

Table S1. Composition of freeze-dried partially purified FOPS and digested FOPS from corn bran and wheat bran.^a

Component	Corn bran		Wheat bran	
	Partially purified FOPS	Digested FOPS	Partially purified FOPS	Digested FOPS
Total carbohydrate (%)	63.2±0.5	66.1±0.9*	57.0±1.1 [†]	61.0±1.1* [†]
FOPS (%)	48.6±0.5	68.0±0.9*	29.7±1.1 [†]	57.1±0.8* [†]
Arabinan (%)	7.38±0.20	10.7±0.2*	6.40±0.20 [†]	10.3±0.8*
Xylan (%)	31.8±0.5	44.4±0.8*	16.1±0.5 [†]	36.4±2.0* [†]
Mannan (%)	0.16±0.18	0.34±0.03	0.13±0.08	0.41±0.03*
Galactan (%)	3.12±0.9	5.50±0.31*	1.03±0.11 [†]	1.49±0.49 [†]
Glucan (%)	4.40±0.56	4.29±0.24	5.88±0.73	8.22±1.85 [†]
Esterified ferulate (%)	1.76±0.06	2.68±0.24*	0.16±0.03 [†]	0.221±0.003* [†]
Free monosaccharides (%)	0.83±0.15	0.84±0.09	0.34±0.11	3.28±0.77* [†]
Arabinose (%)	0.33±0.07	0.54±0.03*	0.11±0.10	1.70±0.18* [†]
Xylose (%)	0.19±0.03	trace*	0.08±0.06 [†]	trace*
Mannose (%)	0.13±0.03	trace*	0.13±0.04	trace*
Galactose (%)	0.17±0.09	0.02±0.01*	0.015±0.01 [†]	trace
Glucose (%)	0.02±0.00	0.29±0.03	trace	1.57±1.02* [†]
Starch (%)	15.5±0.4	ND*	27.1±5.8 [†]	0.64±0.04* [†]
Free ferulic acid (%)	ND	ND	ND	ND
Protein (%)	4.21±0.18	2.37±0.31*	4.87±0.27	3.27±0.62* [†]
Furfural (%)	ND	ND	ND	ND
HMF (%)	ND	ND	ND	ND
Antioxidant activity				
ATBS (μmol Trolox/g)	27.9±2.1	36.6±2.6*	7.17±0.30 [†]	14.1±2.1* [†]
DPPH (μmol Trolox/g)	70.7±5.3	83.3±0.9*	31.6±1.8 [†]	27.1±5.1 [†]

^aValues are reported as mean (dry basis) ± SD (n=2); feruloylated oligo- and polysaccharides (FOPS) is the sum of arabinan, xylan, mannan, galactan, glucan, and esterified ferulate; hydroxymethylfurfural (HMF) ; ND = not detected.;*significantly different from partially purified FOPS of the same bran type; [†]significantly different from the corresponding FOPS sample made from corn bran (p<0.05).