

Supplementary Materials: Effects of Fermented Soybean Meal Supplementation on the Growth Performance and Cecal Microbiota Community of Broiler Chickens

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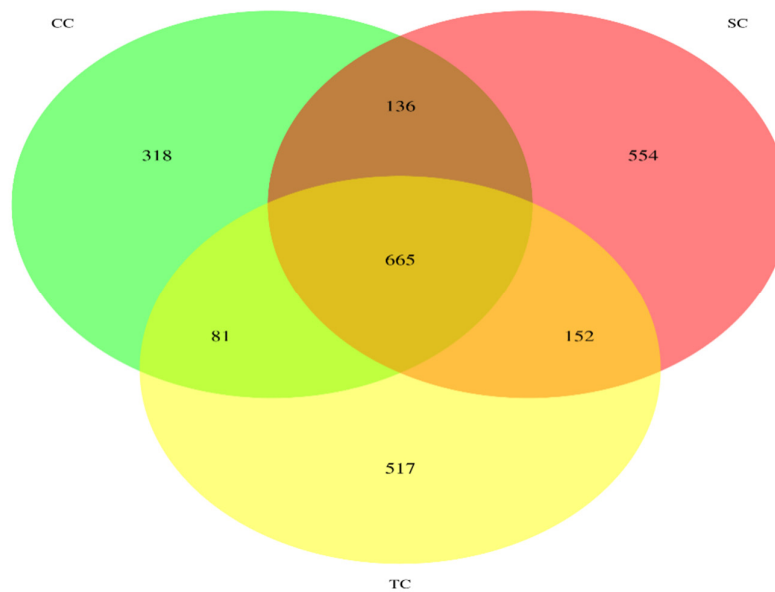


Figure S1. Venn diagram of feature tables in the cecal microbiota of broilers in different groups. CC, control group; SC, 25% of soybean meal (SBM) replaced with fermented SBM (FSBM); TC, 50% of soybean meal (SBM) replaced with fermented SBM (FSBM).

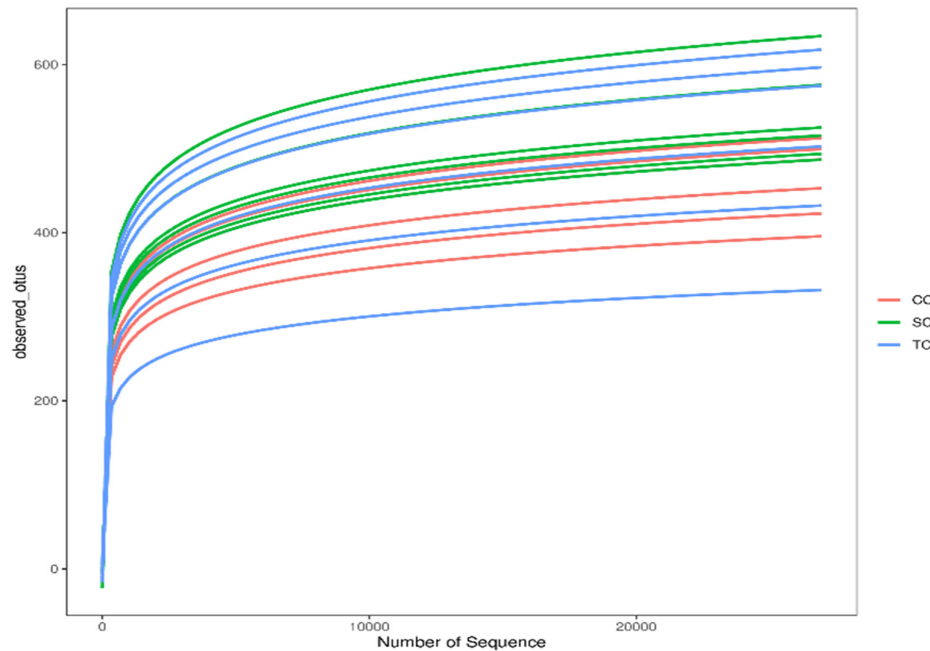


Figure S2. Rarefaction curve of the microbial species. CC, control group; SC, 25% of soybean meal (SBM) replaced with fermented SBM (FSBM); TC, 50% of soybean meal (SBM) replaced with fermented SBM (FSBM).

Table S1. Relative abundance of the top fifteen dominant genera in the cecal microbiota of broilers in different groups.

Items	Relative Abundance, %				SEM	p-Value
	CC	SC	TC			
<i>Faecalibacterium</i>	18.11	17.9	21.88	1.64	0.59	
<i>Lachnospiraceae</i>	5.52 ^b	7.58 ^a	6.22 ^{ab}	0.36	0.04	
<i>Ruminococcaceae_UCG-005</i>	5.38	6.25	6.94	0.78	0.74	
<i>Ruminococcaceae_UCG-014</i>	4.25	4.47	6.92	0.61	0.23	
<i>Ruminococcus_torques_group</i>	4.95 ^b	6.88 ^a	2.11 ^c	0.69	<0.01	
<i>Clostridiales_vadinBB60_group</i>	4.02	4.64	4.77	0.48	0.81	
<i>Escherichia-Shigella</i>	6.86 ^a	2.99 ^b	1.82 ^b	0.85	0.03	
<i>Ruminococcaceae</i>	3.7	3.74	4.54	0.26	0.36	
<i>Ruminiclostridium_9</i>	2.91	3.63	3.48	0.22	0.38	
<i>Alistipes</i>	3.59	3.17	2.97	0.32	0.76	
<i>Firmicutes_unclassified</i>	2.68	2.53	3.24	0.21	0.34	
<i>Intestinimonas</i>	3.06	2.25	2.96	0.39	0.69	
<i>Clostridiales</i>	2.74 ^a	1.80 ^b	1.46 ^b	0.26	0.02	
<i>Erysipelatoclostridium</i>	1.69	2.27	1.15	0.22	0.36	
<i>Latobacillus</i>	0.89 ^c	2.09 ^a	1.35 ^b	0.20	0.04	

^{a,b,c} Different superscript letters within a row indicate significant difference at $p < 0.05$. CC, control group; SC, 25% of soybean meal (SBM) replaced with fermented SBM (FSBM); TC, 50% of soybean meal (SBM) replaced with fermented SBM (FSBM).



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