

Supplementary material

Table S1 Compounds detected in extracts from flowers of *Rhododendron protistum* var. *giganteum*

No.	Compound	CAS	t_x	t_n	t_{n+1}	KI	%
alkanes							51.69
1	Decane	124-18-5	16.47	16.47	17.29	1000	0.66
2	Dodecane	93685-81-5	19.84	19.84	22.94	1200	16.44
3	Tridecane	629-50-5	22.94	22.94	25.72	1300	20.96
4	Tetradecane(isomer)	-	24.92	22.94	25.72	1371	2.91
5	n-Tetradecane	629-59-4	25.72	25.72	28.29	1400	8.84
6	n-Pentadecane	629-62-9	28.29	28.29	30.69	1500	1.88
alkenes							45.23
7	1-Decene	872-05-9	16.27	14.65	16.47	989	0.82
8	1-Dodecene	112-41-4	19.56	17.29	19.84	1189	7.39
9	1-Tetradecene	1120-36-1	25.52	22.94	25.72	1393	37.02
alcohols							1.06
10	Dodecanol	112-53-8	26.99	25.72	28.29	1449	1.06
aldehydes							2.02
11	Dodecyl aldehyde	112-54-9	25.99	25.72	28.29	1411	2.02

Kovats index (KI) was calculated according to the formula of Dool & Kratz (1963) as given in Chen et al. (2012): $KI=100n+100(t_x-t_n)/(t_{n+1}-t_n)$, where n is the number of carbon atoms in the n-alkane eluting immediately before the compound of interest. CAS, Chemical Abstracts Service registry number; t_n , retention times of the n-alkanes eluting immediately before; t_{n+1} , retention times of the n-alkanes eluting immediately after; t_x , retention time of the compound.

Table S2 Compounds detected in extracts from leaves of *Rhododendron protistum* var. *giganteum*

No.	Compound	CAS	t_x	t_n	t_{n+1}	KI	%
alkanes							78.63
1	Dodecane	93685-81-5	19.84	19.84	22.94	1200	13.95
2	Tridecane	629-50-5	22.94	22.94	25.72	1300	15.86
3	Tetradecane(isomer)	-	24.92	22.94	25.72	1371	7.32
4	n-Tetradecane	629-59-4	25.72	25.72	28.29	1400	14.86
5	Pentadecane(isomer)	-	27.33	25.72	28.29	1462	12.24
6	n-Hexadecane	544-76-3	30.69	30.69	33.46	1600	5.25
7	Heptadecane(isomer)	-	31.8	30.69	33.46	1640	6.38
8	Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	33.1	30.69	33.46	1687	2.77
alkenes							21.37
9	1-Dodecene	112-41-4	19.56	17.29	19.84	1189	1.65
10	1-Tetradecene	1120-36-1	25.52	22.94	25.72	1393	10.69
11	1-Hexadecene	629-73-2	30.51	28.29	30.69	1593	5.18
12	1-Octadecene	112-88-9	34.95	33.46	35.12	1790	3.85

Kovats index (KI) was calculated according to the formula of Dool & Kratz (1963) as given in Chen et al. (2012): $KI=100n+100(t_x-t_n)/(t_{n+1}-t_n)$, where n is the number of carbon atoms in the n-alkane eluting immediately before the compound of interest. CAS, Chemical Abstracts Service registry number; t_n , retention times of the n-alkanes eluting immediately before; t_{n+1} , retention times of the n-alkanes eluting immediately after; t_x , retention time of the compound.

Table S3 Measurements of morphological flower characters of *Rhododendron protistum* var. *giganteum*

Character	Length measured, cm		
	Range	Mean	SD
Pedicel	1.2-2.2	1.69	2.65
Calyx	4.5-6.5	5.63	5.15
Corolla			
Length	5.0-7.8	6.38	6.20
Diameter	4.9-8.0	6.32	8.33
Stamens			
Shortest	2.5-3.7	3.07	3.15
Longest	4.6-6.0	5.29	1.02
Anthers			
Shortest	0.22-0.30	0.28	0.27
Longest	0.32-0.40	0.39	0.24
Style	4.3-6.2	5.17	4.64
Shortest distance stigma-stamen	0.5-2.2	1.14	4.55

Sample size for all measurements, n=30.

Reference

- Chen, G. et al. 2012. Floral scents of typical *Buddleja* species with different pollination syndromes. - *Biochem. Syst. Ecol.* 44: 173-178.
- Dool, H.V.D. and Kratz, P.D. 1996. A generalization of the retention index system including linear temperature programmed gas—liquid partition chromatography. - *J. Chromatogr. A* 11:463-471.