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Animal Production Science

Supplementary Material

Cold stress changes the composition and function of microbiota in the content and mucosa of the ileum and colon in piglets

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Supplementary Table S1:Guaranteed value of product composition analysis

Guaranteed value of product composition analysis	unit：%
crude protein	≥18
crude fiber	≤8
crude ash	≤8
calcium	0.4-1.1
total phosphorus	0.3-1.1
sodium chloride	0.2-0.8
lysine	≥1
moisture content	≤14.0

Supplementary table S1: Ingredients in this feed product.

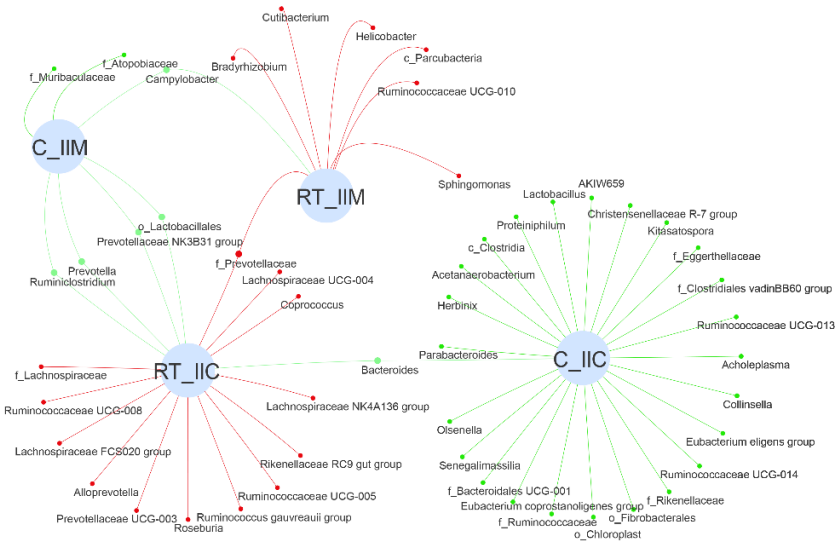
Raw material composition

corn、soybean meal、fish meal、calcium monophosphate、mineral meal、microelement、vitamin、sodium chloride、L-lysine monohydrochloride、soybean oil、ethoxyquin(antioxidant)、propionic acid、ammonium propionate(Fungicide)etc

Supplementary Table S2 : Directions for use

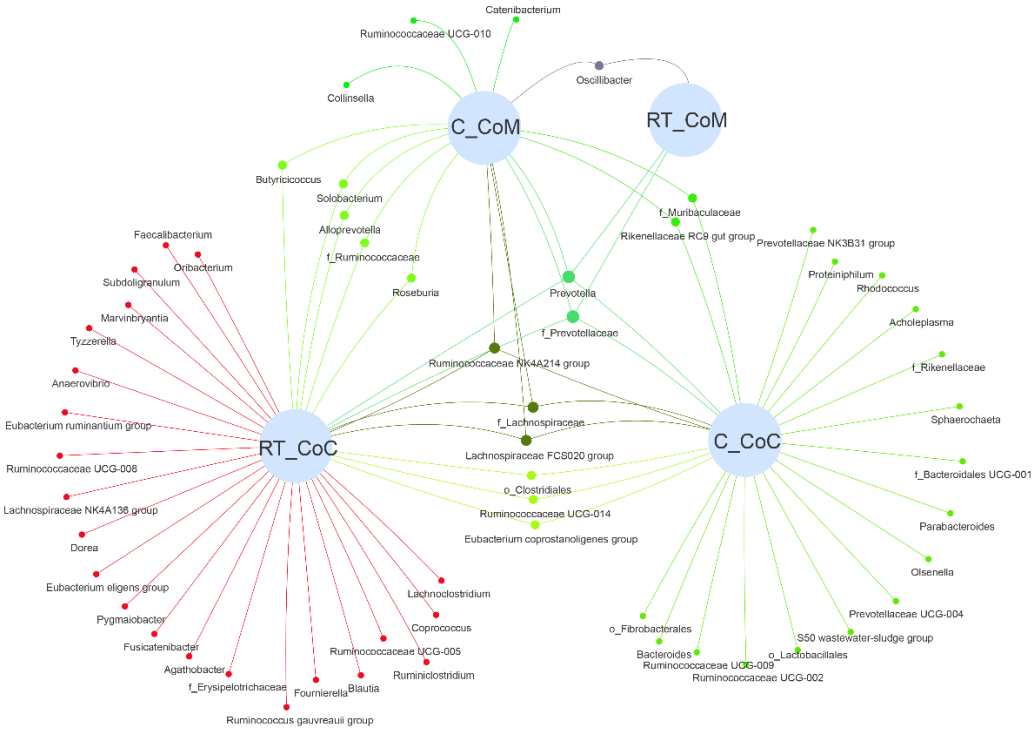
trade name	product name	description of feeding stage
312	formula feed for piglets312	For 20kg-25kg lean piglets.

Supplementary table S2: Trade name, product name and target audience of the feed product.



Supplementary Figure S1: Networks of ileum flora action

Network of relationships of flora between ileal mucosa of group C, ileal contents of group C, ileal mucosa of group RT, and ileal contents of group RT. Lines are connected to indicate commonality. C-cold stress, RT-room temperature.



Supplementary Figure S2: Networks of colon flora action

Network of relationships of flora between group C colonic mucosa, group C colonic contents, group RT colonic mucosa, and group RT colonic contents. Line segments are connected to indicate commonality. C-cold stress, RT-room temperature.