

Table S4: Profiles of organic acids content in flesh (g/100 g FW) and peel (g /100 g DW) during 2016, 2017 and 2019.

Flesh 2016	Citric			Malic			Succinic			Fumaric			Total		
Genotype	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.
Goldrich	1.496	0.040	cd	1.431	0.023	g	0.250	0.014	bcd	0.0029	3.962E-05	d	3.180	0.073	e
Canino	1.01	0.03	a	0.48	0.02	c	0.23	0.01	abc	0.0025	0.00008	bcd	1.73	0.07	a
Mitger	0.938	0.024	a	0.356	0.025	b	0.266	0.013	bcde	0.0026	1.428E-04	cd	1.562	0.056	a
Tadeo	1.287	0.002	b	0.526	0.005	c	0.540	0.029	f	0.0025	1.551E-05	cd	2.355	0.030	b
Dama Rosa	1.626	0.054	de	1.305	0.034	f	0.320	0.041	cde	0.0024	7.548E-05	bc	3.254	0.115	e
Dama Taronja	1.874	0.038	f	0.633	0.014	d	0.292	0.054	bcde	0.0020	1.637E-04	ab	2.801	0.089	cd
GG9310	1.731	0.064	ef	0.978	0.025	e	0.355	0.017	e	0.0034	2.186E-04	e	3.067	0.098	de
GG979	1.512	0.058	cd	0.475	0.024	c	0.248	0.005	abcd	0.0018	2.997E-04	a	2.236	0.084	b
GP9817	1.828	0.027	f	0.625	0.016	d	0.344	0.069	de	0.0035	1.599E-04	e	2.800	0.108	cd
HG9821	1.413	0.099	bc	1.019	0.083	e	0.256	0.036	bcde	0.0025	1.934E-04	cd	2.691	0.214	c
HG9850	1.065	0.032	a	0.363	0.017	b	0.187	0.009	ab	0.0020	5.038E-05	ab	1.617	0.057	a
HM964	1.434	0.033	bc	0.500	0.008	c	0.148	0.007	a	0.0022	1.365E-04	abc	2.084	0.034	b
SEOP934	1.890	0.066	f	1.05	0.004	a	0.342	0.018	de	0.0026	1.115E-04	cd	2.339	0.086	b
MAX	1.890			1.431			0.540			0.004			3.254		
MIN	0.938			0.105			0.148			0.002			1.562		

Peel 2016	Citric			Malic			Succinic			Fumaric			Total		
Genotype	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.
Goldrich	10.860	1.485	cd	8.449	0.342	b	1.058	0.016	ab	0.3365	0.032	b	20.705	1.781	b
Canino	9.58	1.04	bcd	5.48	2.28	ab	1.73	0.14	cde	0.2754	0.03	ab	17.07	3.30	b
Mitger	1.414	0.428	a	6.084	0.626	ab	1.883	0.201	efg	0.2546	0.015	a	9.636	1.255	a
Tadeo	2.013	0.118	a	5.123	0.059	ab	2.121	0.030	fg	0.2945	0.008	ab	9.551	0.193	a
Dama Rosa	7.391	0.194	b	6.973	0.146	ab	1.839	0.023	def	0.2783	0.009	ab	16.481	0.346	b
Dama Taronja	11.630	1.537	d	3.975	0.482	a	1.505	0.096	cd	0.2902	0.007	ab	17.401	2.105	b
GG9310	11.106	0.523	cd	5.703	0.342	ab	1.550	0.025	cde	0.2742	0.029	a	18.633	0.899	b
GG979	11.705	0.111	d	5.841	0.251	ab	1.433	0.039	bc	0.2625	0.024	a	19.242	0.383	b
GP9817	10.711	0.271	cd	5.228	1.118	ab	1.669	0.044	cde	0.2897	0.016	ab	17.898	1.368	b
HG9821	8.151	0.109	b	6.759	0.556	ab	1.623	0.004	cde	0.2585	0.011	a	16.792	0.657	b
HG9850	9.217	0.473	bc	4.177	0.298	a	1.741	0.083	cdef	0.2676	0.014	a	15.403	0.286	b
HM964	10.486	0.440	cd	5.750	0.156	ab	0.940	0.077	a	0.2893	0.021	ab	17.465	0.668	b
SEOP934	1.465	0.420	a	14.195	3.401	c	2.257	0.307	g	0.2590	0.013	a	18.177	4.019	b
MAX	11.705			14.195			2.257			0.336			20.705		
MIN	1.414			3.975			0.940			0.255			9.551		

Peel 2017	Citric			Malic			Succinic			Fumaric			Total		
Genotype	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.
Goldrich	17.225	1.273	cd	12.573	0.804	f	1.625	0.090	ab	0.2749	0.032	a	31.698	2.163	e
Canino	8.922	0.489	b	2.445	0.143	a	1.928	0.109	bc	0.2540	0.009	a	13.549	0.691	ab
Mitger	1.795	0.064	a	7.667	0.074	de	2.530	0.011	de	0.4158	0.018	bc	12.407	0.030	a
Tadeo	2.171	0.213	a	6.476	0.343	cde	2.402	0.065	d	0.2704	0.013	a	11.320	0.424	a
Dama Rosa	6.668	1.395	b	8.155	1.881	e	2.347	0.180	d	0.3435	0.098	abc	17.513	3.290	b
Dama Taronja	17.602	2.128	cde	4.966	0.358	abc	1.431	0.020	a	0.2712	0.011	a	24.270	2.376	cd
GG9310	20.549	1.208	e	6.086	0.234	bcde	2.220	0.181	cd	0.2748	0.010	a	29.129	1.632	de
GG979	19.537	0.666	de	6.223	0.059	bcde	1.916	0.021	bc	0.2747	0.029	a	27.951	0.659	de
GP9817	14.595	0.602	c	5.456	0.160	bcd	1.941	0.098	bc	0.2800	0.031	ab	22.273	0.885	c
HG9821	6.381	0.786	b	3.880	0.479	ab	1.394	0.143	a	0.4540	0.021	c	12.109	1.154	a
HG9850	7.710	0.643	b	2.469	0.033	a	1.846	0.129	bc	0.4518	0.018	c	12.477	0.688	a
HM964	18.233	0.056	de	6.784	0.143	cde	2.155	0.073	cd	0.2850	0.008	ab	27.457	0.154	cde
SEOP934	1.273	0.033	a	21.244	0.237	g	2.871	0.178	e	0.2648	0.008	a	25.652	0.182	cd
MAX	20.549			21.244			2.871			0.454			31.698		
MIN	1.273			2.445			1.394			0.254			11.320		

Peel 2019	Citric			Malic			Succinic			Fumaric			Total		
Genotype	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.
Goldrich	28.358	0.524	fg	13.394	0.262	g	0.814	0.031	a	0.000	0.000	a	42.566	0.805	g
Canino	12.930	3.091	bc	2.188	0.051	a	0.823	0.156	a	0.002	0.000	ab	15.944	2.890	b
Mitger	0.758	0.026	a	10.334	0.189	f	3.175	0.137	e	0.014	0.000	f	14.280	0.350	ab
Tadeo	3.233	0.059	a	6.193	0.054	c	1.332	0.025	b	0.006	0.001	bc	10.763	0.136	a
Dama Rosa	16.178	1.530	c	10.375	0.986	f	2.742	0.244	d	0.011	0.001	ef	29.306	2.760	d
Dama Taronja	30.924	0.687	gh	6.502	0.147	cd	1.190	0.065	b	0.033	0.002	h	38.649	0.881	fg
GG9310	33.047	0.411	h	6.268	0.085	c	2.646	0.035	d	0.005	0.000	bc	41.967	0.529	g
GG979	24.570	1.128	de	6.295	0.242	c	2.460	0.133	d	0.027	0.002	g	33.352	1.504	de
GP9817	26.035	0.741	def	7.509	0.183	de	1.743	0.053	c	0.007	0.000	cd	35.294	0.975	ef
HG9821	11.196	0.286	b	7.887	0.274	e	1.112	0.042	ab	0.005	0.001	bc	20.200	0.589	c
HG9850	23.822	0.795	d	4.881	0.177	b	1.282	0.029	b	0.006	0.001	bc	29.990	1.000	d
HM964	27.341	0.257	ef	6.639	0.065	cd	1.374	0.042	b	0.010	0.000	de	35.364	0.338	ef
SEOP934	2.684	0.044	a	26.402	0.346	h	3.535	0.033	f	0.054	0.000	i	32.675	0.396	de
MAX	33.047			26.402			3.535			0.054			42.566		
MIN	0.758			2.188			0.814			0.000			10.763		