

Table S1. List of compounds in 16 feijoa cultivars detected by GC-MS and annotated by comparing experimental LRI (Exp. LRI) with literature LRI (Lit. LRI) and similarity index (SI) to NIST database. –; no LRI available in literature. Compounds were annotated using (a) mass spectral and retention time match with an authentic standard, (b) mass spectral and LRI match, (c) mass spectral match only, or (d) no match with similarity less than 85%.

Compound Number	Exp. LRI	Lit. LRI	Annotation	Weighted regression coefficient	SI (%)	Annotation level
2	630	–	Lactic acid	-0.10	96	c
10	716	–	1,2-Cyclopentanedione	0.00	92	c
19	961	966	3-Octanone	0.58	96	b
20	836	–	2H-Pyran-2,6(3H)-dione	0.47	92	c
4	843	843	4-Cyclopentene-1,3-dione	1.24	95	a
21	974	992	3-Octanol	0.11	91	b
22	849	–	4-Hexen-1-ol acetate	0.11	91	c
24	1004	1004	4-Carene	0.36	85	b
25	900	–	2-Methylenesuccinic anhydride	0.31	97	c
26	1020	1026	beta-Phellandrene	1.33	89	b
27	912	920	2,5-Hexanedione	-0.33	90	b
28	1039	1063	4-Oxopentanoic acid	0.20	85	b
35	1072	1087	2-Furancarboxylic acid	0.00	94	b
38	945	–	Isobutyric anhydride	-0.10	94	c
39	1059	1064	gamma-Terpinene	0.36	90	b
36	963	–	S-Triazinetriamine	0.05	86	c
37	1076	1076	2,5-Furandicarboxaldehyde	0.17	98	b
41	1100	1106	Methyl benzoate	0.23	97	b
42	1015	1098	Linalool	-0.11	91	b
44	1031	–	Levogluconone	0.14	87	c
46	1060	–	N-methyl-N-nitroso-2-propanamine	0.76	85	c
50	1106	1150	Benzoic acid	-0.02	97	b
57	1232	1201	Catechol	-0.34	85	b
58	1146	1185	3-Hexenyl butyrate	0.84	89	b
59	1156	1170	Terpinen-4-ol	0.81	94	b
60	1162	1159	2-Pentanyl propanoate	0.46	86	b
63	1184	–	1,2,3-Tri-O-acetyl-5-deoxypentofuranose	-0.10	89	c
64	1185	–	1,4:3,6-Dianhydro- α -glucopyranose	0.09	90	c
65	1205	1224	5-Hydroxymethylfurfural	0.33	94	b
67	1226	–	2,3-Propanediol-1-	0.30	88	c

			acetate			
69	1239	1255	Geraniol	0.41	90	b
68	1240	–	trans-2-methyl-but-2-enedioic acid	-0.06	89	c
74	1268	–	Methylene-butanedioic acid	0.05	91	c
81	1285	1263	3-Methyl-1,2-benzenediol	-0.07	85	b
78	1297	1311	Salicylic acid	-0.72	90	b
93	1433	1412	beta-Bourbonene	0.39	85	b
94	1466	1451	4-Methoxybenzoic acid	-0.13	85	b
95	1482	1451	beta-Caryophyllene	0.92	95	a
98	1522	1497	Humulene	0.54	91	b
100	1543	1558	4-Hydroxybenzoic acid	-0.01	90	b
105	1561	1530	Leden	1.04	90	b
102	1575	–	Allose	0.51	85	c
106	1601	1566	Calamenene	0.42	88	b
111	1691	–	1,6-Anhydro-beta-glucofuranose	0.41	93	c
118	1720	–	Methyl beta-glucopyranoside	0.62	88	c
132	2036	1996	Methyl 15-methylhexadecanoate	-0.31	85	b
138	2194	2170	Methyl linolenate	-0.29	87	b
143	2264	–	[(Hexadecyloxy)methyl]-oxirane	0.09	85	c
141	2323	–	Flavone	1.31	98	a
1	unknown	unknown	unknown	0.45	91	d
7	unknown	unknown	unknown	-0.24	94	d
8	unknown	unknown	unknown	-0.01	93	d
11	unknown	unknown	unknown	-0.48	98	d
13	unknown	unknown	unknown	-0.40	97	d
17	unknown	unknown	unknown	0.06	89	d
43	unknown	unknown	unknown	0.10	96	d
47	unknown	unknown	unknown	0.33	91	d
49	unknown	unknown	unknown	-0.10	89	d
55	unknown	unknown	unknown	0.21	87	d
84	unknown	unknown	unknown	0.42	85	d
107	unknown	unknown	unknown	0.42	93	d
140	unknown	unknown	unknown	-0.79	85	d
121	unknown	unknown	unknown	0.52	87	d
124	unknown	unknown	unknown	0.07	87	d
128	unknown	unknown	unknown	-0.08	90	d
113	unknown	unknown	unknown	0.96	87	d
103	unknown	unknown	unknown	0.03	93	d
76	unknown	unknown	unknown	-0.32	91	d
80	unknown	unknown	unknown	-0.10	90	d

3	unknown	unknown	unknown	-0.01	< 85	d
5	unknown	unknown	unknown	-0.10	< 85	d
6	unknown	unknown	unknown	0.01	< 85	d
9	unknown	unknown	unknown	0.00	< 85	d
12	unknown	unknown	unknown	-0.63	< 85	d
14	unknown	unknown	unknown	-0.48	< 85	d
15	unknown	unknown	unknown	0.36	< 85	d
16	unknown	unknown	unknown	-0.04	< 85	d
18	unknown	unknown	unknown	-0.60	< 85	d
23	unknown	unknown	unknown	0.50	< 85	d
29	unknown	unknown	unknown	-0.72	< 85	d
30	unknown	unknown	unknown	0.67	< 85	d
31	unknown	unknown	unknown	-0.10	< 85	d
32	unknown	unknown	unknown	0.03	< 85	d
34	unknown	unknown	unknown	-0.32	< 85	d
40	unknown	unknown	unknown	0.66	< 85	d
45	unknown	unknown	unknown	-0.10	< 85	d
48	unknown	unknown	unknown	-0.31	< 85	d
52	unknown	unknown	unknown	-0.80	< 85	d
54	unknown	unknown	unknown	-0.52	< 85	d
56	unknown	unknown	unknown	-0.10	< 85	d
61	unknown	unknown	unknown	-0.91	< 85	d
62	unknown	unknown	unknown	0.36	< 85	d
66	unknown	unknown	unknown	-0.10	< 85	d
72	unknown	unknown	unknown	-0.38	< 85	d
73	unknown	unknown	unknown	-0.60	< 85	d
75	unknown	unknown	unknown	-0.80	< 85	d
77	unknown	unknown	unknown	0.01	< 85	d
79	unknown	unknown	unknown	0.01	< 85	d
82	unknown	unknown	unknown	-0.21	< 85	d
83	unknown	unknown	unknown	0.41	< 85	d
85	unknown	unknown	unknown	0.08	< 85	d
86	unknown	unknown	unknown	0.72	< 85	d
87	unknown	unknown	unknown	-0.10	< 85	d
88	unknown	unknown	unknown	-0.10	< 85	d
89	unknown	unknown	unknown	0.08	< 85	d
90	unknown	unknown	unknown	-0.54	< 85	d
91	unknown	unknown	unknown	0.26	< 85	d
92	unknown	unknown	unknown	0.27	< 85	d
96	unknown	unknown	unknown	0.12	< 85	d
99	unknown	unknown	unknown	-0.31	< 85	d
101	unknown	unknown	unknown	0.88	< 85	d
104	unknown	unknown	unknown	-0.31	< 85	d
108	unknown	unknown	unknown	0.22	< 85	d
109	unknown	unknown	unknown	-0.27	< 85	d

110	unknown	unknown	unknown	-0.04	< 85	d
112	unknown	unknown	unknown	0.19	< 85	d
114	unknown	unknown	unknown	0.20	< 85	d
115	unknown	unknown	unknown	0.23	< 85	d
116	unknown	unknown	unknown	0.84	< 85	d
117	unknown	unknown	unknown	0.77	< 85	d
119	unknown	unknown	unknown	0.83	< 85	d
120	unknown	unknown	unknown	0.01	< 85	d
122	unknown	unknown	unknown	1.03	< 85	d
123	unknown	unknown	unknown	0.35	< 85	d
125	unknown	unknown	unknown	-0.45	< 85	d
126	unknown	unknown	unknown	0.22	< 85	d
127	unknown	unknown	unknown	-0.27	< 85	d
129	unknown	unknown	unknown	0.38	< 85	d
130	unknown	unknown	unknown	-0.16	< 85	d
131	unknown	unknown	unknown	-0.72	< 85	d
133	unknown	unknown	unknown	-0.20	< 85	d
134	unknown	unknown	unknown	-0.61	< 85	d
135	unknown	unknown	unknown	0.43	< 85	d
136	unknown	unknown	unknown	-0.38	< 85	d
137	unknown	unknown	unknown	0.28	< 85	d
139	unknown	unknown	unknown	0.11	< 85	d
142	unknown	unknown	unknown	0.09	< 85	d
144	unknown	unknown	unknown	0.37	< 85	d
145	unknown	unknown	unknown	-0.60	< 85	d
146	unknown	unknown	unknown	-0.60	< 85	d
147	unknown	unknown	unknown	-0.31	< 85	d
148	unknown	unknown	unknown	0.88	< 85	d
149	unknown	unknown	unknown	1.26	< 85	d
151	unknown	unknown	unknown	0.26	< 85	d
71	unknown	unknown	unknown	0.09	<85	d
97	unknown	unknown	unknown	0.28	<85	d
53	unknown	unknown	unknown	0.87	<85	d
51	unknown	unknown	unknown	0.08	<85	d
70	unknown	unknown	unknown	0.84	<85	d
150	unknown	unknown	unknown	0.88	<85	d
33	unknown	unknown	unknown	-0.31	<85	d

Figure S1. GC-MS chromatogram of FFF6 feijoa cultivar.

