

1 **Supplementary material**

2 **Table S1.** Fatty acids composition (%) of the tested basil cultivars in relation to salinity level (mean±SD, *n* = 3).

	Dark Opal Red			Red Basil			Rosso		
	Control	S1	S2	Control	S1	S2	Control	S1	S2
C12:0	0.067±0.001	0.057±0.002	0.030±0.001	0.122±0.001	0.144±0.003	0.109±0.009	0.140±0.005	0.184±0.001	0.143±0.001
C13:0	3.35±0.01	3.82±0.07	2.22±0.07	2.75±0.01	3.53±0.01	3.37±0.05	2.94±0.01	0.91±0.06	0.540±0.008
C14:0	0.326±0.003	0.34±0.02	0.261±0.006	0.348±0.008	0.450±0.005	0.399±0.002	0.271±0.004	0.444±0.003	0.342±0.001
C15:0	0.300±0.004	0.32±0.01	0.249±0.003	0.354±0.005	0.426±0.003	0.359±0.006	0.282±0.004	0.254±0.001	0.249±0.006
C15:1	0.25±0.01	0.441±0.004	0.73±0.03	0.928±0.004	0.84±0.01	1.03±0.01	0.94±0.02	0.860±0.008	0.848±0.007
C16:0	21.17±0.01	21.8±0.4	20.9±0.2	19.6±0.1	22.85±0.01	22.07±0.33	19.84±0.01	30.16±0.06	29.86±0.01
C16:1	3.92±0.01	3.1±0.2	3.6±0.1	2.63±0.01	2.88±0.01	2.88±0.03	3.02±0.01	0.89±0.06	0.654±0.007
C17:0	1.45±0.05	1.40±0.02	1.62±0.07	1.62±0.01	1.85±0.03	1.76±0.07	1.71±0.04	0.34±0.01	0.346±0.001
C18:0	4.33±0.01	4.0±0.1	3.27±0.02	3.55±0.03	4.12±0.01	3.93±0.04	4.04±0.01	3.58±0.06	3.53±0.01
C18:1n9c	3.06±0.04	3.32±0.03	2.78±0.05	3.28±0.02	3.97±0.05	3.75±0.03	3.37±0.01	3.44±0.01	3.93±0.01
C18:2n6c	14.94±0.02	18.29±0.02	18.72±0.03	14.4±0.3	15.3±0.1	16.3±0.3	12.6±0.1	10.3±0.1	10.67±0.04
C18:3n3	42.14±0.05	40.5±0.3	44.0±0.1	49.2±0.1	42.2±0.1	42.4±0.1	49.2±0.1	47.3±0.1	47.59±0.06
C20:2	0.829±0.004	0.54±0.01	0.472±0.004	0.436±0.001	0.51±0.01	0.704±0.003	0.756±0.001	0.448±0.008	0.423±0.004
C23:0	2.66±0.01	1.06±0.09	0.57±0.01	0.313±0.001	0.447±0.008	0.404±0.001	0.396±0.001	0.63±0.02	0.66±0.02
C24:0	1.23±0.03	1.02±0.04	0.58±0.02	0.439±0.006	0.495±0.008	0.511±0.009	0.46±0.02	0.230±0.007	0.247±0.008
SFA	33.65±0.05	32.8±0.5	29.1±0.2	28.7±0.2	33.8±0.1	32.4±0.4	29.6±0.1	36.5±0.1	35.7±0.1
MUFA	8.46±0.01	7.8±0.3	7.7±0.1	7.3±0.1	8.2±0.1	8.2±0.1	7.8±0.1	5.4±0.1	5.7±0.1
PUFA	57.91±0.06	59.3±0.3	63.2±0.1	64.1±0.2	58.0±0.1	59.4±0.4	62.6±0.1	58.1±0.1	58.7±0.1

3 C12:0–lauric acid; C13:0–tridecanoic acid; C14:0–myristic acid; C15:0–pentadecanoic acid; C15:1–pentadecenoic acid; C16:0–palmitic acid; C16:1–palmitoleic acid; C17:0–  
4 heptadecanoic acid; C18:0–stearic acid; C18:1n9c–oleic acid; C18:2n6c–linoleic acid; C18:3n3–alpha-linolenic acid; C20:2–eicosadienoic acid; C23:0–tricosanoic acid;  
5 C24:0–lignoceric acid; SFA–saturated fatty acids; MUFA–monounsaturated fatty acids; PUFA–polyunsaturated fatty acids

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