

Table S2: List of differential volatile compounds between RC-R vs. RF-R

Number	Class	Compounds	Biomarkers	Fold change	P-value	VIP	Type
1	Terpenoids	(-)-Myrtenol	Yes	1.53E+08	3.24E-06	1.02E+00	up
2		3,7-Dimethyl-2,6-octadien-1-ol	Yes	6.24E+07	6.29E-06	1.02E+00	up
3		3-Carene	Yes	2.82E+07	7.42E-06	1.02E+00	up
4		p-Cymene-7-ol	Yes	1.96E+07	4.78E-06	1.02E+00	up
5		Citronellol	Yes	1.96E+07	7.03E-06	1.02E+00	up
6		[1S-(1 α ,3 α ,5 α)]-6,6-Dimethyl-2-methylene-bicyclo[3.1.1]heptane-3-ol	Yes	1.17E+07	1.89E-07	1.02E+00	up
7		p-Mentha-1,8-dien-7-ol	Yes	7.81E+06	7.44E-06	1.02E+00	up
8		6,6-Dimethyl-bicyclo[3.1.1]hepta-2-ene-2-carboxaldehyde	Yes	4.53E+06	1.04E-05	1.02E+00	up
9		Carveol	Yes	4.14E+06	6.59E-06	1.02E+00	up
10		[1aR-(1 $\alpha\alpha$,4 β ,4a β ,7 β ,7a β ,7b α)]-Decahydro-1,1,4,7-tetramethyl-1H-cycloprop[c]azulene	Yes	2.49E+06	1.84E-05	1.02E+00	up
11		γ -Terpinene	Yes	1.89E+06	2.38E-05	1.02E+00	up
12		2,6-Dimethyl-2,4,6-octatriene	Yes	1.28E+06	1.03E-05	1.02E+00	up
13		Elemene isomer	Yes	1.06E+06	8.93E-05	1.02E+00	up
14		4-(1-Methylethyl)-1,4-cyclohexadiene-1-methanol	Yes	7.04E+05	1.12E-05	1.02E+00	up
15		1,3,3-Trimethyl-2-oxabicyclo[2.2.2]octan-6-ol	Yes	4.97E+05	1.37E-04	1.01E+00	up
16		(Z)-3,7-Dimethyl-3,6-octadien-1-ol	Yes	4.91E+05	5.16E-07	1.02E+00	up
17		2-Methyl-6-methylene-1,7-octadiene	Yes	4.53E+05	4.48E-06	1.02E+00	up
18		(R)-1-Methyl-4-(1,2,2-trimethylcyclopentyl)-benzene	Yes	4.46E+05	5.83E-04	1.01E+00	up
19		3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol	Yes	4.08E+05	4.30E-05	1.02E+00	up
20		cis- α -Bergamotene	Yes	2.89E+05	1.31E-04	1.01E+00	up
21		Pinocarvone	Yes	2.57E+05	4.31E-06	1.02E+00	up
22		p-Mentha-1(7),2-dien-8-ol	Yes	2.53E+05	5.61E-05	1.02E+00	up
23		trans-Geranylgeraniol	Yes	2.43E+05	8.18E-07	1.02E+00	up
24		endo-Borneol		6.75E+02	6.60E-05	1.02E+00	up
25		(1S)-6,6-Dimethyl-2-methylene-bicyclo[3.1.1]heptane		5.08E+02	9.93E-06	1.02E+00	up
26		Linalool		1.42E+02	1.46E-05	1.02E+00	up
27		Eucalyptol		8.01E+01	5.28E-05	1.02E+00	up
28		α -Phellandrene 1		6.83E+01	4.44E-06	1.02E+00	up
29		Limonene		2.87E+01	1.28E-05	1.02E+00	up
30		(Z)-3,7-Dimethyl-2,6-octadienal		3.70E+00	2.02E-04	1.01E+00	up
31		(1 α ,2 β ,5 α)-2,6,6-Trimethyl-bicyclo[3.1.1]heptane-3-one		2.50E+00	4.02E-04	1.01E+00	up
32	Aromatics	4-(1-Methylethyl)-benzaldehyde	Yes	1.84E+06	6.04E-06	1.02E+00	up
33		2-Phenylpropenal	Yes	7.90E+05	5.47E-05	1.02E+00	up
34		1,4-Diethyl-benzene	Yes	7.82E+05	4.18E-06	1.02E+00	up
35		3-Methyl-phenol	Yes	2.24E+05	1.73E-05	1.02E+00	up
36		N-(1-Methylethyl)-benzenemethanamine		4.53E+01	1.37E-05	1.02E+00	up
37		2,3-Dihydro-1H-inden-5-ol		4.01E+01	7.23E-05	1.01E+00	up
38		1-Methyl-3-(1-methylethyl)-benzene		3.96E+01	3.69E-05	1.02E+00	up
39		1-Methyl-3-(1-methylethenyl)-benzene		1.65E+01	8.82E-06	1.02E+00	up
40		1-Ethyl-3,5-dimethyl-benzene		1.61E+01	6.51E-06	1.02E+00	up
41		1-Ethyl-4-methoxy-benzene		1.57E+01	3.69E-04	1.01E+00	up
42		1,2-Dimethyl-naphthalene		6.44E+00	9.30E-05	1.02E+00	up

43		4,5-Dimethyl-1,3-benzenediol		1.63E-01	4.92E-05	1.02E+00	down
44		1-Methoxy-2-methyl-benzene		7.63E-02	6.52E-04	1.01E+00	down
45		3,4-Dimethoxytoluene		3.13E-02	8.44E-05	1.01E+00	down
46		Methyleugenol		1.74E-02	3.01E-04	1.01E+00	down
47		Phenylethyl Alcohol		7.44E-03	1.05E-04	1.01E+00	down
48		Carbonic acid, phenyl propyl ester	Yes	4.50E-06	3.54E-05	1.02E+00	down
49		1-Decanol	Yes	2.47E+07	1.97E-05	1.02E+00	up
50		Prenol	Yes	9.29E+06	1.89E-05	1.02E+00	up
51		1-Octanol	Yes	4.79E+05	3.17E-04	1.01E+00	up
52	Alcohols	Acetic acid, decyl ester	Yes	3.92E+05	3.00E-04	1.01E+00	up
53		2,3-Dimethyl-2,3-butanediol	Yes	3.80E+05	1.38E-05	1.02E+00	up
54		6-Methyl-5-hepten-2-ol		1.27E+03	8.67E-06	1.02E+00	up
55		1-Hexanol		1.09E+02	2.44E-06	1.02E+00	up
56		1-Octen-3-ol		3.38E+01	2.35E-06	1.02E+00	up
57		(1S)-2,6,6-Trimethylbicyclo[3.1.1]hepta-2-ene	Yes	2.44E+07	8.86E-06	1.02E+00	up
58	Olefins	(E,Z)-2,6-Dimethyl-2,4,6-octatriene	Yes	1.65E+06	4.70E-06	1.02E+00	up
59		2-(p-Anisyl)-5-methyl-1-hexene	Yes	5.59E+05	1.40E-04	1.01E+00	up
60		2,6,10,10-Tetramethyl-1-oxaspiro[4.5]dec-6-ene		2.97E+02	4.50E-05	1.02E+00	up
61		Octanoic acid, octyl ester	Yes	1.84E+06	5.60E-05	1.02E+00	up
62		Hexanoic acid, octyl ester	Yes	1.29E+06	5.21E-05	1.01E+00	up
63		Octanoic acid, ethyl ester	Yes	2.30E+05	5.82E-04	1.01E+00	up
64	Esters	Acetic acid, octyl ester		1.90E+02	3.75E-05	1.02E+00	up
65		3,7-Dimethyl-6-octen-1-ol acetate		3.86E+01	2.61E-05	1.02E+00	up
66		(Z)-3,7-Dimethyl-2,6-octadien-1-ol acetate		4.66E+00	7.27E-05	1.02E+00	up
67		5-Methyl-2-(1-methylethyl)-phenol acetate	Yes	7.23E-07	9.77E-04	1.01E+00	down
68		(E)-3,7-Dimethyl-2,6-octadienal	Yes	1.97E+06	5.94E-06	1.02E+00	up
69	Aldehydes	4-Isopropylcyclohexa-1,3-dienecarbaldehyde	Yes	4.13E+05	2.07E-05	1.02E+00	up
70		Octanal		1.61E+01	4.83E-05	1.02E+00	up
71	Ketones	1-(2,4-Dihydroxyphenyl)-ethanone		2.29E+01	1.60E-05	1.02E+00	up
72		6-Methyl-5-hepten-2-one		1.80E+01	5.33E-05	1.02E+00	up
73	Acids	2-Amino-2-methyl-3-butenic acid	Yes	2.35E+06	7.37E-08	1.02E+00	up
74	Alkanes	Nonadecane		3.27E-01	1.57E-03	1.00E+00	down
75	Heterocyclic compounds	1,5-Diazabicyclo[3.1.0]hexane	Yes	5.24E+05	4.51E-06	1.02E+00	up
76		3-Acetyl-1H-pyrroline	Yes	5.16E+05	5.70E-04	1.01E+00	up
77		(E)-2-(1-Pentenyl)-furan		6.87E-04	2.91E-04	1.01E+00	down