

Supplementary Table S2: Tukey's HSD post hoc differences in the content of carotenoids. *P<0.05; **P<0.01; ***P<0.001

	Sample(s)		hsd post hoc
Lutein	Healthy Leaf	TSSM-fed leaf	-39.391***
		TSSMs	n.a.
	TSSM-fed leaf	TSSMs	n.a.
Putative xanthophyll	Healthy Leaf	TSSM-fed leaf	1.752
		TSSMs	-3.509***
	TSSM-fed leaf	TSSMs	-5.261***
15- <i>cis</i> - β -carotene	Healthy Leaf	TSSM-fed leaf	0.714*
		TSSMs	-19.766***
	TSSM-fed leaf	TSSMs	-20.48***
13- <i>cis</i> - β -carotene	Healthy Leaf	TSSM-fed leaf	1.975**
		TSSMs	-39.415***
	TSSM-fed leaf	TSSMs	-41.39***
<i>trans</i> - α -carotene	Healthy Leaf	TSSM-fed leaf	4.909***
		TSSMs	-4.356***
	TSSM-fed leaf	TSSMs	-9.265***
<i>cis</i> - α -carotene	Healthy Leaf	TSSM-fed leaf	-6.814***
		TSSMs	-8.531***
	TSSM-fed leaf	TSSMs	-1.717***
<i>trans</i> - β -carotene	Healthy Leaf	TSSM-fed leaf	-2.214**
		TSSMs	-9.475***
	TSSM-fed leaf	TSSMs	-10.21***
9- <i>cis</i> - β -carotene	Healthy Leaf	TSSM-fed leaf	-21.22**
		TSSMs	n.a.
	TSSM-fed leaf	TSSMs	n.a.
γ -carotene	Healthy Leaf	TSSM-fed leaf	2.541**
		TSSMs	-4.512***
	TSSM-fed leaf	TSSMs	-6.311***
TCrC	Healthy Leaf	TSSM-fed leaf	37.921**
		TSSMs	-640.392***
	TSSM-fed leaf	TSSMs	-678.313***

n.a. "not applicable" due to lack of the compound in the sample; TCrC, total carotenoid content