2	1.00
8	Clery	0	vegetative bud	1	1	1.00
8	Clery	1	branch crown	3	3	1.00
8	Clery	2	branch crown	1	2	0.50
8	Clery	2	vegetative bud	1	2	0.50
8	Darselect	1	vegetative bud	1	1	1.00
8	Darselect	2	branch crown	2	4	0.50
8	Darselect	2	vegetative bud	2	4	0.50
8	Dream	0	branch crown	1	1	1.00
8	Dream	2	branch crown	1	2	0.50
8	Dream	2	vegetative bud	1	2	0.50
8	Dream	3	vegetative bud	2	2	1.00
8	gariguette	0	branch crown	3	6	0.50
8	gariguette	0	vegetative bud	3	6	0.50
8	Leroy Ladurie	0	branch crown	1	3	0.33
8	Leroy Ladurie	0	vegetative bud	2	3	0.67
8	Leroy Ladurie	1	vegetative bud	1	1	1.00
8	Leroy Ladurie	2	stolon	1	1	1.00
8	Leroy Ladurie	3	branch crown	1	1	1.00
8	Magnum	0	vegetative bud	1	1	1.00
8	Magnum	1	branch crown	2	5	0.40
8	Magnum	1	vegetative bud	3	5	0.60
8	Manon	0	branch crown	2	3	0.67
8	Manon	0	vegetative bud	1	3	0.33
8	Manon	1	-1	1	2	0.50
8	Manon	1	vegetative bud	1	2	0.50
8	Manon	2	vegetative bud	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
8	Moutot	1	branch crown	1	1	1.00
8	Moutot	2	vegetative bud	1	1	1.00
8	Moutot	3	branch crown	1	2	0.50
8	Moutot	3	vegetative bud	1	2	0.50
8	Osiris	0	branch crown	1	2	0.50
8	Osiris	0	vegetative bud	1	2	0.50
8	Osiris	1	branch crown	1	3	0.33
8	Osiris	1	vegetative bud	2	3	0.67
8	Osiris	2	vegetative bud	1	1	1.00
8	Rubis	1	branch crown	1	1	1.00
8	Rubis	2	branch crown	1	2	0.50
8	Rubis	2	vegetative bud	1	2	0.50
8	Rubis	4	vegetative bud	1	1	1.00
8	Sanié	0	branch crown	1	1	1.00
8	Sanié	1	branch crown	1	1	1.00
8	Sanié	2	vegetative bud	1	1	1.00
8	Sanié	3	branch crown	1	2	0.50
8	Sanié	3	vegetative bud	1	2	0.50
8	Sans rivale	0	vegetative bud	2	2	1.00
8	Sans rivale	1	vegetative bud	1	1	1.00
9	Belle_et_Bonne	0	branch crown	1	1	1.00
9	Belle_et_Bonne	1	branch crown	1	2	0.50
9	Belle_et_Bonne	1	vegetative bud	1	2	0.50
9	Belle_et_Bonne	2	vegetative bud	2	2	1.00
9	Belrubi	0	branch crown	1	1	1.00
9	Belrubi	2	vegetative bud	3	3	1.00
9	CF10122	1	vegetative bud	1	1	1.00
9	CF10122	2	vegetative bud	4	4	1.00
9	CF10122	3	vegetative bud	1	1	1.00
9	CF10277	0	branch crown	1	1	1.00
9	CF10277	1	vegetative bud	2	2	1.00
9	CF10277	2	branch crown	1	3	0.33
9	CF10277	2	vegetative bud	2	3	0.67
9	CF12074	1	branch crown	2	3	0.67
9	CF12074	1	vegetative bud	1	3	0.33
9	CF12074	2	branch crown	1	2	0.50
9	CF12074	2	vegetative bud	1	2	0.50
9	CF12074	3	vegetative bud	1	1	1.00
9	CF9416	0	vegetative bud	1	1	1.00
9	CF9416	1	branch crown	2	4	0.50
9	CF9416	1	vegetative bud	2	4	0.50
9	Ciflorette	1	branch crown	1	2	0.50
9	Ciflorette	1	vegetative bud	1	2	0.50
9	Ciflorette	2		1	3	0.33
9	Ciflorette	2	vegetative bud	2	3	0.67
9	Cigaline	0	branch crown	1	1	1.00
9	Cigaline	1	vegetative bud	1	1	1.00
9	Cigaline	2	branch crown	1	1	1.00
9	Cigaline	3	vegetative bud	1	1	1.00
9	CIR107	1	vegetative bud	3	3	1.00
9	CIR107	2	vegetative bud	3	3	1.00
9	Cireine	1	branch crown	1	4	0.25

rank	Genotype	order	branching_type	n	total	prob
9	Cireine	1	vegetative bud	3	4	0.75
9	Cireine	3	vegetative bud	2	2	1.00
9	Clery	0	vegetative bud	1	1	1.00
9	Clery	1	branch crown	1	1	1.00
9	Clery	2	vegetative bud	3	3	1.00
9	Clery	3	vegetative bud	1	1	1.00
9	Darselect	1	branch crown	1	1	1.00
9	Darselect	2	-1	1	2	0.50
9	Darselect	2	branch crown	1	2	0.50
9	Darselect	3	vegetative bud	2	2	1.00
9	Dream	0	vegetative bud	1	1	1.00
9	Dream	2	branch crown	1	1	1.00
9	Dream	3	vegetative bud	3	3	1.00
9	gariguette	0	branch crown	3	5	0.60
9	gariguette	0	vegetative bud	2	5	0.40
9	gariguette	1	vegetative bud	1	1	1.00
9	Leroy Ladurie	0	branch crown	2	3	0.67
9	Leroy Ladurie	0	vegetative bud	1	3	0.33
9	Leroy Ladurie	1	vegetative bud	1	1	1.00
9	Leroy Ladurie	2	stolon	1	1	1.00
9	Leroy Ladurie	4	vegetative bud	1	1	1.00
9	Magnum	0	vegetative bud	1	1	1.00
9	Magnum	1	vegetative bud	3	3	1.00
9	Magnum	2	vegetative bud	2	2	1.00
9	Manon	0	branch crown	1	1	1.00
9	Manon	1	vegetative bud	3	3	1.00
9	Manon	2	vegetative bud	1	1	1.00
9	Moutot	2	branch crown	1	2	0.50
9	Moutot	2	vegetative bud	1	2	0.50
9	Moutot	3	vegetative bud	1	1	1.00
9	Moutot	4	branch crown	1	1	1.00
9	Osiris	0	vegetative bud	1	1	1.00
9	Osiris	1	branch crown	2	4	0.50
9	Osiris	1	vegetative bud	2	4	0.50
9	Osiris	2	vegetative bud	1	1	1.00
9	Rubis	2	branch crown	1	2	0.50
9	Rubis	2	vegetative bud	1	2	0.50
9	Rubis	3	vegetative bud	1	1	1.00
9	Rubis	4	vegetative bud	1	1	1.00
9	Sanié	1	vegetative bud	1	1	1.00
9	Sanié	2	-1	1	2	0.50
9	Sanié	2	vegetative bud	1	2	0.50
9	Sanié	3	branch crown	1	1	1.00
9	Sanié	4	vegetative bud	1	1	1.00
9	Sans rivale	0	branch crown	2	2	1.00
9	Sans rivale	1	-1	1	1	1.00
10	Belle_et_Bonne	1	vegetative bud	2	2	1.00
10	Belle_et_Bonne	2	branch crown	1	3	0.33
10	Belle_et_Bonne	2	vegetative bud	2	3	0.67
10	Belrubi	0	branch crown	1	1	1.00
10	Belrubi	2	aborted/dried bud	1	2	0.50
10	Belrubi	2	vegetative bud	1	2	0.50

rank	Genotype	order	branching_type	n	total	prob
10	CF10122	1	branch crown	1	1	1.00
10	CF10122	2	branch crown	1	4	0.25
10	CF10122	2	vegetative bud	3	4	0.75
10	CF10122	3	vegetative bud	1	1	1.00
10	CF10277	1	branch crown	2	3	0.67
10	CF10277	1	vegetative bud	1	3	0.33
10	CF10277	2	vegetative bud	2	2	1.00
10	CF10277	3	vegetative bud	1	1	1.00
10	CF12074	1	branch crown	1	1	1.00
10	CF12074	2	branch crown	2	4	0.50
10	CF12074	2	vegetative bud	2	4	0.50
10	CF9416	0	vegetative bud	1	1	1.00
10	CF9416	1	branch crown	1	2	0.50
10	CF9416	1	vegetative bud	1	2	0.50
10	CF9416	2	vegetative bud	2	2	1.00
10	Ciflorette	2		1	4	0.25
10	Ciflorette	2	vegetative bud	3	4	0.75
10	Cigaline	0	branch crown	1	1	1.00
10	Cigaline	1	branch crown	1	1	1.00
10	Cigaline	3	vegetative bud	2	2	1.00
10	CIR107	1	branch crown	1	3	0.33
10	CIR107	1	vegetative bud	2	3	0.67
10	CIR107	2	branch crown	2	3	0.67
10	CIR107	2	vegetative bud	1	3	0.33
10	Cireine	1	branch crown	2	3	0.67
10	Cireine	1	vegetative bud	1	3	0.33
10	Cireine	2	vegetative bud	1	1	1.00
10	Cireine	3	vegetative bud	2	2	1.00
10	Clery	0	branch crown	1	1	1.00
10	Clery	2	branch crown	2	4	0.50
10	Clery	2	vegetative bud	2	4	0.50
10	Clery	3	vegetative bud	1	1	1.00
10	Darselect	1	branch crown	1	1	1.00
10	Darselect	3	-1	1	3	0.33
10	Darselect	3	branch crown	1	3	0.33
10	Darselect	3	vegetative bud	1	3	0.33
10	Dream	3	branch crown	1	4	0.25
10	Dream	3	vegetative bud	3	4	0.75
10	gariguette	0	branch crown	1	3	0.33
10	gariguette	0	vegetative bud	2	3	0.67
10	gariguette	1	branch crown	1	3	0.33
10	gariguette	1	vegetative bud	2	3	0.67
10	Leroy Ladurie	0	branch crown	1	2	0.50
10	Leroy Ladurie	0	vegetative bud	1	2	0.50
10	Leroy Ladurie	1	stolon	1	2	0.50
10	Leroy Ladurie	1	vegetative bud	1	2	0.50
10	Leroy Ladurie	2	branch crown	1	1	1.00
10	Leroy Ladurie	4	vegetative bud	1	1	1.00
10	Magnum	0	vegetative bud	1	1	1.00
10	Magnum	1	branch crown	1	2	0.50
10	Magnum	1	vegetative bud	1	2	0.50
10	Magnum	2	branch crown	1	2	0.50

rank	Genotype	order	branching_type	n	total	prob
10	Magnum	2	vegetative bud	1	2	0.50
10	Manon	0	branch crown	1	1	1.00
10	Manon	1	branch crown	1	3	0.33
10	Manon	1	vegetative bud	2	3	0.67
10	Manon	2	vegetative bud	1	1	1.00
10	Moutot	2	vegetative bud	1	1	1.00
10	Moutot	3	-1	1	2	0.50
10	Moutot	3	vegetative bud	1	2	0.50
10	Moutot	5	vegetative bud	1	1	1.00
10	Osiris	0	branch crown	1	1	1.00
10	Osiris	1	-1	1	2	0.50
10	Osiris	1	vegetative bud	1	2	0.50
10	Osiris	2	branch crown	1	3	0.33
10	Osiris	2	vegetative bud	2	3	0.67
10	Rubis	2	branch crown	1	2	0.50
10	Rubis	2	vegetative bud	1	2	0.50
10	Rubis	3	vegetative bud	1	1	1.00
10	Rubis	4	branch crown	1	1	1.00
10	Sanié	1	vegetative bud	1	1	1.00
10	Sanié	2	branch crown	1	2	0.50
10	Sanié	2	vegetative bud	1	2	0.50
10	Sanié	4	vegetative bud	2	2	1.00
10	Sans rivale	0	branch crown	2	2	1.00
11	Belle_et_Bonne	1	branch crown	2	2	1.00
11	Belle_et_Bonne	2	branch crown	1	2	0.50
11	Belle_et_Bonne	2	vegetative bud	1	2	0.50
11	Belle_et_Bonne	3	vegetative bud	1	1	1.00
11	Belrubi	1	vegetative bud	1	1	1.00
11	Belrubi	2	branch crown	1	1	1.00
11	CF10122	2	branch crown	1	4	0.25
11	CF10122	2	vegetative bud	3	4	0.75
11	CF10122	3	vegetative bud	1	1	1.00
11	CF10277	1	branch crown	1	1	1.00
11	CF10277	2	vegetative bud	3	3	1.00
11	CF10277	3	-1	1	1	1.00
11	CF12074	1	branch crown	1	1	1.00
11	CF12074	2	vegetative bud	2	2	1.00
11	CF12074	3	vegetative bud	2	2	1.00
11	CF9416	0	vegetative bud	1	1	1.00
11	CF9416	1	branch crown	1	1	1.00
11	CF9416	2	branch crown	2	3	0.67
11	CF9416	2	vegetative bud	1	3	0.33
11	Ciflorette	2	-1	1	4	0.25
11	Ciflorette	2	branch crown	1	4	0.25
11	Ciflorette	2	vegetative bud	2	4	0.50
11	Cigaline	1	vegetative bud	1	1	1.00
11	Cigaline	2	vegetative bud	1	1	1.00
11	Cigaline	3	vegetative bud	1	1	1.00
11	CIR107	1	branch crown	2	2	1.00
11	CIR107	2	vegetative bud	2	2	1.00
11	CIR107	3	branch crown	1	2	0.50
11	CIR107	3	vegetative bud	1	2	0.50

rank	Genotype	order	branching_type	n	total	prob
11	Cireine	1	vegetative bud	1	1	1.00
11	Cireine	2	vegetative bud	3	3	1.00
11	Cireine	3	vegetative bud	1	1	1.00
11	Clery	1	branch crown	1	1	1.00
11	Clery	2	branch crown	1	3	0.33
11	Clery	2	vegetative bud	2	3	0.67
11	Clery	3	vegetative bud	2	2	1.00
11	Darselect	2	vegetative bud	1	1	1.00
11	Darselect	4	vegetative bud	1	1	1.00
11	Dream	3	branch crown	2	3	0.67
11	Dream	3	vegetative bud	1	3	0.33
11	Dream	4	vegetative bud	1	1	1.00
11	gariguette	0	branch crown	2	3	0.67
11	gariguette	0	vegetative bud	1	3	0.33
11	gariguette	1	branch crown	2	2	1.00
11	gariguette	2	vegetative bud	1	1	1.00
11	Leroy Ladurie	0	branch crown	2	2	1.00
11	Leroy Ladurie	1	branch crown	1	2	0.50
11	Leroy Ladurie	1	stolon	1	2	0.50
11	Leroy Ladurie	3	vegetative bud	1	1	1.00
11	Leroy Ladurie	4	branch crown	1	1	1.00
11	Magnum	0	branch crown	1	1	1.00
11	Magnum	1	branch crown	1	1	1.00
11	Magnum	2	vegetative bud	2	2	1.00
11	Magnum	3	vegetative bud	1	1	1.00
11	Manon	1	vegetative bud	2	2	1.00
11	Manon	2	branch crown	1	2	0.50
11	Manon	2	vegetative bud	1	2	0.50
11	Moutot	2	vegetative bud	1	1	1.00
11	Moutot	3	vegetative bud	1	1	1.00
11	Moutot	5	vegetative bud	1	1	1.00
11	Osiris	0	vegetative bud	1	1	1.00
11	Osiris	1	branch crown	1	1	1.00
11	Osiris	2	branch crown	1	3	0.33
11	Osiris	2	vegetative bud	2	3	0.67
11	Rubis	2	vegetative bud	1	1	1.00
11	Rubis	3	branch crown	1	2	0.50
11	Rubis	3	vegetative bud	1	2	0.50
11	Rubis	4	branch crown	1	1	1.00
11	Sanié	1	vegetative bud	1	1	1.00
11	Sanié	2	branch crown	1	1	1.00
11	Sanié	3	vegetative bud	1	1	1.00
11	Sanié	4	branch crown	1	2	0.50
11	Sanié	4	vegetative bud	1	2	0.50
11	Sans rivale	1	vegetative bud	2	2	1.00
12	Belle_et_Bonne	1	vegetative bud	1	1	1.00
12	Belle_et_Bonne	2	branch crown	2	2	1.00
12	Belle_et_Bonne	3	stolon	1	2	0.50
12	Belle_et_Bonne	3	vegetative bud	1	2	0.50
12	Belrubi	1	branch crown	1	1	1.00
12	Belrubi	3	vegetative bud	1	1	1.00
12	CF10122	2	branch crown	1	2	0.50

rank	Genotype	order	branching_type	n	total	prob
12	CF10122	2	vegetative bud	1	2	0.50
12	CF10122	3	vegetative bud	1	1	1.00
12	CF10277	2	vegetative bud	3	3	1.00
12	CF12074	2	branch crown	1	3	0.33
12	CF12074	2	vegetative bud	2	3	0.67
12	CF12074	3	branch crown	1	2	0.50
12	CF12074	3	vegetative bud	1	2	0.50
12	CF9416	0	branch crown	1	1	1.00
12	CF9416	1	branch crown	1	1	1.00
12	CF9416	2	vegetative bud	1	1	1.00
12	CF9416	3	vegetative bud	2	2	1.00
12	Ciflorette	2	vegetative bud	1	1	1.00
12	Ciflorette	3		1	1	1.00
12	Cigaline	1	vegetative bud	1	1	1.00
12	Cigaline	2	-1	1	1	1.00
12	Cigaline	3	-1	1	1	1.00
12	CIR107	1	branch crown	1	1	1.00
12	CIR107	2	vegetative bud	2	2	1.00
12	CIR107	3	vegetative bud	1	1	1.00
12	CIR107	4	vegetative bud	1	1	1.00
12	Cireine	1	branch crown	1	1	1.00
12	Cireine	2	branch crown	2	3	0.67
12	Cireine	2	vegetative bud	1	3	0.33
12	Clery	2	-1	1	2	0.50
12	Clery	2	vegetative bud	1	2	0.50
12	Clery	3	branch crown	1	3	0.33
12	Clery	3	vegetative bud	2	3	0.67
12	Darselect	2	vegetative bud	1	1	1.00
12	Darselect	4	vegetative bud	1	1	1.00
12	Dream	3	branch crown	1	2	0.50
12	Dream	3	vegetative bud	1	2	0.50
12	Dream	4	vegetative bud	2	2	1.00
12	gariguette	0	branch crown	3	3	1.00
12	gariguette	2	-1	1	3	0.33
12	gariguette	2	vegetative bud	2	3	0.67
12	Leroy Ladurie	0	branch crown	1	1	1.00
12	Leroy Ladurie	1	vegetative bud	2	2	1.00
12	Leroy Ladurie	2	stolon	1	1	1.00
12	Leroy Ladurie	3	vegetative bud	1	1	1.00
12	Leroy Ladurie	5	stolon	1	1	1.00
12	Magnum	0	branch crown	1	1	1.00
12	Magnum	1	branch crown	1	1	1.00
12	Magnum	2	-1	1	2	0.50
12	Magnum	2	vegetative bud	1	2	0.50
12	Magnum	3	vegetative bud	1	1	1.00
12	Manon	1	branch crown	1	2	0.50
12	Manon	1	vegetative bud	1	2	0.50
12	Manon	2	vegetative bud	1	1	1.00
12	Manon	3	vegetative bud	1	1	1.00
12	Moutot	2	vegetative bud	1	1	1.00
12	Moutot	5	vegetative bud	1	1	1.00
12	Osiris	0	branch crown	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
12	Osiris	2	branch crown	2	3	0.67
12	Osiris	2	vegetative bud	1	3	0.33
12	Osiris	3	vegetative bud	1	1	1.00
12	Rubis	2	vegetative bud	1	1	1.00
12	Rubis	4	vegetative bud	1	1	1.00
12	Rubis	5	vegetative bud	1	1	1.00
12	Sanié	1	branch crown	1	1	1.00
12	Sanié	3	vegetative bud	2	2	1.00
12	Sanié	4	branch crown	1	1	1.00
12	Sanié	5	vegetative bud	1	1	1.00
12	Sans rivale	1	branch crown	1	2	0.50
12	Sans rivale	1	vegetative bud	1	2	0.50
13	Belle_et_Bonne	1	branch crown	1	1	1.00
13	Belle_et_Bonne	2	vegetative bud	1	1	1.00
13	Belle_et_Bonne	3	vegetative bud	3	3	1.00
13	Belrubi	2	vegetative bud	1	1	1.00
13	Belrubi	3	vegetative bud	1	1	1.00
13	CF10122	3	vegetative bud	1	1	1.00
13	CF10277	2	branch crown	1	3	0.33
13	CF10277	2	vegetative bud	2	3	0.67
13	CF12074	2	branch crown	2	3	0.67
13	CF12074	2	vegetative bud	1	3	0.33
13	CF12074	3	branch crown	1	1	1.00
13	CF12074	4	vegetative bud	1	1	1.00
13	CF9416	1	vegetative bud	1	1	1.00
13	CF9416	2	vegetative bud	2	2	1.00
13	CF9416	3	branch crown	1	2	0.50
13	CF9416	3	vegetative bud	1	2	0.50
13	Ciflorette	3		1	1	1.00
13	Cigaline	1	vegetative bud	1	1	1.00
13	CIR107	2	vegetative bud	3	3	1.00
13	CIR107	3	vegetative bud	1	1	1.00
13	CIR107	4	vegetative bud	1	1	1.00
13	Cireine	2	vegetative bud	2	2	1.00
13	Cireine	3	vegetative bud	2	2	1.00
13	Clery	2	branch crown	1	1	1.00
13	Clery	3	vegetative bud	2	2	1.00
13	Clery	4	vegetative bud	1	1	1.00
13	Darselect	4	vegetative bud	1	1	1.00
13	Dream	4	branch crown	1	2	0.50
13	Dream	4	vegetative bud	1	2	0.50
13	gariguette	0	branch crown	2	2	1.00
13	gariguette	1	vegetative bud	1	1	1.00
13	gariguette	2	-1	1	2	0.50
13	gariguette	2	vegetative bud	1	2	0.50
13	Leroy Ladurie	1	branch crown	1	3	0.33
13	Leroy Ladurie	1	vegetative bud	2	3	0.67
13	Leroy Ladurie	2	vegetative bud	1	1	1.00
13	Leroy Ladurie	3	stolon	1	1	1.00
13	Leroy Ladurie	5	stolon	1	1	1.00
13	Magnum	1	vegetative bud	1	1	1.00
13	Magnum	2	vegetative bud	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
13	Magnum	3	vegetative bud	1	1	1.00
13	Manon	1	branch crown	1	1	1.00
13	Manon	2	vegetative bud	2	2	1.00
13	Manon	3	vegetative bud	1	1	1.00
13	Moutot	2	vegetative bud	1	1	1.00
13	Moutot	5	vegetative bud	1	1	1.00
13	Osiris	1	vegetative bud	1	1	1.00
13	Osiris	2	vegetative bud	1	1	1.00
13	Osiris	3	vegetative bud	3	3	1.00
13	Rubis	2	stolon	1	1	1.00
13	Rubis	4	vegetative bud	1	1	1.00
13	Rubis	5	vegetative bud	1	1	1.00
13	Sanié	2	vegetative bud	1	1	1.00
13	Sanié	3	-1	1	2	0.50
13	Sanié	3	vegetative bud	1	2	0.50
13	Sanié	5	vegetative bud	2	2	1.00
13	Sans rivale	1	branch crown	1	1	1.00
13	Sans rivale	2	vegetative bud	1	1	1.00
14	Belle_et_Bonne	2	vegetative bud	2	2	1.00
14	Belle_et_Bonne	3	vegetative bud	3	3	1.00
14	Belrubi	2	vegetative bud	1	1	1.00
14	CF10277	2	-1	1	2	0.50
14	CF10277	2	vegetative bud	1	2	0.50
14	CF10277	3	vegetative bud	1	1	1.00
14	CF12074	3	vegetative bud	2	2	1.00
14	CF12074	4	vegetative bud	2	2	1.00
14	CF9416	1	branch crown	1	1	1.00
14	CF9416	2	-1	1	2	0.50
14	CF9416	2	vegetative bud	1	2	0.50
14	CF9416	4	vegetative bud	1	1	1.00
14	Ciflorette	3	vegetative bud	1	1	1.00
14	Cigaline	1	branch crown	1	1	1.00
14	CIR107	2	branch crown	2	3	0.67
14	CIR107	2	vegetative bud	1	3	0.33
14	CIR107	4	vegetative bud	1	1	1.00
14	Cireine	2	vegetative bud	2	2	1.00
14	Cireine	3	vegetative bud	2	2	1.00
14	Clery	3	-1	2	3	0.67
14	Clery	3	vegetative bud	1	3	0.33
14	Clery	4	vegetative bud	1	1	1.00
14	Darselect	4	vegetative bud	1	1	1.00
14	Dream	4	branch crown	2	2	1.00
14	gariguette	0	vegetative bud	1	1	1.00
14	gariguette	1	branch crown	1	2	0.50
14	gariguette	1	vegetative bud	1	2	0.50
14	gariguette	2	vegetative bud	1	1	1.00
14	Leroy Ladurie	1	vegetative bud	2	2	1.00
14	Leroy Ladurie	2	vegetative bud	2	2	1.00
14	Leroy Ladurie	3	stolon	1	1	1.00
14	Leroy Ladurie	5	stolon	1	1	1.00
14	Magnum	1	branch crown	1	1	1.00
14	Magnum	2	vegetative bud	1	1	1.00

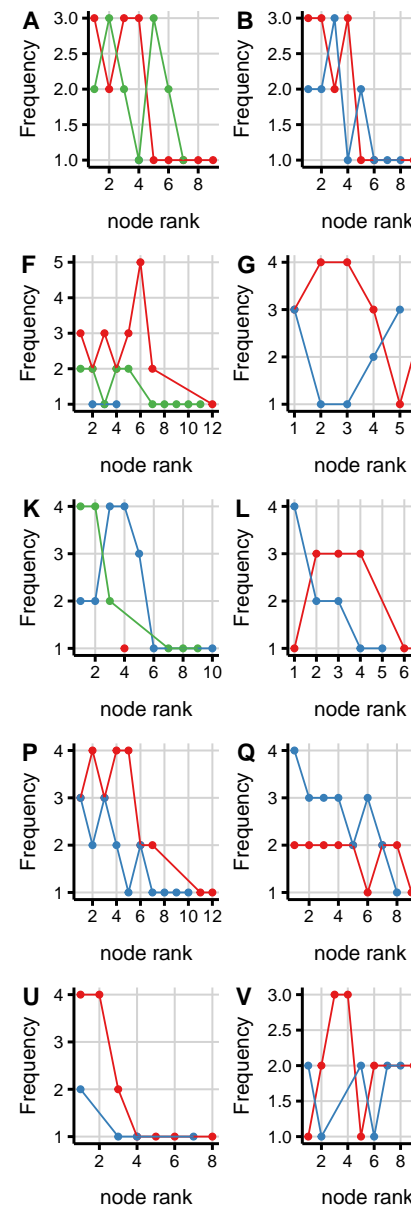
rank	Genotype	order	branching_type	n	total	prob
14	Magnum	3	vegetative bud	1	1	1.00
14	Manon	2	-1	1	3	0.33
14	Manon	2	vegetative bud	2	3	0.67
14	Manon	3	-1	1	1	1.00
14	Moutot	5	vegetative bud	1	1	1.00
14	Osiris	1	vegetative bud	1	1	1.00
14	Osiris	3	branch crown	1	3	0.33
14	Osiris	3	vegetative bud	2	3	0.67
14	Rubis	2	vegetative bud	1	1	1.00
14	Rubis	4	-1	1	1	1.00
14	Rubis	5	vegetative bud	1	1	1.00
14	Sanié	2	vegetative bud	1	1	1.00
14	Sanié	3	vegetative bud	1	1	1.00
14	Sanié	5	branch crown	1	2	0.50
14	Sanié	5	vegetative bud	1	2	0.50
14	Sans rivale	2	vegetative bud	2	2	1.00
15	Belle_et_Bonne	2	vegetative bud	2	2	1.00
15	Belle_et_Bonne	3	vegetative bud	3	3	1.00
15	Belrubi	2	branch crown	1	1	1.00
15	CF10277	3	vegetative bud	1	1	1.00
15	CF12074	3	vegetative bud	2	2	1.00
15	CF12074	4	branch crown	1	2	0.50
15	CF12074	4	vegetative bud	1	2	0.50
15	CF9416	2	branch crown	1	2	0.50
15	CF9416	2	vegetative bud	1	2	0.50
15	CF9416	4	vegetative bud	1	1	1.00
15	Cigaline	2	vegetative bud	1	1	1.00
15	CIR107	2	branch crown	1	1	1.00
15	CIR107	3	vegetative bud	2	2	1.00
15	Cireine	2	stolon	1	1	1.00
15	Cireine	3	vegetative bud	2	2	1.00
15	Clery	3	vegetative bud	1	1	1.00
15	Clery	4	vegetative bud	1	1	1.00
15	Dream	5	vegetative bud	2	2	1.00
15	gariguette	1	vegetative bud	1	1	1.00
15	gariguette	2	branch crown	1	2	0.50
15	gariguette	2	vegetative bud	1	2	0.50
15	Leroy Ladurie	1	stolon	1	2	0.50
15	Leroy Ladurie	1	vegetative bud	1	2	0.50
15	Leroy Ladurie	2	vegetative bud	2	2	1.00
15	Leroy Ladurie	3	vegetative bud	1	1	1.00
15	Leroy Ladurie	5	vegetative bud	1	1	1.00
15	Magnum	2	vegetative bud	2	2	1.00
15	Magnum	3	vegetative bud	1	1	1.00
15	Manon	2	vegetative bud	2	2	1.00
15	Moutot	5	vegetative bud	1	1	1.00
15	Osiris	1	branch crown	1	1	1.00
15	Osiris	3	vegetative bud	2	2	1.00
15	Osiris	4	vegetative bud	1	1	1.00
15	Rubis	2	vegetative bud	1	1	1.00
15	Rubis	4	stolon	1	1	1.00
15	Rubis	5	branch crown	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
15	Sanié	5	vegetative bud	1	1	1.00
15	Sanié	6	vegetative bud	1	1	1.00
15	Sans rivale	2	branch crown	1	2	0.50
15	Sans rivale	2	vegetative bud	1	2	0.50
16	Belle_et_Bonne	2	branch crown	1	2	0.50
16	Belle_et_Bonne	2	vegetative bud	1	2	0.50
16	Belle_et_Bonne	3	vegetative bud	1	1	1.00
16	Belrubi	3	vegetative bud	1	1	1.00
16	CF10277	3	-1	1	1	1.00
16	CF12074	3	vegetative bud	1	1	1.00
16	CF12074	4	-1	1	1	1.00
16	CF12074	5	vegetative bud	1	1	1.00
16	CF9416	2	branch crown	1	2	0.50
16	CF9416	2	vegetative bud	1	2	0.50
16	CF9416	4	vegetative bud	1	1	1.00
16	Cigaline	2	vegetative bud	1	1	1.00
16	CIR107	2	branch crown	1	1	1.00
16	CIR107	3	vegetative bud	1	1	1.00
16	Cireine	2	vegetative bud	1	1	1.00
16	Cireine	3	vegetative bud	2	2	1.00
16	Clery	3	-1	1	1	1.00
16	Clery	4	vegetative bud	1	1	1.00
16	Dream	5	vegetative bud	2	2	1.00
16	gariguette	1	branch crown	1	1	1.00
16	gariguette	2	vegetative bud	2	2	1.00
16	Leroy Ladurie	1	-1	1	2	0.50
16	Leroy Ladurie	1	branch crown	1	2	0.50
16	Leroy Ladurie	2	vegetative bud	2	2	1.00
16	Leroy Ladurie	3	vegetative bud	1	1	1.00
16	Leroy Ladurie	5	vegetative bud	1	1	1.00
16	Magnum	2	vegetative bud	2	2	1.00
16	Manon	2	vegetative bud	2	2	1.00
16	Moutot	5	vegetative bud	1	1	1.00
16	Osiris	2	vegetative bud	1	1	1.00
16	Osiris	3	vegetative bud	1	1	1.00
16	Osiris	4	vegetative bud	1	1	1.00
16	Rubis	2	vegetative bud	1	1	1.00
16	Rubis	4	vegetative bud	1	1	1.00
16	Rubis	6	vegetative bud	1	1	1.00
16	Sanié	6	vegetative bud	1	1	1.00
16	Sans rivale	3	vegetative bud	1	1	1.00
17	Belle_et_Bonne	2	-1	1	1	1.00
17	Belle_et_Bonne	3	vegetative bud	1	1	1.00
17	Belrubi	3	vegetative bud	1	1	1.00
17	CF12074	3	vegetative bud	1	1	1.00
17	CF12074	5	vegetative bud	1	1	1.00
17	CF9416	2	vegetative bud	1	1	1.00
17	CF9416	3	vegetative bud	1	1	1.00
17	Cigaline	2	vegetative bud	1	1	1.00
17	CIR107	3	-1	1	2	0.50
17	CIR107	3	vegetative bud	1	2	0.50
17	Cireine	2	vegetative bud	1	1	1.00

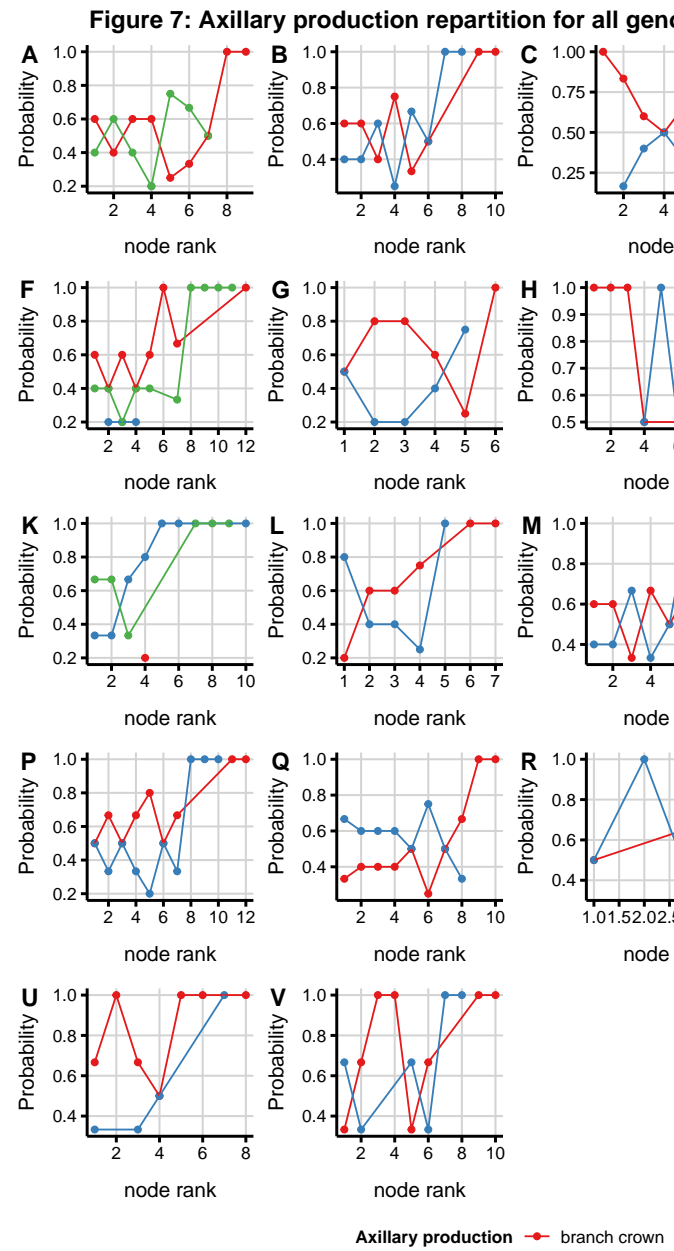
rank	Genotype	order	branching_type	n	total	prob
17	Cireine	3	vegetative bud	1	1	1.00
17	Dream	5	branch crown	1	1	1.00
17	gariguette	2	-1	1	2	0.50
17	gariguette	2	vegetative bud	1	2	0.50
17	Leroy Ladurie	1	branch crown	1	1	1.00
17	Leroy Ladurie	2	vegetative bud	3	3	1.00
17	Leroy Ladurie	3	vegetative bud	1	1	1.00
17	Leroy Ladurie	5	vegetative bud	1	1	1.00
17	Magnum	2	vegetative bud	2	2	1.00
17	Osiris	2	vegetative bud	1	1	1.00
17	Osiris	4	vegetative bud	1	1	1.00
17	Rubis	2	vegetative bud	1	1	1.00
17	Rubis	4	vegetative bud	1	1	1.00
17	Rubis	6	vegetative bud	1	1	1.00
17	Sanié	6	vegetative bud	1	1	1.00
17	Sans rivale	3	-1	1	1	1.00
18	Belle_et_Bonne	2	vegetative bud	1	1	1.00
18	Belle_et_Bonne	3	vegetative bud	1	1	1.00
18	Belrubi	3	vegetative bud	1	1	1.00
18	CF12074	5	vegetative bud	1	1	1.00
18	CF9416	2	-1	1	1	1.00
18	CF9416	3	vegetative bud	1	1	1.00
18	CIR107	3	vegetative bud	1	1	1.00
18	Cireine	2	vegetative bud	1	1	1.00
18	Dream	6	vegetative bud	1	1	1.00
18	gariguette	2	vegetative bud	1	1	1.00
18	Leroy Ladurie	2	stolon	1	3	0.33
18	Leroy Ladurie	2	vegetative bud	2	3	0.67
18	Leroy Ladurie	3	vegetative bud	1	1	1.00
18	Leroy Ladurie	5	vegetative bud	1	1	1.00
18	Osiris	2	vegetative bud	1	1	1.00
18	Rubis	2	vegetative bud	1	1	1.00
18	Rubis	6	vegetative bud	1	1	1.00
19	Belle_et_Bonne	2	vegetative bud	1	1	1.00
19	Belle_et_Bonne	3	vegetative bud	1	1	1.00
19	CF12074	5	vegetative bud	1	1	1.00
19	CF9416	3	vegetative bud	1	1	1.00
19	CIR107	3	vegetative bud	1	1	1.00
19	Cireine	2	vegetative bud	1	1	1.00
19	gariguette	2	-1	1	1	1.00
19	Leroy Ladurie	2	stolon	1	3	0.33
19	Leroy Ladurie	2	vegetative bud	2	3	0.67
19	Leroy Ladurie	3	vegetative bud	1	1	1.00
19	Rubis	2	vegetative bud	1	1	1.00
19	Rubis	6	vegetative bud	1	1	1.00
20	Belle_et_Bonne	2	vegetative bud	1	1	1.00
20	Belle_et_Bonne	3	vegetative bud	1	1	1.00
20	Cireine	2	vegetative bud	1	1	1.00
20	Leroy Ladurie	2	vegetative bud	2	2	1.00
20	Leroy Ladurie	3	vegetative bud	1	1	1.00
20	Rubis	2	vegetative bud	1	1	1.00
20	Rubis	6	vegetative bud	1	1	1.00

rank	Genotype	order	branching_type	n	total	prob
21	Belle_et_Bonne	2	vegetative bud	1	1	1.00
21	Cireine	2	vegetative bud	1	1	1.00
21	Leroy Ladurie	2	stolon	1	2	0.50
21	Leroy Ladurie	2	vegetative bud	1	2	0.50
21	Rubis	6	vegetative bud	1	1	1.00
22	Belle_et_Bonne	2	vegetative bud	1	1	1.00
22	Cireine	2	vegetative bud	1	1	1.00
22	Leroy Ladurie	2	vegetative bud	2	2	1.00
22	Rubis	6	vegetative bud	1	1	1.00
23	Belle_et_Bonne	2	vegetative bud	1	1	1.00
23	Leroy Ladurie	2	vegetative bud	2	2	1.00
24	Leroy Ladurie	2	vegetative bud	1	1	1.00

Figure 6: Axillary production



3.3.2.2 Figure 6 : Axillary production plot according to rank node frequency



3.3.2.3 Figure 7: Relative frequency axillary production