Table S1. ANOSIM analysis between EGCG treated groups and the control group[1)]

Comparison	Permutations	R	*P*-value
A vs B	200	0.0593	0.2687
A vs C	200	0.0611	0.2438
A vs D	200	0.4648	0.0199
A vs E	200	0.470	0.0050
A vs F	200	0.6000	0.0149

[1)] A the control group; B 200mg/kg EGCG treated group; C 400mg/kg EGCG treated group; D 600mg/kg EGCG treated group; E 800mg/kg EGCG treated group; F 1000mg/kg EGCG treated group.

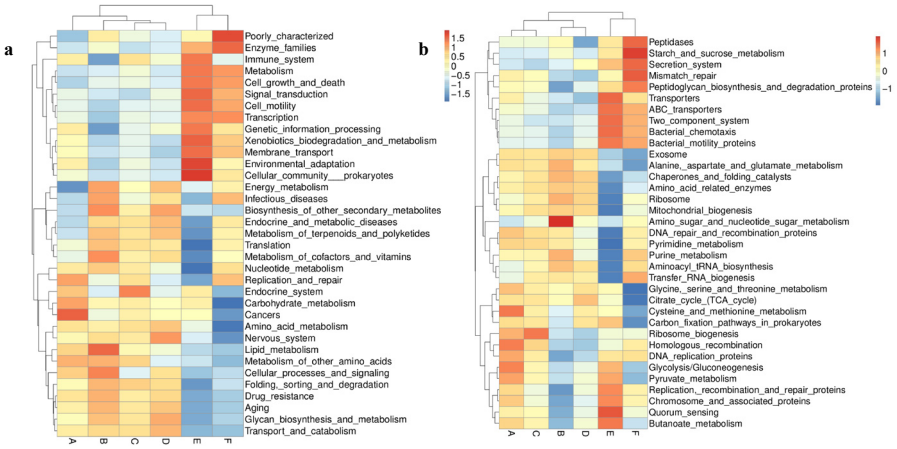


Figure S1. The heatmap of predicted function of microbiota in rabbits fed with different dosage of EGCG based on KEGG level 2 (**a**) and level 3(**b**). A the control group; B 200mg/kg EGCG treated group; C 400mg/kg EGCG treated group; D 600mg/kg EGCG treated group; E 800mg/kg EGCG treated group; F 1000mg/kg EGCG treated group.