

Supplementary material

Table S1. Ingredients composition analysis of the royal jelly (Raydel®)

Product Name/Description	Fresh Royal jelly
Country	Shanghai, China
Manufacturer	Wuxi Long life Healthcare food
Ingredient	100% fresh royal jelly
Excipient	None
Ingredients of Royal jelly	Determined Amount (%)
Total amount on the label	100
Moisture	65.94
Protein	14.15
Total carbohydrate	11.58
Fat	5.23
10-hydroxydecanoic acid (10-HAD)	1.64
Minerals	0.77
Undetermined	1
Sodium (mg/100g)	96
Energy (Kcal/100g)	162
Coliform Group bacteria (CFU/g)	<10
Total bacteria count (CFU/g)	<10
Chloramphenicol	Not detected
Nitrofurans	Not detected