



Supplementary

**Qualitative and quantitative assessment of wild genotypes of mango
(*Mangifera indica* L.) in coastal districts of Karnataka, India**

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Table S1 : Comparison of mean values of wild mango genotypes with respect to various parameters

Accession	Leaf blade length (cm)	Leaf blade width (cm)	Petiole length (cm)	Fruit length (cm)	Fruit diameter (cm)	Fruit weight (g)	Fruit width (cm)	Pulp (%)	TSS (°Brix)	Peel (%)	Fruit thickness (cm)	Stone length (cm)	Stone thickness (cm)	Stone weight (g)
H1	18.43	5.35	2.59	5.77	13.77	68.79	4.45	15.68	20.72	22.82	3.76	5.73	1.93	28.21
H2	16.32	4.48	2.09	6.16	12.82	62.07	3.77	13.42	21.81	21.44	3.43	5.57	1.78	23.88
H3	20.01	5.44	3.09	4.7	10.57	32.95	3.52	4.32	14.16	7.04	3.02	4.42	1.88	20.90
H4	14.91	4.37	1.86	5.67	15.8	89.05	4.5	23.74	19.81	28.77	4.71	4.92	2.36	32.49
H5	14.87	4.38	2.48	5.9	14	73.13	4.3	16.48	17	21.04	3.62	5.45	2.26	33.09
H6	16.46	4.39	2.68	5.81	13.17	54.46	4.05	7.72	18.34	20.55	3.74	5.17	2.19	27.50
H7	17.42	4.19	3.4	5.8	13.77	71.19	4.15	12.16	12.57	20.63	4.12	5.47	2.28	36.06
H8	16.06	4.57	2.38	5.21	13.09	56.77	4.29	13.15	13.207	16.35	4.03	4.86	2.06	23.79
H9	13.97	4.06	1.52	4.24	9.74	24.54	2.54	2.67	22.6	8.17	3.98	3.94	1.6	11.97
H10	12.52	3.45	1.06	4.14	11.75	33.90	3.42	4.29	20.09	10.01	3.32	3.79	1.98	17.25
H11	8.56	2.18	1.94	5.61	12.64	57.44	3.81	8.24	11.58	15.54	4.1	5.41	1.97	29.56
K1	19.93	5.33	3.8	4.93	11.78	42.75	4.23	9.12	23.43	16.34	3.37	4.41	1.83	15.95
K2	27.58	4.67	5.05	5.63	14.62	77.31	4.74	19.96	19.78	27.53	4.22	5.24	2.09	29.67
K3	17.13	5.25	4.12	3.92	12.09	38.06	2.83	5.47	18.08	12.83	3.61	2.83	2.08	18.65
K4	20.9	4.82	3.28	6.27	16.97	115.82	5.18	19.90	15.86	37.95	4.91	6.05	2.33	55.54
K5	15.2	3.84	2.18	6.59	28.7	94.11	5.39	19.71	16.28	23.79	4.68	5.85	2.58	47.06
K6	14.47	4.72	2.14	4.87	12.17	43.62	3.2	10.86	20.06	11.95	3.33	4.57	1.92	18.33
K7	18.12	5.23	3.48	5.5	13.96	68.41	4.04	13.40	21.73	22.25	4.06	5.03	2.04	30.45
K8	14.81	4.02	2.15	6.07	16.14	99.05	4.91	19.50	14.99	27.57	4.72	5.72	2.67	46.65
K9	16.93	4.24	2.72	4.86	12.48	46.92	3.4	6.03	14.21	15.15	3.47	4.61	2.11	23.03
K10	20.35	5.94	2.78	7.08	14.98	101.84	5.16	18.49	13.12	37.87	4.4	6.49	2.27	41.06
K11	8.59	2.42	2.36	6.05	14.63	81.36	5.1	18.95	20.78	26.21	4.36	5.74	2.05	33.06
M1	25.76	5.2	3.51	5.57	2.31	55.34	4.2	16.13	17.63	18.17	3.83	4.85	0.12	21.96
M2	17.71	5.01	2.68	4.66	12.65	48.82	4.65	7.66	21.37	12.17	1.76	4.45	0.35	24.82
M3	25.36	4.78	3.29	4.95	14.33	68.55	4.51	28.40	17.52	27.40	4.26	4.73	2.06	27.95
M4	22.92	4.24	2.73	4.75	13	55.10	3.99	18.43	22.85	18.41	3.94	4.52	2.15	23.39
M5	13.02	4.22	1.96	4.45	11.61	40.86	3.86	9.11	23.2	11.75	3.62	4.16	1.84	18.43

M6	23.76	4.91	3.2	5.14	14.13	59.66	4.58	16.79	17.44	20.70	4.05	4.56	1.87	19.06
M7	20.94	4.91	2.91	5.19	12.18	45.68	4.06	3.85	19.79	18.62	3.54	4.5	1.74	23.17
M8	21.98	6.1	3.29	5.53	14.6	67.52	5.54	17.10	21.3	19.46	1.85	4.51	0.32	28.29
M9	19.04	4.6	3.66	5.65	13.69	66.82	4.53	12.68	16.51	25.37	4.14	5.01	1.86	20.77
M10	19.81	4.66	2.75	6.01	16.65	97.82	6.13	40.93	13.4	18.21	2.96	4.99	0.48	33.98
M11	20.41	4.48	2.85	5.5	13.27	61.38	4.47	9.44	18.562	24.06	4.02	5.53	1.8	24.36
B1	16.7	4.52	1.88	7.51	17.95	134.10	5.89	39.27	14.85	26.45	5.09	6.56	2.25	60.93
B2	18.6	4.63	3.28	5.35	12.81	43.181	4.15	9.57	17.22	15.11	2.35	4.85	2.06	23.72
B3	16.27	4.43	4.46	5.56	12.65	49.55	4.4	7.49	19.76	20.19	3.91	4.89	1.83	22.58
B4	14.45	4.01	2.76	5.43	16.33	86.42	4.33	25.80	15.76	23.97	2.75	4.48	1.98	29.36
B5	24.91	6.48	3.58	4.26	11.77	40.35	3.75	4.59	25.09	12.29	3.42	4.08	2.05	21.46
B6	15.31	5.16	2.68	5.9	17.4	116.66	5.56	42.28	15.28	32.92	5.51	5.18	2.02	38.13
B7	23.75	5.28	3.26	4.32	12.28	44.88	5.11	9.629	21.69	12.35	3.55	4.07	2.29	21.60
B8	18.72	5.85	2.17	6.2	16.16	102.68	5.33	26.15	20.09	31.59	4.64	5.677	2.18	40.30
B9	15.6	4.27	4.56	4.37	13.46	76.51	4.72	13.17	17.33	21.58	4.00	4.41	1.88	24.55
B10	18.53	5.32	3.25	5.31	14.06	64.02	3.54	17.036	19.264	17.00	2.07	5.03	0.34	26.29
B11	25.14	6.56	3.78	5.04	13.17	56.17	4.78	14.263	15.56	17.25	3.42	4.25	1.55	18.36
B12	15.97	4.46	3.44	5.51	13.41	59.77	4.74	12.22	16.83	14.56	1.94	5.19	0.3	30.26
Mean	18.18	4.69	2.91	5.39	13.76	66.12	4.39	15.23	18.18	20.25	3.72	4.92	1.81	28.18
CV	17.73	21.74	34.98	9.30	47.69	21.76	11.77	37.20	9.46	22.37	11.81	10.63	14.30	23.27
CD at 5%	2.83	0.89	0.89	0.44	5.77	12.65	0.45	4.98	1.514	3.98	0.38	0.46	0.22	5.765

Table S3 : Qualitative characters of different plant accessions of coastal districts of Karnataka

Accession	Tree height	Crown shape	Leaf apex shape	Leaf base shape	Leaf fragrance
H1	Medium	Erect	Obtuse	Acute	Mild
H2	Very tall	Oblong	Acute	Acute	Absent
H3	Tall	Semi circular	Acuminate	Acute	Mild
H4	Medium	Circular	Acuminate	Acute	Absent
H5	Medium	Circular	Acute	Obtuse	Absent
H6	Very tall	Semi circular	Acuminate	Acute	Mild
H7	Medium	Semi circular	Acuminate	Acute	Absent
H8	Medium	Semi circular	Obtuse	Acute	Absent
H9	Medium	Circular	Acuminate	Acute	Absent
H10	Tall	Semi circular	Acuminate	Acute	Mild
H11	Medium	Broadly pyramidal	Acuminate	Acute	Absent
K1	Medium	Semi circular	Acuminate	Obtuse	Mild
K2	Tall	Spherical	Acuminate	Acute	Mild
K3	Medium	Semi circular	Acute	Acute	Absent
K4	Medium	Circular	Acuminate	Acute	Absent
K5	Tall	Broadly pyramidal	Acute	Acute	Absent
K6	Medium	Semi circular	Acuminate	Acute	Absent
K7	Medium	Spherical	Acuminate	Obtuse	Mild
K8	very tall	Circular	Acuminate	Acute	Absent
K9	Tall	Semi circular	Acuminate	Acute	Mild
K10	Tall	Spherical	Acuminate	Acute	Mild
K11	Tall	Circular	Acute	Acute	Absent
M1	Very tall	Broadly pyramidal	Acute	Obtuse	Mild
M2	Very tall	Spherical	Acuminate	Obtuse	Mild
M3	Medium	Oblong	Obtuse	Absent	Absent
M4	Very tall	Spherical	Acuminate	Acute	Mild
M5	Tall	Broadly pyramidal	Acuminate	Obtuse	Absent
M6	Tall	Oblong	Acuminate	Acute	Absent
M7	Very tall	Spherical	Acuminate	Acute	Mild
M8	Very tall	Broadly pyramidal	Acuminate	Acute	Absent
M9	Tall	Broadly pyramidal	Acuminate	Acute	Absent
M10	Tall	Oblong	Acuminate	Acute	Absent
M11	Tall	Broadly pyramidal	Acuminate	Acute	Absent
B1	Medium	Oblong	Acuminate	Acute	Mild
B2	Medium	Oblong	Acute	Acute	Mild
B3	Medium	Broadly pyramidal	Acuminate	Acute	Mild
B4	Medium	Semi circular	Acuminate	Acute	Absent
B5	Tall	Oblong	Acute	Acute	Absent
B6	Tall	Broadly pyramidal	Acuminate	Acute	Mild
B7	Very tall	Spherical	Acuminate	Acute	Mild
B8	Tall	Circular	Acute	Obtuse	Absent
B9	Tall	Semi circular	Obtuse	Acute	Absent
B10	Medium	Oblong	Acuminate	Acute	Absent
B11	Medium	Semi circular	Acuminate	Acute	Mild
B12	Medium	Semi circular	Acute	Acute	Absent

Table S4: Qualitative traits of different plant accessions

Accession	Skin color	Pulp color	Fruit apex	Fruit shape	Fruit beak type
H1	Yellowish green	Orange (whitish)	Roundish	Elliptic	Perceptible
H2	Pale yellowish	Yellowish	Roundish	Obtuse	Perceptible
H3	Yellowish green	Pale yellow	Roundish	Round	Perceptible
H4	Greenish pale yellow	Yellow	Roundish	Round	Perceptible
H5	Greenish pale yellow	Pale yellow	Roundish	Obovoid	Perceptible
H6	Green	Orange	Roundish	Round	Perceptible
H7	Green	Orange	Roundish	Oblong	Perceptible
H8	Green	Orange	Roundish	Round	Perceptible
H9	Greenish pale yellow	Pale yellow	Roundish	Ovoid	Perceptible
H10	Green	Whitish Yellow	Roundish	Round	Perceptible
H11	Green	Yellow	Roundish	Elliptic	Perceptible
K1	Yellowish green	Pale yellow	Roundish	Round	Perceptible
K2	Yellowish green	Orange	Roundish	Round	Perceptible
K3	Green	Whitish yellow	Roundish	Round	Perceptible
K4	Yellowish green	Yellow	Roundish	Round	Perceptible
K5	Green	Orange	Roundish	Round	Perceptible
K6	Greenish pale yellow	Yellow	Roundish	Round	Perceptible
K7	Greenish pale yellow	Yellowish orange	Roundish	Round	Perceptible
K8	Green	Yellowish orange	Roundish	Round	Round
K9	Greenish yellow	Pale orange	Roundish	Round	Perceptible
K10	Greenish yellow	Orange	Roundish	Round	Perceptible
K11	Greenish yellow	Yellow	Roundish	Oblong	Perceptible
M1	Yellowish orange	Orange	Roundish	Round	Perceptible
M2	Green	Orange	Roundish	Ovoid	Perceptible
M3	Yellowish Green	Orange	Roundish	Round	Perceptible
M4	Yellowish orange	Orange yellow	Roundish	Ovoid	Perceptible
M5	Yellowish green	Yellowish	Roundish	Ovoid	Perceptible
M6	Green	Pale yellow	Roundish	Round	Perceptible
M7	Greenish yellow	Whitish yellow	Roundish	Round	Perceptible
M8	Greenish yellow	Orange	Roundish	Round	Perceptible
M9	Greenish pale yellow	Yellowish orange	Roundish	Round	Perceptible
M10	Yellow	Yellow	Roundish	Elliptic	Perceptible
M11	Yellowish green	Orange	Roundish	Round	Perceptible
B1	Green	Orange	Roundish	Elliptic	Perceptible
B2	Green	Orange	Roundish	Round	Perceptible
B3	Yellowish green	Orange	Roundish	Round	Perceptible
B4	Yellowish green	Yellowish orange	Roundish	Ovoid	Pointed
B5	Green	Pale yellow	Roundish	Round	Perceptible
B6	Yellowish orange	Orange	Roundish	Roundish	Perceptible
B7	Green	Orange	Roundish	Round	Perceptible
B8	Green	Yellowish	Roundish	Round	Perceptible
B9	Greenish yellow	Orange	Roundish	Round	Perceptible
B10	Greenish yellow	Orange	Roundish	Round	Perceptible
B11	Green	Pale yellow	Roundish	Roundish	Perceptible
B12	Greenish yellow	Orange	Roundish	Round	Perceptible