

**Supplementary Material.** Genetic values of coffee trees productivity (bags·ha<sup>-1</sup>) under evaluation in the municipalities of Alegre, Espírito Santo, Brazil at 700 m altitude and Cachoeiro de Itapemirim, Espírito Santo, Brazil at 140 m altitude.

Genetic values for both locations		
Order	Genotype	Genotypic Value
1	T3	74.3811
2	28	73.4726
3	69	71.3615
4	100	69.1485
5	107	68.7928
6	106	64.8066
7	26	63.5710
8	101	60.8280
9	4	60.6754
10	T2	59.8206
11	34	59.4799
12	T4	59.1950
13	105	59.1715
14	78	57.4900
15	30	57.0448
16	75	55.9801
17	104	54.9929
18	44	54.6306
19	T5	54.2609
20	7	53.9274
21	82	53.5956
22	31	53.5692
23	54	52.8810
24	56	52.4809
25	20	52.0526
26	21	50.9187
27	19	50.0568
28	T1	49.5950
29	96	48.9602
30	63	48.7750
31	99	48.4515
32	10	48.1618
33	62	47.6253
34	11	47.2836
35	85	47.2426
36	46	47.0159
37	27	46.6811
38	24	45.8510
39	93	45.6631
40	81	44.6293
41	67	44.5457
42	47	44.4622
43	48	44.3083
44	25	44.2088
45	5	43.6782
46	72	43.5035
47	16	43.4986
48	66	43.3884
49	51	43.1636

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50	97	42.9917
51	87	42.9019
52	18	42.7249
53	94	42.7234
54	59	42.4516
55	92	42.3208
56	86	42.0482
57	83	41.8835
58	23	41.7206
59	9	41.3623
60	109	41.1009
61	70	40.5395
62	98	39.8694
63	84	39.4327
64	79	38.1151
65	65	38.0076
66	71	37.6899
67	88	37.6436
68	41	37.6370
69	6	37.4433
70	111	36.9815
71	76	36.9328
72	13	36.5214
73	103	36.4627
74	36	36.3913
75	45	35.9158
76	3	35.6720
77	17	35.3339
78	112	35.3265
79	40	35.2200
80	95	34.9841
81	90	34.7725
82	15	34.7526
83	89	34.6555
84	108	34.4455
85	8	34.3055
86	102	33.9358
87	12	33.9052
88	55	33.8383
89	2	33.2637
90	57	33.0476
91	39	32.9459
92	91	32.8343
93	73	32.7168
94	14	32.3261
95	110	32.2963
96	68	32.0941
97	52	31.4109
98	22	31.2329
99	32	30.8315
100	50	30.7730
101	1	30.5439
102	42	29.1346
103	29	28.8741
104	35	28.8151
105	53	28.5300
106	37	28.0320
107	43	27.5814

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108	80	27.4651
109	49	26.4727
110	33	25.1742
111	38	24.5882
112	T6	23.8523
113	T7	20.5229
114	T8	18.4859
Genetic values for Alegre - ES		
Order	Genotype	Genotypic Value
1	28	72.8416
2	T3	71.9974
3	69	68.9396
4	107	66.3506
5	106	64.5061
6	26	62.5589
7	105	59.7168
8	T4	59.4872
9	34	59.2348
10	4	58.6230
11	101	57.1380
12	44	54.8621
13	75	54.4877
14	T2	54.0574
15	7	54.0291
16	54	53.7025
17	30	53.5586
18	104	53.3986
19	78	53.2262
20	T5	51.6811
21	20	51.2452
22	82	50.9842
23	31	50.3185
24	21	49.6180
25	56	49.1077
26	19	47.9977
27	62	47.2821
28	63	46.9352
29	T1	46.8185
30	96	46.6887
31	99	46.5553
32	10	45.8298
33	11	45.5804
34	85	45.1891
35	24	44.2177
36	46	44.1503
37	27	43.3842
38	72	42.8715
39	47	42.7726
40	25	42.3876
41	66	42.2598
42	93	42.2587
43	16	41.9493
44	67	41.9122
45	5	41.7868
46	18	41.7120
47	48	41.4163
48	23	41.4075
49	81	41.1674

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50	97	41.0352
51	86	40.5131
52	87	40.4036
53	94	40.2337
54	109	39.7767
55	92	39.6385
56	70	39.6361
57	51	39.5969
58	59	39.2256
59	9	38.7471
60	83	38.0092
61	84	37.6663
62	71	36.9491
63	98	36.2612
64	79	36.2350
65	76	35.8524
66	65	35.4892
67	103	35.3849
68	111	34.9370
69	41	34.9357
70	6	34.7365
71	88	34.2044
72	13	34.0079
73	17	33.8252
74	45	33.7779
75	95	33.6558
76	112	33.5264
77	40	32.9944
78	90	32.8015
79	3	32.6778
80	15	32.2181
81	108	31.8944
82	55	31.8389
83	89	31.5152
84	12	31.2362
85	73	31.2260
86	8	31.1828
87	91	30.5507
88	39	30.4908
89	102	30.3916
90	57	30.2433
91	68	30.0729
92	110	29.2953
93	22	29.0151
94	14	28.9464
95	32	28.4960
96	52	28.2259
97	50	27.5700
98	1	27.0047
99	42	26.5458
100	43	25.7958
101	37	25.4226
102	29	25.2022
103	53	24.8956
104	80	23.5254
105	49	23.4905
106	33	22.2160
107	38	21.4733

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108	T7	18.0764
109	T8	16.8881
Genetic values for Cachoeiro de Itapemirim - ES		
Order	Genotype	Genotypic Value
1	T3	80.4386
2	28	77.6727
3	69	77.1093
4	100	74.4280
5	107	74.2650
6	106	67.6778
7	T2	67.5802
8	26	67.0115
9	101	66.6304
10	4	64.8226
11	78	63.4816
12	30	62.2075
13	34	61.6820
14	T4	60.8271
15	105	60.5477
16	75	59.0264
17	T5	58.1966
18	31	58.0962
19	104	58.0274
20	82	57.4862
21	56	57.0050
22	44	55.7974
23	7	55.1431
24	20	53.9616
25	54	53.2564
26	21	53.1902
27	T1	53.1899
28	19	52.9874
29	96	51.9768
30	63	51.3387
31	10	51.1470
32	99	51.0342
33	27	50.4605
34	46	50.4027
35	85	49.8434
36	11	49.5388
37	93	49.4328
38	62	48.5598
39	81	48.3374
40	24	47.8713
41	67	47.4157
42	48	47.4096
43	51	46.8078
44	47	46.3787
45	25	46.2278
46	5	45.7062
47	83	45.6878
48	59	45.6730
49	87	45.4475
50	94	45.2396
51	16	45.1640
52	97	45.0059
53	92	44.9834
54	66	44.6203

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55	72	44.2520
56	9	43.8474
57	18	43.7646
58	86	43.5322
59	98	43.1755
60	109	42.2650
61	23	41.9447
62	70	41.2179
63	84	40.8467
64	88	40.5244
65	65	40.0095
66	41	39.7789
67	6	39.5684
68	79	39.4909
69	111	38.3912
70	13	38.3472
71	36	37.8970
72	71	37.8774
73	76	37.3727
74	45	37.2962
75	89	36.8931
76	103	36.8459
77	40	36.6078
78	102	36.4943
79	8	36.4851
80	15	36.3954
81	112	36.3012
82	108	36.0696
83	17	36.0180
84	90	35.8543
85	12	35.5849
86	95	35.4475
87	55	34.8408
88	57	34.7638
89	2	34.4091
90	39	34.3013
91	110	34.1227
92	91	34.0052
93	52	33.3194
94	73	33.0815
95	68	32.9173
96	1	32.7067
97	50	32.6260
98	22	32.1536
99	32	31.8236
100	29	30.9772
101	53	30.5560
102	42	30.1845
103	35	29.4480
104	37	28.9755
105	43	27.6493
106	49	27.6095
107	33	26.1372
108	38	25.6404
109	T6	23.9135
110	T7	20.4385
111	T8	17.3180

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