

Table 1S Correlation coefficients (R) from the polyphenols concentration, antioxidant contents/activities, degree of discoloration (ΔE) and browning index (BI)

	CHLO	CIN	GA	tFER	EGlu	QRut	RH ₂ O	NID	TP	TF	TC	AA	FRAP	ARA	ΔE	BI
CHLO	1															
CIN	0.66	1														
GA	0.94	0.87	1													
tFER	0.8	0.43	0.72	1												
EGlu	0.92	0.88	0.99	0.74	1											
QRut	0.93	0.87	0.99	0.7	0.98	1										
RH ₂ O	0.89	0.64	0.87	0.95	0.89	0.84	1									
NID.	-0.89	-0.63	-0.87	-0.95	-0.87	-0.87	-0.96	1								
TP	0.91	0.9	0.99	0.67	0.98	1	0.83	-0.85	1							
TF	0.92	0.9	0.99	0.72	0.99	1	0.86	-0.88	1	1						
TC	0.78	0.92	0.91	0.55	0.89	0.94	0.7	-0.78	0.95	0.95	1					
AA	0.76	0.69	0.81	0.85	0.8	0.83	0.87	-0.95	0.82	0.85	0.84	1				
FRAP	0.84	0.9	0.95	0.62	0.93	0.97	0.77	-0.83	0.98	0.97	0.99	0.86	1			
ARA	0.92	0.89	0.99	0.68	0.99	0.98	0.85	-0.82	0.98	0.98	0.88	0.75	0.92	1		
ΔE	-0.54	-0.58	-0.62	-0.81	-0.69	-0.57	-0.82	0.74	-0.57	-0.63	-0.48	-0.72	-0.52	-0.62	1	
BI	-0.87	-0.6	-0.84	-0.96	-0.85	-0.82	-0.95	0.96	-0.79	-0.83	-0.69	-0.88	-0.75	-0.81	0.83	1

CHLO: Chlorogenic acid; CIN: Cinnamic acid; GA: Galic acid; tFER: Trans-ferulic acid; EGlu: Eriodictyol-7-O-glucoside; QRut: Quercetin 3-O-rutinoside; RH₂O: Rutin hydrate form. TP; Total polyphenols; TF: Total Flavonoids; TC: Total Carotenoids ; AA: ascorbic acid; ARA: Antiradical activity; FRAP: Ferric Reducing Antioxidant Power