

**Table S1.** Tentatively identified and well identified volatiles in the aromas of flowers and fruits of soursop (*Annona muricata* L.) in different maturation stages determined by gas chromatography coupled with mass spectrometry.

			Retention index	RI <sup>813</sup>	RI <sup>880</sup>	RI <sup>931</sup>	RI <sup>955</sup>	RI <sup>1008</sup>	RI <sup>1026</sup>	RI <sup>1033</sup>	RI <sup>1037</sup>	RI <sup>1045</sup>
Sample code	Phenology	Organ	Maturity	2-methyl tetrahydrofuran-3-one	allyl butanoate	$\alpha$ -pinene	camphene	$\delta$ -3-carene	2-methyl-6-vinylpirazine	limonene	1,8-cineole	benzene acetaldehyde
EFR1	G0	Flower	1	0.163044	0.155002	108,035	0.166927	1.00E-09	216,917	1.00E-09	1.00E-09	0.00600578
EFR2	G0	Flower	1	0.0781613	1.00E-09	0.643864	1.00E-09	0.0689905	457,134	1.00E-09	1.00E-09	0.333
EFR3	G0	Flower	1	1.00E-09	0.103668	0.395099	880,793	1.00E-09	132,873	1.00E-09	0.0364091	0.708502
EFR4	G0	Flower	1	1.00E-09	0.0104368	0.391244	0.107335	1.00E-09	132,873	1.00E-09	1.00E-09	0.325239
EFR5	G0	Flower	1	0.629758	1.00E-09	114,585	0.289527	0.151144	132,873	1.00E-09	1.00E-09	1.00E-09
EFR6	G0	Flower	1	0.103187	0.179144	151,163	0.454892	0.20953	132,873	1.00E-09	0.272604	0.965188
EFR7	G0	Flower	1	0.310406	0.175512	122,646	0.16047	1.00E-09	204,997	1.00E-09	0.144833	0.992806
EFR8	G0	Flower	1	0.218938	1.00E-09	0.350572	246,621	1.00E-09	478,961	1.00E-09	0.0443204	0.665899
EFR9	G0	Flower	1	0.0629739	1.00E-09	0.281076	1.00E-09	1.00E-09	140,771	1.00E-09	0.345091	110,613
EFR10	G0	Flower	1	1.00E-09	1.00E-09	0.312151	1.00E-09	1.00E-09	732,916	544,648	1.00E-09	565,141
FCPR1	G1	Fruit	2	1.00E-09	1.00E-09	0.0179113	0.0412708	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCPR2	G1	Fruit	2	0.348689	0.799334	585,378	1.00E-09	110,424	0.517859	0.416596	1.00E-09	0.546641
FCPR3	G1	Fruit	2	0.15831	0.0292102	0.928724	0.192258	1.00E-09	0.529518	0.0530955	1.00E-09	0.663771
FCPR4	G1	Fruit	2	0.628746	102,047	859,463	1.00E-09	113,718	0.982561	1.00E-09	1.00E-09	0.599748
FCHR1	G2	Fruit	3	1.00E-09	0.335796	207,886	0.609441	0.27006	0.575474	0.0538183	0.13128	0.723401

<b>FCHR2</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.515127	0.522284	34,081	0.899409	0.447398	0.718105	0.173694	0.173726	0.73928
<b>FCHR3</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.270065	108,273	117,888	1.00E-09	147,932	0.420039	303,993	1.00E-09	0.493392
<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.171913	0.258762	298,086	1.00E-09	0.3095	0.323552	1.00E-09	1.00E-09	0.151079
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0874159	0.197456	213,801	1.00E-09	0.098784	0.768444	1.00E-09	0.189966	0.289337
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	259,617	247,592	154,035	0.820368	255,366	361,839	438,029	0.26804	110,787
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0549369	0.394817	134,913	0.154756	0.16333	0.480371	1.00E-09	1.00E-09	0.187532
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.321298	112,933	139,953	1.00E-09	198,636	0.809386	173,089	148,674	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.316971	0.184052	203,738	710,616	1.00E-09	191,776	0.760126	0.078835	0.576596
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.432185	1.00E-09	244,357	0.193804	0.624868	0.715783	1.00E-09	1.00E-09	0.732847
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.599177	0.725856	314,843	1.00E-09	0.797131	0.736726	0.913156	1.00E-09	20,581
<b>GR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.161599	1.00E-09	119,365	0.138712	0.0960382	107,051	1.00E-09	0.0901138	0.668665
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.63102	935,702	1.00E-09	105,051	0.385511	182,786	1.00E-09	0.210072
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.425115	1.00E-09	219,659	0.336469	0.140669	0.525133	1.00E-09	0.182399	0.782757
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.606213	1.00E-09	1.00E-09	0.296811	0.570165	1.00E-09	0.372083
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	165,224	1.00E-09	108,316	1.00E-09	1.00E-09	0.570737	1.00E-09	1.00E-09	0.626292
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	136,781	1.00E-09	1.00E-09	176,695	1.00E-09	1.00E-09	0.887109
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	107,603	1.00E-09	1.00E-09	0.148442	1.00E-09	1.00E-09	0.502245
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	146,296	1.00E-09	1.00E-09	0.313147	1.00E-09	1.00E-09	0.932648

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			Retention index	RI <sup>1055</sup>	RI/* <sup>1080</sup>	RI <sup>1103</sup>	RI <sup>1123</sup>	RI <sup>1156</sup>	RI <sup>1158</sup>	RI <sup>1159</sup>	RI/* <sup>1161</sup>
Sample code	Phenology	Organ	Maturity	<i>trans</i> -sabinene hydrate	<i>β</i> -ocimene	2( <i>E</i> )-hexenyl propanoate	camphor	2,2,7,7-tetramethyloctane	isomenthone	(2 <i>E</i> ,6 <i>Z</i> )-nonadienal	<i>p</i> -cymene
EFR1	G0	Flower	1	1.00E-09	930,564	0.623804	1.00E-09	0.958162	1.00E-09	0.23246	1.00E-09
EFR2	G0	Flower	1	1.00E-09	224,713	0.228865	1.00E-09	0.484428	0.0550395	0.61206	1.00E-09
EFR3	G0	Flower	1	0.264695	259,999	0.582683	1.00E-09	168,544	0.0947487	1.00E-09	1.00E-09
EFR4	G0	Flower	1	0.100555	0.91956	0.762854	1.00E-09	114,856	1.00E-09	0.64375	1.00E-09
EFR5	G0	Flower	1	1.00E-09	348,899	193,543	1.00E-09	167,483	0.0838335	18,374	1.00E-09
EFR6	G0	Flower	1	0.260031	616,659	310,241	1.00E-09	203,031	1.00E-09	0.89533	1.00E-09
EFR7	G0	Flower	1	0.316163	207,071	243,335	1.00E-09	242,657	1.00E-09	246,886	1.00E-09
EFR8	G0	Flower	1	0.170302	1,514	0.992769	1.00E-09	177,689	0.121071	178,634	1.00E-09
EFR9	G0	Flower	1	0.291131	270,795	318,036	1.00E-09	172,219	0.0192116	1.00E-09	1.00E-09
EFR10	G0	Flower	1	1.00E-09	130,255	1.00E-09	1.00E-09	0.623796	1.00E-09	1.00E-09	1.00E-09
FCPR1	G1	Fruit	2	1.00E-09	1.00E-09	0.0174174	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCPR2	G1	Fruit	2	1.00E-09	1.00E-09	0.835812	0.257084	175,015	1.00E-09	203,298	0.65321
FCPR3	G1	Fruit	2	0.159612	1.00E-09	180,988	1.00E-09	0.937674	1.00E-09	1.00E-09	1.00E-09
FCPR4	G1	Fruit	2	0.283048	1.00E-09	201,693	0.557105	218,122	1.00E-09	239,337	1.00E-09
FCHR1	G2	Fruit	3	0.316306	1.00E-09	0.893162	1.00E-09	157,681	1.00E-09	222,062	1.00E-09
FCHR2	G2	Fruit	3	0.165998	1.00E-09	103,383	1.00E-09	19,325	0.17305	170,368	1.00E-09
FCHR3	G2	Fruit	3	1.00E-09	1.00E-09	0.518573	0.215865	263,533	1.00E-09	180,054	146,519

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	1.00E-09	1.00E-09	0.464561	1.00E-09	101,614	1.00E-09	0.68751	0.41679
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	120,241	1.00E-09	0.705937	1.00E-09	0.94433	0.40120
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	0.715379	0.460322	146,788	1.00E-09	320,952	212,364
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.019195	1.00E-09	0.159537	0.024786	0.960685	0.040759	107,916	0.72855
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	0.156703	1.00E-09	201,189	1.00E-09	0.88983	185,874
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.133156	1.00E-09	0.457623	0.759363	301,388	0.0986171	0.65142	0.45031
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	142,119	1.00E-09	0.418825	1.00E-09	281,382	1.00E-09
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.863855	1.00E-09	384,847	0.8302	380,586	0.11972	326,333	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	204,318	0.350583	270,752	1.00E-09	199,954	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.173681	0.350587	19,784	1.00E-09	113,374	0.89956
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	103,488	1.00E-09	379,559	1.00E-09	206,105	137,741
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.586345	1.00E-09	174,899	1.00E-09	0.89553	0.33932
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	185,633	0.349691	350,412	1.00E-09	211,997	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	138,076	1.00E-09	406,364	1.00E-09	271,191	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	105,538	1.00E-09
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.651963	1.00E-09	286,981	1.00E-09	0.588131	1.00E-09
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.78186	1.00E-09	305,136	0.0967465	276,197	1.00E-09

			Retention index	RI <sup>1162</sup>	RI <sup>1165</sup>	RI/* <sup>1171</sup>	RI <sup>1175</sup>	RI <sup>1177</sup>	RI <sup>1184</sup>	RI <sup>1187</sup>	RI <sup>1189</sup>
Sample code	Phenology	Organ	Maturity	3,7-dimethyl-decane	4,6,8-trimethyl-1-nonene	(E)-4,8-dimethylnona-1,3,7-triene	ethylbenzoate	cis-pinocamphone	terpinen-4-ol	p-cymen-8-ol	2-allylphenol
EFR1	G0	Flower	1	1.00E-09	0.387753	1140.29	1.00E-09	1.00E-09	0.0719744	1.00E-09	1.00E-09
EFR2	G0	Flower	1	0.214268	0.262726	477,009	1.00E-09	1.00E-09	0.0480196	0.0356373	1.00E-09
EFR3	G0	Flower	1	0.296468	0.395494	156,613	1.00E-09	1.00E-09	341,543	1.00E-09	1.00E-09
EFR4	G0	Flower	1	0.155035	0.424954	186,504	1.00E-09	0.0434394	0.0309599	1.00E-09	1.00E-09
EFR5	G0	Flower	1	0.577954	0.589396	351,877	0.0023875	0.064437	0.131067	0.0237114	1.00E-09
EFR6	G0	Flower	1	0.518332	852,646	835,745	0.0451215	0.0543278	0.108156	0.0524033	0.0226218
EFR7	G0	Flower	1	0.789813	117,591	471,109	0.0696629	0.104778	0.102473	0.0652824	0.0659887
EFR8	G0	Flower	1	0.140897	0.472924	796,638	0.0638078	0.0380366	866,318	1.00E-09	1.00E-09
EFR9	G0	Flower	1	0.726528	0.631749	535,745	0.0177714	0.0963587	0.0364087	0.0360633	0.0537046
EFR10	G0	Flower	1	1.00E-09	0.237064	2365.96	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCPR1	G1	Fruit	2	1.00E-09	1.00E-09	0.0926047	1.00E-09	1.00E-09	0.0597146	1.00E-09	1.00E-09
FCPR2	G1	Fruit	2	0.367147	0.254073	165,221	0.302982	1.00E-09	0.479521	1.00E-09	1.00E-09
FCPR3	G1	Fruit	2	0.40275	0.260116	25,386	1.00E-09	1.00E-09	0.0819079	1.00E-09	1.00E-09
FCPR4	G1	Fruit	2	1.00E-09	0.630881	230,928	0.319101	1.00E-09	0.408977	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	0.598091	0.52597	210,963	0.118917	0.0510444	0.1446	1.00E-09	0.0657669
FCHR2	G2	Fruit	3	0.306612	0.314843	486,141	0.0801734	1.00E-09	0.2576	1.00E-09	1.00E-09
FCHR3	G2	Fruit	3	1.00E-09	0.375153	147,437	0.359346	1.00E-09	0.749962	1.00E-09	0.0643229

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	1.00E-09	0.127741	120,814	0.0532536	1.00E-09	0.130864	1.00E-09	0.0013509
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.117796	0.360831	0.0439666	1.00E-09	0.086796	1.00E-09	1.00E-09
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.660784	578,325	0.536119	0.184482	0.679231	1.00E-09	0.043598
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.19308	146,196	0.0647881	0.0103749	0.21864	1.00E-09	1.00E-09
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.32411	99,091	0.156457	1.00E-09	0.318215	1.00E-09	0.46567
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.163105	221,764	0.324036	0.0456636	137,524	1.00E-09	0.133307
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.582011	137,487	0.262703	1.00E-09	0.481231	0.0597594	0.0454397
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	100,224	0.898341	12,038	0.180299	1.00E-09	0.236331	1.00E-09	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.356248	0.400073	329,188	1.00E-09	1.00E-09	0.107366	0.0449315	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.339587	311,239	0.353902	1.00E-09	0.503785	1.00E-09	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.282796	111,467	0.134612	1.00E-09	0.185064	1.00E-09	0.345834
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.356169	0.112537	394,415	1.00E-09	1.00E-09	0.250647	1.00E-09	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	118,509	0.437567	622,678	0.152551	1.00E-09	0.463016	1.00E-09	0.273246
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	140,107	0.629875	308,192	0.0712036	1.00E-09	641,732	1.00E-09	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.568088	1.00E-09	1.00E-09	0.0400535	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	116,835	0.297575	23,945	1.00E-09	1.00E-09	0.272164	1.00E-09	0.442798
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	131,104	0.521852	349,188	0.22761	1.00E-09	0.733967	0.594327	0.883503

			Retention index	RI <sup>1196</sup>	RI <sup>1199</sup>	RI <sup>1203</sup>	RI <sup>1206</sup>	RI <sup>1214</sup>	RI/ <sup>*</sup> 1227	RI <sup>1280</sup>	RI <sup>1286</sup>
Sample code	Phenology	Organ	Maturity	cryptone	2-methyl-propanoic acid hexyl ester	methyl chavicol	<i>n</i> -decanal	(-)-verbenone	benzothiazole	<i>cis</i> -verbenyl acetate	Phellandral
EFR1	G0	Flower	1	0.351285	0.0634903	1.00E-09	0.158236	0.067178	0.173709	0.174469	1.00E-09
EFR2	G0	Flower	1	1.00E-09	0.0892116	0.0598543	1.00E-09	0.027956	1.00E-09	0.278419	1.00E-09
EFR3	G0	Flower	1	1.00E-09	0.0719565	0.0466871	1.00E-09	1.00E-09	0.00352346	0.134861	1.00E-09
EFR4	G0	Flower	1	0.0037287	0.0688274	1.00E-09	1.00E-09	0.003039	1.00E-09	1.00E-09	0.001909
EFR5	G0	Flower	1	1.00E-09	0.0639206	0.03979	1.00E-09	0.045229	0.105689	0.371274	0.026610
EFR6	G0	Flower	1	0.113142	0.0603395	0.0679984	1.00E-09	0.046580	0.207034	1.00E-09	0.078674
EFR7	G0	Flower	1	1.00E-09	0.0520498	0.0514586	0.0020910	0.077757	1.00E-09	1.00E-09	0.043820
EFR8	G0	Flower	1	0.0626453	0.0918902	0.0623707	1.00E-09	0.075194	1.00E-09	0.344645	0.051103
EFR9	G0	Flower	1	0.0300647	0.100688	0.0387149	1.00E-09	0.10461	1.00E-09	0.906742	0.068268
EFR10	G0	Flower	1	0.538014	0.100059	0.0656036	1.00E-09	1.00E-09	0.24385	0.268695	0.191559
FCPR1	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.111187	1.00E-09	1.00E-09
FCPR2	G1	Fruit	2	0.031311	0.171944	0.165139	1.00E-09	1.00E-09	577,811	0.265175	1.00E-09
FCPR3	G1	Fruit	2	1.00E-09	0.0911113	0.0110647	0.0351137	1.00E-09	1.00E-09	0.299995	1.00E-09
FCPR4	G1	Fruit	2	0.0706561	0.182271	0.208483	1.00E-09	1.00E-09	0.987854	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	0.0270475	0.0811962	0.0856107	1.00E-09	0.074069	0.135583	0.078722	0.030090
FCHR2	G2	Fruit	3	0.0336593	0.0929083	0.0982734	1.00E-09	1.00E-09	0.363284	0.217967	1.00E-09
FCHR3	G2	Fruit	3	0.0074391	0.258182	0.232771	0.0690017	1.00E-09	500,205	0.186404	1.00E-09

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.0032801	0.0434404	0.0639666	1.00E-09	1.00E-09	156,335	0.0859731	1.00E-09
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0015800	0.0549292	1.00E-09	0.00224191	1.00E-09	0.123137	1.00E-09	1.00E-09
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0952832	0.39575	0.309514	0.136953	1.00E-09	0.564938	0.0408373	1.00E-09
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.1552	0.0402219	0.00141446	0.0139311	0.0672901	0.0377466	1.00E-09
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	599,679	1.00E-09	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.454936	0.332538	0.21731	1.00E-09	106,638	0.00156152	0.374919
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0724549	0.158447	0.194191	0.0813075	0.0196178	435,822	1.00E-09	1.00E-09
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.100968	0.149812	1.00E-09	1.00E-09	300,215	0.642003	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.0538341	0.0789855	1.00E-09	1.00E-09	0.351655	0.709608	0.0575907
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.30816	0.364561	1.00E-09	1.00E-09	181,932	1.00E-09	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.283867	0.138219	0.127605	0.0200079	210,557	0.520597	1.00E-09
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.108263	0.0959747	0.0831229	1.00E-09	159,405	0.281213	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.26753	0.202115	1.00E-09	1.00E-09	240,851	0.385021	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.178524	0.170252	1.00E-09	1.00E-09	260,414	0.637249	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.326555	0.123058	0.170252	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0149611	0.196508	0.123058	0.170252	0.114361	322,189	0.479495	1.00E-09
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.2808	0.140047	0.254145	1.00E-09	267,969	0.514509	1.00E-09



			Retention index	RI <sup>1291</sup>	RI <sup>1294</sup>	RI <sup>1297</sup>	RI/* <sup>1299</sup>	RI <sup>1301</sup>	RI <sup>1307</sup>	RI <sup>1319</sup>	RI <sup>1332</sup>
Sample code	Phenology	Organ	Maturity	thymol	<i>E,E</i> -2,4-decadienal	dihydroedulan II	2-methyl-pentanal	carvacrol	piperitenone	<i>trans,trans</i> -2,4-decadienal	oxalic acid allyl pentadecyl ester
EFR1	G0	Flower	1	267,874	1.00E-09	0.005753	0.063490	0.022057	0.07829	0.113899	0.0671582
EFR2	G0	Flower	1	0.142712	0.029811	1.00E-09	0.009826	1.00E-09	0.10192	0.104722	0.049317
EFR3	G0	Flower	1	0.0528775	0.097374	0.025536	0.055216	0.00482103	0.10897	0.156407	0.0811677
EFR4	G0	Flower	1	0.246036	1.00E-09	1.00E-09	0.056849	1.00E-09	0.04585	1.00E-09	1.00E-09
EFR5	G0	Flower	1	0.0341919	1.00E-09	1.00E-09	0.060260	1.00E-09	0.04448	0.091681	1.00E-09
EFR6	G0	Flower	1	0.444	1.00E-09	1.00E-09	0.058176	0.000793065	0.03344	0.066395	0.0093115
EFR7	G0	Flower	1	1.00E-09	1.00E-09	0.003824	0.047875	0.0160617	0.05990	0.076372	0.0236244
EFR8	G0	Flower	1	0.0583387	0.019899	0.001608	0.074146	0.007254	0.08346	0.12492	0.0656018
EFR9	G0	Flower	1	0.140915	1.00E-09	1.00E-09	0.093253	1.00E-09	0.09215	0.137788	0.0548756
EFR10	G0	Flower	1	974,122	1.00E-09	1.00E-09	0.079145	1.00E-09	0.11131	1.00E-09	0.0248446
FCPR1	G1	Fruit	2	1.00E-09	0.001134	0.004800	1.00E-09	1.00E-09	0.13287	0.144085	0.0936388
FCPR2	G1	Fruit	2	0.0538724	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.19587	0.232897	1.00E-09
FCPR3	G1	Fruit	2	0.0217553	1.00E-09	1.00E-09	0.043349	1.00E-09	0.08286	0.091726	0.0486656
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	1.00E-09	0.050329	1.00E-09	0.069266	1.00E-09	0.18149	0.203382	0.15238
FCHR2	G2	Fruit	3	1.00E-09	0.059402	1.00E-09	1.00E-09	0.0496605	0.07176	0.107933	1.00E-09
FCHR3	G2	Fruit	3	0.0312377	0.082283	0.081863	0.061376	0.654447	0.14902	0.195445	0.0871595

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	1.00E-09	0.012479	1.00E-09	0.014732	0.0228849	0.03676	0.033843	0.021979
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.038224	0.021878	0.021225	0.0013843	0.09738	0.049573	0.0554419
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0547444	0.278916	0.098727	0.087247	0.201856	0.18973	0.237878	0.149448
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.046203	0.039231	0.051580	1.00E-09	0.07355	0.093214	0.0624862
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.255278	0.17934	0.295724	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.00290304	175,965	0.390435	0.380764	0.195664	0.30024	0.292249	0.123032
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.088452	1.00E-09	0.077809	0.120551	0.18013	0.226408	0.128738
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.091836	0.037207	0.114333	1.00E-09	0.17053	0.252604	0.114279
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.369991	0.040931	0.008019	0.059301	0.0114435	0.13087	0.181823	0.0806193
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.077566	0.158742	0.039319	0.389875	0.25376	0.212302	0.130929
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.101725	0.16742	0.133719	0.298311	0.25183	0.284124	0.142848
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.049594	0.167424	0.133718	0.298312	0.10088	0.147895	0.0559186
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.094777	0.126097	0.228445	0.22879	0.22005	0.204966	0.0784164
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0657234	0.030118	0.168978	0.193324	0.222845	0.20239	0.232687	0.0286782
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	115,946	0.3211	0.376626	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	369,141	0.088974	0.160238	0.106326	1.00E-09	0.08517	0.144248	0.0331532
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.00779191	0.032147	0.134489	0.071908	0.151973	0.15855	0.135134	1.00E-09

			Retention index	RI <sup>1338</sup>	RI <sup>1351</sup>	RI <sup>1378</sup>	RI <sup>1403</sup>	RI <sup>1404</sup>	RI <sup>1409</sup>	RI/* <sup>1413</sup>
Sample code	Phenology	Organ	Maturity	dimethoxy- ( <i>E</i> )-citral	citronellyl acetate	carvacrol acetate	tetradecane	diacetyl glycerol	$\alpha$ -cedrene	$\beta$ -elemene
EFR1	G0	Flower	1	0.016790	1.00E-09	0.0237175	0.0333581	1.00E-09	1.00E-09	0.0894011
EFR2	G0	Flower	1	0.057737	0.006240	1.00E-09	0.0174141	1.00E-09	0.0664055	0.0641708
EFR3	G0	Flower	1	0.116495	270,591	0.0310803	1.00E-09	0.012934	0.0160222	0.010755
EFR4	G0	Flower	1	1.00E-09	1.00E-09	0.0232668	1.00E-09	0.000864	0.0549761	0.824593
EFR5	G0	Flower	1	0.011502	0.049120	1.00E-09	0.0555516	301,415	0.0757456	0.00249997
EFR6	G0	Flower	1	0.011424	0.023231	0.0111362	1.00E-09	906,363	1.00E-09	1.00E-09
EFR7	G0	Flower	1	0.035115	0.028437	1.00E-09	1.00E-09	1.00E-09	0.00318615	0.0813759
EFR8	G0	Flower	1	1.00E-09	395,993	1.00E-09	1.00E-09	252,032	0.0413913	1.00E-09
EFR9	G0	Flower	1	0.012006	0.008048	0.0261883	1.00E-09	248,753	1.00E-09	0.0247077
EFR10	G0	Flower	1	0.015511	1.00E-09	1.00E-09	1.00E-09	302,885	1.00E-09	0.044002
FCPR1	G1	Fruit	2	0.089926	1.00E-09	1.00E-09	1.00E-09	0.002554	0.046804	1.00E-09
FCPR2	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	0.191334	1.00E-09	0.212705	439,743
FCPR3	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.0636097
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	12,998
FCHR1	G2	Fruit	3	0.049215	0.064257	1.00E-09	0.0625243	1.00E-09	0.0647795	0.0554166
FCHR2	G2	Fruit	3	0.054889	0.088255	1.00E-09	0.069171	285,212	0.112931	0.137875
FCHR3	G2	Fruit	3	0.129903	0.146705	0.00821527	0.437995	0.058682	0.374278	0.460367

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.022857	0.055471	1.00E-09	0.0946255	1.00E-09	0.0832792	0.0656214
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.020494	0.020745	0.0167421	1.00E-09	252,588	0.0308228	1.00E-09
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.287979	0.058153	0.0310226	0.814077	1.00E-09	0.780787	0.202321
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.047777	0.069798	0.00637506	0.11291	1.00E-09	0.0805672	0.0486553
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.24455	0.079609	1.00E-09	0.471934	1.00E-09	0.587329	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	196,309	109,015	0.183845	0.219346	376,606	0.864166	0.0722395
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.113113	0.151535	0.023295	0.248956	342,389	1.00E-09	0.264964
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.108472	0.084235	1.00E-09	0.12482	0.049635	1.00E-09	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.030182	1.00E-09	1.00E-09	447,243	0.0454203	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.080627	0.237665	0.449609	1.00E-09	405,049	0.522055	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.109054	0.17327	1.00E-09	0.647802	294,065	0.724647	0.273645
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.051971	0.12004	1.00E-09	0.340669	157,329	0.482351	0.186802
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.079464	0.0687097	1.00E-09	0.730408	844,528	0.772457	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.083440	0.0384045	1.00E-09	0.527426	346,436	0.689496	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	161,525	0.210011	0.651855	322,344	0.537699	0.153982
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.006332	0.142555	1.00E-09	0.596049	401,798	0.864166	0.181944
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.063153	0.0891381	1.00E-09	0.50579	213,379	0.639272	0.170724

			Retention index	RI <sup>1415</sup>	RI <sup>1416</sup>	RI/ <sup>*</sup> 1420	RI <sup>1437</sup>	RI <sup>1442</sup>	RI <sup>1447</sup>
Sample code	Phenology	Organ	Maturity	<i>cis</i> -threo-davanafuran	$\alpha$ -farnesene	( <i>E</i> )- $\beta$ -caryophyllene	humulene	$\alpha$ -guaiene	seychellene
EFR1	G0	Flower	1	0.0255308	0.0140149	0.300425	0.024114	0.117142	0.0571334
EFR2	G0	Flower	1	1.00E-09	1.00E-09	0.270343	0.0225496	1.00E-09	0.0423957
EFR3	G0	Flower	1	0.146108	1.00E-09	0.0294545	0.0608578	1.00E-09	0.0828602
EFR4	G0	Flower	1	0.0936956	1.00E-09	0.181783	0.0608578	1.00E-09	0.0644218
EFR5	G0	Flower	1	0.0202401	1.00E-09	0.170571	0.0368824	1.00E-09	0.101921
EFR6	G0	Flower	1	0.0401912	0.0153788	0.0995547	1.00E-09	0.0971422	0.0361316
EFR7	G0	Flower	1	0.0505737	0.0175377	0.445411	0.0341708	1.00E-09	0.0409478
EFR8	G0	Flower	1	0.0711762	0.0109565	0.121034	0.0160275	0.0570389	0.0626911
EFR9	G0	Flower	1	0.0761017	0.0158601	0.198541	1.00E-09	0.13366	0.0431835
EFR10	G0	Flower	1	0.0660228	1.00E-09	0.272048	0.0518485	0.980415	0.0357047
FCPR1	G1	Fruit	2	0.110647	1.00E-09	0.62039	1.00E-09	0.297176	0.0759436
FCPR2	G1	Fruit	2	0.202227	0.2735	154,834	160,881	1.00E-09	0.165278
FCPR3	G1	Fruit	2	0.0696398	1.00E-09	0.907135	0.0485933	1.00E-09	0.0714389
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	669,364	0.581476	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	0.0731704	0.041232	0.107541	0.0414241	1.00E-09	0.0864136
FCHR2	G2	Fruit	3	0.0955433	0.0590257	0.881867	0.0853526	0.107775	0.0616562
FCHR3	G2	Fruit	3	0.286086	0.233067	316,199	0.299745	1.00E-09	0.18917

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.0457834	0.0794539	0.477777	0.0381447	1.00E-09	0.0376349
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0304033	0.0289398	0.00372409	0.0165324	0.207803	0.0389981
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.363661	0.240438	0.421258	0.0890672	1.00E-09	0.332157
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0824854	0.0373096	0.0482983	0.0324191	1.00E-09	0.0599476
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.269952	0.309016	0.268719	1.00E-09	1.00E-09	0.404114
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	210,911	0.289476	0.341433	0.214708	0.0190876	0.304452
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.283775	0.253861	0.270039	0.0558558	0.119243	0.181106
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.159788	0.159647	0.174024	3.49E-06	1.00E-09	0.125584
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.157045	1.00E-09	0.0277846	0.02177	0.21149	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.617135	0.323704	0.223067	0.108734	0.535033	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.310418	0.276717	146,816	0.197221	0.064038	0.192214
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.227477	1.00E-09	102,677	0.112343	1.00E-09	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.360381	0.285673	0.966434	0.148744	1.00E-09	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.392502	0.266432	0.526147	0.113596	1.00E-09	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	121,166	0.230715	1.00E-09	0.320482	1.00E-09	0.0744345
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.416924	0.300585	0.393417	0.161828	1.00E-09	1.00E-09
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.417833	0.125837	0.534909	0.17889	0.0677432	0.165557

			Retention index	RI <sup>1460</sup>	RI <sup>1472</sup>	RI <sup>1487</sup>	RI <sup>1500</sup>	RI <sup>1502</sup>	RI <sup>1508</sup>	RI <sup>1521</sup>
Sample code	Phenology	Organ	Maturity	1,5-bis(1,1-dimethylethyl)-3,3-dimethyl-bicyclo[3.1.0]hexan-2-one	germacrene D	$\beta$ -selinene	$\gamma$ -elemene	$\alpha$ -muurolene	$\alpha$ -bulnesene	$\gamma$ -cadinene
EFR1	G0	Flower	1	0.0251095	0.0738538	0.0164891	0.058351	0.0188517	0.025154	0.739281
EFR2	G0	Flower	1	0.00696072	0.0032263	1.00E-09	0.029934	1.00E-09	0.008494	0.662334
EFR3	G0	Flower	1	0.0582114	0.100236	0.0684689	0.125537	0.0890045	138,427	0.656507
EFR4	G0	Flower	1	0.0254303	1.00E-09	0.0281256	0.031455	0.0141716	1.00E-09	367,062
EFR5	G0	Flower	1	0.0419628	0.103823	1.00E-09	0.044156	0.0337215	0.024825	0.397833
EFR6	G0	Flower	1	0.0122731	0.0266481	1.00E-09	0.024440	0.0150183	1.00E-09	0.175545
EFR7	G0	Flower	1	0.034028	0.0463599	0.0122566	0.042142	0.0143436	1.00E-09	0.424631
EFR8	G0	Flower	1	0.0842517	0.121707	0.0466957	0.054022	0.0220778	204,268	0.713625
EFR9	G0	Flower	1	0.023586	0.162182	0.0251923	0.040029	0.0259819	0.008887	0.766212
EFR10	G0	Flower	1	0.0899261	0.112263	0.0066442	0.040029	0.0064069	0.249126	0.698108
FCPR1	G1	Fruit	2	0.580369	0.0452374	1.00E-09	0.170115	0.0328592	0.215638	0.394496
FCPR2	G1	Fruit	2	0.562839	132,259	1.00E-09	0.620776	0.464853	1.00E-09	0.859164
FCPR3	G1	Fruit	2	1.00E-09	0.0887065	1.00E-09	0.052733	1.00E-09	1.00E-09	0.592531
FCPR4	G1	Fruit	2	1.00E-09	0.303316	1.00E-09	0.295055	0.282371	1.00E-09	0.628378
FCHR1	G2	Fruit	3	0.078576	0.121303	0.0326376	0.064595	0.0488084	0.028899	0.689315
FCHR2	G2	Fruit	3	1.00E-09	0.0824138	1.00E-09	0.087316	0.0557513	1.00E-09	0.381452
FCHR3	G2	Fruit	3	0.971922	0.137604	0.0376711	0.239254	0.216816	0.107039	107,695

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.228678	0.0471265	1.00E-09	0.028362	0.0264591	1.00E-09	0.258894
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.0867308	0.0283199	0.045863	0.0313075	0.018284	0.235951
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.171396	0.246218	0.0647428	0.169083	0.400228	0.092947	0.940153
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0274885	0.0580827	1.00E-09	0.078989	0.0492758	0.025597	0.529867
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	111,776	1.00E-09	1.00E-09	0.140254	0.145334	0.25841	161,493
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.028901	0.328527	0.315176	179,041	20,415	716,926	689,083
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.373537	0.18506	0.0623161	0.144779	0.148451	0.074185	0.730193
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.163061	0.158385	1.00E-09	0.167694	0.0928748	0.044200	108,618
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0998784	0.0870583	1.00E-09	0.0596041	0.0629298	1.00E-09	0.721174
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	121,057	1.00E-09	1.00E-09	1.00E-09	0.396286	0.123743	0.920394
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	185,723	0.258002	0.0599379	0.208979	0.307075	0.168677	133,588
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	117,183	1.00E-09	1.00E-09	1.00E-09	0.138864	0.133379	0.671733
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	219,225	1.00E-09	1.00E-09	1.00E-09	0.201311	0.101087	105,293
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	219,968	1.00E-09	1.00E-09	1.00E-09	0.270228	0.113375	108,752
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	225,842	0.424968	0.142952	110,146	108,974	101,258	813,786
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	283,022	0.11542	0.072619	0.168534	0.299194	0.174382	106,974
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	256,398	0.0999694	0.0341426	0.117218	0.302352	0.119776	0.798877



			Retention index	RI <sup>1539</sup>	RI <sup>1555</sup>	RI <sup>1566</sup>	RI/ <sup>*</sup> 1581	RI <sup>1599</sup>	RI <sup>1609</sup>	RI <sup>1612</sup>
Sample code	Phenology	Organ	Maturity	$\delta$ -cadinene	cis- $\alpha$ -copaen-8-ol	<i>n</i> -dodecanoic acid	nerolidol	isocyperol	4,4,5,7,8-pentamethyl dihydrocoumarin	hummulene epoxide II
EFR1	G0	Flower	1	0.139955	0.108711	0.234486	0.214411	0.283792	1.00E-09	1.00E-09
EFR2	G0	Flower	1	0.124578	0.124134	0.256881	0.204781	0.188827	1.00E-09	1.00E-09
EFR3	G0	Flower	1	0.158514	0.133912	0.395725	0.280461	0.0265464	0.0293878	1.00E-09
EFR4	G0	Flower	1	0.116884	0.0896224	0.190328	0.159664	0.0588438	0.00896224	1.00E-09
EFR5	G0	Flower	1	0.0691046	0.0602703	0.151052	0.137667	0.135096	0.221598	1.00E-09
EFR6	G0	Flower	1	0.0396144	0.0260602	0.0940864	0.0822625	0.0145913	0.329666	0.0834715
EFR7	G0	Flower	1	0.0997548	0.0779001	0.163906	0.125022	0.147051	1.00E-09	1.00E-09
EFR8	G0	Flower	1	0.128449	0.118682	0.275428	0.233304	0.0832265	0.410407	0.0434279
EFR9	G0	Flower	1	0.117724	0.115476	0.239889	0.226582	0.0643513	0.15756	0.0414293
EFR10	G0	Flower	1	0.134498	0.133224	0.248754	0.229976	0.0499027	0.217843	0.0225745
FCPR1	G1	Fruit	2	0.199679	0.148384	0.334396	0.309192	0.13227	0.027002	1.00E-09
FCPR2	G1	Fruit	2	141,786	1.00E-09	0.335064	104,453	0.292364	0.248591	1.00E-09
FCPR3	G1	Fruit	2	0.136513	0.0806965	0.105097	0.157063	0.116633	0.0357556	1.00E-09
FCPR4	G1	Fruit	2	0.634179	1.00E-09	1.00E-09	0.46939	1.00E-09	113,535	1.00E-09
FCHR1	G2	Fruit	3	0.168213	0.151001	0.309813	0.26807	0.201596	0.498077	1.00E-09
FCHR2	G2	Fruit	3	0.1568	0.119421	0.244334	0.178937	0.150637	116,372	0.0693615
FCHR3	G2	Fruit	3	0.353246	0.123273	0.377165	0.423625	0.104164	0.738574	0.0145612

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.073817	0.0255514	0.0638804	0.0592453	0.0280708	0.0948314	1.00E-09
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.111914	0.110003	0.215168	0.191061	0.152445	0.131723	0.0424472
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.366761	0.222582	0.398013	0.382499	0.246436	452,839	0.0731283
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.12202	0.111879	0.254308	0.21044	0.181114	0.25191	1.00E-09
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.254069	1.00E-09	0.299472	0.454819	1.00E-09	0.880093	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.53997	0.119439	22,564	155,146	11,427	276,725	0.267878
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.235916	0.23975	0.424813	0.358794	0.143334	0.761793	1.00E-09
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.231698	0.208743	0.436691	0.390635	0.282652	0.426579	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.156614	0.145936	0.311561	0.277166	0.138435	101,679	0.0544388
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.41	0.473574	1.00E-09	147,638	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.433958	0.239444	0.453516	0.415708	0.350163	154,201	0.107297
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.27362	1.00E-09	0.291413	0.232672	1.00E-09	0.786278	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.330137	1.00E-09	0.35834	0.293948	1.00E-09	192,275	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.337779	1.00E-09	0.370024	0.319324	1.00E-09	143,212	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.450485	0.0387499	196,397	0.790155	0.465243	178,156	0.1529
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.310626	0.153007	0.315553	0.388466	0.21251	16,245	0.0761188
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.252968	0.1139	0.276824	0.350967	0.116342	151,607	0.0359086

			Retention index	RI <sup>1616</sup>	RI <sup>1619</sup>	RI <sup>1624</sup>	RI <sup>1640</sup>	RI <sup>1658</sup>	RI <sup>1681</sup>	RI <sup>1693</sup>	RI <sup>1701</sup>
Sample code	Phenology	Organ	Maturity	$\tau$ -cadinol	1,10-diepi-cubenol	<i>epi</i> -1-cubenol	benzophenone	$\beta$ -eudesmol	tetradecanol	$\alpha$ -bisabolol	geranyl tiglate
EFR1	G0	Flower	1	0.10563	1.00E-09	1.00E-09	0.15872	1.00E-09	0.0389632	0.0940149	0.0278728
EFR2	G0	Flower	1	0.11739	1.00E-09	1.00E-09	0.147798	1.00E-09	1.00E-09	0.0363082	0.0433528
EFR3	G0	Flower	1	0.107427	1.00E-09	1.00E-09	0.396904	1.00E-09	0.0623093	0.0625247	0.00594936
EFR4	G0	Flower	1	0.138815	1.00E-09	1.00E-09	0.232505	1.00E-09	0.0172718	0.162819	0.0187343
EFR5	G0	Flower	1	0.0830871	0.0749788	0.00444781	0.0389669	0.0340283	0.0177299	0.0275099	0.0123721
EFR6	G0	Flower	1	0.0550321	0.122409	0.0677489	0.136951	1.00E-09	0.00323881	0.0356103	0.0814639
EFR7	G0	Flower	1	0.0724007	1.00E-09	1.00E-09	0.0901844	1.00E-09	0.050419	0.0258225	1.00E-09
EFR8	G0	Flower	1	0.1	0.157643	0.0658947	0.0652311	0.079332	0.0817529	0.054032	0.0706636
EFR9	G0	Flower	1	0.0653697	0.0540052	0.0167933	0.0695468	0.038338	0.0589763	0.0998134	0.0060928
EFR10	G0	Flower	1	0.0879012	0.121383	1.00E-09	0.0478857	1.00E-09	0.00556057	0.0417636	1.00E-09
FCPR1	G1	Fruit	2	0.0609571	1.00E-09	1.00E-09	0.0381146	1.00E-09	0.0703873	0.137078	0.0627706
FCPR2	G1	Fruit	2	0.289203	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCPR3	G1	Fruit	2	0.0857231	1.00E-09	1.00E-09	0.0792771	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCPR4	G1	Fruit	2	0.26538	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	1.00E-09	1.00E-09	1.00E-09	0.0975285	1.00E-09	0.067369	0.0516361	1.00E-09
FCHR2	G2	Fruit	3	0.147539	0.254044	0.12592	0.0935523	0.083552	1.00E-09	1.00E-09	1.00E-09
FCHR3	G2	Fruit	3	0.45485	0.091483	0.0171575	0.115008	1.00E-09	0.0250558	0.0633335	0.0860827

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.0782971	1.00E-09	1.00E-09	0.0412386	1.00E-09	0.0125286	0.019291	0.0123267
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0759314	0.031587	1.00E-09	0.0241343	0.005141	0.0494805	0.0223352	0.0040736 6
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.689476	0.018171	1.00E-09	0.0446599	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.178141	0.023548	1.00E-09	0.0736117	1.00E-09	0.0783889	0.0359018	1.00E-09
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.772911	1.00E-09	1.00E-09	0.308548	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	12,434	0.376752	0.165551	0.196945	0.089528	0.155824	0.193619	0.400615
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	0.180677	0.12579	0.0590472	0.123171	0.127788
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.193879	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.106292	0.278376	0.176722	0.0724114	0.12485	1.00E-09	0.0744634	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.802611	0.392099	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.566477	0.269588	0.0979106	0.166913	1.00E-09	0.121897	0.0888032	0.0729669
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.293074	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.484847	0.541911	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.518968	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.752774	0.295442	0.0552114	0.0720463	0.115984	0.211778	0.0502816	0.450208
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.635015	0.225727	0.0903792	0.178403	0.119344	0.0904794	0.121306	0.0815817
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.573683	0.261438	0.156844	0.160614	0.065710	0.0288572	0.0806784	0.0422768

			Retention index	RI <sup>1713</sup>	RI <sup>1722</sup>	RI <sup>1766</sup>	RI <sup>1775</sup>	RI <sup>1779</sup>	RI <sup>1789</sup>	RI <sup>1795</sup>	RI <sup>1809</sup>
Sample code	Phenology	Organ	Maturity	tetradecanal	methyl tetradecanoate	12-hydroxy sesquicineole	tetradecanoic acid	phenantrene	aristolone	4-hydroxy coumarin	2,6,10,14-tetramethyl-hexadecane
EFR1	G0	Flower	1	0.0318422	0.0779678	0.109426	0.0797315	0.0692978	0.0459645	0.294506	0.213771
EFR2	G0	Flower	1	0.0274827	1.00E-09	0.102255	0.149549	0.140255	0.0776877	0.329201	0.251114
EFR3	G0	Flower	1	0.0506773	0.0552572	0.228445	0.215141	0.136563	0.0662123	0.35512	0.282969
EFR4	G0	Flower	1	0.0238953	0.0532054	0.0594602	0.133436	0.0866914	0.00579554	0.158667	0.161477
EFR5	G0	Flower	1	0.0337522	1.00E-09	0.0662979	0.0365845	1.00E-09	1.00E-09	0.202145	1.00E-09
EFR6	G0	Flower	1	0.0774154	0.136551	1.00E-09	0.0186786	0.0178967	1.00E-09	0.104768	1.00E-09
EFR7	G0	Flower	1	1.00E-09	0.00310283	0.0715317	0.0784516	0.0748726	0.0519109	0.220595	0.13681
EFR8	G0	Flower	1	0.217977	0.146064	0.130833	0.0717895	0.0798947	0.0646636	0.382636	1.00E-09
EFR9	G0	Flower	1	0.0782463	0.133108	0.147829	0.0543686	0.0942275	1.00E-09	0.376138	0.391308
EFR10	G0	Flower	1	0.051453	0.0578837	0.121953	0.0410596	0.0852119	1.00E-09	0.275276	1.00E-09
FCPR1	G1	Fruit	2	0.0287924	0.0608259	0.205806	0.764985	1.00E-09	0.426074	0.606962	0.598157
FCPR2	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.373873	0.257238
FCPR3	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	0.0753445	0.0807055	1.00E-09	0.142516	0.127527
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	0.0278697	0.051348	0.145326	0.0449472	0.0791446	0.0715913	0.432245	0.292562
FCHR2	G2	Fruit	3	0.151285	0.102532	0.148238	0.0719148	0.0784455	0.0532479	0.325002	0.411343
FCHR3	G2	Fruit	3	0.237374	1.00E-09	0.0998131	0.1382	0.101989	0.0332601	0.270054	0.234018

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.0370173	0.0413327	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.0750757	0.0581905
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0218691	0.0859664	0.106689	0.101497	0.130343	0.015493	0.26889	0.234366
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.00087242	0.0514441	1.00E-09	1.00E-09	1.00E-09	0.00297312	1.00E-09	1.00E-09
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.060458	0.136989	0.129189	0.0692983	0.0508003	0.0448589	0.32824	0.279852
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.365665	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.598599	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	148,052	0.540474	208,991	11,097	0.072563	0.425064	0.417813	0.0636986
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.23718	0.0714833	0.232379	0.130244	0.179497	0.0839288	0.544735	1.00E-09
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.137901	1.00E-09	0.188411	0.132764	1.00E-09	1.00E-09	0.505256	0.418743
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.199069	0.0680694	0.154401	0.0594369	0.0835976	1.00E-09	0.385935	0.370773
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.40449	0.490071	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.693802
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.362034	0.145977	0.256052	0.163792	0.195271	0.072024	0.599264	0.852523
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.215321	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.347847	0.36095
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.273315	0.247111	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.44724	0.521388
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.344976	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.425279	0.529481
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	171,401	0.599772	239,474	109,043	1.00E-09	0.466429	0.441545	0.0223593
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.301401	0.242271	0.152271	0.0979088	0.0913308	0.071615	0.420155	0.515337
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.345395	0.31263	0.112395	0.0485846	0.0589749	0.0111144	0.267932	1.00E-09

			Retention index	RI <sup>1827</sup>	RI <sup>1844</sup>	RI <sup>1860</sup>	RI <sup>1900</sup>	RI <sup>1905</sup>	RI <sup>1909</sup>	RI <sup>1931</sup>	RI <sup>1962</sup>
Sample code	Phenology	Organ	Maturity	isopropyl tetradecanoate	eudesm-7(11)-en-4-ol acetate	Pentadecanoic acid	nonadecane	11-hexadecenoic acid methyl ester	evodione	hexadecanoic acid methyl ester	(Z,Z)-geranyl linalool
EFR1	G0	Flower	1	0.129054	0.202701	1.00E-09	0.0714746	1.00E-09	0.0118835	1.00E-09	0.00747212
EFR2	G0	Flower	1	0.155514	0.202892	1.00E-09	0.0161068	0.0393273	1.00E-09	0.00162302	0.0146565
EFR3	G0	Flower	1	0.185579	0.236138	1.00E-09	0.0358705	0.0262439	0.0131655	0.0323214	0.0227614
EFR4	G0	Flower	1	1.00E-09	0.231513	0.0401699	0.0355951	0.0188672	0.0222455	1.00E-09	1.00E-09
EFR5	G0	Flower	1	0.107412	0.137361	0.0168914	0.0590178	0.00121164	0.0307308	0.0290897	0.044018
EFR6	G0	Flower	1	0.0550265	0.103409	0.043663	0.0796171	1.00E-09	1.00E-09	1.00E-09	1.00E-09
EFR7	G0	Flower	1	0.128085	0.16228	1.00E-09	0.0104036	0.00307506	0.0148198	0.00793166	0.0189106
EFR8	G0	Flower	1	0.180636	0.22859	0.0266316	0.0429703	1.00E-09	0.0364256	0.0205217	0.0175332
EFR9	G0	Flower	1	0.182829	0.233097	0.0463152	0.0303249	1.00E-09	1.00E-09	0.0142808	1.00E-09
EFR10	G0	Flower	1	0.137053	0.145587	0.0583899	0.0764083	1.00E-09	1.00E-09	0.0140477	0.00576622
FCPR1	G1	Fruit	2	0.560359	0.314216	1.00E-09	0.0512799	1.00E-09	1.00E-09	1.00E-09	0.00467654
FCPR2	G1	Fruit	2	0.212183	0.317669	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCPR3	G1	Fruit	2	1.00E-09	0.111715	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	0.20913	0.23849	1.00E-09	0.0482552	0.0547712	0.0615215	1.00E-09	0.0237626
FCHR2	G2	Fruit	3	0.140728	0.17422	1.00E-09	0.0854705	1.00E-09	1.00E-09	1.00E-09	1.00E-09

<b>FCHR3</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.171969	0.27511	1.00E-09	0.168771	1.00E-09	1.00E-09	0.0679905	0.0106367
<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.0370114	0.0547358	0.00213516	0.0345665	1.00E-09	0.015061 <sub>8</sub>	1.00E-09	1.00E-09
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.147416	0.192651	0.0217573	1.00E-09	1.00E-09	1.00E-09	0.00502449	0.00542533
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	1.00E-09	0.0644443	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.21868	0.233539	1.00E-09	0.113447	1.00E-09	0.029810 <sub>3</sub>	1.00E-09	1.00E-09
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.350967	0.303714	1.00E-09	0.22371	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0341938	0.492762	1.00E-09	0.124956	0.0237678	141,866	0.547786	1.00E-09
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.267815	0.440066	0.0671882	0.105008	1.00E-09	1.00E-09	0.0160699	0.0171443
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.315772	0.356897	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.141323	0.285046	1.00E-09	0.0851414	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.38429	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.186835	0.379756	0.0961177	0.322697	0.0177149	0.059666 <sub>4</sub>	0.0099075	1.00E-09
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.199884	0.260735	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	0.292177	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.378186	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.574604	1.00E-09	0.303158	0.734963	0.316499	0.296198	1.00E-09
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.201753	0.30114	0.197619	0.211552	1.00E-09	1.00E-09	0.0835021	1.00E-09
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.120943	0.251268	0.109254	0.165988	1.00E-09	1.00E-09	1.00E-09	1.00E-09



				Retention index	RI <sup>1977</sup>	RI <sup>1989</sup>	RI <sup>1995</sup>	2013	RI <sup>2017</sup>	RI <sup>2020</sup>	RI <sup>2045</sup>	RI <sup>2077</sup>
Sample code	Phenology	Organ	Maturity	bifloratriene	catalponol	ethyl hexadecanoate	unknown	juvabione	warburganal	canellal	octadecanol acetate	
EFR1	G0	Flower	1	0.0319496	0.122714	0.017976	0.026014	0.0344486	1.00E-09	0.0844527	0.030252	
EFR2	G0	Flower	1	0.105516	0.048725	0.0285927	0.0763952	0.0424303	1.00E-09	0.115727	0.0279958	
EFR3	G0	Flower	1	0.0772237	0.0989337	1.00E-09	555,363	0.0283159	1.00E-09	0.00397479	0.0475538	
EFR4	G0	Flower	1	1.00E-09	1.00E-09	0.156885	1.00E-09	1.00E-09	1.00E-09	0.0364291	0.0421582	
EFR5	G0	Flower	1	0.0326428	1.00E-09	0.0527142	0.0134661	1.00E-09	1.00E-09	1.00E-09	0.00179957	
EFR6	G0	Flower	1	1.00E-09	0.243682	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.0052187	0.00682147	
EFR7	G0	Flower	1	1.00E-09	0.0713572	0.0585927	0.0394163	0.0126176	0.0581721	1.00E-09	0.01824	
EFR8	G0	Flower	1	0.0748055	0.104618	0.0446773	0.883538	0.0334142	0.0495835	0.0687002	0.0196018	
EFR9	G0	Flower	1	0.0842852	0.147071	0.0264261	1.00E-09	0.0313658	1.00E-09	1.00E-09	0.0669311	
EFR10	G0	Flower	1	0.103159	0.0351273	0.0461456	0.0413681	0.00764874	0.0538339	0.016658	0.0359341	
FCPR1	G1	Fruit	2	0.00708426	0.0898189	0.0592825	0.105986	1.00E-09	1.00E-09	0.113726	0.0430149	
FCPR2	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	
FCPR3	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	
FCHR1	G2	Fruit	3	0.0792829	0.058421	0.0381738	0.151865	0.0403791	0.105627	0.102285	0.0590972	
FCHR2	G2	Fruit	3	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.0585087	1.00E-09	1.00E-09	
FCHR3	G2	Fruit	3	0.0697888	0.268376	1.00E-09	0.0366872	0.0275427	0.0426615	1.00E-09	0.00738992	

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.00690153	0.146528	1.00E-09	0.0215653	1.00E-09	1.00E-09	1.00E-09	0.0092955
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0194315	1.00E-09	0.0272618	0.044498	0.0224051	0.0133443	1.00E-09	0.0171103
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.459163	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.164279	1.00E-09
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.119928	107,888	1.00E-09	0.0568318	1.00E-09	0.176006	0.326366	0.157078
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.285957	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.239132	0.468196	134,708	486,152	1.00E-09	0.0491446	0.250804	0.297728
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.078107	0.191649	0.147811	0.0824784	0.111524	0.113418	0.121575	0.077845
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.178863	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0698062	0.0812369	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.123016	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0197221	0.243366	0.0483946	1.00E-09	1.00E-09	0.0877889	0.0620094	0.0361656
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.849679	594,197	1.00E-09	0.276433	0.0451809	1.00E-09
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0875608	0.567646	1.00E-09	1.00E-09	0.0698364	0.00618734	0.117991	0.0811624
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0613761	0.144691	0.0335601	0.0266928	0.00965348	0.0293096	0.0217115	1.00E-09

			Retention index	RI <sup>2155</sup>	RI <sup>2183</sup>	RI <sup>2197</sup>	2210	RI <sup>2214</sup>	RI <sup>2222</sup>	RI <sup>2230</sup>	RI <sup>2248</sup>
Sample code	Phenology	Organ	Maturity	oroselone	octadecanoic acid	ethyl octadecanoate	unknown	retene	sclareol	(Z)-methyl communate	isoeugenyl phenylacetate
EFR1	G0	Flower	1	0.0287526	1.00E-09	0.0750434	0.0652829	0.140549	0.0543288	140,602	0.11152
EFR2	G0	Flower	1	0.0523558	1.00E-09	0.0464656	0.0697256	0.0757391	0.126709	121,937	0.122979
EFR3	G0	Flower	1	48,704	0.0309315	0.0222178	0.097749	0.108519	0.0248488	0.777443	0.138461
EFR4	G0	Flower	1	0.0183596	0.0512473	1.00E-09	0.0944571	0.133443	0.0374081	119,953	0.109505
EFR5	G0	Flower	1	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.0436959	1.00E-09	0.142846
EFR6	G0	Flower	1	1.00E-09	0.0247237	1.00E-09	0.013765	0.00565683	0.00856289	0.174097	0.0279902
EFR7	G0	Flower	1	1.00E-09	1.00E-09	1.00E-09	0.0319647	0.0781659	1.00E-09	0.697696	0.0955846
EFR8	G0	Flower	1	0.721309	1.00E-09	0.0524668	1.00E-09	0.172911	0.058476	0.205167	0.149995
EFR9	G0	Flower	1	1.00E-09	0.0576259	0.0787622	0.0802024	0.00566209	1.00E-09	0.115516	0.13995
EFR10	G0	Flower	1	1.00E-09	1.00E-09	0.0390268	0.0738772	1.00E-09	0.0361951	0.103618	0.133367
FCPR1	G1	Fruit	2	1.00E-09	1.00E-09	0.110176	0.150521	0.16141	0.127223	0.493591	0.301421
FCPR2	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.771428	1.00E-09
FCPR3	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	0.0303403	0.0493527	1.00E-09	0.471721	1.00E-09
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.546517	1.00E-09
FCHR1	G2	Fruit	3	1.00E-09	0.0280694	0.095473	0.0856913	0.110049	0.0673459	0.840769	0.166523
FCHR2	G2	Fruit	3	1.00E-09	1.00E-09	0.0592979	0.0532388	0.0910579	1.00E-09	0.106609	0.0876384
FCHR3	G2	Fruit	3	1.00E-09	0.0453562	1.00E-09	0.0413496	0.0786764	1.00E-09	0.930302	0.114795

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	1.00E-09	1.00E-09	0.0192125	0.00843281	0.0214418	0.00265082	0.378732	0.0261003
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.0241483	1.00E-09	0.0553813	1.00E-09	0.0338477	0.0180658	0.108148
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.151434	1.00E-09	0.152295	1.00E-09
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.00429341	0.0926869	0.0545199	0.080674	0.044572	0.524439	0.118841
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	175,269	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.7005	0.240918	241,719	0.989345	1.00E-09	0.209204
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.0379755	0.135249	0.0250778	0.0561599	0.136859	0.339339	0.224308
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.121953	1.00E-09	0.916126	0.212477
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	0.0526891	0.0514991	0.089567	0.115658	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	0.0867531	0.0612093	0.108925	0.0797886	0.205864
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	578,226	0.138891	0.516296	1.00E-09	543,463	105,478	1.00E-09	0.814461
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.0548753	1.00E-09	1.00E-09	0.0769041	1.00E-09	0.204875	0.114055
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	0.0745362	0.0579202	1.00E-09	0.141619	0.0796862

			Retention index	RI <sup>2257</sup>	RI <sup>2274</sup>	RI <sup>2288</sup>	RI <sup>2299</sup>	RI <sup>2300</sup>	RI <sup>2371</sup>	RI <sup>2402</sup>	RI <sup>2450</sup>
Sample code	Phenology	Organ	Maturity	( <i>E</i> )-methyl communate	abietal	11-tricosene	4- <i>epi</i> -abietal	tricosane	3 $\alpha$ -acetoxy manool	tetracosane	ferruginol
EFR1	G0	Flower	1	1.00E-09	1.00E-09	0.103404	0.0645849	1.00E-09	161,306	0.0857497	0.088261
EFR2	G0	Flower	1	0.0022742	0.0164127	0.0778554	0.0252135	1.00E-09	188,373	0.148834	0.0486461
EFR3	G0	Flower	1	1.00E-09	1.00E-09	0.0570985	511,324	0.0817678	133,716	0.180045	0.0534365
EFR4	G0	Flower	1	0.0515979	1.00E-09	1.00E-09	0.0842197	1.00E-09	0.86188	0.135975	0.0225537
EFR5	G0	Flower	1	1.00E-09	1.00E-09	0.0446775	1.00E-09	1.00E-09	1,031	0.819092	1.00E-09
EFR6	G0	Flower	1	1.00E-09	0.0019688	0.0346065	1.00E-09	1.00E-09	111,005	0.0391597	1.00E-09
EFR7	G0	Flower	1	0.0193193	1.00E-09	0.0443403	1.00E-09	1.00E-09	0.879898	0.32959	0.0326868
EFR8	G0	Flower	1	0.041611	1.00E-09	0.0563066	0.829295	0.133263	440,199	0.267327	0.0598535
EFR9	G0	Flower	1	1.00E-09	1.00E-09	0.0737417	1.00E-09	0.0184848	162,579	0.0918945	0.0317113
EFR10	G0	Flower	1	0.0079888	0.0363533	0.0621708	1.00E-09	1.00E-09	153,637	0.0984924	1.00E-09
FCPR1	G1	Fruit	2	0.0934459	1.00E-09	0.16577	1.00E-09	0.164042	0.76047	0.221225	0.157436
FCPR2	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.712395	1.00E-09	1.00E-09
FCPR3	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.0306657	0.434781	0.0617293	1.00E-09
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.635369	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	0.0368522	0.0340898	0.0628124	0.0214497	1.00E-09	160,779	0.0662125	0.0734316
FCHR2	G2	Fruit	3	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	317,118	0.107045	0.0512796
FCHR3	G2	Fruit	3	0.0184092	0.0260779	0.0440279	0.026466	1.00E-09	140,539	0.116216	1.00E-09

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.00433503	1.00E-09	0.0174244	1.00E-09	0.0128992	436,379	0.0368663	1.00E-09
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.0274483	0.0274063	1.00E-09	1.00E-09	194,507	0.0511538	0.0367608
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.00866107	1.00E-09	1.00E-09	0.361515	0.0995936	0.637905	1.00E-09
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.0140278	0.0652418	1.00E-09	0.0516843	0.507319	0.182111	1.00E-09
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.461996	262,151	145,817	1.00E-09
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.0826698	43,628	1.00E-09	653,689	1.00E-09	1.00E-09
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0354332	0.127191	0.106157	1.00E-09	0.0384366	378,546	0.22607	0.0816432
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.132065	1.00E-09	1.00E-09	1.00E-09	1.00E-09	146,704	0.168887	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	209,279	1.00E-09	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.0821815	1.00E-09	1.00E-09	337,153	0.0668381	1.00E-09
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.878354	1.00E-09	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	116,266	1.00E-09	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	258,703	1.00E-09	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	596,052	101.94	383,966	129,849	0.0901909
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0856926	0.0348741	1.00E-09	0.0490872	1.00E-09	258,116	0.0905245	1.00E-09
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	0.0601522	1.00E-09	1.00E-09	29,709	0.20688	0.0468984

			Retention index	<sup>RI</sup> 2467	2485	<sup>RI</sup> 2503	2536	<sup>RI</sup> 2545	<sup>RI</sup> 2602	<sup>RI</sup> 2702	2740
Sample code	Phenology	Organ	Maturity	<i>neo</i> -abietol	unknown	<i>n</i> -pentacosane	unknown	1,13-tetradecadiene	<i>n</i> -hexacosane	<i>n</i> -heptacosane	Unknown
EFR1	G0	Flower	1	0.0784304	0.00182982	0.0421479	0.046551	0.267249	0.147811	0.103887	0.11824
EFR2	G0	Flower	1	0.086449	1.00E-09	0.223794	0.0397861	0.454514	0.387398	0.428471	0.101017
EFR3	G0	Flower	1	0.101631	0.0341934	0.172803	0.0666123	0.151632	0.195401	0.178835	537,087
EFR4	G0	Flower	1	0.168862	0.0208313	0.111118	0.0745443	0.378004	0.169183	0.146121	0.0605057
EFR5	G0	Flower	1	1.00E-09	0.0658684	0.153378	1.00E-09	0.893166	1.00E-09	0.769731	1.00E-09
EFR6	G0	Flower	1	0.0876753	1.00E-09	0.0484324	1.00E-09	0.175373	0.0629461	0.0302585	0.0456928
EFR7	G0	Flower	1	1.00E-09	1.00E-09	0.0865023	1.00E-09	0.124982	0.136409	0.124403	0.0522283
EFR8	G0	Flower	1	0.174215	1.00E-09	0.199725	1.00E-09	0.373849	0.221991	0.187446	101,389
EFR9	G0	Flower	1	0.157924	1.00E-09	1.00E-09	1.00E-09	249,922	0.0923835	0.0812478	0.0928277
EFR10	G0	Flower	1	0.201707	1.00E-09	1.00E-09	1.00E-09	0.318993	0.128312	0.00654138	0.133738
FCPR1	G1	Fruit	2	0.200134	0.0526304	0.193567	1.00E-09	1.00E-09	0.368706	0.325729	0.0874189
FCPR2	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.231569	1.00E-09	1.00E-09	1.00E-09
FCPR3	G1	Fruit	2	0.0942122	1.00E-09	0.106634	1.00E-09	0.466622	0.0556269	0.107095	1.00E-09
FCPR4	G1	Fruit	2	0.372748	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
FCHR1	G2	Fruit	3	0.0329564	1.00E-09	0.034743	0.11559	1.00E-09	0.0856414	0.0341551	0.152442
FCHR2	G2	Fruit	3	0.195926	1.00E-09	0.0965727	1.00E-09	1.00E-09	0.166234	0.2072	1.00E-09
FCHR3	G2	Fruit	3	0.0637544	1.00E-09	0.0894005	1.00E-09	0.512626	0.215811	0.180091	0.0717401

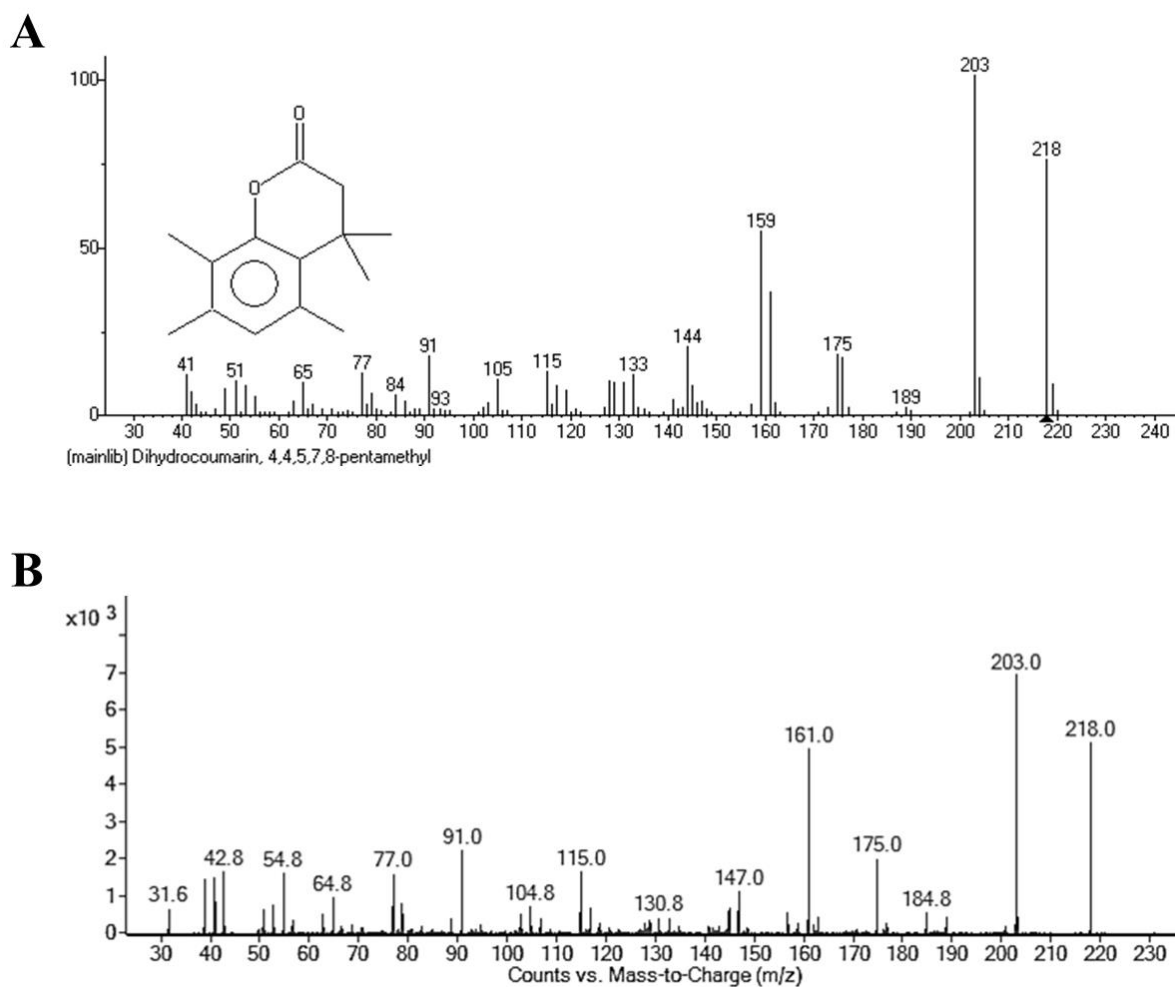
<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.0323568	1.00E-09	0.0442855	1.00E-09	0.0600727	0.0759051	0.0896748	0.023424
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.203114	1.00E-09	0.067015	1.00E-09	1.00E-09	0.135913	0.0927247	0.168815
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.123321	1.00E-09	0.716372	1.00E-09	0.313159	110,571	211,492	0.0103026
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	1.00E-09	0.197357	1.00E-09	0.591322	0.160394	0.25184	0.0778251
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.92192	1.00E-09	267,259	1.00E-09	0.53576	421,661	541,309	241,968
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.161904	1.00E-09	0.133859	1.00E-09	0.713671	0.217274	0.248259	0.222482
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.14539	1.00E-09	0.213669	1.00E-09	0.40396	0.330826	0.317311	0.164324
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.198232	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.0622158	1.00E-09	0.076406
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.169027	1.00E-09	1.00E-09	0.0239866	1.00E-09	0.0704668	0.0859459	0.101775
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.269105	1.00E-09	0.201412	1.00E-09
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.344446	1.00E-09	1.00E-09	1.00E-09	0.319363	1.00E-09	1.00E-09	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.454497	1.00E-09	1.00E-09	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	182,032	1.00E-09	989,506	1.00E-09	0.457198	0.131537	0.0772464	0.0663651
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	0.457197	1.00E-09	1.00E-09	1.00E-09
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.0919879	1.00E-09	0.0836399	1.00E-09	0.492819	0.129502	1.00E-09	0.0256568



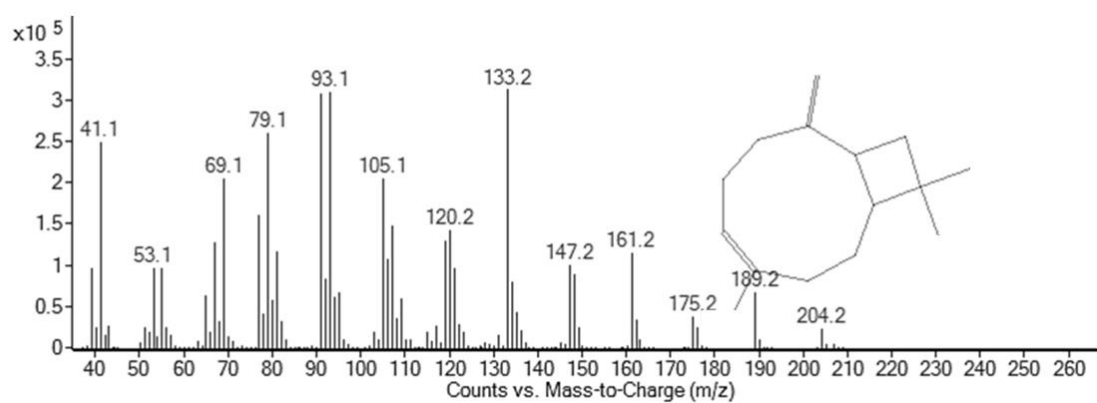
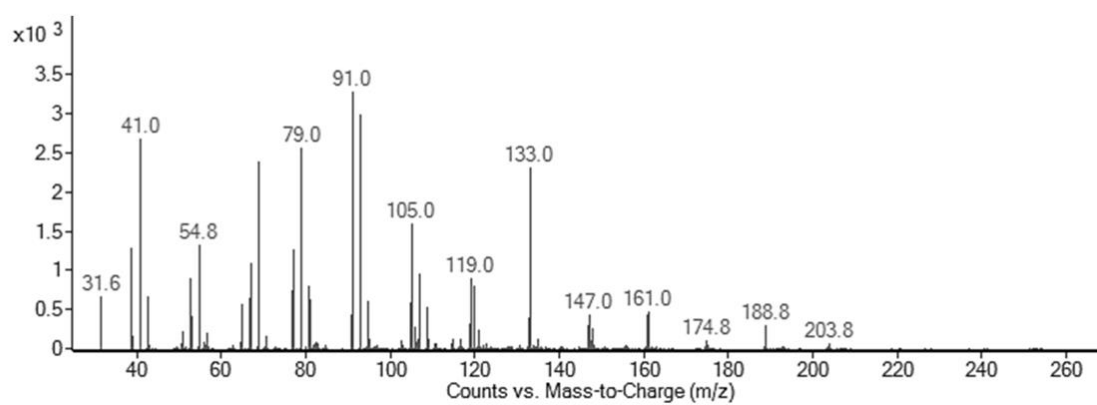
				Retention index	2761	2785	<sup>RI</sup> 2803	2827	2850
Sample code	Phenology	Organ	Maturity	unknown	Unknown	<i>n</i> -octacosane	unknown	unknown	
EFR1	G0	Flower	1	0.178327	0.269137	0.0680628	0.233515	0.105741	
EFR2	G0	Flower	1	0.0618177	0.284388	0.416104	0.232782	1.00E-09	
EFR3	G0	Flower	1	1.00E-09	0.22007	0.154888	0.185958	476,646	
EFR4	G0	Flower	1	0.0265604	0.864726	0.170083	0.195646	1.00E-09	
EFR5	G0	Flower	1	424,391	1.00E-09	0.634712	0.351965	0.419842	
EFR6	G0	Flower	1	1.00E-09	0.0870264	0.0698729	0.0801606	0.0117851	
EFR7	G0	Flower	1	0.107028	0.135179	0.133759	0.127252	1.00E-09	
EFR8	G0	Flower	1	1.00E-09	0.121355	0.107579	0.35757	0.930824	
EFR9	G0	Flower	1	0.153015	0.418573	0.1116	258,716	0.100607	
EFR10	G0	Flower	1	0.398613	0.373309	0.161763	0.349968	1.00E-09	
FCPR1	G1	Fruit	2	1.00E-09	490,122	0.219689	0.207118	1.00E-09	
FCPR2	G1	Fruit	2	0.17027	1.00E-09	1.00E-09	0.184258	1.00E-09	
FCPR3	G1	Fruit	2	1.00E-09	0.12043	0.0852258	0.228221	1.00E-09	
FCPR4	G1	Fruit	2	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	
FCHR1	G2	Fruit	3	1.00E-09	0.145814	0.0734739	0.216979	0.125118	
FCHR2	G2	Fruit	3	1.00E-09	0.361093	0.194919	0.300984	0.0769353	
FCHR3	G2	Fruit	3	0.0372557	0.251525	0.215598	0.702414	0.109592	

<b>FCHR4</b>	<b>G2</b>	<b>Fruit</b>	<b>3</b>	0.0139638	0.060408	0.0928256	0.0990605	0.021981
<b>FMR1</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.265911	0.168484	0.348382	0.243147
<b>FMR2</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.079528	1.00E-09	415,547	0.372805	0.3316
<b>FMR3</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	0.0833395	1.00E-09	0.188176	0.49145	0.130036
<b>FMR4</b>	<b>G3</b>	<b>Fruit</b>	<b>4</b>	1.00E-09	0.473242	526,396	0.27375	273,824
<b>FGR1</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.251909	314,998	239,207	0.0130572	1.00E-09
<b>FGR2</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.10486	0.227294	0.219934	0.379511	0.22305
<b>FGR3</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.526016	0.30106	0.2122	1.00E-09
<b>FGR4</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.462328	0.065149	0.56676	0.0938768
<b>FGR5</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.363251	1.00E-09	0.76706	1.00E-09
<b>FGR6</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.129505	0.265595	0.0617308	0.461481	1.00E-09
<b>FGR7</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	0.470433	0.198257	1.00E-09	0.184769
<b>FGR8</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	124,036	1.00E-09
<b>FGR9</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	111,053	1.00E-09
<b>FGR10</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09
<b>FGR11</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	0.047228	1.00E-09	0.114444	0.265185	1.00E-09
<b>FGR12</b>	<b>G4</b>	<b>Fruit</b>	<b>5</b>	383,741	1.00E-09	0.00850689	0.291367	0.121669

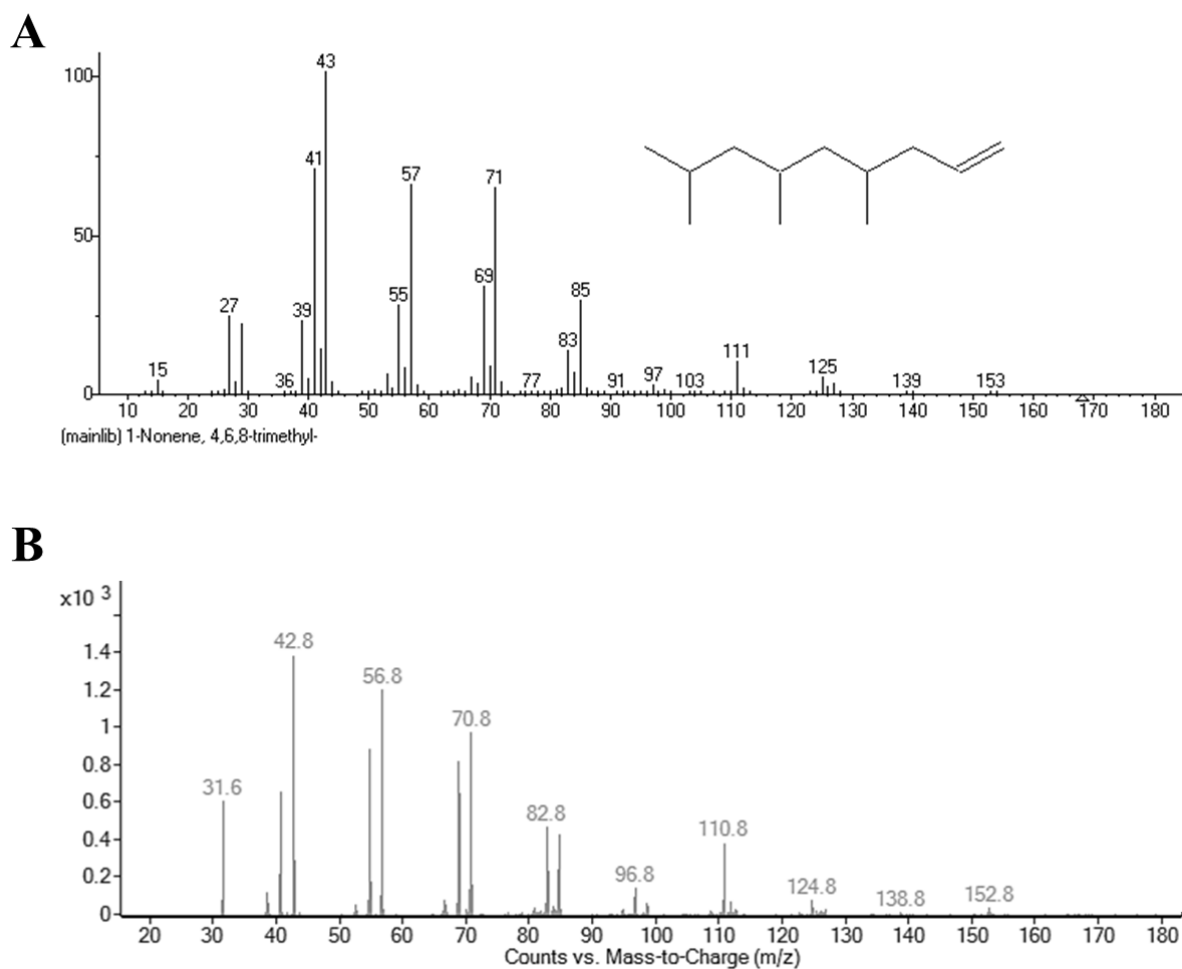
<sup>RI</sup> Indicates that a compound was tentatively identified only by spectrum comparison with the NIST library and by retention index comparison with retention indexes reported in literature. <sup>RI/\*</sup> Indicates that a compound was well identified by spectrum comparison with the NIST library, retention index comparison with literature and retention index comparison with a synthetic standard compound. Unknown compounds are those without a match in NIST library or retention index reported in literature. A value of 1.00E-09 was assigned to compounds not detected in the corresponding sample.



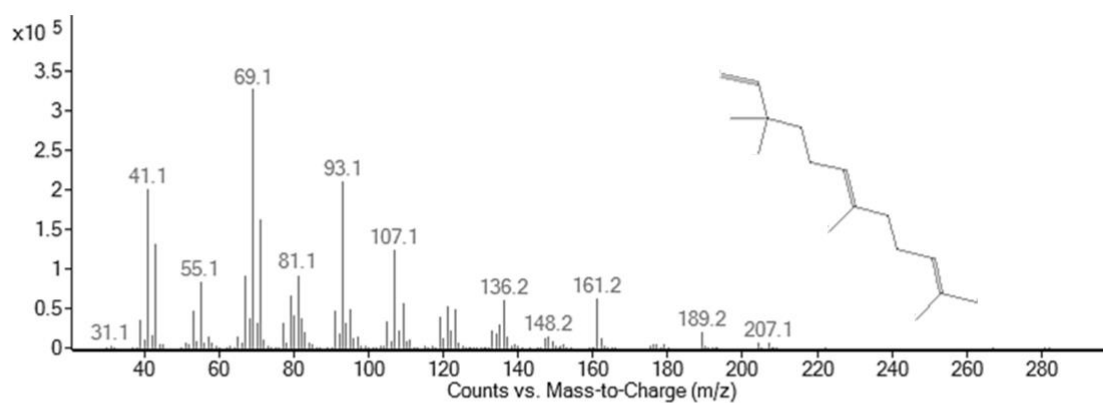
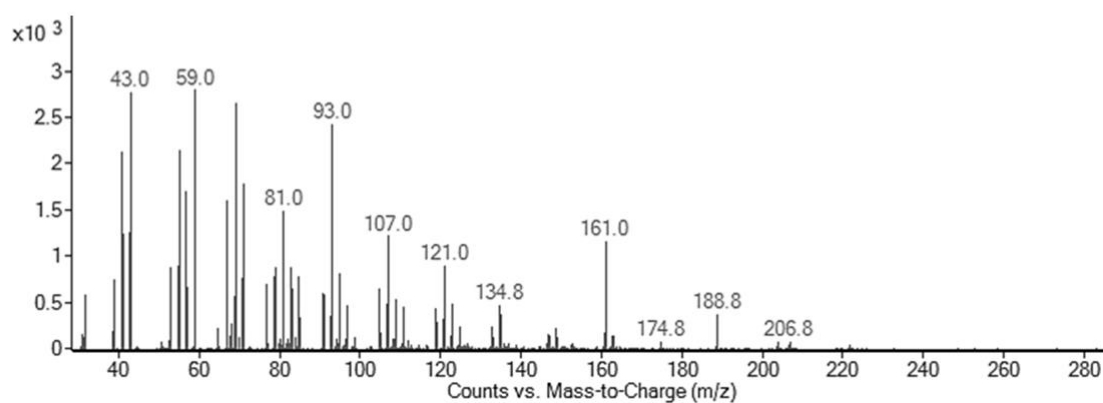
**Figure S1.** Mass spectra comparison of **(A)** 4,4,5,7,8-pentamethyldihydrocoumarin reported in the NIST library (V. 2014) and **(B)** 4,4,5,7,8-pentamethyldihydrocoumarin detected in the soursop (*Annona muricata* L.) fruits.

**A****B**

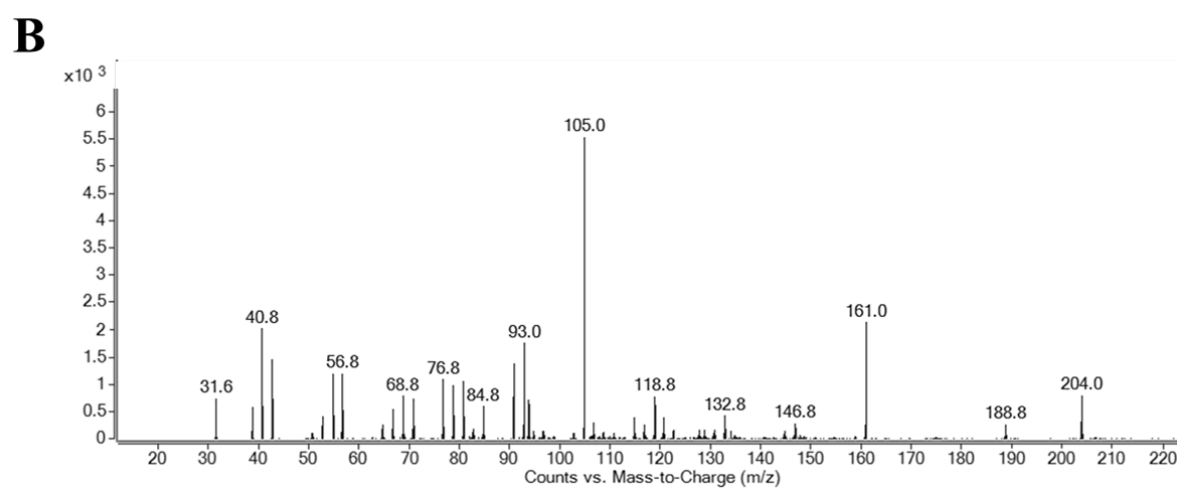
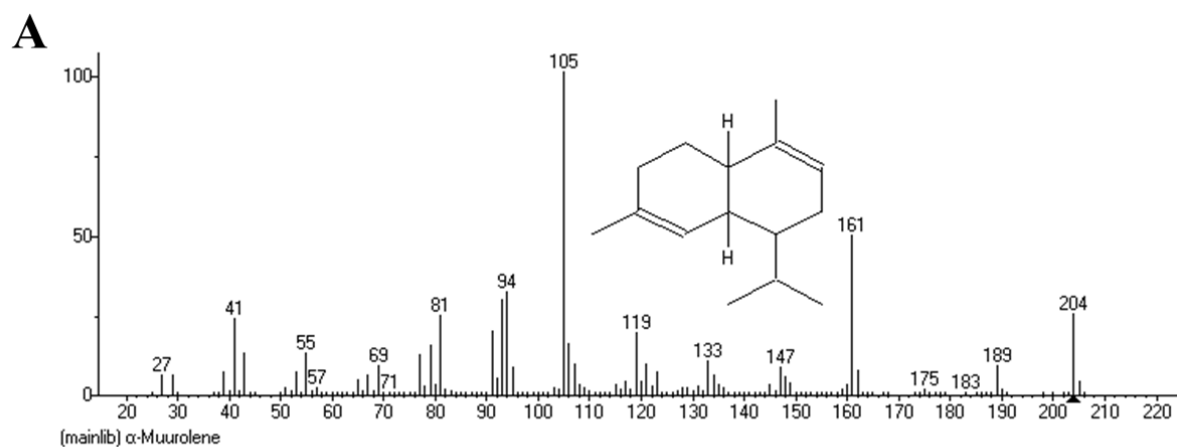
**Figure S2.** Mass spectra comparison of **(A)** a synthetic standard of (*E*)-β-caryophyllene and **(B)** (*E*)-β-caryophyllene detected in the soursop (*Annona muricata* L.) fruits.



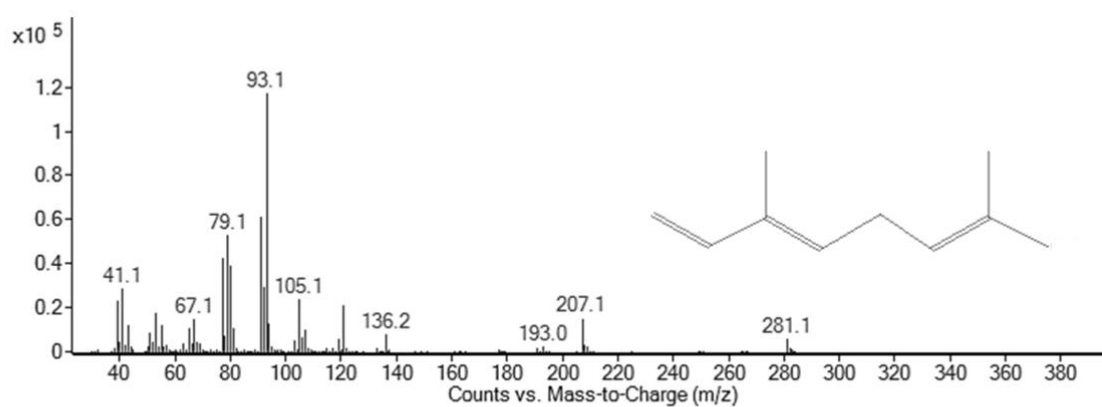
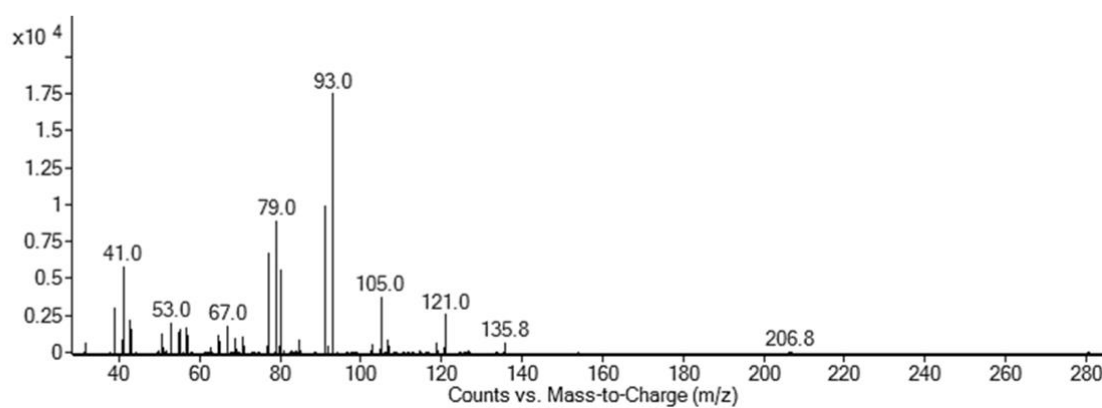
**Figure S3.** Mass spectra comparison of **(A)** 4,6,8-trimethyl-1-nonene reported in the NIST library (V. 2014) and **(B)** 4,6,8-trimethyl-1-nonene detected in the soursop (*Annona muricata* L.) fruits.

**A****B**

**Figure S4.** Mass spectra comparison of **(A)** a synthetic standard of nerolidol and **(B)** nerolidol detected in the soursop (*Annona muricata* L.) fruits.

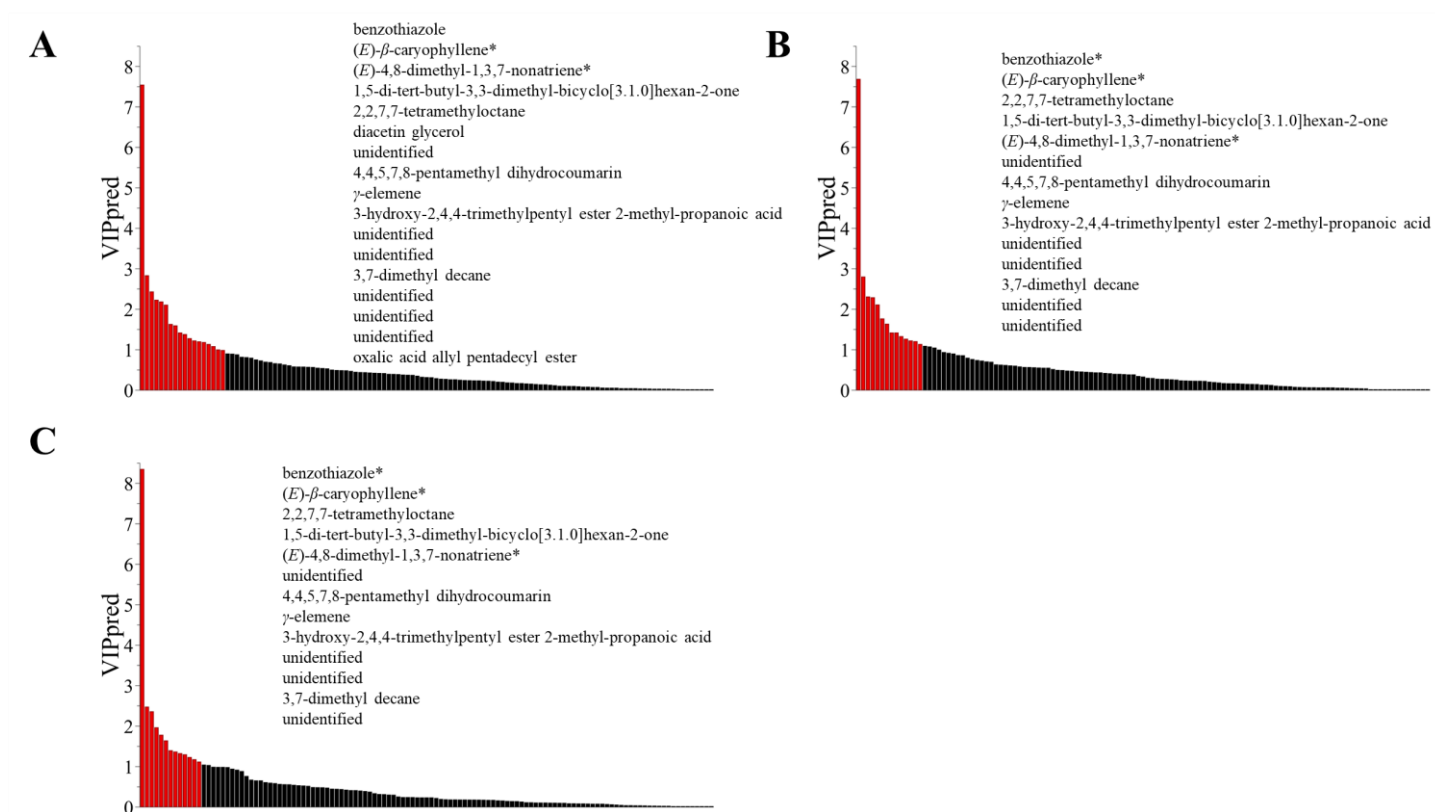


**Figure S5.** Mass spectra comparison of **(A)**  $\alpha$ -murolene reported in the NIST library (V. 2014) and **(B)**  $\alpha$ -murolene detected in the soursop (*Annona muricata* L.) fruits.

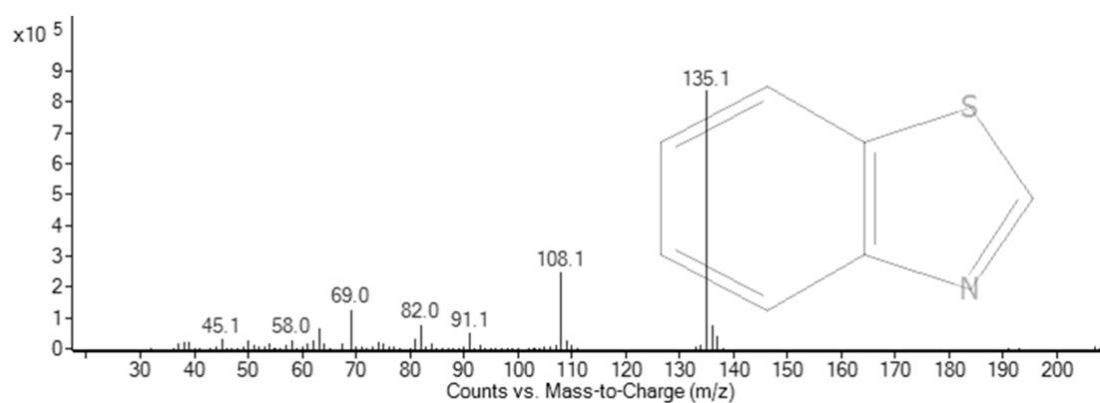
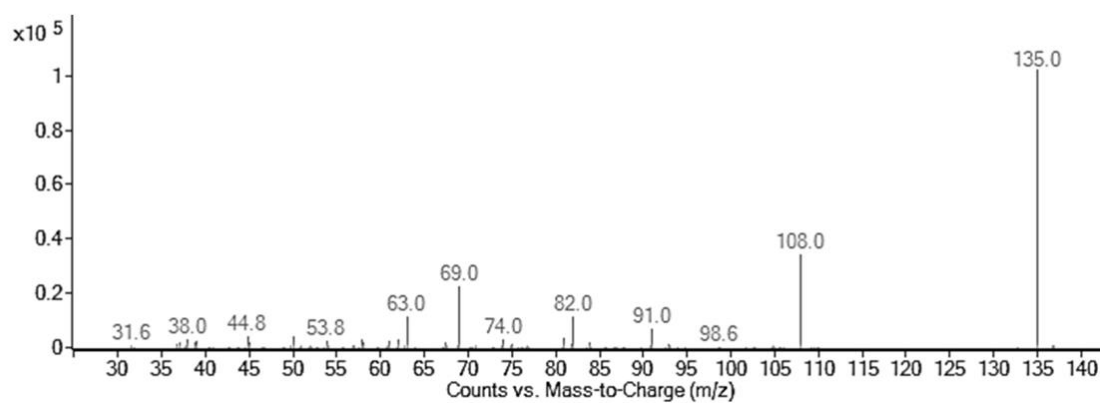
**A****B**

**Figure S6.** Mass spectra comparison of **(A)** a synthetic standard of  $\beta$ -ocimene and **(B)**  $\beta$ -ocimene detected in the soursop (*Annona muricata* L.) fruits.

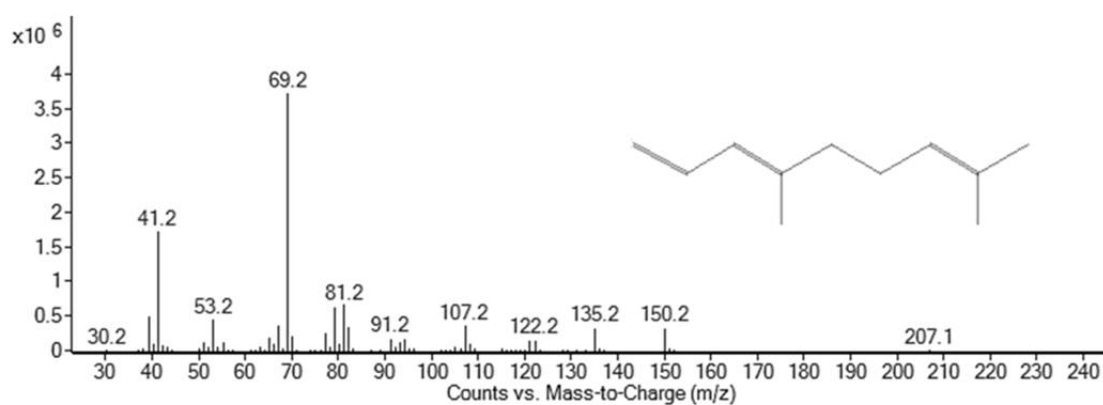
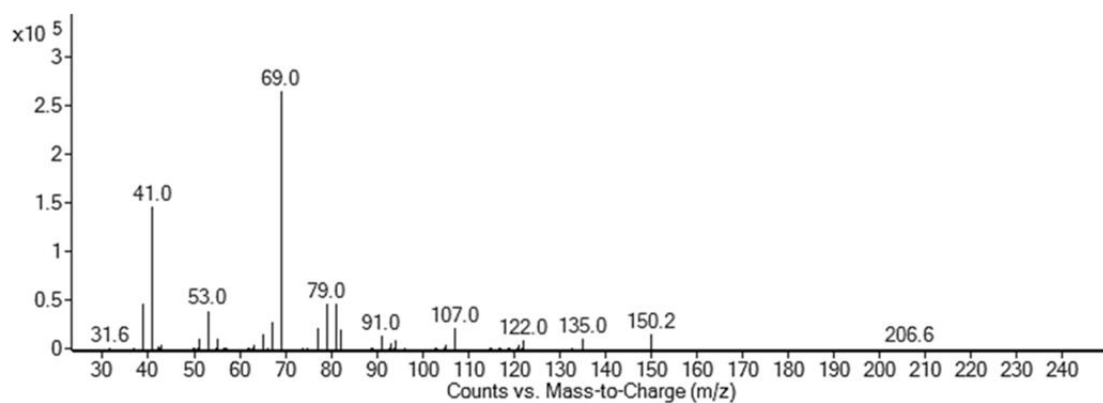




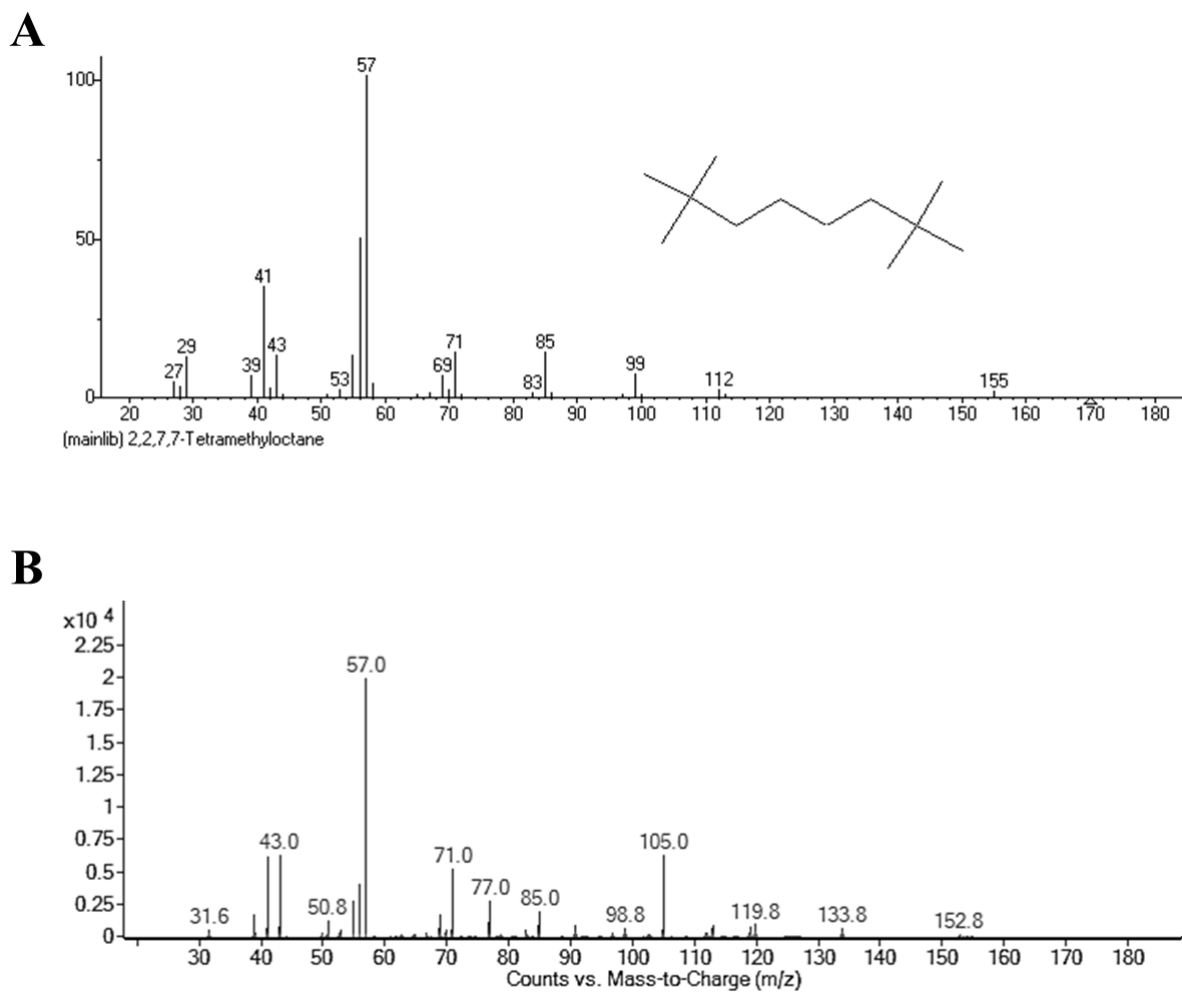
**Figure S7.** Predictive variable importance for the projection ( $VIP_{pred}$ )-plot of **(A)** volatiles correlated to the maturation of soursop (*Annona muricata* L.) fruits, **(B)** volatiles correlated with the attraction of male Annonaceae fruit weevils (*Optatus palmaris*), and **(C)** female Annonaceae fruit weevils. Red bars correspond to most correlated volatiles with the tested variable in the model. Black bars correspond to uncorrelated volatiles with the tested variable in the model. \* Indicates that the compound identity was corroborated with a standard compound.

**A****B**

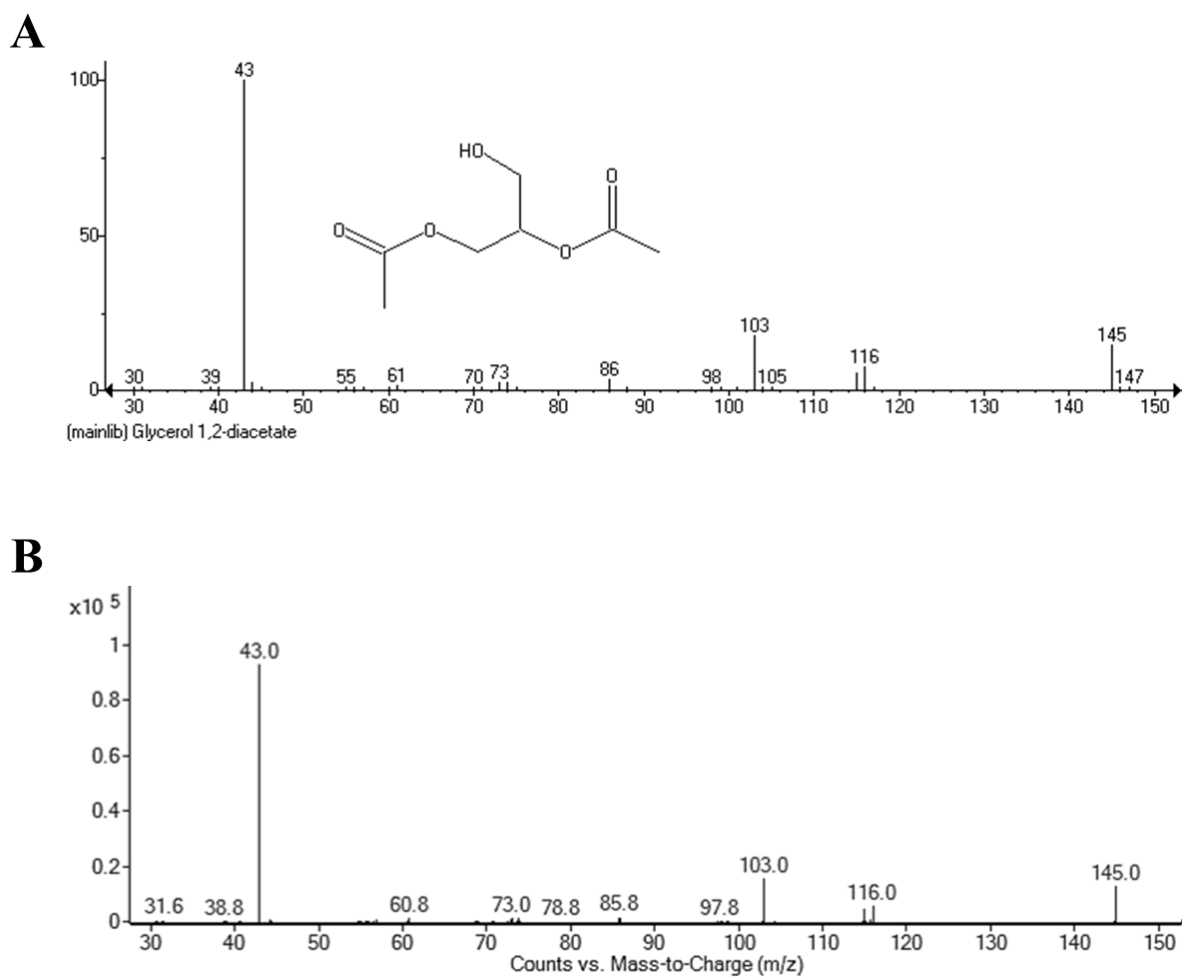
**Figure S8.** Mass spectra comparison of **(A)** a synthetic standard of benzothiazole and **(B)** benzothiazole detected in the soursop (*Annona muricata* L.) fruits.

**A****B**

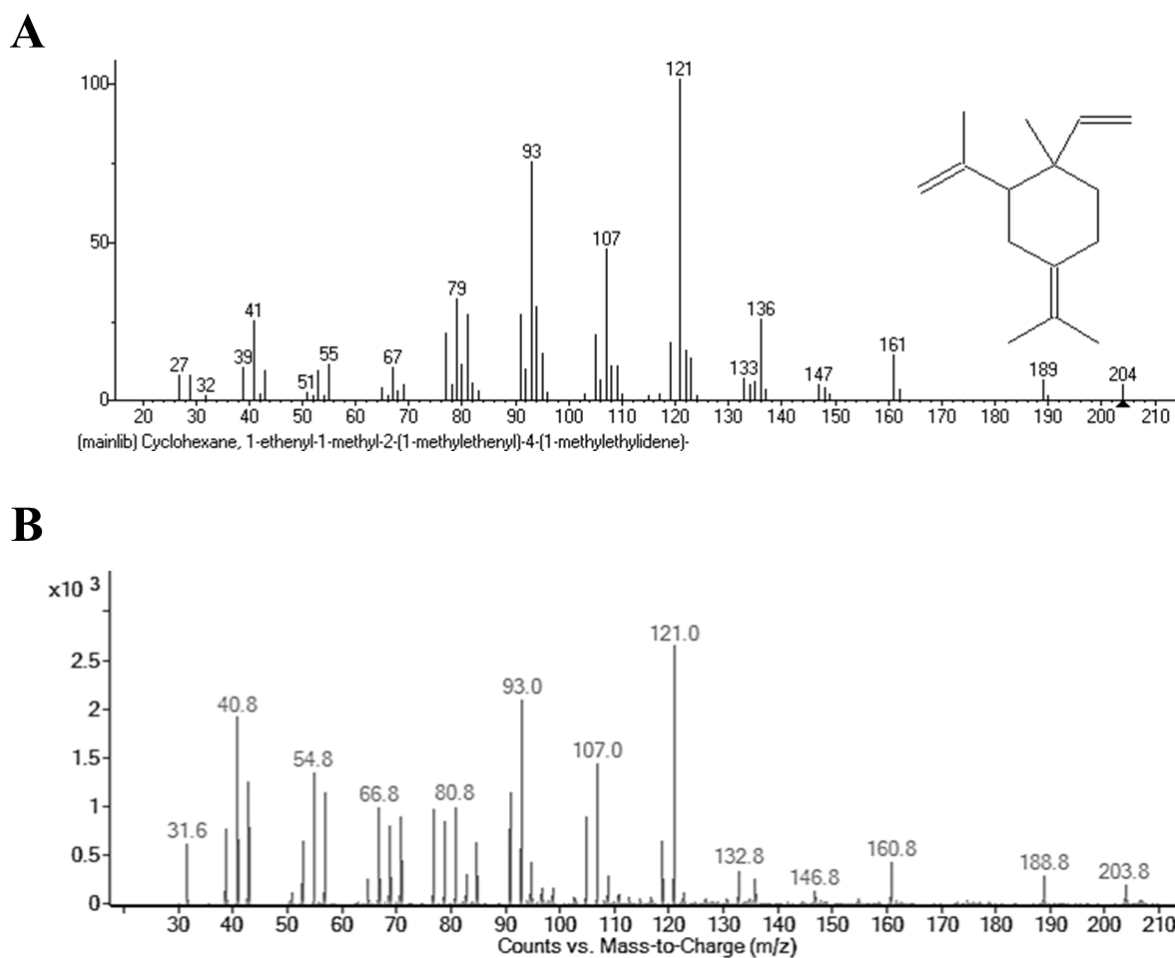
**Figure S9.** Mass spectra comparison of **(A)** a synthetic standard of (E)-4,8-dimethyl-1,3,7-nonatriene and **(B)** (E)-4,8-dimethyl-1,3,7-nonatriene detected in the soursop (*Annona muricata* L.) fruits.



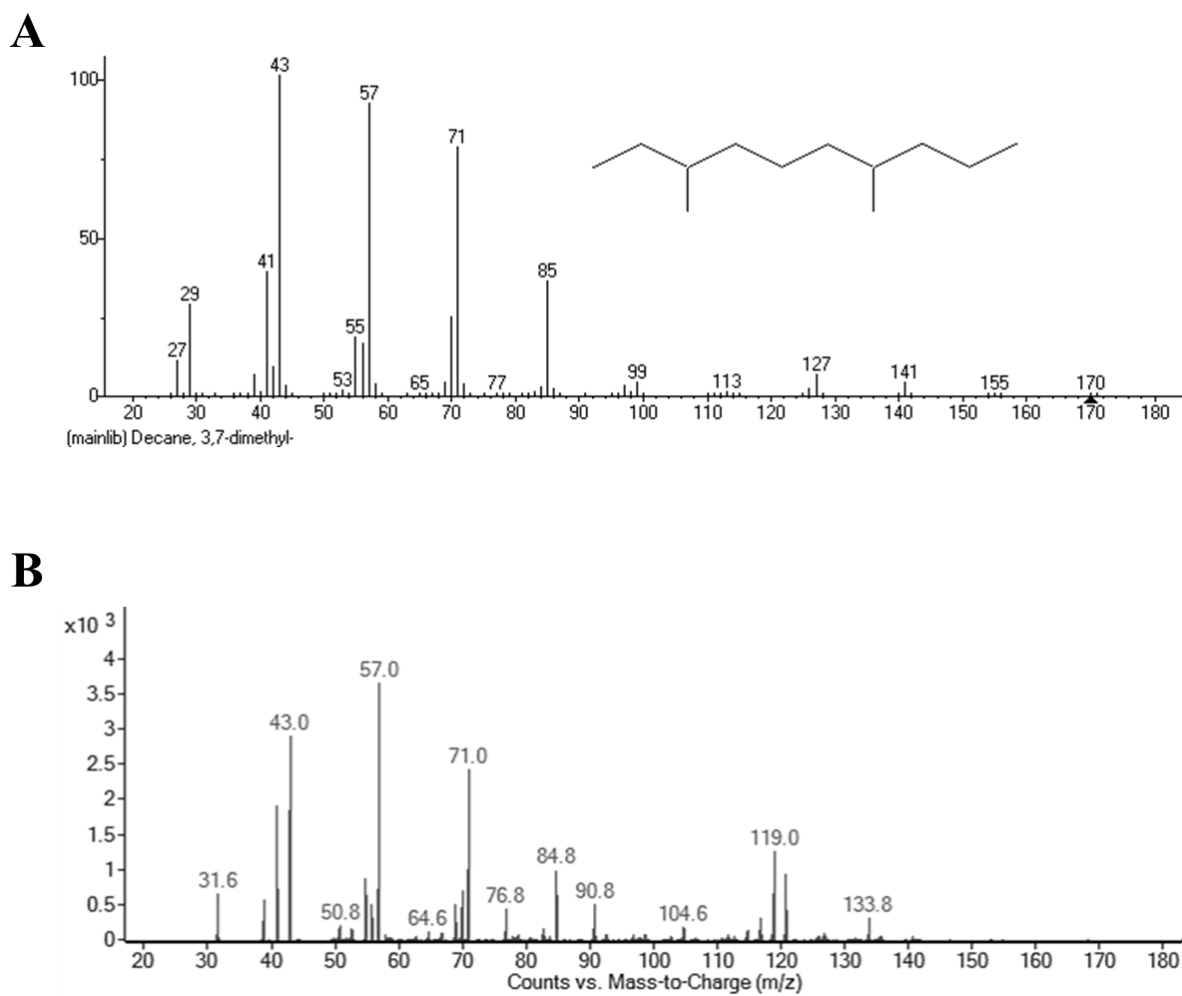
**Figure S10.** Mass spectra comparison of **(A)** 2,2,7,7-tetramethyloctane reported in the NIST library (V. 2014) and **(B)** 2,2,7,7-tetramethyloctane detected in the soursop (*Annona muricata* L.) fruits.



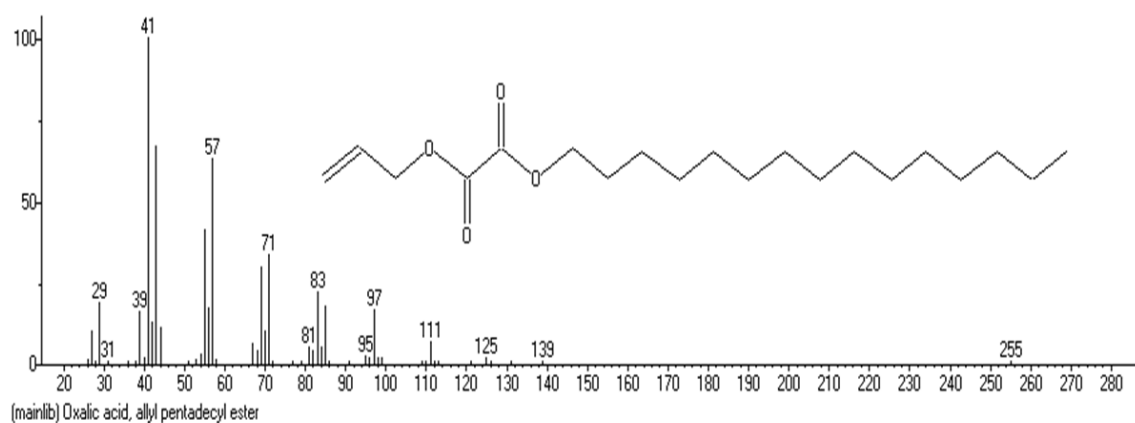
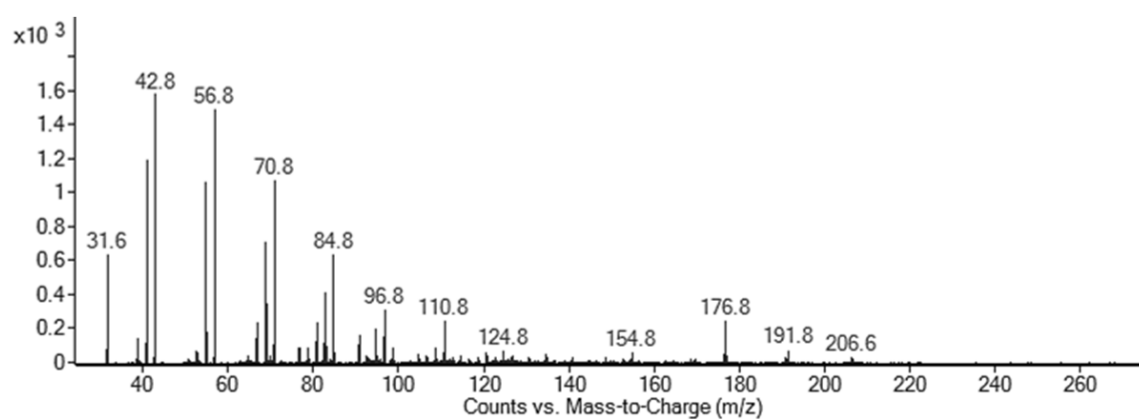
**Figure S11.** Mass spectra comparison of **(A)** diacetin glycerol reported in the NIST library (V. 2014) and **(B)** diacetin glycerol detected in the soursop (*Annona muricata* L.) fruits.



**Figure S12.** Mass spectra comparison of **(A)**  $\gamma$ -elemene reported in the NIST library (V. 2014) and **(B)**  $\gamma$ -elemene detected in the soursop (*Annona muricata* L.) fruits.

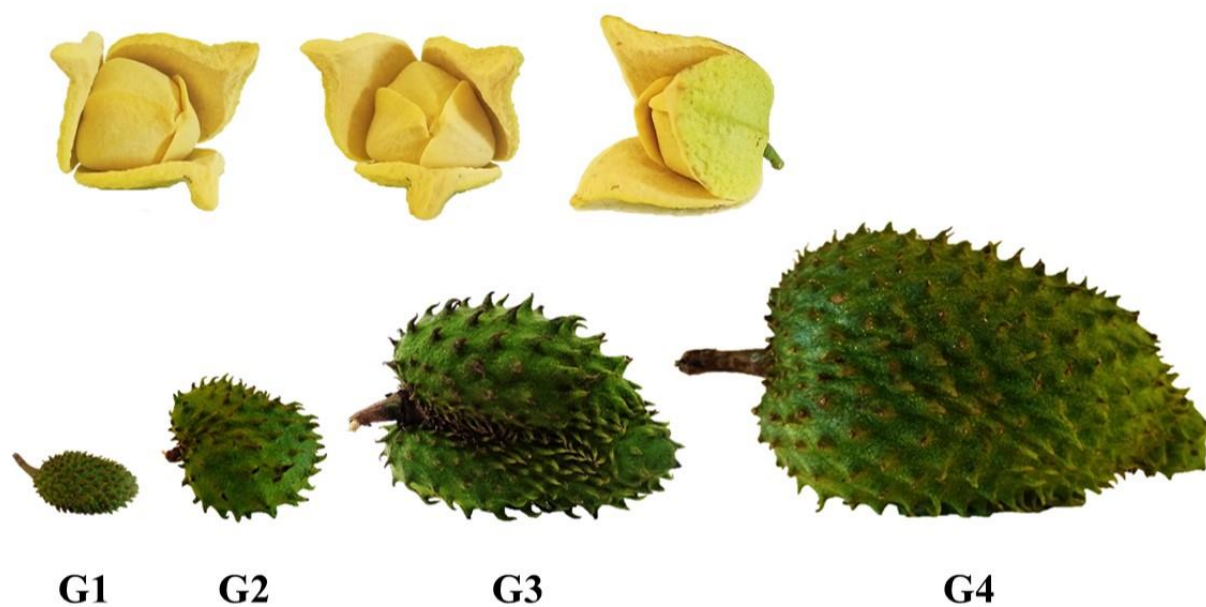


**Figure S13.** Mass spectra comparison of **(A)** 3,7-dimethyldecane reported in the NIST library (V. 2014) and **(B)** 3,7-dimethyldecane detected in the soursop (*Annona muricata* L.) fruits.

**A****B**

**Figure S14.** Mass spectra comparison of (A) oxalic acid allyl pentadecyl ester reported in the NIST library (V. 2014) and (B) oxalic acid allyl pentadecyl ester detected in the soursop (*Annona muricata* L.) fruits.





**Figure S15.** Representatives of flowers (top) and fruits (bottom) at different maturation stages of soursop (*Annona muricata* L.) used for volatile collection.