

**Table S1.** Pearson Correlation matrix between biochemical parameters of pods resulting from green beans grown in four distinct substrates, irrigated at 100% and 50% of WFC.

Variables	Chl a	Chl b	Total Chl	Chl (a/b)	Total Carot.	Total (Chl/Carot.)	Phenolics	Ortho-diphenols	Flavonoids	AC-DPPH	AC-ABTS	Proteins
Chl a	1											
Chl b	<b>0.456*</b>	1										
Total Chl	<b>0.916**</b>	<b>0.776**</b>	1									
Chl (a/b)	<b>0.885**</b>	-0.008	<b>0.624**</b>	1								
Total Carot.	-0.031	-0.040	-0.040	-0.017	1							
Total (Chl/Carot.)	0.241	0.271	0.294	0.138	<b>-0.930**</b>	1						
Phenolics	-0.100	0.224	0.030	-0.234	0.015	0.113	1					
Ortho-diphenols	0.044	<b>0.425*</b>	0.223	-0.168	<b>0.411*</b>	-0.255	<b>0.577**</b>	1				
Flavonoids	-0.231	0.183	-0.082	-0.333	<b>0.420*</b>	-0.278	<b>0.427*</b>	<b>0.714**</b>	1			
AC-DPPH	-0.212	0.214	-0.053	-0.319	0.367	-0.241	<b>0.426*</b>	<b>0.582**</b>	<b>0.732**</b>	1		
AC-ABTS	-0.234	-0.216	-0.263	-0.155	<b>0.805**</b>	<b>-0.895**</b>	-0.191	0.155	0.146	0.249	1	
Proteins	0.200	<b>0.532**</b>	0.382	-0.057	0.336	-0.176	<b>0.549**</b>	<b>0.835**</b>	<b>0.566**</b>	<b>0.582**</b>	0.144	1

\*. The correlation is significant at the 0.05 level (2 ends).

\*\*. The correlation is significant at the 0.01 level (2 ends).

Bold values indicate very strong and strong correlations between variables. Abbreviations: Chl a – chlorophyll *a*, Chl b – chlorophyll *b*, Chl (a/b) – chlorophyll (*a/b*) ratio, Total Chl – total chlorophyll (*a+b*), Total Carot. – total carotenoids, Total (Chl/Carot.) – total (Chl/Carot.) ratio, AC-ABTS – antioxidant activity by ABTS method, AC-DHHP – antioxidant activity by DPPH method.