

**Table S1.** Changes in antioxidants activity (mg vit C-100 g<sup>-1</sup> F.W.), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Condition s	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		0.69 ± 0.11	0.76 ± 0.02	0.71 ± 0.06	0.63 ± 0.06	0.64 ± 0.06
	ULO	0.85 ± 0.05	0.76 ± 0.03	0.71 ± 0.02	0.69 ± 0.15	0.68 ± 0.02	0.55 ± 0.04
	CA		0.79 ± 0.10	0.64 ± 0.04	0.75 ± 0.04	0.75 ± 0.04	0.78 ± 0.02
	2018						
	DCA		1.01 ± 0.14	1.04 ± 0.07	1.06 ± 0.08	0.89 ± 0.07	0.90 ± 0.07
	ULO	1.15 ± 0.12	1.06 ± 0.05	1.08 ± 0.04	1.04 ± 0.19	0.98 ± 0.05	0.80 ± 0.05
	CA		1.18 ± 0.15	0.96 ± 0.07	1.13 ± 0.12	1.07 ± 0.05	1.11 ± 0.07
Ananasnaya	2017						
	DCA		0.76 ± 0.09	0.75 ± 0.03	0.71 ± 0.03	0.69 ± 0.03	0.63 ± 0.04
	ULO	0.80 ± 0.06	0.73 ± 0.07	0.62 ± 0.02	0.69 ± 0.15	0.60 ± 0.07	0.62 ± 0.04
	CA		0.85 ± 0.04	0.77 ± 0.02	0.83 ± 0.06	0.81 ± 0.02	0.83 ± 0.06
	2018						
	DCA		0.82 ± 0.09	0.82 ± 0.01	0.81 ± 0.03	0.82 ± 0.02	0.75 ± 0.01
	ULO	0.94 ± 0.07	0.80 ± 0.06	0.78 ± 0.04	0.76 ± 0.11	0.63 ± 0.02	0.71 ± 0.03
	CA		0.94 ± 0.05	0.87 ± 0.04	0.92 ± 0.08	0.92 ± 0.03	0.95 ± 0.04

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean ± standard deviation.

**Table S2.** Changes in ascorbic acid ( $\text{mg} \cdot 100 \text{ g}^{-1} \text{ F.W.}$ ), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Conditions	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		$57.1 \pm 6.61$	$59.4 \pm 0.51$	$58.6 \pm 1.46$	$53.3 \pm 0.72$	$50.6 \pm 0.72$
	ULO	$67.8 \pm 6.12$	$62.6 \pm 1.68$	$54.9 \pm 1.56$	$54.1 \pm 9.20$	$50.5 \pm 0.79$	$47.5 \pm 0.79$
	CA		$67.2 \pm 5.62$	$59.9 \pm 3.37$	$66.5 \pm 8.65$	$63.0 \pm 0.33$	$61.8 \pm 0.36$
	2018						
	DCA		$64.6 \pm 7.51$	$67.1 \pm 0.57$	$66.3 \pm 1.61$	$60.4 \pm 0.87$	$57.3 \pm 0.83$
	ULO	$70.1 \pm 2.95$	$70.9 \pm 1.87$	$62.1 \pm 1.79$	$61.2 \pm 10.4$	$57.2 \pm 0.95$	$53.7 \pm 0.90$
	CA		$76.0 \pm 6.37$	$67.9 \pm 3.80$	$75.3 \pm 9.77$	$71.3 \pm 0.38$	$69.9 \pm 0.41$
Ananasnaya	2017						
	DCA		$73.2 \pm 5.73$	$70.6 \pm 3.78$	$73.5 \pm 2.56$	$65.7 \pm 0.96$	$62.1 \pm 0.96$
	ULO	$85.3 \pm 8.06$	$70.0 \pm 4.22$	$65.9 \pm 1.59$	$66.3 \pm 11.0$	$58.9 \pm 1.24$	$54.3 \pm 1.24$
	CA		$84.4 \pm 4.53$	$81.2 \pm 5.61$	$84.4 \pm 14.1$	$82.8 \pm 0.17$	$82.2 \pm 0.15$
	2018						
	DCA		$59.9 \pm 9.61$	$61.6 \pm 0.97$	$59.1 \pm 2.92$	$60.0 \pm 2.52$	$57.8 \pm 3.02$
	ULO	$70.2 \pm 8.30$	$60.3 \pm 4.09$	$56.1 \pm 5.33$	$58.4 \pm 3.73$	$47.5 \pm 5.30$	$51.2 \pm 4.48$
	CA		$75.2 \pm 3.92$	$65.4 \pm 6.47$	$70.3 \pm 11.2$	$69.4 \pm 1.13$	$72.6 \pm 3.37$

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean  $\pm$  standard deviation.

**Table S3.** Changes in TPC (mg ·100 g<sup>-1</sup> F.W.), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Condition s	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		93.1 ± 1.67	85.3 ± 2.42	88.4 ± 9.46	87.4 ± 1.05	84.4 ± 1.35
	ULO	110.1 ± 7.42	92.1 ± 2.25	86.6 ± 5.91	94.7 ± 12.2	78.1 ± 1.48	72.2 ± 1.11
	CA		110.5 ± 6.85	109.0 ± 7.11	109.8 ± 16.8	110.3 ± 0.19	109.3 ± 0.56
	2018						
	DCA		107.3 ± 1.91	98.2 ± 2.73	101.8 ± 10.8	97.1 ± 1.36	92.5 ± 1.65
	ULO	120.1 ± 0.99	106.1 ± 2.77	99.5 ± 6.77	110.3 ± 15.73	93.5 ± 1.45	87.9 ± 1.14
	CA		127.3 ± 7.94	125.7 ± 8.16	126.5 ± 19.3	126.9 ± 0.24	125.9 ± 0.50
Ananasnaya	2017						
	DCA		82.3 ± 6.45	76.3 ± 2.97	78.31 ± 14.95	80.9 ± 6.22	75.5 ± 2.19
	ULO	101.9 ± 7.90	85.2 ± 2.10	82.5 ± 8.42	95.8 ± 19.1	70.7 ± 1.12	65.9 ± 0.99
	CA		105.9 ± 5.41	102.2 ± 7.29	105.7 ± 17.6	90.6 ± 0.31	90.2 ± 0.05
	2018						
	DCA		88.1 ± 5.50	82.1 ± 3.8	82.6 ± 16.1	80.3 ± 4.18	75.0 ± 0.66
	ULO	106.1 ± 7.98	90.8 ± 1.16	87.9 ± 8.70	101.9 ± 18.4	85.8 ± 2.40	78.3 ± 1.16
	CA		109.2 ± 9.37	109.5 ± 6.84	114.5 ± 17.9	102.4 ± 2.64	103.5 ± 2.74

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean ± standard deviation; TPC, total phenolic content.

**Table S4.** Changes in phenolic acids (mg ·100 g<sup>-1</sup> F.W.), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Conditions	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		2.02 ± 0.11	1.78 ± 0.09	1.89 ± 0.12	1.90 ± 0.05	1.70 ± 0.01
	ULO	2.32 ± 0.14	2.11 ± 0.12	1.90 ± 0.15	1.94 ± 0.22	1.78 ± 0.09	1.63 ± 0.06
	CA		2.28 ± 0.13	2.41 ± 0.13	2.33 ± 0.20	2.38 ± 0.08	2.30 ± 0.05
	2018						
	DCA		3.25 ± 0.17	2.68 ± 0.13	2.82 ± 0.30	2.59 ± 0.14	2.58 ± 0.08
	ULO	3.38 ± 0.21	3.34 ± 0.37	2.92 ± 0.33	3.11 ± 0.49	3.02 ± 0.12	2.65 ± 0.13
	CA		3.53 ± 0.34	3.70 ± 0.22	3.62 ± 0.38	3.78 ± 0.03	3.59 ± 0.15
Ananasnaya	2017						
	DCA		1.60 ± 0.12	1.29 ± 0.08	1.42 ± 0.13	1.42 ± 0.09	1.31 ± 0.03
	ULO	1.76 ± 0.05	1.71 ± 0.12	1.60 ± 0.10	1.65 ± 0.24	1.39 ± 0.08	1.21 ± 0.00
	CA		1.92 ± 0.16	1.89 ± 0.12	2.02 ± 0.25	1.90 ± 0.02	1.79 ± 0.04
	2018						
	DCA		1.75 ± 0.20	1.35 ± 0.04	1.46 ± 0.27	1.48 ± 0.30	1.33 ± 0.30
	ULO	1.59 ± 0.17	1.68 ± 0.27	1.57 ± 0.15	1.75 ± 0.08	1.67 ± 0.15	1.35 ± 0.12
	CA		1.74 ± 0.34	1.81 ± 0.15	2.10 ± 0.07	1.85 ± 0.23	2.00 ± 0.15

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean ± standard deviation.

**Table S5.** Changes in flavonols (mg ·100 g<sup>-1</sup> F.W.), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Condition s	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		1.63 ± 0.11	1.41 ± 0.07	1.51 ± 0.14	1.46 ± 0.10	1.49 ± 0.03
	ULO	1.66 ± 0.06	1.56 ± 0.15	1.42 ± 0.03	1.58 ± 0.16	1.46 ± 0.05	1.37 ± 0.13
	CA		1.75 ± 0.03	1.85 ± 0.05	1.81 ± 0.22	1.75 ± 0.08	1.76 ± 0.08
	2018						
	DCA		1.21 ± 0.08	1.10 ± 0.04	1.15 ± 0.08	1.09 ± 0.04	1.08 ± 0.02
	ULO	1.26 ± 0.03	1.20 ± 0.08	1.08 ± 0.02	1.18 ± 0.14	1.09 ± 0.03	1.03 ± 0.06
	CA		1.34 ± 0.05	1.35 ± 0.05	1.36 ± 0.17	1.32 ± 0.04	1.31 ± 0.03
	2017						
Ananasnaya	DCA		5.36 ± 0.47	4.88 ± 0.21	5.20 ± 0.77	4.85 ± 0.22	4.39 ± 0.01
	ULO	6.58 ± 0.55	5.82 ± 0.09	5.27 ± 0.43	6.20 ± 0.92	5.28 ± 0.09	5.20 ± 0.05
	CA		6.51 ± 0.40	6.27 ± 0.52	6.67 ± 1.08	6.40 ± 0.07	6.22 ± 0.18
	2018						
	DCA		5.32 ± 0.35	4.59 ± 0.25	5.20 ± 0.97	4.64 ± 0.28	4.32 ± 0.03
	ULO	6.73 ± 0.74	5.44 ± 0.11	5.10 ± 0.66	6.17 ± 0.94	5.29 ± 0.29	5.48 ± 0.16
	CA		6.37 ± 0.52	6.19 ± 0.72	6.49 ± 0.98	6.32 ± 0.12	6.18 ± 0.23

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean ± standard deviation.

**Table S6.** Changes in flavan-3-ols (mg ·100 g<sup>-1</sup> F.W.), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Conditions	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		0.42 ± 0.01	0.38 ± 0.03	0.42 ± 0.04	0.39 ± 0.01	0.38 ± 0.02
	ULO	0.50 ± 0.01	0.42 ± 0.03	0.39 ± 0.06	0.42 ± 0.05	0.38 ± 0.02	0.36 ± 0.02
	CA		0.47 ± 0.03	0.49 ± 0.05	0.47 ± 0.06	0.47 ± 0.03	0.49 ± 0.02
	2018						
	DCA		0.42 ± 0.02	0.39 ± 0.02	0.41 ± 0.05	0.38 ± 0.01	0.34 ± 0.03
	ULO	0.50 ± 0.01	0.41 ± 0.03	0.39 ± 0.05	0.43 ± 0.06	0.39 ± 0.01	0.37 ± 0.01
	CA		0.46 ± 0.03	0.50 ± 0.03	0.48 ± 0.06	0.50 ± 0.01	0.49 ± 0.00
Ananasnaya	2017						
	DCA		0.47 ± 0.02	0.43 ± 0.02	0.42 ± 0.06	0.43 ± 0.02	0.40 ± 0.03
	ULO	0.54 ± 0.03	0.48 ± 0.03	0.46 ± 0.05	0.52 ± 0.08	0.40 ± 0.01	0.39 ± 0.02
	CA		0.55 ± 0.03	0.54 ± 0.03	0.57 ± 0.08	0.49 ± 0.00	0.51 ± 0.01
	2018						
	DCA		0.56 ± 0.01	0.49 ± 0.04	0.52 ± 0.09	0.46 ± 0.02	0.40 ± 0.02
	ULO	0.62 ± 0.06	0.53 ± 0.05	0.50 ± 0.07	0.57 ± 0.12	0.49 ± 0.02	0.47 ± 0.03
	CA		0.61 ± 0.03	0.62 ± 0.01	0.66 ± 0.01	0.60 ± 0.03	0.62 ± 0.01

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean ± standard deviation.

**Table S7.** Changes in glucose ( $\text{g} \cdot 100 \text{ g}^{-1} \text{ F.W.}$ ), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Conditions	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		$2.66 \pm 0.10$	$3.04 \pm 0.02$	$3.63 \pm 0.00$	$3.47 \pm 0.01$	$3.25 \pm 0.03$
	ULO	$1.91 \pm 0.04$	$2.71 \pm 0.19$	$3.11 \pm 0.06$	$3.69 \pm 0.05$	$3.74 \pm 0.12$	$3.89 \pm 0.05$
	CA		$2.66 \pm 0.09$	$2.92 \pm 0.06$	$3.39 \pm 0.03$	$3.55 \pm 0.02$	$3.61 \pm 0.06$
	2018						
	DCA		$2.55 \pm 0.45$	$2.90 \pm 0.08$	$3.55 \pm 0.02$	$3.46 \pm 0.10$	$3.55 \pm 0.04$
	ULO	$2.02 \pm 0.08$	$2.86 \pm 0.16$	$3.28 \pm 0.04$	$3.74 \pm 0.02$	$3.61 \pm 0.02$	$3.55 \pm 0.05$
	CA		$2.50 \pm 0.10$	$2.75 \pm 0.12$	$3.36 \pm 0.08$	$3.46 \pm 0.05$	$3.67 \pm 0.07$
Ananasnaya	2017						
	DCA		$2.04 \pm 0.04$	$2.43 \pm 0.02$	$2.83 \pm 0.04$	$2.75 \pm 0.03$	$2.75 \pm 0.01$
	ULO	$1.55 \pm 0.04$	$2.35 \pm 0.08$	$2.67 \pm 0.04$	$2.74 \pm 0.04$	$2.69 \pm 0.03$	$2.49 \pm 0.02$
	CA		$2.11 \pm 0.05$	$2.37 \pm 0.03$	$2.85 \pm 0.05$	$3.01 \pm 0.01$	$3.08 \pm 0.01$
	2018						
	DCA		$1.86 \pm 0.08$	$2.26 \pm 0.02$	$2.72 \pm 0.02$	$2.69 \pm 0.02$	$2.83 \pm 0.05$
	ULO	$1.52 \pm 0.03$	$2.12 \pm 0.10$	$2.44 \pm 0.06$	$2.84 \pm 0.03$	$2.85 \pm 0.04$	$2.91 \pm 0.06$
	CA		$1.94 \pm 0.03$	$2.16 \pm 0.04$	$2.78 \pm 0.06$	$2.83 \pm 0.05$	$3.03 \pm 0.06$

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean  $\pm$  standard deviation.

**Table S8.** Changes in fructose ( $\text{g} \cdot 100 \text{ g}^{-1}$  F.W.), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Conditions	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA	2.30 ± 0.03	2.93 ± 0.15	3.12 ± 0.09	3.56 ± 0.07	3.59 ± 0.05	3.62 ± 0.06
	ULO		3.00 ± 0.07	3.39 ± 0.09	3.94 ± 0.09	3.95 ± 0.07	4.17 ± 0.06
	CA		2.87 ± 0.02	3.07 ± 0.02	3.51 ± 0.03	3.58 ± 0.04	3.70 ± 0.07
	2018						
	DCA	2.53 ± 0.04	3.21 ± 0.14	3.47 ± 0.09	4.03 ± 0.06	4.03 ± 0.07	4.09 ± 0.07
	ULO		3.32 ± 0.10	3.76 ± 0.09	4.40 ± 0.08	4.42 ± 0.09	4.65 ± 0.05
	CA		2.15 ± 0.03	3.39 ± 0.05	3.93 ± 0.03	4.02 ± 0.04	4.18 ± 0.07
Ananasnaya	2017						
	DCA	2.20 ± 0.07	2.89 ± 0.05	3.17 ± 0.05	3.63 ± 0.07	3.50 ± 0.06	3.43 ± 0.03
	ULO		3.17 ± 0.10	3.53 ± 0.03	3.53 ± 0.04	3.47 ± 0.03	3.17 ± 0.02
	CA		2.88 ± 0.05	3.13 ± 0.07	3.66 ± 0.06	3.94 ± 0.05	4.13 ± 0.06
	2018						
	DCA	1.98 ± 0.05	2.49 ± 0.07	2.72 ± 0.06	3.17 ± 0.10	3.16 ± 0.03	3.22 ± 0.04
	ULO		2.66 ± 0.06	2.98 ± 0.05	3.36 ± 0.05	3.31 ± 0.05	3.33 ± 0.06
	CA		2.46 ± 0.07	2.66 ± 0.08	3.22 ± 0.10	3.34 ± 0.05	3.55 ± 0.05

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean  $\pm$  standard deviation.

**Table S9.** Changes in sucrose ( $\text{g} \cdot 100 \text{ g}^{-1} \text{ F.W.}$ ), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Conditions	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		$7.02 \pm 0.36$	$6.50 \pm 0.20$	$7.48 \pm 0.18$	$7.17 \pm 0.24$	$7.16 \pm 0.35$
	ULO	$8.45 \pm 0.31$	$6.52 \pm 0.29$	$5.53 \pm 0.28$	$6.98 \pm 0.40$	$6.46 \pm 0.28$	$5.58 \pm 0.34$
	CA		$7.50 \pm 0.50$	$6.77 \pm 0.05$	$7.86 \pm 0.12$	$7.79 \pm 0.22$	$7.39 \pm 0.32$
	2018						
	DCA		$6.93 \pm 0.40$	$6.69 \pm 0.29$	$6.72 \pm 0.17$	$6.46 \pm 0.15$	$6.27 \pm 0.23$
	ULO	$8.00 \pm 0.32$	$6.72 \pm 0.15$	$6.14 \pm 0.21$	$6.37 \pm 0.21$	$5.90 \pm 0.09$	$5.55 \pm 0.15$
	CA		$7.34 \pm 0.34$	$6.79 \pm 0.09$	$7.04 \pm 0.15$	$6.86 \pm 0.22$	$6.52 \pm 0.25$
Ananasnaya	2017						
	DCA		$4.93 \pm 0.33$	$3.96 \pm 0.20$	$3.93 \pm 0.32$	$3.99 \pm 0.10$	$4.05 \pm 0.33$
	ULO	$6.67 \pm 0.03$	$4.11 \pm 0.23$	$3.60 \pm 0.38$	$3.50 \pm 0.30$	$3.25 \pm 0.13$	$2.70 \pm 0.30$
	CA		$5.45 \pm 0.30$	$4.46 \pm 0.16$	$5.42 \pm 0.40$	$4.86 \pm 0.05$	$4.44 \pm 0.33$
	2018						
	DCA		$5.57 \pm 0.18$	$4.89 \pm 0.10$	$4.70 \pm 0.19$	$4.46 \pm 0.09$	$4.37 \pm 0.20$
	ULO	$6.64 \pm 0.04$	$5.00 \pm 0.13$	$4.24 \pm 0.09$	$4.29 \pm 0.11$	$4.05 \pm 0.11$	$3.57 \pm 0.18$
	CA		$5.95 \pm 0.20$	$5.24 \pm 0.18$	$5.55 \pm 0.25$	$5.21 \pm 0.05$	$4.94 \pm 0.16$

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean  $\pm$  standard deviation.

**Table S10.** Changes in citric acid ( $\text{g} \cdot 100 \text{ g}^{-1} \text{ F.W.}$ ), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Condition s	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		$0.950 \pm 0.087$	$0.793 \pm 0.085$	$0.746 \pm 0.047$	$0.744 \pm 0.020$	$0.625 \pm 0.058$
	ULO	$1.145 \pm 0.09$	$0.819 \pm 0.093$	$0.794 \pm 0.082$	$0.770 \pm 0.052$	$0.589 \pm 0.071$	$0.628 \pm 0.086$
	CA		$0.885 \pm 0.048$	$0.786 \pm 0.104$	$0.855 \pm 0.020$	$0.849 \pm 0.037$	$0.727 \pm 0.057$
	2018						
	DCA		$0.731 \pm 0.016$	$0.695 \pm 0.014$	$0.659 \pm 0.016$	$0.606 \pm 0.004$	$0.525 \pm 0.021$
	ULO	$0.871 \pm 0.01$	$0.694 \pm 0.019$	$0.679 \pm 0.030$	$0.611 \pm 0.021$	$0.579 \pm 0.031$	$0.520 \pm 0.020$
	CA		$0.790 \pm 0.027$	$0.716 \pm 0.055$	$0.687 \pm 0.015$	$0.661 \pm 0.023$	$0.648 \pm 0.017$
Ananasnaya	2017						
	DCA		$0.668 \pm 0.004$	$0.572 \pm 0.017$	$0.551 \pm 0.030$	$0.542 \pm 0.041$	$0.486 \pm 0.015$
	ULO	$0.739 \pm 0.02$	$0.590 \pm 0.046$	$0.556 \pm 0.018$	$0.503 \pm 0.015$	$0.443 \pm 0.007$	$0.334 \pm 0.035$
	CA		$0.676 \pm 0.028$	$0.659 \pm 0.044$	$0.613 \pm 0.035$	$0.580 \pm 0.053$	$0.550 \pm 0.008$
	2018						
	DCA		$0.734 \pm 0.012$	$0.672 \pm 0.026$	$0.692 \pm 0.059$	$0.637 \pm 0.072$	$0.537 \pm 0.024$
	ULO	$0.884 \pm 0.06$	$0.713 \pm 0.017$	$0.677 \pm 0.049$	$0.568 \pm 0.039$	$0.476 \pm 0.004$	$0.421 \pm 0.066$
	CA		$0.781 \pm 0.046$	$0.794 \pm 0.074$	$0.717 \pm 0.050$	$0.729 \pm 0.053$	$0.688 \pm 0.009$

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean  $\pm$  standard deviation.

**Table S11.** Changes in malic acid ( $\text{g} \cdot 100 \text{ g}^{-1}$  F.W.), measured in ‘Geneva’ and ‘Ananasnaya’ minikiwi fruit.

Cultivars	Storage Condition s	Period of Storage (Weeks)					
		0	4	6	8	10	12
Geneva	2017						
	DCA		$0.124 \pm 0.018$	$0.113 \pm 0.004$	$0.108 \pm 0.011$	$0.093 \pm 0.004$	$0.083 \pm 0.012$
	ULO	$0.150 \pm 0.01$	$0.108 \pm 0.003$	$0.113 \pm 0.018$	$0.108 \pm 0.002$	$0.088 \pm 0.011$	$0.081 \pm 0.007$
	CA		$0.127 \pm 0.005$	$0.130 \pm 0.019$	$0.118 \pm 0.006$	$0.122 \pm 0.008$	$0.107 \pm 0.010$
	2018						
	DCA		$0.117 \pm 0.010$	$0.115 \pm 0.002$	$0.109 \pm 0.006$	$0.097 \pm 0.016$	$0.077 \pm 0.007$
	ULO	$0.131 \pm 0.01$	$0.103 \pm 0.008$	$0.103 \pm 0.005$	$0.102 \pm 0.006$	$0.082 \pm 0.014$	$0.059 \pm 0.005$
	CA		$0.120 \pm 0.013$	$0.124 \pm 0.006$	$0.110 \pm 0.009$	$0.109 \pm 0.014$	$0.104 \pm 0.013$
Ananasnaya	2017						
	DCA		$0.188 \pm 0.023$	$0.180 \pm 0.018$	$0.140 \pm 0.013$	$0.169 \pm 0.017$	$0.140 \pm 0.009$
	ULO	$0.220 \pm 0.020$	$0.188 \pm 0.017$	$0.150 \pm 0.013$	$0.137 \pm 0.028$	$0.134 \pm 0.016$	$0.105 \pm 0.009$
	CA		$0.238 \pm 0.012$	$0.260 \pm 0.005$	$0.174 \pm 0.006$	$0.201 \pm 0.018$	$0.183 \pm 0.027$
	2018						
	DCA		$0.117 \pm 0.003$	$0.104 \pm 0.006$	$0.083 \pm 0.003$	$0.081 \pm 0.008$	$0.075 \pm 0.007$
	ULO	$0.127 \pm 0.01$	$0.103 \pm 0.008$	$0.085 \pm 0.006$	$0.072 \pm 0.004$	$0.060 \pm 0.003$	$0.056 \pm 0.009$
	CA		$0.125 \pm 0.006$	$0.132 \pm 0.006$	$0.097 \pm 0.004$	$0.097 \pm 0.006$	$0.096 \pm 0.008$

DCA, dynamic controlled atmosphere, 0.4% CO<sub>2</sub>:0.4% O<sub>2</sub>; ULO, ultra-low oxygen, 1.5% CO<sub>2</sub>:1.5% O<sub>2</sub>; CA, controlled atmosphere, 5% CO<sub>2</sub>:1.5% O<sub>2</sub>; data are presented as mean  $\pm$  standard deviation.