

Cultivar	Develop- mental period	Fraction (mg m <sup>-2</sup> )				
		Alkanes	Fatty alcohols	Free fatty acids	Fatty aldehydes	Triterpenoids
Golden delicious	30day	3259.34 ± 42.14 <b>b</b>	228.76 ± 55.03 <b>d</b>	126.48 ± 4.38 <b>e</b>	169.90±6.52 <b>c</b>	39.96±3.72 <b>c</b>
	60day	1950.65 ± 159.65 <b>d</b>	412.48 ± 22.53 <b>c</b>	484.46 ± 7.30 <b>c</b>	539.86 ± 28.57 <b>a</b>	2031.78 ± 174.78 <b>b</b>
	90day	2004.35 ± 115.03 <b>d</b>	449.50 ± 90.73 <b>c</b>	268.10 ± 51.34 <b>d</b>	458.05 ± 79.23 <b>a</b>	3375.47 ± 270.95 <b>a</b>
	120day	2331.34 ± 102.53 <b>c</b>	943.86 ± 37.16 <b>b</b>	665.88 ± 21.86 <b>b</b>	307.17 ± 39.36 <b>b</b>	3614.32 ± 315.16 <b>a</b>
	150day	4257.56 ± 168.61 <b>a</b>	1463.72 ± 85.31 <b>a</b>	727.29 ± 18.77 <b>a</b>	542.91 ± 78.88 <b>b</b>	3385.93 ± 261.93 <b>a</b>
Red delicious	30day	3184.35 ± 81.34 <b>a</b>	2453.08 ± 153.76 <b>b</b>	496.72 ± 11.54 <b>b</b>	626.90 ± 12.20 <b>c</b>	<b>n.d.</b>
	60day	2918.44 ± 35.62 <b>a</b>	1929.11 ± 18.61 <b>c</b>	225.56 ± 17.16 <b>d</b>	728.37 ± 58.29 <b>bc</b>	<b>n.d.</b>
	90day	1915.39 ± 18.98 <b>c</b>	1823.98 ± 57.09 <b>c</b>	385.74 ± 13.80 <b>c</b>	907.77 ± 17.71 <b>a</b>	3300.58 ± 45.14 <b>a</b>
	120day	1953.63 ± 26.88 <b>c</b>	2385.99 ± 29.11 <b>b</b>	598.74 ± 23.48 <b>a</b>	782.66 ± 57.24 <b>ab</b>	3048.93 ± 120.31 <b>a</b>
	150day	2504.25 ± 212.04 <b>b</b>	3023.01 ± 89.39 <b>a</b>	600.80 ± 21.75 <b>a</b>	765.77 ± 41.91 <b>b</b>	3130.88 ± 151.86 <b>a</b>

**Supplementary table 2.** Concentrations of wax fractions of ‘Golden Delicious’ and ‘Red Delicious’ apples during Developmental period. Different letters in the same fraction indicate significant differences at  $p \leq 0.05$  according to Duncan’s new multiple range test. n.d. represent not detected. Each value is the mean ± SE. The concentrations were determined by semi-quantification.

