

Table 1 Details of 33 genotypes of *Morinda citrifolia* L. and their phytochemical contents (mg/100 g fresh weight)

S. No.	Genotypes	Collection site*	Phytochemicals						Anti-nutrients				
			Polyphenol	Flavonoid	Tannin	Anthocyanin	Carotenoid	Ascorbic acid	Antioxidant Activity (%)	Nitrate	Phytate	Oxalate	Saponin
1.	ABF-1	Bambooflat-1	294.5	237.6	240.4	303.9	458.8	91.2	57.97	60.1	726.0	67.1	225
2.	ABF-2	Bambooflat-2	297.4	153.9	260.6	326.5	427.6	88.2	57.93	65.2	797.2	50.9	210
3.	ABH-1	Bahai House	295.3	181.5	280.2	277.9	435.4	90.3	55.08	70.1	953.8	49.1	305
4.	AHD-1	Haddo	296.9	126.4	282.7	290.9	678.8	91.4	52.85	70.7	754.5	51.3	265
5.	BRJ-19	Brijgunj	241.6	230.3	203.4	189.3	528.9	73.0	73.6	50.9	740.2	57.2	310
6.	CAL-10	Calicut	240.1	464.6	225.9	257.0	586.3	79.1	57.97	56.5	740.2	60.3	370
7.	CHLD-17	Chouldari	202.1	271.4	214.5	225.8	381.3	84.0	79.22	53.6	270.5	49.1	435
8.	CHTAP-13	Chidiyatapu	365.9	47.8	380.4	269.2	361.6	86.0	65.23	95.1	968.0	62.6	390
9.	FF-8	Memeo	190.4	221.4	150.6	244.0	316.8	84.2	52.03	37.7	669.1	57.2	215
10.	FRG-14	Ferrargunj	241.0	215.7	204.1	232.7	253.9	75.0	88.65	51.0	441.3	50.9	205
11.	GAH-1	Garacharma	298.5	374.2	220.2	246.6	301.5	98.2	49.21	55.1	882.6	62.8	230
12.	GAH-2	Garacharma	296.5	321.4	240.1	249.2	370.5	91.5	55.71	60.0	825.6	49.7	160
13.	HBAY-11	Hutbay-11	281.1	490.5	241.4	276.1	544.8	76.4	53.92	60.4	782.9	43.7	195
14.	HBAY-11A	Hutbay-11a	290.3	446.1	196.0	222.3	372.3	89.5	83.01	49.0	782.9	39.6	165
15.	HD-6	Haddo-6	365.2	533.7	395.2	265.7	376.1	86.9	63.15	98.8	797.2	46.4	185
16.	HD-6A	Haddo-6a	347.0	537.1	361.3	202.3	547.4	87.1	53.67	90.3	911.0	42.5	190
17.	JGH-1	Junglighat	296.3	574.7	299.3	257.0	118.5	91.8	54.11	74.8	896.8	49.1	190
18.	JGH-5	Junglighat	275.9	656.2	295.8	257.0	440.8	80.4	49.48	73.9	298.9	57.6	160
19.	LH-1	Light House	296.4	250.6	214.5	250.1	493.0	90.5	58.15	53.6	484.0	33.1	130
20.	LH-12	Light House	195.5	293.3	202.8	210.1	696.3	82.0	50.9	50.7	555.2	30.2	440
21.	MANJ-1	Manjery-1	210.2	215.2	190.4	340.4	543.9	89.7	53.29	47.6	412.8	39.8	380
22.	MANJ-9	Manjeri-9	255.2	236.5	275.5	285.7	529.4	82.4	54.93	68.9	526.7	37.8	390
23.	MBAY-16	Minniebay-16	165.4	192.7	130.2	271.8	515.3	71.0	63.39	32.6	640.6	34.9	195
24.	MEM-1	Memio-1	294.1	243.3	230.3	227.5	486.5	90.8	55.58	57.6	298.9	50.9	240
25.	MEM-2	Memio-2	165.6	196.1	124.6	239.7	618.9	80.0	74.59	31.2	797.2	52.0	270
26.	MEM-3	Memio-3	165.7	537.6	88.9	163.3	311.0	85.3	55.58	22.2	327.4	50.4	295
27.	MHP-19	Mohanpura	204.1	244.4	176.3	243.1	447.6	74.0	51.9	44.1	384.4	53.3	240
28.	NESAH-15	Nayasahar	190.9	303.9	180.7	257.9	114.7	72.0	67.38	45.2	782.9	32.6	305
29.	PBAY-7	Phoenix Bay	235.3	599.4	190.9	205.8	562.9	80.2	69.75	47.7	839.9	59.2	415
30.	SPG-2	Sippighat-2	298.4	456.2	250.4	232.7	516.3	89.2	75.16	62.6	242.0	53.6	205
31.	TRA-1	Nicobar	370.3	614.0	390.6	196.3	408.2	93.5	82.41	97.7	185.1	50.9	190
32.	TRA-2	Nicobar	265.5	588.2	240.8	222.3	663.4	94.9	76.88	60.2	355.9	54.2	185
33.	WAND-4	Wandoor-4	210.4	298.3	209.5	252.7	612.7	86.9	82.57	52.4	370.1	55.4	245
		CD (P=0.05)	8,2	11.4	6.5	16.4	24.5	5.8	3.2	18.2	23.0	9.2	88.3

*Deposited in National Bureau of Plant Genetic Resources, New Delhi (India) ** Antioxidant activity formula given in the Materials and Methods section