

Figure S1: Biplot representation of the linear relation between predicted vs measured TPC in the 18 Box-Behnken design sample extracts.

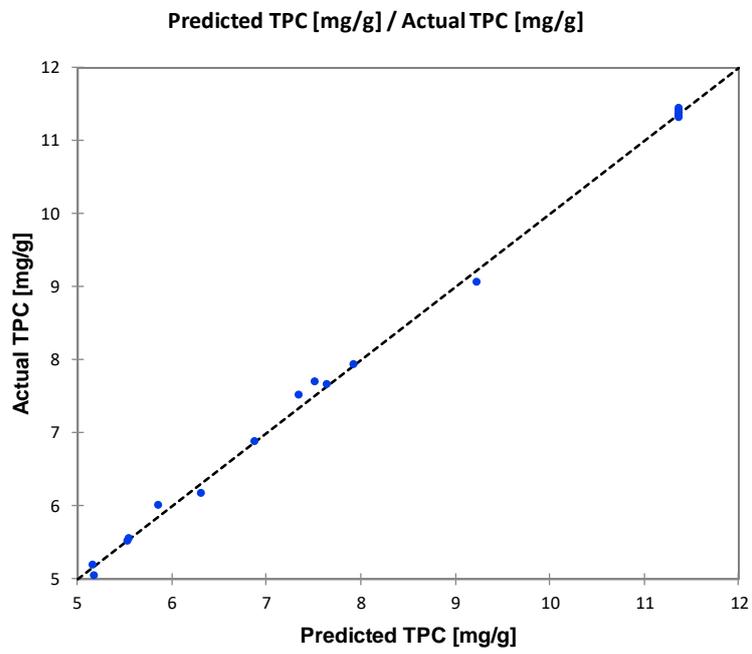
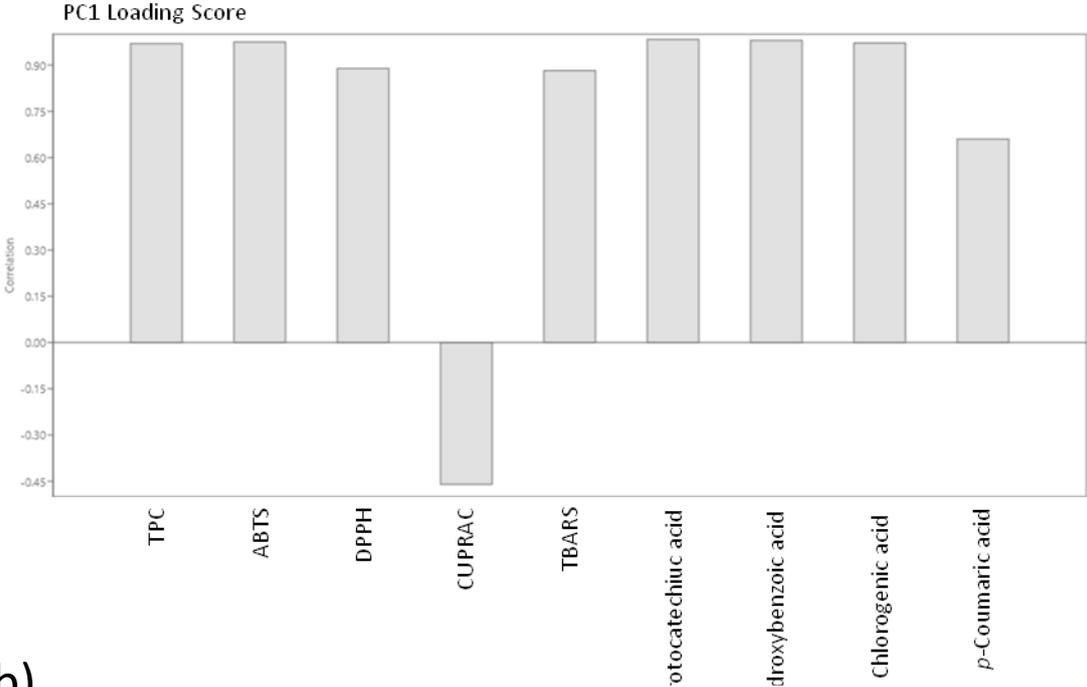


Figure S2: Loading scores of the first (a) and second (b) axis of the principal component analysis.

(a)



(b)

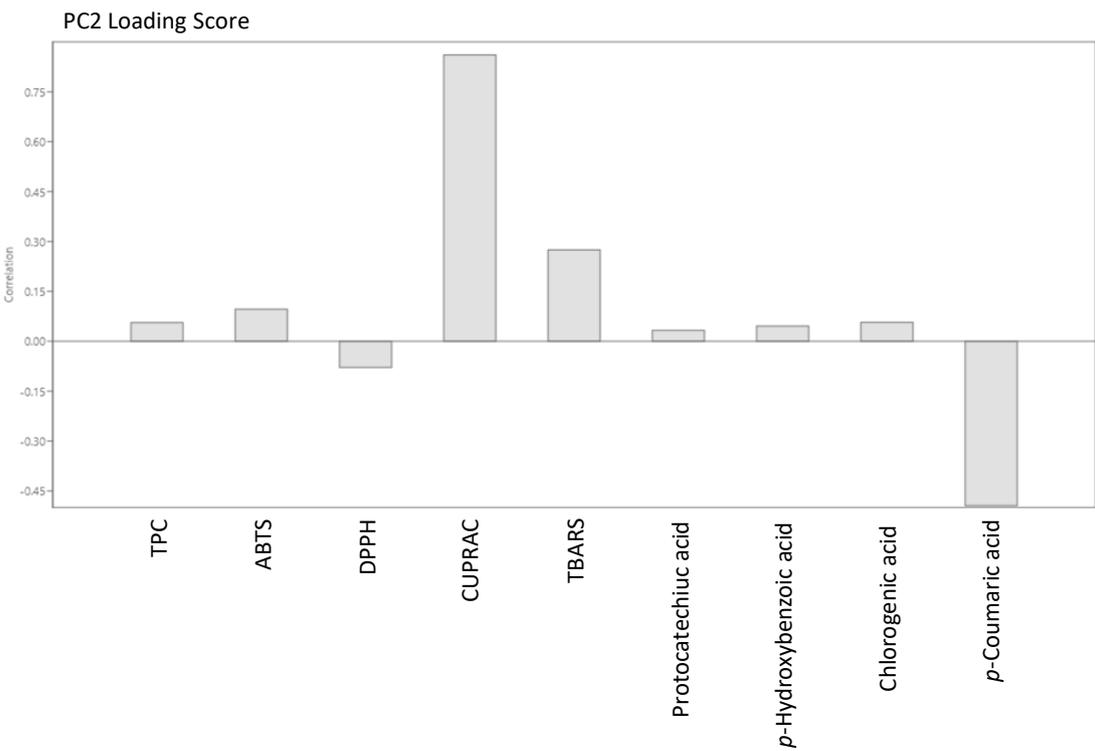


Table S1: Actual values for PCC (Pearson Correlation Coefficient) showing the relation between the different phytochemicals and antioxidant assays.

	ABTS	DPPH	CUPRAC	TBARS
TPC	0.910 ^{***} (<i><0.001</i>)	0.843 ^{**} (<i>0.004</i>)	-0.386 (<i>0.304</i>)	0.807 ^{**} (<i>0.009</i>)
Protocatechuic acid	0.932 ^{***} (<i><0.001</i>)	0.848 ^{**} (<i>0.004</i>)	-0.428 (<i>0.250</i>)	0.846 ^{**} (<i>0.004</i>)
<i>p</i>-Hydroxybenzoic acid	0.925 ^{***} (<i><0.001</i>)	0.838 ^{**} (<i>0.005</i>)	-0.396 (<i>0.292</i>)	0.82598 ^{**} (<i>0.005</i>)
Chlorogenic acid	0.911 ^{***} (<i><0.001</i>)	0.829 ^{**} (<i>0.006</i>)	-0.377 (<i>0.317</i>)	0.807 ^{**} (<i>0.009</i>)
<i>p</i>-Coumaric acid	0.592 (<i>0.093</i>)	0.683 [*] (<i>0.043</i>)	-0.615 (<i>0.078</i>)	0.409 (<i>0.274</i>)

*** significant $p < 0.001$; ** significant $p < 0.01$; * significant $p < 0.05$