

Table S1. Composition of the intervention diets.

Diet name Ingredients <i>g/kg dry matter</i>	Control	WGP
		1%
Carbohydrates		
Cornstarch	452.9	418.6
Dextrinized cornstarch	151.3	174.8
Sucrose	97.3	97.3
Protein		
Casein	140.0	139.5
Fat		
Soybean oil	38.6	35.7
Fibers		
Cellulose	47.5	38.0
yWGP	0.0	12.7
Others		
Mineral mix ^[1]	35.0	35.0
Vitamin mix ^[1]	10.0	10.0
Choline bitartrate	2.5	2.5
<i>Tert</i> -butylhydroquinone	0.008	0.008

The control diet is AIN-93M without the antioxidant L-cysteine added. yWGP (yeast-derived whole β -glucan particle) was added to the AIN-93M diet (with a correction for fiber purity; 75%) at the expense of cellulose. To be isocaloric to the control diet, the fiber diet needed to be adjusted in added carbohydrates and protein. Since sucrose might influence intestinal transit, it was kept equal for all diets.

Table S2. Physicochemical composition of yWGP.

Preparation	Relative Solubility (%)	Monosaccharides (mol%)							Total saccharide content (w/w%)	Protein content (%)	LPS (EU/mg)
		Rha	Ara	Xyl	Man	Gal	Glc	Uronic acid			
yWGP	< 13	0	1	0	0	0	96	3	64	16	N.D.

Rha, rhamnose; *ara*, arabinose; *xyl*, xylose; *man*, mannose; *gal*, galactose; *glc*, glucose; *LPS*, lipopolysaccharide; *N.D.*, not detectable. The physicochemical composition data of yWGP is derived from ¹⁵.