Supplementary Material

Table S1. Fruit agronomic traits of different green banana ecotypes.

Cultivar	Green banana					
	Fruit finger circumference /cm	Fruit finger length/cm	Peel thickness /mm	Fresh flesh weight/g	Fresh peel weight/g	Fruit finger fresh weight/g
Pahang	4.66 ± 0.39	6.11 ± 0.50	2.40 ± 0.33	0.55 ± 0.26	5.54 ± 0.63	6.09 ± 0.61
Inkira	12.03 ± 0.88	14.90 ± 1.23	3.84 ± 0.45	52.21 ± 7.45	52.84 ± 9.28	105.05 ± 9.14
Kazirakwe	14.38 ± 1.10	14.69 ± 1.25	3.11 ± 0.31	84.72 ± 17.19	48.34 ± 6.09	133.06 ± 19.58
Brazilian	12.76 ± 0.48	24.46 ± 0.15	3.75 ± 0.49	116.1 ± 14.99	87.82 ± 10.7	203.92 ± 15.96
Reke No.2	13.06 ± 0.53	27.56 ± 1.21	3.84 ± 0.69	135.59 ± 15.66	94.84 ± 8.85	230.43 ± 22.67
Reke No.4	12.91 ± 0.33	23.75 ± 0.14	3.78 ± 0.86	122.83 ± 14.31	77.5 ± 12.99	200.33 ± 20.93
Nantianhuang	12.13 ± 0.36	23.74 ± 0.15	3.18 ± 0.40	97.43 ± 10.68	74.21 ± 13.36	171.64 ± 21.02
Baodaojiao	12.66 ± 0.77	25.01 ± 0.12	3.50 ± 0.48	123.68 ± 27.96	84.24 ± 11.74	207.92 ± 33.47
Zhongjiao No.8	12.96 ± 0.43	25.14 ± 0.15	3.87 ± 0.18	104.57 ± 7.28	99.57 ± 8.89	205.02 ± 16.27
Yunjiao No.1	12.29 ± 0.67	25.45 ± 2.01	3.67 ± 0.34	104.20 ± 31.13	79.48 ± 18.54	183.68 ± 49.17

Table S2. Fruit agronomic traits of different ripe banana ecotypes.

Cultivar	Ripe banana					
	Fruit finger circumference /cm	Fruit finger length/cm	Peel thickness /mm	Fresh flesh weight/g	Fresh peel weight/g	Fruit finger fresh weight/g
Pahang	4.34 ± 0.26	5.84 ± 0.41	1.94 ± 0.10	1.20 ± 0.46	5.13 ± 0.91	6.33 ± 0.63
Inkira	11.92 ± 0.64	14.73 ± 1.27	3.65 ± 0.65	51.35 ± 9.25	42.7 ± 2.65	94.05 ± 9.83
Kazirakwe	14.88 ± 0.60	14.12 ± 0.89	2.88 ± 0.20	97.40 ± 15.07	42.64 ± 3.50	140.04 ± 17.11
Brazilian	12.53 ± 0.37	24.44 ± 0.45	3.35 ± 0.26	113.92 ± 13.16	73.4 ± 8.45	187.1 ± 16.35
Reke No.2	12.68 ± 0.38	27.44 ± 3.10	3.19 ± 0.32	144.91 ± 23.29	88.11 ± 8.22	233.02 ± 30.05
Reke No.4	12.89 ± 0.38	23.63 ± 1.25	3.29 ± 0.42	129.08 ± 11.15	71.02 ± 7.63	200.1 ± 18.14
Nantianhuang	11.72 ± 0.47	23.56 ± 0.68	2.88 ± 0.2	103.7 ± 8.57	61.08 ± 10.62	164.77 ± 17.7
Baodaojiao	12.00 ± 0.59	24.87 ± 0.84	2.80 ± 0.26	117.27 ± 20.58	65.87 ± 9.68	183.14 ± 26.86
Zhongjiao No.8	12.87 ± 0.58	25.02 ± 0.71	3.45 ± 0.42	103.70 ± 12.53	90.26 ± 8.55	195.07 ± 21.71
Yunjiao No.1	12.07 ± 0.80	25.44 ± 3.08	3.02 ± 0.48	120.84 ± 34.38	69.13 ± 15.16	189.91 ± 49.02

Table S3. The proportion of green/ripe banana peel and the water content of the peel of 10 banana cultivars.

Subgroups	Cultivar	Green banana		Ripe banana	
		Proportion of fresh green banana peel (%)	Proportion of green banana peel dry weight (%)	Proportion of fresh ripe banana peel (%)	Proportion of ripe banana peel dry weight (%)
Malaccensis	Pahang	93.65 ± 8.64 [a]	11.53 ± 1.12 [d, e, f, g, h, i, j]	80.65 ± 7.80 [a]	28.37 ± 3.69 [a]
Mutika-Lujµgira	Inkira	50.17 ± 6.60 [b, c]	18.42 ± 4.89 [a, b, c]	45.78 ± 4.57 [c]	13.59 ± 1.57 [c]
	Kazirakwe	36.74 ± 4.70 [j]	15.34 ± 2.43 [b, d, c, e]	30.70 ± 2.83 [j]	14.22 ± 2.07 [b, c]
Cavendish	Brazilian	43.14 ± 5.25 [e, f, g, h, i]	10.58 ± 3.61 [f, g, h, i, j]	39.29 ± 3.79 [d, e, f, g]	8.36 ± 0.67 [g, h, i, j]
	Reke No.2	41.24 ± 2.37 [g, h, i, j]	11.77 ± 2.53 [c, d, e]	38.04 ± 2.39 [e, f, g, h, i]	6.80 ± 1.12 [i, j]
	Reke No.4	38.63 ± 4.43 [i, j]	7.35 ± 1.97 [h, i, j]	35.46 ± 1.24 [i]	5.90 ± 0.61 [j]
	Nantianhuang	43.01 ± 4.33 [f, g, h, i]	7.33 ± 0.30 [i, j]	36.84 ± 3.15 [f, g, h, i]	9.33 ± 2.97 [e, f, g, h, i, j]
	Baodaojiao	40.95 ± 5.92 [h, i, j]	7.54 ± 1.28 [g, h, i, j]	36.11 ± 3.64 [h, i]	8.42 ± 0.78 [f, g, h, i, j]
	Zhongjiao No.8	48.56 ± 1.79 [c]	10.84 ± 1.09 [e, f, g, h, i, j]	46.38 ± 1.85 [b, c]	9.66 ± 0.88 [d, e, f, g, h, i, j]
	Yunjiao No.1	43.74 ± 2.98 [d, e, f, g, h]	7.19 ± 1.03 [j]	36.83 ± 2.54 [g, h, i]	7.28 ± 2.07 [h, i, j]

Statistical note: Means (n = 3) within a column followed by different letters are significantly different at $p < 0.05$ according to the Tukey's honestly significant difference (HSD) multiple range test. Means with superscripts having the same letter are not significantly different.