

**Supplementary Table S1.** Regression equation, linear range, correlation coefficient ( $R^2$ ), limit of detection (LOD), and limit of quantification (LOQ) of the HPLC analysis of the phenolic compounds quantified in the experimental biscuits.

	Regression equation	Linear range (mg/mL)	$R^2$	LOD ( $\mu\text{g/mL}$ )	LOQ ( $\mu\text{g/mL}$ )
Vanillic acid	$y = 83450x - 163.97$	0.005 – 0.5	0.9997	0.277	0.832
Syringic acid	$y = 58126x + 7.647$	0.005 – 0.5	1	0.413	1.239
<i>p</i> -Coumaric acid	$y = 83450x + 163.97$	0.005 – 0.5	0.9999	0.485	1.456
Ferulic acid	$y = 65426x + 16.861$	0.005 – 0.5	1	0.286	0.858
Sinapic acid	$y = 77219x - 95.354$	0.005 – 0.5	0.9994	0.307	0.920
<i>p</i> -Hydroxybenzoic acid	$y = 104370x + 24.846$	0.005 – 0.5	0.9964	0.225	0.676
Protocatechuic acid	$y = 59729x + 64.792$	0.005 – 0.5	0.9997	0.406	1.217
(+)-Catechin	$y = 8357x + 28.623$	0.005 – 0.5	0.9998	0.384	1.152
(-)-Epicatechin	$y = 12384x - 24.444$	0.005 – 0.5	0.9999	0.259	0.778