

Supplementary Material

Table S1. General parameters and growth promoting indicators.

Food animal	Characteristics	Observation ^a
Broiler [59-63]	Colonisation of <i>Campylobacter jejuni</i> and <i>Salmonella enteritidis</i> in the GIT	-
	Weight gain	+
	Bone characteristics, intestinal morphology	+
	Immune response	+
	Lysozyme and T lymphocytes	+
	Production of phytases, lipases, amylases and proteases (stimulate the GIT to secrete digestive enzymes)	+
	Vitamins, exopolysaccharides and antioxidants	+
	Pro-inflammatory and anti-inflammatory reactions	+/-
	Regulate pathogen numbers in the GIT	+/-
	Plasma metabolites of blood	-
	Triglyceride, total cholesterol, high-density lipoprotein (HDL), or low-density lipoprotein (LDL)	+
	LDL:HDL ratio	-
	Feed conversion ratio (g feed/g gain)	-
	Average daily gain (ADG)	+
	Feed conversion rate (FCR)	+
Swine [64-67]	Faecal microbial count: <i>Lactobacilli</i> and <i>Enterobacteriaceae</i> cell counts	+
	Histological analysis: Small intestinal tissues (duodenum, jejunum, and ileum), villous height (VH), crypt depth (CD)	+
	Carcass quality	+

^a“+” indicates improvement, enhancement, increase; “-” indicates reduction, negative, decrease