



Supplementary Figure 2: Top 10 enriched gene ontology terms for the genes significantly correlated with *Ruminococcus 1* (A) and *Bacteroidales RF16* group (B) in Angus; *Erysipelotrichaceae UCG-004* (C), *Oribacterium* (D), *Prevotellaceae UCG-001* (E), *Clostridiales Family XIID* (F), and *Clostridiales vadinBB60* (G) in Charolais; and *Christensenellaceae R-* group (H), *Ruminococcus 1* (I), *Papillibacter* (J), *Ruminococcus gausvareuii* group (K), and *Prevotellaceae UCG-001* (L) in Kinsella.