Correlation of polyphenol content and antioxidant capacity of selected teas and tisanes from Brazilian market

SUPPLEMENTARY MATERIAL

Table S1: Classification, coding, source and composition information for the various teas and tisanes purchased from Brazilian market

Code	Manufacturer	Batch	Expiration date
S0101	A	LL 901	16/10/19
S0301	A	LK 893	04/04/18
S0401	A	LK 886	25/09/19
S0501	A	LJ 929	21/11/19
S0601	A	LJ 888	28/03/18
S0701	A	LB 928	20/05/20
S1102	B	L165 T01	07/09/19
S1202	B	L236 TB	15/02/20
S1302	B	L298103T01	17/04/20
C0202	B	L37T02	31/07/19
C0802	B	L006T03	30/06/19
C1002	B	L194TC	04/01/20
C1401	A	LI786	03/04/19
D0903	C	37996	07/20

Product origin: A – Paraná, Brazil; B – Bielefeld, Germany; C – São Paulo, Brazil.

Table S2: Summary of results of the Response Surface Methodology analysis in the evaluation of the effects of phytochemicals contents in the antioxidant capacity of various teas and tisanes purchased from Brazilian market

Factor	AOA (% discoloration)	*EI* (μA/mV)
Intercept	+48.01*	+31.13*
TP	+37.81*	+41.52*
TP^2	+4.53	-6.07
TF	-36.40	-20.13*
TF^2	+62.58	-1.54
TP x TF	-94.24	-28.83
R^2	0.55*	0.92*

*Factor effect is significant at $p < 0.05$; AOA, antioxidant activity in terms of DPPH radical scavenging capacity; *EI*, electrochemical index calculated from differential pulse voltammetry data; R^2, determination coefficient for the prediction regression model; TP, total polyphenols content (tannic acid equivalent); TF, total flavonoids content (rutin equivalent); Positive (+) and negative signs (−) indicate directly and inversely proportional effect, respectively.