

Table S3. Major Volatile compounds of the two *R. chinensis* cultivars

Retention time (min)	Compounds	CAS number	Area (%)		Odor
			'OB'	'CH'	
Fatty acid derivatives					
8.07	(Z)-3-Hexenol*	928-96-1	6.38 ± 0.74	4.96 ± 0.69	Fresh green
17.15	(Z)-3-Hexenyl acetate	3681-71-8	5.57 ± 1.62	4.90 ± 2.46	Fresh green
18.71	2-Ethylhexanol	104-76-7	0.83 ± 0.66	1.11 ± 0.81	Fruity floral
67.07	9-Nonadecene	31035-07-1	0.96 ± 0.67	0.85 ± 0.55	Others
67.46	Heneicosane	629-94-7	0.79 ± 0.31	1.39 ± 0.61	Others
Phenylpropanoids and derivatives					
24.93	2-Phenylethanol*	12/8/1960	0.15 ± 0.2	51.03 ± 9.20	Damask sweet
34.1	Phenethyl acetate*	103-45-7	–	2.20 ± 0.48	Fruity floral
44.4	1,3,5-Trimethoxybenzene*	621-23-8	17.29 ± 5.07	0.31 ± 0.15	Tea fenolic
Terpenoids and derivatives					
16.02	β-Myrcene	123-35-3	1.28 ± 1.65	0.04 ± 0.09	Herbal green
19.2	(E)-β-Ocimene	3779-61-1	0.48 ± 0.62	–	Herbal green
28.36	Borneol*	507-70-0	0.15 ± 0.06	1.90 ± 0.62	Others
34.04	Nerol/ Geraniol	106-25-2	0.89 ± 1.08	–	Fruity floral
36.73	Theaspirane*	36431-72-8	0.56 ± 0.15	2.14 ± 0.67	Woody honey
42.81	β-Elemene*	515-13-9	3.74 ± 0.25	0.76 ± 0.14	Woody honey
45.52	Dihydro-β-ionone	17283-81-7	2.81 ± 1.89	3.90 ± 0.40	Tea violet
46.15	Dihydro-β-ionol*	3293-47-8	17.87 ± 5.20	5.67 ± 2.16	Woody honey
47.15	(Z)-Muurolo-4(15),5-diene	157477-72-0	1.34 ± 0.90	0.56 ± 0.40	Others
48.02	γ-Muurolole	30021-74-0	4.25 ± 2.13	1.39 ± 0.29	Woody honey
49.42	α-Muurolole*	31983-22-9	–	2.10 ± 0.39	Woody honey
50.25	γ-Cadinene*	39029-41-9	2.36 ± 0.44	0.87 ± 0.26	Woody honey
50.6	δ-Cadinene*	483-76-1	5.71 ± 0.70	2.01 ± 0.57	Woody honey
51.62	α-Cadinene*	24406-05-1	1.49 ± 0.47	0.43 ± 0.18	Woody honey
Total			74.90 ± 3.37	88.52 ± 1.57	

Note: Values were means ± SE. “–” represents that the compound was not detected. “*” indicates that $p < 0.05$.