

SUPPLEMENTARY MATERIAL

Supplementary Table 1 Mean value of the variables content of palmitic acid (C16:0), palmitoleic acid (C16:1), stearic acid (C18:0), oleic acid (C18:1), linoleic acid (C18:2), linolenic acid (C18: 3), saturated fatty acid (SFA), monounsaturated fatty acid (MUFA), polyunsaturated fatty acid (PUFA), color parameters L*, a*, b*, chroma, hue and carotenoid content of 50 macauba accessions

Accessions	Pop	Fatty acids (%)									Color parameters					Carotenoids (µg/g)
		C16:0	C16:1	C18:0	C18:1	C18:2	C18:3	AGS	AGMI	AGPI	L*	a*	b*	Chroma	Hue	
BGP4	3	19.25	1.93	4.90	62.63	10.36	0.93	24.15	64.57	11.28	41.78	13.09	28.18	31.07	65.09	193.45
BGP6	3	21.82	5.64	1.12	56.23	14.10	1.10	22.93	61.87	15.20	44.71	20.59	34.60	40.36	60.02	227.40
BGP7	3	17.08	2.98	2.02	62.25	14.75	0.92	19.11	65.23	15.66	52.08	20.92	44.97	49.98	65.41	165.57
BGP8	3	17.98	6.30	0.94	60.65	13.14	0.99	18.92	66.95	14.13	45.14	20.72	33.71	40.35	55.55	191.07
BGP9	3	24.36	7.65	0.97	49.96	15.76	1.30	25.33	57.61	17.06	47.37	23.33	36.62	43.73	56.82	228.78
BGP12	3	17.46	5.60	0.46	66.16	9.66	0.66	17.92	71.76	10.32	49.42	9.40	39.59	41.31	72.86	53.14
BGP14	3	17.83	2.15	2.09	55.37	21.48	1.07	19.92	57.52	22.56	39.20	27.01	25.90	37.42	43.80	233.05
BGP15	3	25.23	6.04	1.27	51.16	15.42	0.89	26.49	57.20	16.31	42.71	11.26	28.35	30.99	67.63	130.86
BGP20	3	14.88	3.58	0.86	70.57	9.31	0.79	15.74	74.15	10.11	55.75	8.38	49.30	50.53	75.91	46.57
BGP26	3	14.36	2.04	2.59	66.59	13.40	1.02	16.95	68.63	14.43	59.95	13.36	57.01	58.81	75.86	65.53
BGP33	3	24.81	5.04	1.77	54.65	12.89	0.83	26.58	59.69	13.72	46.27	16.08	34.27	38.16	64.04	165.47
BGP35	1	13.72	1.08	6.10	66.32	11.99	0.78	19.83	67.40	12.78	56.41	22.08	51.02	55.60	66.63	192.30
BGP36	3	21.07	5.39	1.24	58.29	13.20	0.81	22.30	63.69	14.01	42.34	18.25	29.22	35.18	53.27	211.20
BGP37	3	19.91	10.06	0.48	55.19	13.26	1.10	20.40	65.24	14.36	46.85	13.36	36.42	39.08	66.45	95.70
BGP38	3	22.76	3.58	2.87	56.46	13.46	0.86	25.63	60.04	14.33	41.95	13.88	28.97	32.56	63.89	131.21
BGP43	3	27.15	7.47	1.28	52.17	11.06	0.88	28.43	59.64	11.94	48.26	14.01	38.33	40.95	68.06	178.93
BGP47	1	14.57	2.60	0.88	75.15	5.86	0.94	15.45	77.75	6.80	36.74	21.70	19.97	29.55	42.44	157.72
BGP48	3	17.95	3.20	2.00	63.63	12.40	0.82	19.95	66.83	13.22	47.98	22.61	38.51	45.05	57.93	216.91

BGP50	3	6.44	0.98	1.06	80.34	10.22	0.95	7.51	81.32	11.18	61.19	9.31	59.13	59.93	80.68	40.45
BGP52	3	19.88	2.99	2.81	64.54	8.90	0.88	22.69	67.52	9.78	46.38	17.20	35.87	40.32	61.49	123.21
BGP53	3	26.33	6.59	1.33	49.84	14.62	1.18	27.66	56.43	15.79	54.42	22.16	47.78	52.69	65.26	209.36
BGP64	3	16.68	2.92	1.02	63.33	15.20	0.84	17.70	66.25	16.05	54.73	12.37	46.91	49.18	69.11	71.18
BGP65	3	19.36	5.13	1.08	59.24	13.97	1.21	20.44	64.38	15.18	43.47	17.15	30.72	36.39	55.41	262.43
BGP67	3	16.84	3.72	0.78	54.31	23.37	0.97	17.62	58.03	24.34	65.02	16.90	64.92	67.08	75.41	106.66
BGP69	3	21.38	3.89	1.59	54.72	17.52	0.90	22.98	58.60	18.42	38.47	8.23	30.37	31.84	72.50	53.43
BGP70	3	27.81	6.50	1.52	47.88	15.40	0.89	29.33	54.38	16.29	47.84	9.62	36.19	37.85	73.11	104.78
BGP74	3	15.85	3.51	1.12	63.39	15.28	0.85	16.97	66.90	16.13	56.53	12.33	50.52	52.63	74.23	70.22
BGP75	3	19.94	4.09	1.62	60.73	12.91	0.72	21.56	64.81	13.63	40.22	17.46	25.43	30.86	56.23	207.30
BGP80	3	9.99	1.48	1.27	75.96	10.52	0.77	11.27	77.44	11.29	48.75	3.84	36.16	36.92	71.56	46.15
BGP81	3	21.19	4.18	1.91	58.25	13.68	0.80	23.09	62.43	14.48	41.09	13.97	25.71	29.86	57.93	172.17
BGP82	2	19.33	4.21	1.52	59.46	14.38	1.10	20.85	63.67	15.48	34.85	9.73	16.17	19.13	58.07	209.34
BGP83	3	30.79	5.16	1.90	45.09	16.05	1.01	32.69	50.25	17.06	46.49	13.70	34.05	36.73	68.06	165.85
BGP88	3	12.60	3.35	0.41	67.08	15.37	1.18	13.02	70.43	16.55	51.63	18.64	43.53	48.03	65.14	93.50
BGP92	1	15.15	1.79	1.73	67.49	11.25	1.38	16.88	69.28	12.63	43.79	38.62	32.34	50.42	39.81	762.67
BGP94	1	0.78	10.45	5.29	81.07	1.02	1.38	6.07	91.53	2.41	45.62	37.33	33.20	49.96	41.65	538.15
BGP99	2	15.75	1.63	3.15	69.81	8.60	0.78	18.90	71.44	9.37	36.26	4.69	19.64	20.34	74.85	56.29
BGP100	1	14.96	1.94	3.48	73.20	4.88	1.10	18.44	75.14	5.98	45.35	32.13	33.00	46.62	44.62	658.15
BGP101	1	19.77	1.08	1.42	54.58	20.38	1.63	21.19	55.67	22.01	37.75	32.15	20.72	38.26	32.57	962.52
BGP102	1	10.77	1.42	0.55	80.75	4.63	1.06	11.32	82.16	5.70	41.36	29.67	26.04	39.90	38.63	496.86
BGP104	1	17.59	3.41	1.00	63.91	11.75	1.11	18.59	67.32	12.86	40.07	29.54	24.25	38.34	39.71	779.10
BGP105	1	13.24	0.44	1.17	67.29	15.80	2.05	14.41	67.73	17.86	46.11	36.19	32.94	48.94	42.31	686.67
BGP106	1	13.42	0.93	2.13	78.93	3.38	0.90	15.55	79.86	4.27	53.61	23.25	47.47	52.93	64.58	172.36
BGP114	1	13.31	4.43	0.00	65.20	15.53	1.52	13.31	69.64	17.06	47.21	35.33	38.06	51.93	47.13	444.27
BGP119	1	3.27	10.50	2.76	71.29	10.86	1.14	6.03	81.79	12.00	47.18	30.06	37.11	48.39	49.99	314.72
BGP120	1	6.20	9.01	3.52	75.85	4.48	0.94	9.72	84.86	5.42	47.36	38.10	36.88	53.24	43.63	585.65
BGP132	3	28.11	12.36	0.65	49.29	8.67	0.92	28.76	61.66	9.58	38.92	7.77	21.29	23.02	65.68	151.27

BGP133	2	16.62	2.28	1.83	65.87	12.50	0.89	18.45	68.16	13.39	42.61	4.37	28.00	28.52	78.91	47.63
BGP134	3	19.54	1.65	1.77	57.55	18.14	1.35	21.31	59.20	19.49	36.25	9.69	19.23	22.04	60.85	117.96
BGP136	3	23.30	2.96	1.95	50.30	19.86	1.62	25.25	53.26	21.49	40.57	10.87	24.17	27.09	65.70	108.94
BGP137	3	12.35	0.69	1.13	73.44	11.35	1.04	13.48	74.14	12.38	45.39	14.48	35.44	38.99	65.30	42.32

Supplementary Table 2 Mean value of the variables oil content, transversal diameter (TD), longitudinal diameter (LD), dry mass (DM) of fruit, husk, pulp, shell and kernel of 50 macaúba accessions

Accessions	Pop	Oil content	Fruit biometrics						
			TD	LD	Fruit DM	Husk DM	Pulp DM	Endosperm DM	Kernel DM
BGP4	3	53.58	4.47	4.73	26.34	5.43	9.00	10.01	1.90
BGP6	3	46.83	4.01	4.24	21.40	4.46	8.53	7.18	1.23
BGP7	3	53.95	4.43	4.49	24.68	5.21	10.91	7.57	1.53
BGP8	3	48.22	4.83	4.96	30.50	7.27	11.24	9.95	2.04
BGP9	3	35.42	4.39	4.41	26.17	6.56	8.96	9.25	1.40
BGP12	3	50.76	4.76	4.83	32.29	6.72	12.71	10.95	1.90
BGP14	3	63.96	4.21	4.50	18.40	3.70	5.53	7.63	1.53
BGP15	3	51.05	4.30	4.32	24.36	5.01	9.43	8.38	1.53
BGP20	3	50.73	4.39	4.70	28.57	5.90	12.10	9.04	1.52
BGP26	3	55.88	4.64	4.74	29.92	7.48	12.33	8.57	1.54
BGP33	3	50.76	4.11	4.10	22.24	5.06	7.37	7.87	1.94
BGP35	1	60.81	4.43	4.51	27.02	6.77	9.25	9.30	1.70
BGP36	3	54.37	4.42	4.45	26.93	6.07	10.83	8.51	1.51
BGP37	3	54.82	4.97	5.19	39.33	9.46	16.94	11.04	1.89
BGP38	3	54.32	4.24	4.34	25.77	6.00	9.81	8.24	1.71
BGP43	3	40.25	4.96	5.05	35.66	6.06	16.81	11.02	1.77
BGP47	1	42.29	3.67	3.99	16.18	3.21	6.51	5.38	1.08
BGP48	3	49.61	4.40	4.35	25.88	6.17	8.74	9.31	1.66
BGP50	3	58.76	4.12	4.41	23.58	5.23	9.57	7.29	1.49
BGP52	3	47.70	4.39	4.16	25.12	4.98	8.71	9.18	2.25
BGP53	3	37.30	4.44	4.44	22.94	4.86	8.42	7.96	1.71
BGP64	3	64.69	4.88	4.83	35.90	7.19	15.93	10.51	2.28
BGP65	3	45.69	4.30	4.21	24.61	4.81	8.77	9.27	1.76
BGP67	3	63.24	4.96	4.84	33.20	6.27	11.77	12.43	2.73
BGP69	3	52.79	4.69	4.69	31.09	6.63	10.82	11.01	2.64
BGP70	3	44.54	4.56	4.53	26.87	5.26	10.73	9.10	2.08
BGP74	3	57.55	4.23	4.40	21.86	5.10	7.79	7.58	1.39
BGP75	3	52.66	4.04	3.77	18.15	3.98	5.52	6.93	1.72
BGP80	3	56.63	4.52	4.48	27.05	7.38	10.13	7.98	1.55
BGP81	3	57.36	4.21	4.24	23.58	4.58	8.50	8.38	2.13
BGP82	2	34.20	4.10	4.07	19.79	4.25	6.69	7.20	1.65
BGP83	3	45.68	4.10	4.15	22.58	5.07	8.17	7.43	1.92
BGP88	3	46.61	4.62	4.58	26.41	6.40	10.13	8.24	1.63
BGP92	1	24.93	3.36	3.36	10.29	2.07	2.87	4.47	0.87
BGP94	1	17.21	3.66	3.80	16.23	2.90	5.93	5.97	1.43
BGP99	2	38.27	4.96	5.25	36.12	7.57	16.57	9.77	2.22
BGP100	1	25.49	3.71	3.78	16.35	2.47	5.20	7.07	1.62
BGP101	1	20.62	3.47	4.07	13.24	2.89	5.14	4.49	0.72
BGP102	1	26.45	3.56	3.78	13.08	2.48	5.28	4.28	1.04

BGP104	1	22.15	3.54	3.94	13.41	2.34	4.66	5.41	1.00
BGP105	1	18.41	4.04	4.20	18.88	3.08	6.80	7.36	1.64
BGP106	1	27.28	3.09	2.92	9.79	1.44	3.69	3.60	1.06
BGP114	1	25.59	3.35	3.54	10.63	2.35	3.45	4.07	0.77
BGP119	1	26.23	3.56	3.38	13.58	2.30	4.86	5.20	1.22
BGP120	1	28.82	3.60	3.93	15.33	2.75	5.87	5.53	1.18
BGP132	3	43.20	4.40	4.40	25.69	5.58	10.36	8.24	1.51
BGP133	2	38.00	4.83	4.72	31.53	6.87	13.39	9.01	2.27
BGP134	3	34.01	4.13	3.83	21.47	5.17	5.86	8.83	1.61
BGP136	3	31.52	4.13	3.94	23.14	5.44	7.70	8.62	1.37
BGP137	3	55.32	4.54	4.77	27.77	5.83	12.26	8.29	1.38
