

Table S1. Phenolic profile on dry mass basis of organic apple waste from the 2020 harvest

Peel	w(compound)/(mg/g)									
	Catechin	Chlorogenic acid	Procyanidin B2	Epicatechin	Procyanidin B1	Hyperoside	Isoquercitrin	Phloretin	Quercitrin	Phloridzin
Raw material										
Remo	(0.01±0.000) ^e	(0.876±0.016) ^a	(0.363±0.009) ^c	(0.315±0.009) ^b	(0.191±0.003) ^a	(0.253±0.019) ^a	(0.08±0.009) ^a	(0.152±0.004) ^c	(0.508±0.044) ^a	(0.186±0.006) ^c
Rewena	(0.009±0.018) ^e	(0.486±0.014) ^d	(0.579±0.03) ^b	(0.396±0.002) ^a	(0.184±0.004) ^a	(0.038±0.009) ^{de}	(0.02±0.000) ^{cde}	(0.041±0.002) ^{fg}	(0.342±0.013) ^b	(0.08±0.006) ^e
Relinda	(0.008±0.000) ^e	(0.544±0.038) ^{cd}	(0.313±0.02) ^{cd}	(0.156±0.022) ^d	(0.205±0.019) ^a	(0.032±0.001) ^{de}	(0.007±0.000) ^e	(0.049±0.003) ^{ef}	(0.156±0.031) ^{de}	(0.066±0.001) ^e
Rebela	(0.144±0.004) ^a	(0.164±0.024) ^{fg}	(0.185±0.006) ^e	(0.16±0.006) ^d	(0.242±0.001) ^a	(0.013±0.001) ^e	(0.012±0.001) ^{de}	(0.095±0.001) ^d	(0.279±0.000) ^{bc}	(0.071±0.000) ^e
Freedom	(0.047±0.001) ^c	(0.579±0.02) ^c	(0.25±0.062) ^{de}	(0.19±0.006) ^{cd}	(0.139±0.035) ^a	(0.044±0.000) ^{de}	(0.027±0.000) ^c	(0.062±0.001) ^e	(0.327±0.013) ^{bc}	(0.221±0.008) ^b
Pinova	(0.065±0.004) ^b	(0.685±0.022) ^b	(0.799±0.036) ^a	(0.396±0.020) ^a	(0.166±0.012) ^a	(0.087±0.008) ^c	(0.072±0.008) ^a	(0.195±0.010) ^b	(0.097±0.010) ^e	(0.127±0.012) ^d
Florina	(0.068±0.001) ^b	(0.254±0.002) ^e	(0.515±0.02) ^b	(0.235±0.020) ^c	(0.208±0.006) ^a	(0.024±0.001) ^e	(0.023±0.002) ^{cd}	(0.061±0.001) ^e	(0.165±0.011) ^{de}	(0.186±0.001) ^c
Topaz	(0.041±0.003) ^c	(0.197±0.016) ^{ef}	(0.357±0.046) ^{cd}	(0.164±0.032) ^d	(0.112±0.016) ^a	(0.134±0.016) ^b	(0.053±0.007) ^b	(0.023±0.003) ^a	(0.451±0.059) ^a	(0.08±0.008) ^e
DalINETte	(0.023±0.002) ^d	(0.098±0.013) ^a	(0.348±0.005) ^{cd}	(0.173±0.001) ^{cd}	(0.1±0.127) ^a	(0.055±0.001) ^d	(0.024±0.000) ^{cde}	(0.35±0.001) ^a	(0.231±0.004) ^{cd}	(0.283±0.003) ^a
After storage										
Remo	-	-	-	-	-	-	-	-	-	-
Rewena	(0.076±0.021) ^a	(0.335±0.097) ^c	(0.321±0.071) ^c	(0.139±0.033) ^d	(0.09±0.026) ^d	(0.064±0.013) ^b	(0.037±0.007) ^c	(0.037±0.030) ^c	(0.245±0.046) ^c	(0.057±0.011) ^d
Relinda	(0.058±0.006) ^a	(0.534±0.055) ^b	(0.33±0.030) ^c	(0.152±0.014) ^{cd}	(0.16±0.016) ^c	(0.083±0.008) ^b	(0.046±0.005) ^c	(0.059±0.006) ^c	(0.32±0.038) ^b	(0.108±0.015) ^{cd}
Rebela	-	-	-	-	-	-	-	-	-	-
Freedom	-	-	-	-	-	-	-	-	-	-
Pinova	(0.059±0.009) ^a	(0.763±0.087) ^a	(0.763±0.039) ^a	(0.395±0.055) ^a	(0.169±0.020) ^c	(0.13±0.014) ^a	(0.083±0.010) ^a	(0.226±0.023) ^b	(0.154±0.017) ^d	(0.144±0.014) ^{bc}
Florina	(0.054±0.014) ^{ab}	(0.226±0.018) ^{cd}	(0.531±0.050) ^b	(0.281±0.018) ^b	(0.166±0.011) ^c	(0.012±0.001) ^c	(0.016±0.000) ^d	(0.068±0.004) ^c	(0.144±0.004) ^d	(0.207±0.012) ^b
Topaz	(0.054±0.001) ^{ab}	(0.271±0.008) ^c	(0.529±0.013) ^b	(0.232±0.021) ^{bc}	(0.405±0.004) ^a	(0.146±0.001) ^a	(0.065±0.001) ^b	(0.037±0.001) ^c	(0.628±0.012) ^a	(0.139±0.001) ^{bc}
DalINETte	(0.025±0.000) ^b	(0.078±0.004) ^d	(0.385±0.014) ^c	(0.202±0.012) ^{bcd}	(0.217±0.003) ^b	(0.026±0.003) ^c	(0.018±0.001) ^d	(0.345±0.010) ^a	(0.201±0.022) ^{cd}	(0.337±0.054) ^a
Effect test										
	p-value									
Variety	<0.0001*	<0.0001*	<0.0001*	<0.0001*	0.0002*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*
Stage	<0.0001*	0.5807	0.5346	0.0539	0.0031*	<0.0001*	<0.0001*	0.0758	0.0005*	0.0004*
Variety×stage	<0.0001*	0.0063*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	0.2476	<0.0001*	0.0169*
Pulp pomace										
	Catechin	Chlorogenic acid	Procyanidin B2	Epicatechin	Procyanidin B1	Hyperoside	Isoquercitrin	Phloretin	Quercitrin	Phloridzin
Raw material										
Remo	(0.008±0.008) ^c	(0.535±0.06) ^a	(0.157±0.002) ^b	(0.047±0.003) ^c	(0.075±0.004) ^d	0 ^d	0 ^c	(0.066±0.005) ^{bc}	(0.037±0.003) ^a	(0.411±0.033) ^{ef}
Rewena	(0.005±0.001) ^c	(0.267±0.002) ^{bc}	(0.061±0.000) ^e	(0.067±0.006) ^b	(0.075±0.003) ^d	0 ^d	0 ^c	(0.074±0.006) ^b	(0.023±0.000) ^{cd}	(0.806±0.050) ^b
Relinda	(0.006±0.000) ^c	(0.485±0.027) ^a	(0.187±0.001) ^a	(0.04±0.003) ^c	(0.176±0.016) ^a	0 ^d	0 ^c	(0.061±0.005) ^{cd}	(0.011±0.001) ^e	(0.75±0.075) ^{bc}
Rebela	(0.054±0.003) ^a	(0.287±0.001) ^b	(0.029±0.001) ^f	(0.025±0.000) ^d	(0.116±0.004) ^{bc}	(0.001±0.000) ^{cd}	(0.002±0.000) ^{bc}	(0.105±0.004) ^a	(0.024±0.001) ^c	(0.594±0.008) ^{cd}
Freedom	(0.024±0.001) ^b	(0.487±0.016) ^a	(0.125±0.004) ^c	(0.072±0.004) ^b	(0.17±0.008) ^a	(0.003±0.000) ^b	0 ^c	(0.054±0.001) ^{cd}	(0.034±0.001) ^{ab}	(1.099±0.052) ^a
Pinova	(0.024±0.003) ^b	(0.321±0.013) ^b	(0.093±0.005) ^d	(0.069±0.001) ^b	(0.098±0.003) ^{cd}	(0.003±0.000) ^b	(0.007±0.000) ^{ab}	(0.052±0.003) ^d	(0.031±0.001) ^{ab}	(0.287±0.028) ^f
Florina	(0.026±0.001) ^b	(0.328±0.008) ^b	(0.175±0.006) ^a	(0.093±0.004) ^a	(0.124±0.002) ^b	(0.002±0.000) ^{bc}	(0.006±0.000) ^{ab}	(0.024±0.002) ^e	(0.035±0.001) ^{ab}	(0.551±0.028) ^{de}
Topaz	(0.011±0.001) ^c	(0.177±0.017) ^c	(0.099±0.009) ^d	(0.047±0.002) ^c	(0.072±0.008) ^d	(0.005±0.001) ^a	(0.004±0.000) ^{abc}	(0.022±0.002) ^e	(0.029±0.004) ^{bc}	(0.291±0.028) ^f
DalINETte	(0.008±0.001) ^c	(0.261±0.005) ^{bc}	(0.085±0.007) ^d	(0.043±0.005) ^c	(0.126±0.006) ^b	(0.003±0.001) ^b	(0.009±0.007) ^a	(0.101±0.005) ^a	(0.016±0.004) ^{de}	(0.601±0.074) ^{cd}
After storage										
Remo	-	-	-	-	-	-	-	-	-	-
Rewena	(0.038±0.017) ^a	(0.234±0.034) ^{bc}	(0.107±0.004) ^a	(0.053±0.008) ^a	(0.074±0.007) ^a	(0.003±0.001) ^b	(0.006±0.001) ^{ab}	(0.064±0.008) ^b	(0.033±0.005) ^a	(0.419±0.048) ^a

Table S1. continued

Peel	w(compound)/(mg/g)									
	Catechin	Chlorogenic acid	Procyanidin B2	Epicatechin	Procyanidin B1	Hyperoside	Isoquercitrin	Phloretin	Quercitrin	Phloridzin
Relinda	(0.022±0.022) ^a	(0.436±0.084) ^a	(0.151±0.032) ^a	(0.056±0.013) ^a	(0.109±0.021) ^a	(0.002±0.001) ^{bc}	(0.002±0.001) ^e	(0.047±0.010) ^c	(0.015±0.004) ^b	(0.278±0.053) ^b
Rebela	–	–	–	–	–	–	–	–	–	–
Freedom	–	–	–	–	–	–	–	–	–	–
Pinova	(0.096±0.117) ^a	(0.3±0.011) ^b	(0.116±0.004) ^a	(0.059±0.002) ^a	(0.077±0.002) ^a	(0.005±0.000) ^a	(0.007±0.000) ^a	(0.049±0.001) ^{bc}	(0.036±0.001) ^a	(0.219±0.005) ^b
Florina	(0.04±0.013) ^a	(0.245±0.029) ^{bc}	(0.176±0.021) ^a	(0.064±0.008) ^a	(0.403±0.485) ^a	(0.001±0.000) ^c	(0.005±0.001) ^{bc}	(0.025±0.003) ^d	(0.028±0.003) ^a	(0.419±0.080) ^a
Topaz	(0.035±0.004) ^a	(0.181±0.021) ^c	(0.529±0.711) ^a	(0.059±0.005) ^a	(0.166±0.015) ^a	(0.002±0.000) ^b	(0.003±0.001) ^{de}	(0.023±0.002) ^d	(0.018±0.003) ^b	(0.223±0.025) ^b
Dalinette	(0.026±0.001) ^a	(0.234±0.021) ^{bc}	(0.107±0.004) ^a	(0.066±0.066) ^a	(0.113±0.009) ^a	(0.002±0.000) ^{bc}	(0.004±0.000) ^{cd}	(0.114±0.006) ^a	(0.01±0.001) ^b	(0.45±0.032) ^a
Effect test	p-value									
Variety	0.4089	<0.0001*	0.6457	<0.0001*	0.4669	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*
Stage	0.0506	0.0090*	0.3519	0.8523	0.4272	0.2173	0.7497	0.2800	0.3520	<0.0001*
Variety×stage	0.8024	0.4760	0.6454	<0.0001*	0.5317	<0.0001*	0.0002*	0.0090*	<0.0001*	<0.0001*
Fruit pomace	Catechin	Chlorogenic acid	Procyanidin B2	Epicatechin	Procyanidin B1	Hyperoside	Isoquercitrin	Phloretin	Quercitrin	Phloridzin
Raw material										
Remo	(0.007±0.000) ^e	(0.444±0.018) ^a	(0.173±0.006) ^{ab}	(0.073±0.005) ^{cd}	(0.085±0.007) ^d	(0.013±0.001) ^e	(0.007±0.001) ^{de}	(0.087±0.002) ^b	(0.097±0.004) ^c	(0.35±0.010) ^d
Rewena	(0.003±0.000) ^e	(0.295±0.015) ^b	(0.146±0.005) ^c	(0.136±0.002) ^a	(0.137±0.006) ^b	(0.03±0.000) ^c	(0.017±0.000) ^b	(0.051±0.003) ^d	(0.129±0.008) ^b	(0.499±0.034) ^b
Relinda	(0.006±0.001) ^e	(0.418±0.001) ^a	(0.097±0.001) ^d	(0.076±0.001) ^{cd}	(0.17±0.015) ^a	(0.007±0.001) ^f	0 ^f	(0.04±0.003) ^e	(0.062±0.000) ^d	(0.371±0.026) ^d
Rebela	(0.088±0.002) ^a	(0.221±0.016) ^c	(0.139±0.016) ^c	(0.066±0.005) ^{de}	(0.103±0.001) ^{cd}	(0.009±0.001) ^f	(0.008±0.000) ^{cd}	(0.084±0.001) ^b	(0.086±0.011) ^c	(0.415±0.004) ^{cd}
Freedom	(0.024±0.001) ^c	(0.422±0.012) ^a	(0.154±0.001) ^{bc}	(0.107±0.001) ^b	(0.126±0.008) ^{bc}	(0.021±0.001) ^d	(0.016±0.000) ^b	(0.044±0.001) ^{de}	(0.185±0.007) ^a	(0.707±0.032) ^a
Pinova	(0.033±0.004) ^b	(0.286±0.007) ^b	(0.174±0.002) ^a	(0.113±0.017) ^b	(0.134±0.010) ^b	(0.044±0.002) ^a	(0.031±0.002) ^a	(0.071±0.001) ^c	(0.065±0.001) ^d	(0.364±0.004) ^d
Florina	(0.006±0.002) ^e	(0.081±0.013) ^d	(0.071±0.01) ^e	(0.044±0.008) ^e	(0.034±0.002) ^e	(0.002±0.000) ^g	(0.003±0.000) ^{ef}	(0.008±0.001) ^a	(0.022±0.004) ^e	(0.102±0.004) ^f
Topaz	(0.014±0.006) ^d	(0.212±0.003) ^c	(0.16±0.003) ^{abc}	(0.097±0.003) ^{bc}	(0.136±0.005) ^b	(0.038±0.000) ^b	(0.018±0.000) ^b	(0.022±0.001) ^f	(0.166±0.002) ^a	(0.263±0.017) ^e
Dalinette	(0.006±0.001) ^e	(0.215±0.011) ^c	(0.084±0.005) ^{de}	(0.043±0.003) ^e	(0.132±0.007) ^b	(0.014±0.002) ^e	(0.012±0.001) ^c	(0.113±0.006) ^a	(0.086±0.009) ^c	(0.453±0.043) ^{bc}
After storage										
Remo	–	–	–	–	–	–	–	–	–	–
Rewena	(0.039±0.01) ^a	(0.261±0.026) ^{ab}	(0.142±0.014) ^{ab}	(0.102±0.008) ^a	(0.103±0.017) ^b	(0.044±0.005) ^{ab}	(0.031±0.004) ^a	(0.068±0.007) ^b	(0.231±0.026) ^a	(0.467±0.065) ^a
Relinda	(0.048±0.023) ^a	(0.417±0.102) ^a	(0.144±0.035) ^{ab}	(0.053±0.013) ^b	(0.095±0.022) ^b	(0.032±0.009) ^{ab}	(0.015±0.004) ^{bc}	(0.059±0.014) ^{bc}	(0.109±0.026) ^b	(0.305±0.069) ^{bc}
Rebela	–	–	–	–	–	–	–	–	–	–
Freedom	–	–	–	–	–	–	–	–	–	–
Pinova	(0.036±0.021) ^a	(0.29±0.123) ^{ab}	(0.166±0.072) ^{ab}	(0.086±0.038) ^{ab}	(0.087±0.039) ^b	(0.036±0.014) ^{ab}	(0.027±0.011) ^{ab}	(0.066±0.026) ^b	(0.056±0.023) ^c	(0.205±0.077) ^c
Florina	(0.036±0.003) ^a	(0.206±0.015) ^b	(0.196±0.016) ^{ab}	(0.108±0.008) ^a	(0.093±0.006) ^b	(0.007±0.000) ^b	(0.012±0.001) ^c	(0.026±0.002) ^c	(0.081±0.003) ^{bc}	(0.357±0.021) ^{ab}
Topaz	(0.033±0.000) ^a	(0.201±0.006) ^b	(0.227±0.003) ^a	(0.094±0.004) ^{ab}	(0.221±0.004) ^a	(0.09±0.006) ^a	(0.028±0.001) ^{ab}	(0.027±0.000) ^c	(0.259±0.014) ^a	(0.191±0.005) ^c
Dalinette	(0.016±0.003) ^a	(0.224±0.011) ^b	(0.118±0.001) ^b	(0.077±0.001) ^{ab}	(0.136±0.011) ^b	(0.051±0.068) ^{ab}	(0.012±0.001) ^c	(0.13±0.002) ^a	(0.068±0.003) ^{bc}	(0.464±0.036) ^a
Effect test	p-value									
Variety	0.0417*	<0.0001*	0.0001*	<0.0001*	<0.0001*	0.0084*	<0.0001*	<0.0001*	<0.0001*	<0.0001*
Stage	<0.0001*	0.3894	<0.0001*	0.7377	0.8285	0.0143*	<0.0001*	0.0019*	<0.0001*	0.5247
Variety×stage	0.0470*	0.2204	0.0041*	<0.0001*	<0.0001*	0.3016	0.0020*	0.2263	<0.0001*	<0.0001*

Results are presented as mean value±standard deviation (N=3). Mean values in the same column with different letters in superscript are statistically different (Tukey's HSD test, p≤0.05). Effect tests of two-way ANOVA are shown for the main effects (variety and stage) and their interaction (variety×stage). Asterisk indicates a significant effect (p<0.05)

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Table S2. Phenolic profile on dry mass basis of organic apple waste from the 2021 harvest

Peel	w(compound)/(mg/g)									
	Catechin	Chlorogenic acid	Procyanidin B2	Epicatechin	Procyanidin B1	Hyperoside	Isoquercitrin	Phloretin	Quercitrin	Phloridzin
Raw material										
Remo	(0.011±0.003) ^b	(0.17±0.03) ^b	(0.05±0.01) ^b	(0.017±0.004) ^{bc}	(0.047±0.008) ^a	(0.023±0.006) ^{bc}	(0.007±0.002) ^{ab}	(0.055±0.012) ^b	(0.076±0.022) ^b	(0.021±0.005) ^{bc}
Rewena	(0.008±0.003) ^b	(0.11±0.01) ^b	(0.055±0.008) ^b	(0.026±0.005) ^{bc}	(0.018±0.002) ^a	(0.013±0.003) ^{bc}	(0.007±0.002) ^{ab}	(0.010±0.001) ^c	(0.05±0.01) ^b	(0.007±0.002) ^c
Relinda	(0.08±0.02) ^a	(0.57±0.18) ^a	(0.31±0.09) ^a	(0.10±0.03) ^a	(0.12±0.03) ^a	(0.09±0.02) ^a	(0.04±0.009) ^a	(0.06±0.02) ^b	(0.26±0.06) ^a	(0.06±0.02) ^a
Rebela	(0.003±0.001) ^b	(0.013±0.002) ^b	(0.015±0.002) ^b	(0.004±0.001) ^c	(0.029±0.006) ^a	(0.002±0.000) ^c	(0.002±0.000) ^b	(0.022±0.004) ^c	(0.023±0.004) ^b	(0.005±0.001) ^c
Freedom	(0.002±0.001) ^b	(0.09±0.03) ^b	(0.032±0.007) ^b	(0.014±0.003) ^c	(0.020±0.005) ^a	(0.002±0.001) ^c	(0.001±0.001) ^b	(0.009±0.002) ^c	(0.017±0.005) ^b	(0.023±0.006) ^{bc}
Pinova	(0.004±0.000) ^b	(0.06±0.01) ^b	(0.07±0.01) ^b	(0.03±0.005) ^{bc}	(0.1±0.1) ^a	(0.008±0.001) ^{bc}	(0.02±0.03) ^{ab}	(0.025±0.004) ^c	(0.012±0.002) ^b	(0.011±0.002) ^c
Florina	(0.011±0.006) ^b	(0.07±0.03) ^b	(0.12±0.07) ^b	(0.07±0.04) ^{ab}	(0.07±0.04) ^a	(0.004±0.003) ^{bc}	(0.004±0.003) ^b	(0.03±0.02) ^{bc}	(0.04±0.02) ^b	(0.05±0.03) ^{ab}
Topaz	(0.012±0.003) ^b	(0.07±0.01) ^b	(0.11±0.03) ^b	(0.05±0.02) ^{bc}	(0.019±0.004) ^a	(0.012±0.007) ^{bc}	(0.006±0.003) ^b	(0.008±0.002) ^c	(0.05±0.03) ^b	(0.019±0.009) ^{bc}
Dalinette	(0.004±0.001) ^b	(0.037±0.007) ^b	(0.05±0.01) ^b	(0.03±0.008) ^{bc}	(0.077±0.009) ^a	(0.024±0.003) ^b	(0.008±0.001) ^{ab}	(0.098±0.017) ^a	(0.06±0.008) ^b	(0.054±0.006) ^{ab}
After storage										
Remo	–	–	–	–	–	–	–	–	–	–
Rewena	(0.013±0.004) ^a	(0.13±0.04) ^{abc}	(0.08±0.03) ^a	(0.03±0.01) ^a	(0.03±0.01) ^a	(0.012±0.009) ^b	(0.007±0.005) ^{ab}	(0.017±0.005) ^b	(0.06±0.04) ^a	(0.009±0.005) ^b
Relinda	(0.006±0.002) ^a	(0.10±0.01) ^{bc}	(0.06±0.01) ^a	(0.018±0.004) ^a	(0.031±0.005) ^a	(0.007±0.002) ^b	(0.003±0.001) ^b	(0.01±0.003) ^b	(0.03±0.01) ^a	(0.007±0.002) ^b
Rebela	(0.009±0.009) ^a	(0.05±0.04) ^c	(0.05±0.04) ^a	(0.02±0.01) ^a	(0.04±0.04) ^a	(0.03±0.03) ^{ab}	(0.02±0.01) ^{ab}	(0.07±0.06) ^b	(0.14±0.14) ^a	(0.04±0.03) ^b
Freedom	(0.019±0.005) ^a	(0.3±0.1) ^a	(0.14±0.04) ^a	(0.06±0.02) ^a	(0.08±0.02) ^a	(0.018±0.008) ^b	(0.01±0.004) ^{ab}	(0.05±0.01) ^b	(0.12±0.05) ^a	(0.11±0.04) ^{ab}
Pinova	(0.03±0.02) ^a	(0.3±0.2) ^{ab}	(0.3±0.1) ^a	(0.14±0.08) ^a	(0.07±0.04) ^a	(0.11±0.07) ^a	(0.05±0.03) ^a	(0.10±0.06) ^{ab}	(0.08±0.04) ^a	(0.07±0.04) ^{ab}
Florina	(0.025±0.02) ^a	(0.08±0.06) ^{bc}	(0.2±0.1) ^a	(0.08±0.06) ^a	(0.08±0.06) ^a	(0.007±0.006) ^b	(0.007±0.005) ^{ab}	(0.04±0.03) ^b	(0.05±0.04) ^a	(0.07±0.06) ^{ab}
Topaz	(0.03±0.02) ^a	(0.13±0.06) ^{abc}	(0.2±0.1) ^a	(0.13±0.07) ^a	(0.05±0.02) ^a	(0.06±0.03) ^{ab}	(0.03±0.02) ^{ab}	(0.03±0.02) ^b	(0.3±0.2) ^a	(0.06±0.04) ^{ab}
Dalinette	(0.012±0.007) ^a	(0.12±0.07) ^{abc}	(0.2±0.1) ^a	(0.10±0.06) ^a	(0.11±0.06) ^a	(0.06±0.04) ^{ab}	(0.02±0.01) ^{ab}	(0.245±0.146) ^a	(0.186±0.126) ^a	(0.222±0.150) ^a
Effect test										
	p-value									
Variety	0.0002*	<0.0001*	0.0075*	0.0089*	0.0554	0.0016*	0.0061*	<0.0001*	0.0276*	0.0011*
Stage	0.3007	0.2063	0.0135*	0.0074*	0.5404	0.0116*	0.1288	0.0054*	0.0115*	0.0026*
Variety×stage	<0.0001*	<0.0001*	0.0003*	0.0038*	0.1266	<0.0001*	0.0122*	0.0313*	0.0002*	0.0136*
Pulp pomace										
	Catechin	Chlorogenic acid	Procyanidin B2	Epicatechin	Procyanidin B1	Hyperoside	Isoquercitrin	Phloretin	Quercitrin	Phloridzin
Raw material										
Remo	(0.015±0.004) ^{ab}	(0.4±0.1) ^a	(0.06±0.01) ^{cd}	(0.005±0.001) ^{cd}	(0.12±0.03) ^a	(0.001±0.000) ^a	(0.002±0.000) ^c	(0.109±0.025) ^a	(0.017±0.002) ^b	(0.383±0.089) ^a
Rewena	(0.023±0.009) ^a	(0.30±0.01) ^{ab}	(0.073±0.005) ^{bc}	(0.045±0.003) ^b	(0.091±0.007) ^{ab}	(0.004±0.000) ^a	(0.006±0.001) ^a	(0.055±0.003) ^b	(0.047±0.004) ^a	(0.26±0.03) ^{bc}
Relinda	(0.009±0.004) ^{bcd}	(0.189±0.07) ^{bc}	(0.04±0.02) ^{cde}	(0.020±0.008) ^c	(0.05±0.02) ^{bcd}	(0.001±0.001) ^a	(0.001±0.000) ^{cd}	(0.022±0.009) ^{cd}	(0.008±0.003) ^c	(0.11±0.05) ^d
Rebela	(0.002±0.000) ^{cd}	(0.03±0.03) ^d	(0.012±0.002) ^e	(0.001±0.000) ^d	(0.033±0.004) ^{cd}	0 ^a	0 ^d	(0.015±0.002) ^d	(0.004±0.000) ^c	(0.057±0.007) ^d
Freedom	0 ^d	(0.054±0.006) ^d	(0.01±0.001) ^e	(0.005±0.001) ^{cd}	(0.016±0.002) ^d	0 ^a	0 ^d	(0.005±0.001) ^d	(0.003±0.001) ^c	(0.051±0.004) ^d
Pinova	0 ^d	(0.04±0.01) ^d	(0.013±0.003) ^e	(0.009±0.004) ^{cd}	(0.015±0.004) ^d	(0.001±0.000) ^a	(0.001±0.000) ^{cd}	(0.008±0.002) ^d	(0.005±0.001) ^c	(0.029±0.002) ^d
Florina	(0.014±0.006) ^{abc}	(0.12±0.04) ^{cd}	(0.10±0.03) ^{bc}	(0.04±0.013) ^b	(0.09±0.03) ^{ab}	0 ^a	(0.003±0.001) ^b	(0.017±0.005) ^{cd}	(0.016±0.005) ^b	(0.14±0.04) ^{cd}
Topaz	(0.019±0.004) ^{ab}	(0.19±0.02) ^{bc}	(0.15±0.02) ^a	(0.10±0.01) ^a	(0.075±0.008) ^{bc}	(0.01±0.01) ^a	0 ^d	(0.012±0.002) ^d	(0.02±0.004) ^b	(0.30±0.05) ^{ab}
Dalinette	(0.003±0.002) ^{cd}	(0.10±0.01) ^{cd}	(0.03±0.003) ^{de}	(0.019±0.002) ^c	(0.051±0.005) ^{bcd}	(0.001±0.000) ^a	0 ^d	(0.042±0.005) ^{bc}	(0.005±0.001) ^c	(0.141±0.015) ^{cd}
After storage										
Remo	–	–	–	–	–	–	–	–	–	–
Rewena	(0.004±0.000) ^a	(0.058±0.008) ^a	(0.022±0.002) ^{ab}	(0.007±0.001) ^b	(0.019±0.002) ^a	(0.001±0.000) ^c	(0.001±0.000) ^{bc}	(0.012±0.001) ^b	(0.006±0.002) ^b	(0.050±0.004) ^b

Table S2. continued

Peel	w(compound)/(mg/g)									
	Catechin	Chlorogenic acid	Procyanidin B2	Epicatechin	Procyanidin B1	Hyperoside	Isoquercitrin	Phloretin	Quercitrin	Phloridzin
Relinda	(0.003±0.000) ^a	(0.073±0.001) ^a	(0.02±0.000) ^b	(0.007±0.000) ^b	(0.021±0.000) ^a	0 ^c	0 ^c	(0.008±0.000) ^b	(0.003±0.000) ^b	(0.05±0.01) ^b
Rebela	(0.002±0.001) ^a	(0.05±0.02) ^a	(0.02±0.01) ^b	(0.002±0.001) ^b	(0.03±0.02) ^a	(0.001±0.000) ^{bc}	(0.001±0.001) ^{abc}	(0.02±0.01) ^b	(0.010±0.004) ^b	(0.08±0.02) ^b
Freedom	(0.004±0.003) ^a	(0.16±0.02) ^a	(0.028±0.003) ^{ab}	(0.015±0.002) ^b	(0.039±0.003) ^a	(0.001±0.000) ^{bc}	(0.002±0.000) ^{abc}	(0.016±0.003) ^b	(0.014±0.002) ^{ab}	(0.16±0.02) ^b
Pinova	(0.02±0.01) ^a	(0.22±0.14) ^a	(0.07±0.04) ^{ab}	(0.04±0.03) ^{ab}	(0.06±0.04) ^a	(0.005±0.003) ^{ab}	(0.006±0.004) ^a	(0.0±0.02) ^{ab}	(0.027±0.02) ^{ab}	(0.14±0.08) ^b
Florina	(0.02±0.02) ^a	(0.14±0.08) ^a	(0.11±0.07) ^{ab}	(0.04±0.02) ^{ab}	(0.10±0.06) ^a	(0.001±0.001) ^{bc}	(0.004±0.003) ^{abc}	(0.02±0.01) ^b	(0.02±0.02) ^{ab}	(0.21±0.12) ^{ab}
Topaz	(0.020±0.001) ^a	(0.168±0.005) ^a	(0.115±0.009) ^a	(0.07±0.01) ^a	(0.077±0.007) ^a	(0.006±0.001) ^a	(0.006±0.001) ^{ab}	(0.026±0.002) ^b	(0.037±0.004) ^a	(0.29±0.02) ^{ab}
Dalinette	(0.009±0.007) ^a	(0.27±0.17) ^a	(0.08±0.05) ^{ab}	(0.05±0.03) ^{ab}	(0.09±0.05) ^a	(0.004±0.003) ^{abc}	(0.003±0.001) ^{abc}	(0.094±0.056) ^a	(0.015±0.009) ^{ab}	(0.455±0.244) ^a
Effect test	p-value									
Variety	<0.0001*	0.0039*	<0.0001*	<0.0001*	0.0001*	0.0037*	0.0002*	<0.0001*	<0.0001*	<0.0001*
Stage	0.4461	0.4924	0.6719	0.9318	0.7146	0.9215	<0.0001*	0.1146	0.0571	0.0506
Variety×stage	0.0034*	<0.0001*	0.0080*	0.0002*	0.0045*	0.3019	<0.0001*	0.0011*	<0.0001*	0.0002*
Fruit pomace	Catechin	Chlorogenic acid	Procyanidin B2	Epicatechin	Procyanidin B1	Hyperoside	Isoquercitrin	Phloretin	Quercitrin	Phloridzin
Raw material										
Remo	(0.03±0.03) ^{ab}	(0.36±0.09) ^a	(0.06±0.02) ^{ab}	(0.014±0.006) ^a	(0.10±0.02) ^{ab}	(0.022±0.009) ^b	(0.013±0.005) ^{ab}	(0.128±0.036) ^a	(0.131±0.053) ^a	(0.288±0.103) ^a
Rewena	(0.04±0.01) ^a	(0.35±0.01) ^a	(0.14±0.005) ^a	(0.087±0.006) ^a	(0.134±0.005) ^a	(0.076±0.007) ^a	(0.019±0.002) ^a	(0.074±0.006) ^b	(0.18±0.015) ^a	(0.256±0.027) ^a
Relinda	(0.003±0.000) ^{bc}	(0.078±0.005) ^b	(0.019±0.001) ^b	(0.007±0.001) ^a	(0.025±0.002) ^c	(0.004±0.000) ^{cd}	(0.002±0.000) ^c	(0.01±0.001) ^c	(0.016±0.000) ^c	(0.043±0.002) ^b
Rebela	(0.002±0.000) ^{bc}	(0.024±0.001) ^b	(0.014±0.000) ^b	(0.003±0.000) ^a	(0.034±0.004) ^c	(0.008±0.001) ^{bcd}	(0.004±0.001) ^{bc}	(0.021±0.001) ^c	(0.043±0.007) ^{bc}	(0.051±0.001) ^b
Freedom	0 ^c	(0.059±0.003) ^b	(0.015±0.001) ^b	(0.008±0.001) ^a	(0.019±0.002) ^c	(0.001±0.000) ^d	(0.001±0.000) ^c	(0.007±0.000) ^c	(0.013±0.002) ^c	(0.066±0.008) ^b
Pinova	(0.003±0.001) ^{bc}	(0.048±0.008) ^b	(0.036±0.007) ^b	(0.025±0.005) ^a	(0.025±0.004) ^c	(0.019±0.005) ^{bc}	(0.01±0.002) ^{bc}	(0.017±0.004) ^c	(0.020±0.005) ^c	(0.04±0.01) ^b
Florina	(0.011±0.006) ^{bc}	(0.08±0.03) ^b	(0.08±0.03) ^{ab}	(0.04±0.02) ^a	(0.06±0.02) ^{bc}	(0.007±0.004) ^{bcd}	(0.007±0.003) ^{bc}	(0.013±0.005) ^c	(0.040.02) ^{bc}	(0.12±0.00) ^{ab}
Topaz	(0.02±0.01) ^{abc}	(0.13±0.08) ^b	(0.16±0.09) ^a	(0.10±0.06) ^a	(0.05±0.03) ^c	(0.02±0.01) ^{bc}	(0.013±0.007) ^{ab}	(0.02±0.01) ^c	(0.11±0.060) ^{ab}	(0.3±0.2) ^a
Dalinette	(0.003±0.002) ^{bc}	(0.08±0.01) ^b	(0.025±0.004) ^b	(0.1±0.1) ^a	(0.06±0.01) ^c	(0.007±0.001) ^{bcd}	(0.003±0.001) ^c	(0.041±0.006) ^{bc}	(0.023±0.004) ^c	(0.108±0.017) ^{ab}
After storage										
Remo	–	–	–	–	–	–	–	–	–	–
Rewena	(0.005±0.001) ^a	(0.07±0.01) ^b	(0.03±0.003) ^{bc}	(0.014±0.002) ^{cd}	(0.023±0.003) ^c	(0.008±0.002) ^{bc}	(0.005±0.001) ^c	(0.013±0.002) ^c	(0.033±0.003) ^b	(0.037±0.004) ^b
Relinda	(0.005±0.001) ^a	(0.111±0.009) ^{ab}	(0.035±0.005) ^{bc}	(0.012±0.001) ^d	(0.029±0.002) ^c	(0.008±0.001) ^{bc}	(0.004±0.000) ^c	(0.013±0.001) ^c	(0.027±0.004) ^b	(0.051±0.006) ^b
Rebela	(0.005±0.002) ^a	(0.05±0.01) ^b	(0.032±0.007) ^{bc}	(0.01±0.002) ^d	(0.06±0.01) ^{abc}	(0.009±0.001) ^{bc}	(0.008±0.002) ^{bc}	(0.038±0.008) ^{abc}	(0.09±0.02) ^{ab}	(0.14±0.02) ^{ab}
Freedom	(0.002±0.001) ^a	(0.08±0.01) ^b	(0.023±0.003) ^c	(0.015±0.001) ^{cd}	(0.023±0.004) ^c	(0.003±0.000) ^c	(0.003±0.000) ^c	(0.009±0.001) ^c	(0.025±0.002) ^b	(0.099±0.013) ^{ab}
Pinova	(0.03±0.02) ^a	(0.22±0.05) ^a	(0.13±0.04) ^{ab}	(0.09±0.02) ^{ab}	(0.10±0.03) ^{ab}	(0.045±0.009) ^a	(0.024±0.005) ^a	(0.07±0.016) ^a	(0.051±0.011) ^b	(0.165±0.029) ^{ab}
Florina	(0.03±0.01) ^a	(0.15±0.06) ^{ab}	(0.16±0.07) ^a	(0.08±0.03) ^{abc}	(0.11±0.05) ^a	(0.009±0.003) ^{bc}	(0.011±0.004) ^{bc}	(0.026±0.011) ^{bc}	(0.076±0.031) ^{ab}	(0.21±0.087) ^{ab}
Topaz	(0.02±0.01) ^a	(0.13±0.07) ^{ab}	(0.13±0.07) ^{ab}	(0.10±0.05) ^a	(0.04±0.02) ^{bc}	(0.023±0.009) ^b	(0.017±0.008) ^{ab}	(0.024±0.012) ^{bc}	(0.15±0.070) ^a	(0.241±0.128) ^a
Dalinette	(0.003±0.001) ^a	(0.10±0.05) ^{ab}	(0.04±0.02) ^{bc}	(0.02±0.01) ^{bcd}	(0.04±0.02) ^{abc}	(0.014±0.007) ^{bc}	(0.007±0.003) ^{bc}	(0.053±0.023) ^{ab}	(0.044±0.020) ^b	(0.186±0.090) ^{ab}
Effect test	p-value									
Variety	<0.0001*	<0.0001*	<0.0001*	0.0005*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*
Stage	0.4865	0.4620	0.2244	0.8886	0.4918	0.0619	0.0266*	0.0546	0.4471	0.2834
Variety×stage	<0.0001*	<0.0001*	0.0009*	0.0461*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	0.0011*

Results are presented as mean value±standard deviation (N=3). Mean values in the same column with different letters in superscript are statistically different (Tukey's HSD test, p<0.05). Effect tests of two-way ANOVA are shown for the main effects (variety and stage) and their interaction (variety×stage). Asterisk indicates a significant effect (p<0.05)