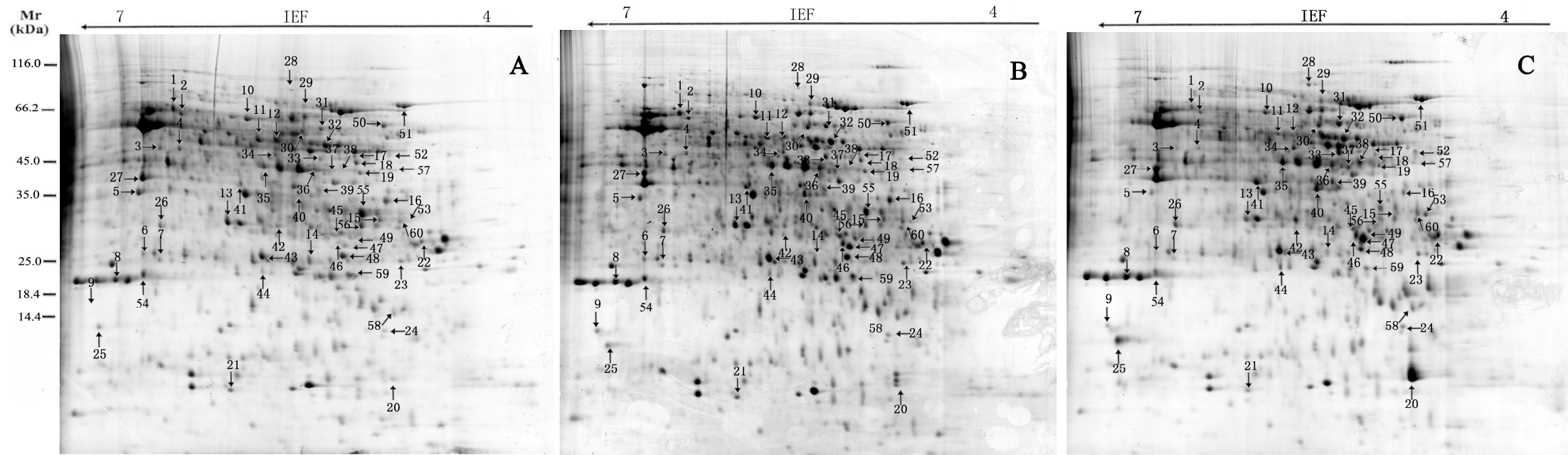


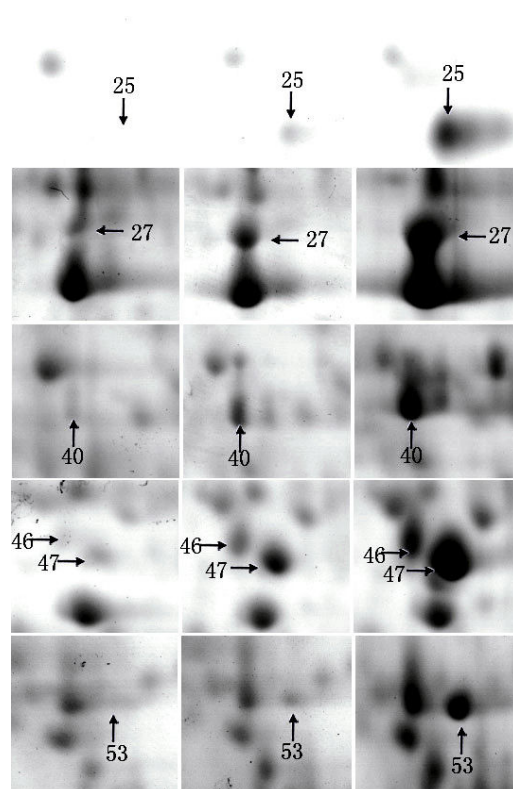
Supplementary Material

1 Supplementary Figures and Tables

1.1. Supplementary Figures



Supplementary Figure 1. 60 protein spots differentially expressed proteins were screened out and image analysis that changed 1.5 or more in abundance of *B. acuminata*. A: 1d; B: 3d; C: 5d



Supplementary Figure 2. The 6 proteins that stand out from day 1 to day 3 in the petals of *B. acuminata*

1.2. Supplementary Tables

Supplementary Table 1. Primer names and sequences.

Gene name	Primer Sequence (5'-3')
<i>CHS-F</i>	CAAAGGAGGGCTTAGGAACTACT
<i>CHS-R</i>	CAAATTCAACCCCAAGAACAAATGA
<i>CHI-F</i>	AGAAACCAGGAACCGAAAAATCA
<i>CHI-R</i>	CCTCTACTACGGCAACAAATGAC
<i>F3'5'H-F</i>	AACAACCTTCTCCAACCGTCCAC
<i>F3'5'H-R</i>	CAAGGCTTTCCCCCCTAACA
<i>18S ribosomal-F</i>	AACCATAAACGATNCCGACCAG
<i>18S ribosomal-R</i>	NCTTGCGACCATACTCCC

Supplementary Table2. The 52 kinds of volatile components were detected in different days of *B. acuminata*

No.	Compounds	Relative contents (%)		
		1d	3d	5d
1	Linalool	37.59±8.39	31.27±2.12	19.24±4.12
2	2-Hexenal, (E)-	44.92±5.11	20.98±1.29	--
3	trans-Linalool oxide (furanoid)	5.91±1.47	11.61±1.58	8.27±1.56
4	(E)-4,8-Dimethylnona-1,3,7-triene	9.62±5.28	9.81±1.07	10.11±6.31
5	2-Furanmethanol, 5-ethenyltetrahydro-à,à,5-trimethyl-, cis-	3.47±0.42	9.34±1.60	6.07±1.37
6	1-Hexanol	5.22±0.83	5.13±1.25	12.53±5.98
7	Benzeneacetaldehyde	0.67±0.20	4.15±1.70	11.40±0.85
8	Benzaldehyde	0.48±0.10	1.90±0.83	5.14±0.78
9	(3R,6S)-2,2,6-Trimethyl-6-vinyltetrahydro-2H-p yran-3-ol	0.64±0.03	1.39±0.56	1.09±0.13
10	à-Cimene	1.39±1.20	1.15±0.79	1.36±1.36
11	2-Butenoic acid, 2-methyl-, 3-methylbutyl ester, (E)-	--	1.00±0.06	0.48±0.16
12	Heptanal	1.46±0.24	0.95±0.23	0.65±0.01
13	2-Hexenal	0.74±0.44	0.45±0.13	16.78±1.43
14	2-Hexen-1-ol, (E)-	0.18±0.05	0.50±0.48	0.41±0.24
15	Phenylethyl Alcohol	--	0.21±0.04	1.04 ±0.17
16	Nerolidol	--	0.38±0.08	0.66±0.17
17	(3E,7E)-4,8,12-Trimethyltrideca-1,3,7,11-tetraen e	--	0.59±0.21	--
18	Cinnamaldehyde, (E)-		0.31±0.14	0.31±0.04
19	Benzyl alcohol	0.10±0.02	0.24±0.01	0.48±0.03
20	2-Octenal, (E)-		0.23±0.07	0.44±0.07
21	2,4-Nonadienal, (E,E)-	0.20±0.04	0.21±0.03	0.35 ±0.07
22	Hexanal	0.37±0.12	0.20±0.11	0.07±0.04
23	2-Heptenal, (Z)-	0.36±0.08	0.19±0.01	0.24±0.01
24	Oxygen	0.63±0.43	0.17±0.05	0.15±0.01
25	1-Octanol	0.07± 0.04	0.16±0.01	0.22±0.04
26	2,4-Hexadienal, (E,E)-	0.24±0.09	0.13±0.03	0.08±0.01
27	(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	0.08±0.03	0.12±0.04	0.11±0.05
28	Hexyl tiglate	0.15±0.03	0.10±0.02	0.06±0.02
29	Cyclopropane, propyl-	--	0.10±0.03	--
30	2-Hexenoic acid, methyl ester	--	0.09±0.02	0.05±0.01
31	Methional	0.10±0.00	0.09±0.01	0.11±0.01
32	(Z)-(Z)-Hex-3-en-1-yl 2-methylbut-2-enoate	0.09±0.03	0.09±0.04	--
33	Methyl tiglate	--	0.08±0.02	0.05±0.02
34	2,4-Heptadienal, (E,E)-	0.13±0.01	0.07±0.01	0.08±0.01
35	1-Heptanol	0.08±0.02	0.07±0.02	0.10±0.03
36	2,6-Octadienal, 3,7-dimethyl-, (E)-	--	0.07±0.03	--
37	Benzoic acid, hydrazide	--	0.07±0.02	--
38	Acetic acid, hexyl ester	--	0.06±0.02	0.08± 0.03
39	Naphthalene,	--	0.05±0.01	0.23± 0.05

	1,2,3,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methyl-ethyl)-, (1S-cis)-			
40	Octanal	0.08 $\pm$ 0.01	0.05 $\pm$ 0.03	--
41	Decanal		0.03 $\pm$ 0.00	0.02 $\pm$ 0.01
42	1-Octen-3-one	0.05 $\pm$ 0.04	0.02 $\pm$ 0.00	0.04 $\pm$ 0.01
43	1,3,5,7-Cyclooctatetraene	--	0.01 $\pm$ 0.00	--
44	2,4,6-Trimethyl-1-nonene	--	0.01 $\pm$ 0.00	--
45	4-Methyl-2,4-bis(p-hydroxyphenyl)pent-1-ene, 2TMS derivative	--	0.00 $\pm$ 0.00	--
46	2-Nonenal, (E)-	0.05 $\pm$ 0.01	0.05 $\pm$ 0.00	0.06 $\pm$ 0.00
47	2,3-Hexanedione	0.88 $\pm$ 0.08	--	--
48	1-Octen-3-ol	0.12 $\pm$ 0.03	--	--
49	Oxime-, methoxy-phenyl-	0.07 $\pm$ 0.01	--	--
50	1,3-Dioxolane-2-methanol	--	--	0.04 $\pm$ 0.01
51	1-Butanol, 3-methyl-, benzoate	--	--	0.03 $\pm$ 0.01
52	1-Pentanol, 4-methyl-	--	--	0.01 $\pm$ 0.00