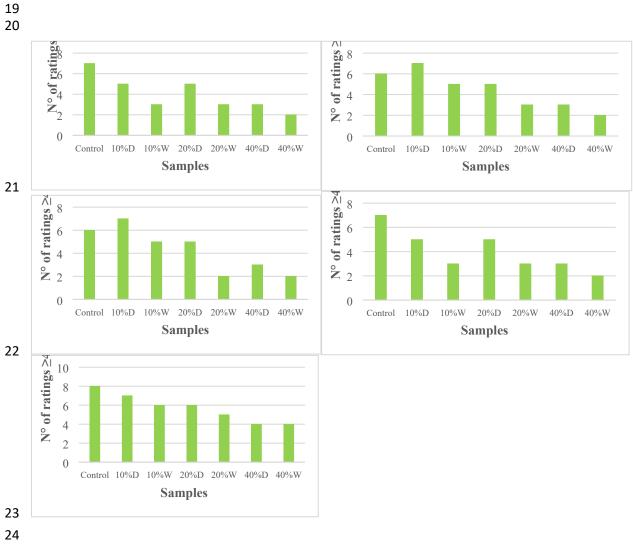
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## OSM tables and figures

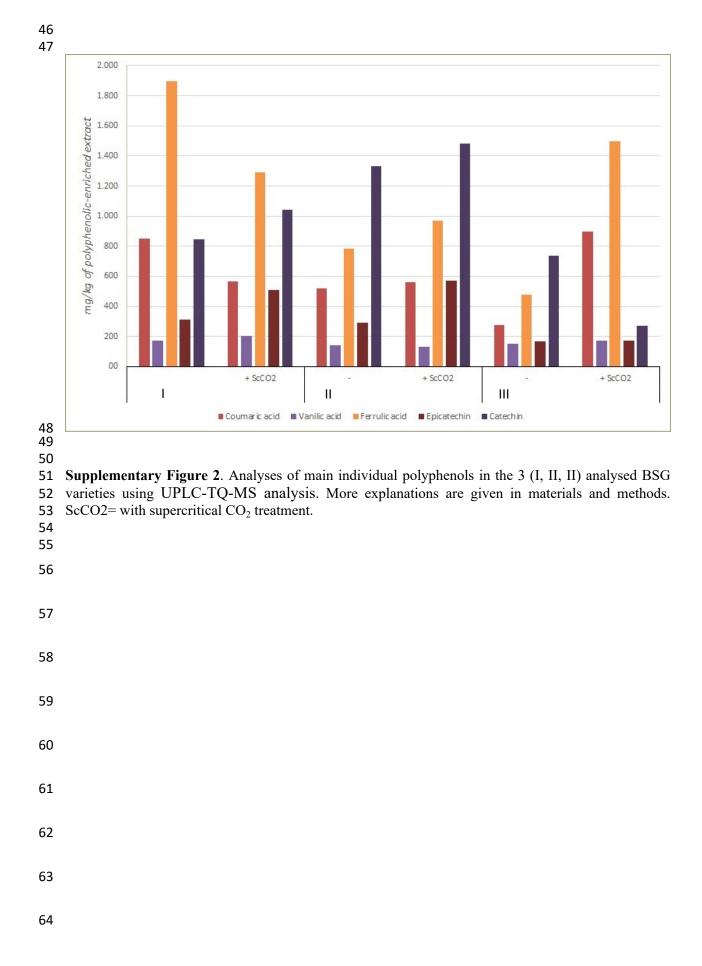
- 4 Supplementary Table 1. Pairwise correlations of investigated parameters before and after simulated
- 5 gastro-intestinal digestion, showing Pearson correlation coefficients.

	Before digestion				After digestion					
	Total Phenolics	Total Flavonoids	Total ABTS	Total FRAP	Total Phenolics	Total Flavonoids	Total ABTS	Total FRAP	Dietary Fiber	
Total Phenolics	1				1					
Total Flavonoids	0.788*	1			0.647*	1				
Total ABTS	0.777*	0.680*	1		0.746*	0.688*	1			
Total FRAP	0.885*	0.769*	0.894*	1	0.830*	0.721*	0.724*	1		
Dietary Fiber	n.a	n.a.	n.a.	n.a.	0.570*	0.742*	0.772*	0.741*		1

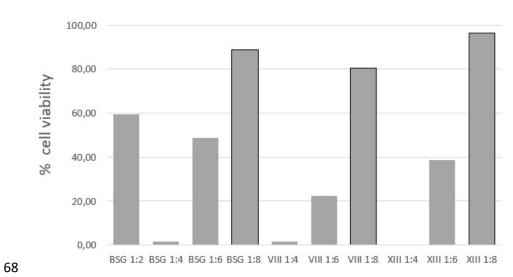
7 \*correlation is significant at the 0.05 level (2-tailed)\*, 0.01\*\* and 0.001\* level.



Supplementary Figure 1. Home-baked bread samples were subject to a limited sensory evaluation (n = 10) based on a self-administered questionnaire. The evaluation addressed the characteristics of the home-baked samples, namely Tasting (A), Texture (B), Visual Appearance (C), Smell (D) and Commercial Acceptance (E) with a Likert scale question for each characteristic from 1 being very bad to 5 being very good. The evaluation of each sample was recorded separately for each participant. The results are reported as the frequency of each individual sample of the home-baked bread receiving either a good or very good evaluation (4 or 5 on the Likert scale, respectively) from the participants. It should be noted that only 7 samples, 10% D, 20% D, 40% D, 10% W, 20% W, 40% W and 0% BSG control bread were included in the survey as bread samples with higher BSG concentrations crumbled, fragmented and were difficult to handle by the participants.







70 Supplementary Figure 3. Dilution tests for the determination of the appropriate dilution factor
71 according to cell viability, expressed in % compared to media exposed cells. Samples tested were BSG
72 II, bread VIII (10% BSG content) and bread XIII (100% BSG content). N=2 per sample.

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