

Table S6: Pomological traits measured during 2016, 2017 and 2019.

Genotype	Year	Harvest date	Weight (g)			Stone weight (g)			Height (mm)			Lateral Width (mm)			Ventral Width (mm)			Firmness (kgf/cm2)			Skin Color*	Over Color	Intensity Over Color*	Flesh Color*
			mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.	mean	sd	Sign.				
Goldrich	2016	22/Jun	56.25	3.19	c	13.03	0.91	a	46.79	3.20	bcd	46.06	1.27	bc	42.82	0.46	b	2.53	0.89	ef	M orange	orange red	L	D orange
Canino	2016	03/Jun	63.32	4.92	bc	17.54	1.52	bc	47.31	1.79	c	48.54	1.52	cd	44.43	1.79	c	3.65	0.97	f	yellow green	orange red	L	cream
Mitger	2016	03/Jun	50.64	6.29	c	18.72	1.57	bc	41.79	1.51	b	45.74	1.68	bc	47.46	2.11	de	2.49	0.75	ef	yellowish	pink	D	cream
Tadeo	2016	15/Jun	30.70	2.13	e	18.11	1.76	c	36.16	2.22	a	38.95	1.33	a	38.72	1.29	a	3.00	0.78	f	yellow green	orange red	M	L orange
Dama_Rosa	2016	06/Jun	51.92	7.09	cd	16.76	3.64	bc	42.21	2.82	b	47.72	2.31	bcd	42.73	2.32	bc	1.42	0.50	cde	yellow green	pink	D	L orange
Dama_Taronja	2016	10/Jun	93.40	21.31	a	20.06	8.19	abcde	55.83	4.53	d	53.78	5.01	cde	51.95	3.86	fg	2.88	0.96	ef	yellow green	orange red	L	D orange
GG9310	2016	06/Jun	62.00	6.85	bc	23.68	2.64	cde	44.75	2.84	c	47.75	1.83	bcd	46.71	4.15	def	0.45	0.10	a	yellow green	orange red	L	cream
GG979	2016	13/Jun	77.34	5.06	a	18.80	2.16	bc	46.61	2.39	c	52.48	1.92	e	51.21	1.41	g	1.11	0.89	bc	yellowish	pink	M	L orange
GP9817	2016	13/Jun	61.86	12.62	bc	18.15	3.10	bc	43.83	2.98	bc	50.41	4.16	de	46.92	3.78	cde	1.44	0.79	abcde	yellow green	red	M	L orange
HG9821	2016	08/Jun	73.62	12.94	a	27.36	7.76	e	45.69	4.99	bcd	50.86	6.59	de	48.41	2.80	e	1.26	0.52	d	yellow green	pink	M	cream
HG9850	2016	03/Jun	70.30	17.11	b	23.52	4.00	cde	46.45	4.28	bc	48.08	0.64	cd	48.05	1.11	ef	1.79	0.41	e	yellow green	pink	L	cream/L orange
HM964	2016	01/Jun	43.88	5.77	cd	NA	NA		36.34	1.86	a	43.66	2.27	b	43.29	2.22	bc	0.73	0.09	b	yellow green	orange red/red	L-M	cream/L orange
SEOP934	2016	08/Jun	51.11	2.89	cd	22.22	2.32	d	39.09	4.49	a	47.01	0.77	c	46.71	0.63	de	0.94	0.25	bc	L orange	pink	M	M orange
MAX 2016		22/Jun	93.40			27.36			55.83			53.78			51.95			3.65						
MIN 2016		01/Jun	30.70			13.03			36.16			38.95			38.72			0.45						
Kruskal-Wallis p-value			1.55E-06			4.45E-03			1.95E-05			6.81E-05			7.42E-06			1.07E-05						
Goldrich	2017	09/Jun	50.87	3.96	cd	14.80	2.21	abcd	47.35	1.76	e	43.86	1.47	ab	39.91	1.54	bc	3.55	1.53	abc	M orange	orange red	M	M orange
Canino	2017	31/May	35.77	6.19	bc	11.64	1.11	a	36.16	3.11	abc	37.27	6.10	a	34.47	2.27	ab	3.85	1.41	abc	L orange	pink	L	L orange
Mitger	2017	25/May	35.23	6.31	bc	15.13	1.92	bc	38.94	1.93	c	42.03	1.12	a	40.70	1.67	c	3.11	0.80	b	yellowish	purple	D	withish green
Tadeo	2017	09/Jun	23.20	2.52	a	20.86	6.41	abcde	33.93	1.57	ab	36.94	2.49	a	32.17	2.19	a	3.08	1.22	abc	yellowish	pink	D	cream
Dama_Rosa	2017	09/Jun	46.53	3.95	c	14.91	1.95	abc	40.93	0.90	cd	45.57	0.65	b	39.37	1.29	bc	2.04	0.37	b	yellow green	pink	D	cream
Dama_Taronja	2017	09/Jun	49.30	7.64	cd	10.51	2.92	abc	45.75	0.69	e	45.35	3.20	abc	41.29	1.30	abcd	0.59	0.09	a	D orange	orange red	M	D orange
GG9310	2017	09/Jun	38.87	9.48	abc	17.03	4.88	abcd	37.93	2.74	abcd	40.63	4.75	ab	35.53	0.89	a	0.97	0.27	a	yellowish	orange red	L	L orange
GG979	2017	09/Jun	44.87	5.62	cd	15.18	3.11	abcd	39.32	4.60	bcd	40.78	2.49	ab	38.55	1.44	abc	1.02	0.39	abc	L orange	pink	D	L orange
GP9817	2017	09/Jun	32.80	1.73	b	13.12	0.69	ab	35.96	1.05	bc	42.03	0.26	a	35.88	1.53	ab	3.27	1.61	abc	yellow green	pink	M	cream
HG9821	2017	25/Jun	83.40	1.27	e	27.35	0.07	e	NA	NA		NA	NA		NA	NA		NA	NA		L orange	pink	M	cream
HG9850	2017	25/Jun	48.83	5.09	cd	18.19	2.70	cd	41.60	1.19	d	45.09	1.39	b	41.74	2.01	c	6.80	1.49	c	yellowish	pink	M	cream
HM964	2017	02/Jun	33.43	2.30	b	14.39	0.99	b	33.37	0.60	a	41.47	1.28	a	39.63	1.89	bc	2.52	0.41	b	yellow green	pink	M	white
SEOP934	2017	02/Jun	56.50	3.32	d	20.20	1.43	d	40.24	1.57	cd	48.17	1.74	c	47.36	1.41	d	1.62	0.86	abc	yellowish	pink	M	L orange
MAX 2017		25/Jun	83.40			27.35			47.35			48.17			47.36			6.80						
MIN 2017		25/May	23.20			10.51			33.37			36.94			32.17			0.59						
Kruskal-Wallis p-value			1.73E-04			1.59E-03			6.29E-04			3.84E-03			6.93E-04			1.52E-03						
Goldrich	2019	19/Jun	77.95	14.67	cd	20.81	3.42	b	54.88	1.42	a	51.47	3.46	c	46.99	3.02	bc	2.06	1.56	bcd	M orange	red	M	M orange
Canino	2019	11/Jun	52.15	5.44	d	17.23	2.93	b	42.43	0.80	b	44.71	2.25	bc	42.69	1.58	b	0.47	0.09	a	M orange	red	D	M orange
Mitger	2019	11/Jun	64.85	12.30	cd	28.13	4.71	c	45.51	3.01	b	49.04	3.56	c	50.50	2.50	c	2.28	2.19	abcde	yellowish	purple	M	white
Tadeo	2019	19/Jun	41.75	8.77	abc	19.88	4.18	b	39.13	2.19	bc	43.40	2.46	a	41.92	3.71	ab	1.93	1.79	abcde	yellowish	pink	M-D	cream
Dama_Rosa	2019	05/Jun	32.25	5.77	ab	13.59	1.81	ab	36.50	2.51	cd	39.53	2.62	ab	36.39	2.67	a	1.48	0.32	cde	L orange	pink	D	L orange
Dama_Taronja	2019	05/Jun	84.05	10.35	d	13.15	1.01	ab	53.03	2.88	a	51.29	1.72	c	49.71	2.45	c	1.47	1.15	bcd	M orange	pink	D	D orange
GG9310	2019	29/May	45.30	5.56	bc	17.73	1.04	b	39.14	3.57	bc	44.36	1.30	bc	41.97	2.56	ab	1.89	0.34	d	L orange	orange red	L	L orange
GG979	2019	17/Jun	55.35	10.46	bc	18.45	3.49	b	43.42	2.06	b	45.78	2.84	bc	44.69	3.21	bc	0.74	0.51	abc	L orange	pink	M	L orange
GP9817	2019	11/Jun	40.05	2.90	b	14.49	1.38	ab	38.25	1.09	c	44.50	1.27	bc	40.80	1.58	ab	4.42	1.14	e	yellow green	orange red	M	cream
HG9821	2019	04/Jun	46.75	7.76	bc	21.17	3.75	b	41.06	2.83	bc	48.03	3.66	bc	41.78	1.87	b	0.78	0.05	b	yellow green	pink	D	L orange
HG9850	2019	23/May	59.55	6.56	c	20.12	1.18	b	43.42	2.28	b	47.68	2.09	c	45.17	2.94	bc	1.62	0.65	d	M orange	pink	D	M orange
HM964	2019	27/May	29.70	2.69	a	15.14	2.45	ab	32.94	1.09	d	38.09	2.48	a	37.67	1.21	a	2.46	0.81	de	L orange	orange red	M	cream
SEOP934	2019	03/Jun	31.33	2.67	a	12.58	1.58	a	32.00	1.25	d	38.85	1.37	a	38.89	1.21	ab	1.11	0.21	c	yellow green	pink	D	L orange
MAX 2019		19/Jun	84.05			28.13			54.88			51.47			50.50			4.42						
MIN 2019		23/May	29.70			12.58			32.00			38.09			36.39			0.47						
Kruskal-Wallis p-value			1.65E-05			1.13E-04			1.03E-05			5.91E-05			7.23E-05			2.62E-03						

* L: light; M: medium; D: dark