

Supplemental Table S2. Fold-change of volatiles in AS transgenics compared to EV control Pineapple sweet orange mature flavedo. The level of accumulation of individual volatiles in EV flavedo was arbitrarily set to 1.0. Negative values indicate decreases and positive values reflect increases in the specific volatile with respect to the reference EV line. Data represent the mean values \pm s.e.m. and are derived from at least five fruits per plant.

Compounds	Transgenic line	
	AS11 MEAN	EV S.E.M.
Monoterpenes		
Hydrocarbons		
Sabinene	- 16.13	0.00
β -myrcene	- 33.46	0.00
D-Limonene	- 32.48	0.00
Ocimene	- 1.83	0.03
α -terpinolene	nd	
Relative (%)	51.6	97.2
Aldehydes		
Z-citral	- 1.84	
E-citral*	nd	
Citronellal	- 1.03	0.04
Perilla aldehyde	nd	
Relative (%)	1.4	0.1
Alcohols		
E-sabinene hydrate	- 6.76	0.03
Z-sabinene hydrate	nd	
Linalool	2.23	0.02
1-octanol	nd	
4-terpineol	nd	
α -terpineol	- 15.74	0.00
β -citronellol	13.73	0.57
Nerol	5.49	0.31
E-carveol	nd	
Geraniol	2.47	0.15
E-p-mentha-2,8-dienol	nd	
p-mentha-1(7),8(10)-dien-9-ol	nd	
Relative (%)	37.6	1.0
Esters		
Citronellyl acetate	p	
Neryl acetate*	p	
Geranyl acetate	p	
Limonen-10-yl acetate	nd	
Relative (%)	6.3	0.01
Sesquiterpenes		
Hydrocarbons		

α-copaene	- 5.24	0.02	
β-cubebene	nd		
Germacrene D	nd		
α-gurjunene	nd		
β-elemene	nd		
β-selinene	nd		
α-caryophyllene	nd		
β-caryophyllene	- 1.82	0.01	
Z-β-farnesene	nd		
Valencene	- 30.48	0.00	
α-selinene	nd		
Germacrene B	nd		
δ-cadinene	- 10.34	0.00	
Relative (%)		0.7	0.7
Aldehydes			
β-sinensal	nd		
α-sinensal	- 2.43	0.06	
Relative (%)		0.2	0.2
Alcohols			
d-nerolidol	nd		
Elemol	- 6.87	0.00	
Relative (%)		0.03	0.04
Aliphatic aldehydes			
Octanal	- 3.63	0.01	
Nonanal	nd		
Decanal	- 18.66	0.00	
2-decenal	nd		
Decadienal	nd		
Relative (%)		1.4	0.4
Others			
(+)-isopiperitenone	- 4.09	0.00	
E-limonene oxide	- 3.70	0.01	
Caryophyllene oxide	nd		
β-cyclocitral	nd		
Cyclohexane, 2-ethenyl-1,1-dimethyl-3-methylene-	nd		
Z-3-hexen-1-ol	-1.55	0.00	
Relative (%)		0.2	0.2

nd: non-detectable

p: present (impossible to quantify fold-change because it is not present in EV plants)

* Compound differing from EV (E-citral) and AS plants (Neryl acetate)