

Supplemental Table S1. Fold-change of volatiles in AS transgenics compared to EV control Navelina 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 of the specific volatile with respect to the reference EV line. Data represent mean values \pm s.e.m. and are derived from at least five fruits per plant.

α-copaene	nd	nd	- 4.57	0.22	nd		
β-cubebene	nd	nd	- 2.36	0.11	- 44.50	0.02	
Germacrene D	nd	nd	- 1.81	0.32	nd		
β-elemene	- 3.51	0.00	- 1.81	0.30	1.11	0.04	- 1.30 0.19
α-caryophyllene	- 7.46	0.02	- 11.58	0.03	- 3.09	0.03	- 5.33 0.04
β-farnesene	nd	- 6.96	0.14	- 1.86	0.54	nd	
Valencene	- 1.89	0.16	- 1.39	0.35	1.08	0.24	- 1.34 0.01
δ-Cadinene	- 6.08	0.00	- 5.45	0.01	-1.29	0.00	- 5.71 0.00
α-muurolene	nd	nd	nd	nd	nd		
β-sesquiphellandrene	- 3.47	0.07	- 1.95	0.24	1.28	1.01	1.02 0.04
Relative (%)	4	5.4	0.4	6.7	0.4		
Aldehydes							
β-sinensal	- 6.27	0.09	- 12.30	0.02	- 2.64	0.07	- 6.75 0.05
α-sinensal	- 4.93	0.03	- 3.41	0.08	1.23	0.07	- 4.46 0.02
Relative (%)	0.6	0.8	0.1	0.7	0.1		
Alcohols							
d-nerolidol	nd	nd	-4.32	0.23	nd		
Elemol	- 44.76	0.02	nd	- 2.23	0.21	nd	
Relative (%)	0.5	0	0.01	0	0.02		
Aliphatic aldehydes							
Octanal	- 35.58	0.00	- 38.16	0.00	- 1.90	0.03	- 20.34 0.01
Nonanal	- 15.12	0.00	- 22.68	0.00	-1.90	0.00	-9.94 0.00
Decanal	- 10.57	0.02	- 11.58	0.01	- 1.44	0.07	- 6.39 0.06
Undecanal	- 5.95	0.05	- 9.62	0.10	- 1.75	0.06	- 5.28 0.05
2-decenal	nd	nd	- 1.15	0.53	nd		
Relative (%)	3.3	3	1.3	5.5	1.8		
Others/Irregular							
(+)-Isopiperitenone	nd	nd	-1.58	0.63	nd		
Z-limonene oxide	nd	nd	1.29	0.29	nd		
E-limonene oxide	- 6.07	0.07	nd	- 1.07	0.26	- 7.47	0.13
Caryophyllene oxide	1.11	0.12	- 1.07	0.29	1.94	0.28	2.36 0.63
β-cyclocitral	1.37	0.65	- 1.23	0.26	1.02	0.51	1.17 0.83
Relative (%)	1.0	1.2	0.2	1.9	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)